Received 10/31/2011
Complaint 200323492 and
Project 2104

ALS Environmental

Metals

Case Narrative

Colorado Oil & Gas Conservation Commission

Complaint 200323492

Work Order Number: 1110046

1. This report consists of 2 water samples for total recoverable or dissolved metals.

2. The samples were received cool and intact by ALS on 10/05/11.

3. The sample for dissolved metals was filtered through a 0.45 micron filter and preserved with nitric acid to a pH less than two prior to analysis. The sample for total recoverable metals had a pH less than two upon receipt.

4. The samples were prepared and analyzed based on Methods for the Determination of Metals in Environmental Samples – Supplement 1 procedures.

   Prior to analysis by Trace ICP, an ionization buffer was added to the samples and associated QC to improve the sodium and potassium quantitation.

   For analysis by Trace ICP and ICP-MS, the samples were digested following method 200.2 and SOP 806 Rev. 15.

5. Analysis by Trace ICP followed method 200.7 and SOP 807 Rev. 12.

   Analysis by ICP-MS followed method 200.8 and SOP 827 Rev. 7.

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 filter (method) blank and laboratory control samples were filtered, preserved, and digested at the same time as the samples.
- The preparation (method) blank associated with this digestion batch was below the reporting limits for the requested analytes.
- All laboratory control sample criteria were met.
- All initial and continuing calibration blanks were below the practical quantitation limits for the requested analytes.
- All initial and continuing calibration verifications were within the acceptance criteria for the requested analytes.
- The interference check samples associated with Method 200.7 were within acceptance criteria.
- The interference check samples associated with Method 200.8 were analyzed, and the high standard readbacks were within acceptance criteria.

9. Matrix specific quality control procedures.

   Per method requirements, matrix QC was performed for each analysis. Since a sample from this order number was not the selected quality control (QC) sample, matrix specific QC results are not included in this report.

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

11. Sodium Adsorption Ration (SAR) was determined by calculation based on a reference from the client. Calcium, magnesium, and sodium concentrations were determined by ICP, Method 200.7.

    $SAR = Na/(((Ca+Mg)/2)^{1/2})$

    The analyte results are the me/L concentrations based on conversions from their mg/L concentrations. Please note that the SAR value is unitless.

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

Emily Knødel
Inorganics Primary Data Reviewer

10-27-11
Date

Inorganics Final Data Reviewer

10/27/11
Date

Inorganic Data Reporting Qualifiers

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

- Result qualifier -- A “B” is entered if the reported value was obtained from a reading that was less than the Practical Quantitation Limit but greater than or equal to the Method Detection Limit (MDL). If the analyte was analyzed for but not detected a “U” is entered. For samples, negative values are reported as non-detects (“U” flagged). For blanks, if the absolute value of the negative value is above the MDL and below the practical quantitation limit, then the result is “B” flagged.

- 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 ICP 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.

Chain of Custody

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1110046
Client Name: Colorado Oil & Gas Conservation Commission
Client Project Name: Complaint 200323492
Client Project Number:
Client PO Number: PHA 12-10

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
705323 Dahl	1110046-1		WATER	04-Oct-11	12:31
705323 Dahl	1110046-2		WATER	04-Oct-11	12:31

ALS Laboratory Group

225 Commerce Drive, Fort Collins, Colorado 80524
TF 800-443-1511 PH (970) 490-1511 Fx (970) 490-1522

Chain-of-Custody

Form 202r8

WORKORDER #	1110046
PAGE	1 of 1
DISPOSAL	(By Lab) or Return to Client

PROJECT NAME	Complaint [illegible]	SAMPLER	PK = Gintautas
PROJECT No.		SITE ID	
		EDD FORMAT	
		PURCHASE ORDER	
COMPANY NAME	Colo Oil & Gas Cons Comm	BILL TO COMPANY	
SEND REPORT TO	Peter Gintautas	INVOICE ATTN TO	
ADDRESS	PO Box 166	ADDRESS	
CITY / STATE / ZIP	Trinidad CO 81082	CITY / STATE / ZIP	
PHONE	719-846-3091	PHONE	
FAX		FAX	
E-MAIL	peter.gintautas@state.co.us	E-MAIL	

DATE: 4/6/2011 TURNAROUND: 7 Day

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	[illegible] TICs	TR Metals ICP	TR Metals ICP/MS	TOC	Sulfide	[illegible] PAH	Dissolved Gases	Dissolved ICP	Dissolved ICP/MS	Anions	Alk, [illegible]	TDS + TSS	pH	Cond	SAR calc	Cation Anion Balance	[illegible]
1	705323 Dahl	W	4/6/2011	12:29	3	1		X		(2)														
↓	↓	↓	↓	12:31	1	2			X	X														
				↓	1	3					X													
					1	4+Zn Ac						X												
					7	8							X	X	X	X	X	X	X	X	X	X	X	

Regular ICP metals + P, S
Regular ICP/MS + Cerium, Lanthanum, Neodymium, Praseodymium, Thorium, Yttrium
"TSS" bottle = entire digest to be filtered on GYE [illegible] with weight of any sediment [illegible]

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

For metals or anions, please detail analytes below.

Comments: Anions = Br, Cl, F, NO3, NO2, SO4
Dissolved = filter and preserve upon receipt

QC PACKAGE (check below)	
	LEVEL I (Standard QC)
	LEVEL II (Std QC + forms)
X	LEVEL IV (Std QC + forms + raw data) w/ paper

Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	[signature]	Peter Gintautas	4/6/2011	16:45
RECEIVED BY	[signature]	Lauren Schmitz	10/5/11	1020
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

CONDITION OF SAMPLE UPON RECEIPT FORM

Client: COGCC Workorder No: 1110046

Project Manager: ARW Initials: LAS Date: 10/5/11

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

Cooler #: 1

Temperature (°C): 5.2

No. of custody seals on cooler: 1

DOT Survey/ Acceptance Information

External µR/hr reading: 13

Background µR/hr reading: 12

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

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

If applicable, was the client contacted? YES / NO / (NA) Contact: _____ Date/Time: _____

Project Manager Signature / Date: [signature] 10/7/11

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

Form 201r22.xls (6/1/09)

1110046

PETER GINTAUTAS
719-846-3091
COLORADO OIL & GAS CONSERVATIO
213 CORUNDUM RD
TRINIDAD CO 81082

40 LBS

2 OF 2

DWT: 25,13

1020

SHIP TO:
AMY WOLF
970-490-1511
ALS LABORATORY GROUP
225 COMMERCE DRIVE
FORT COLLINS CO 80524-2762

CO 805 0-01

UPS NEXT DAY AIR

TRACKING #: 1Z 014 8WR 01 9337 6560

1

5.2°

BILLING: P/P

Reference#1: EPA frac Study

501

UIS 13.6.08 WNJE90 18.0A 07/2011

FOLD HERE

Sample Results

Dissolved Metals by 200.7

Method EPA200.7 Revision 4.4

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Field ID: 705323 Dahl
Lab ID: 1110046-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-11
Date Extracted: 13-Oct-11
Date Analyzed: 14-Oct-11
Prep Method: EPA200.2 Rev 2.8

Prep Batch: IP111013-7
QCBatchID: IP111013-7-1
Run ID: IT111014-2A2
Cleanup: NONE
Basis: As Received
File Name: 111014A.

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7440-41-7	BERYLLIUM	1	0.00044	0.002	0.00044	U	
7440-42-8	BORON	1	0.0089	0.1	0.0043	B	
7440-70-2	CALCIUM	1	4	1	0.14		
7440-47-3	CHROMIUM	1	0.0022	0.01	0.0022	U	
7439-89-6	IRON	1	0.029	0.1	0.029	U	
7439-93-2	LITHIUM	1	0.0035	0.01	0.0014	B	
7439-95-4	MAGNESIUM	1	0.22	1	0.12	B	
7440-02-0	NICKEL	1	0.0022	0.02	0.0022	U	
7723-14-0	PHOSPHORUS	1	0.044	0.2	0.044	U	
7440-09-7	POTASSIUM	1	1.3	1	0.4		
7440-21-3	SILICON	1	4.8	0.05	0.0086		
7440-23-5	SODIUM	1	120	1	0.47		
	SODIUM ADSORPTION RATIO	1	15	0.17	0.22		
7704-34-9	SULFUR	1	19	0.2	0.03		
7440-62-2	VANADIUM	1	0.0015	0.01	0.0015	U	

Data Package ID: *IT1110046-1*

Total Recoverable Metals by 200.7

Method EPA200.7 Revision 4.4

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Field ID: 705323 Dahl
Lab ID: 1110046-2

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-11
Date Extracted: 13-Oct-11
Date Analyzed: 14-Oct-11
Prep Method: EPA200.2 Rev 2.8

Prep Batch: IP111013-7
QCBatchID: IP111013-7-1
Run ID: IT111014-2A2
Cleanup: NONE
Basis: As Received
File Name: 111014A.

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7440-41-7	BERYLLIUM	1	0.00044	0.002	0.00044	U	
7440-42-8	BORON	1	0.0093	0.1	0.0043	B	
7440-70-2	CALCIUM	1	4.3	1	0.14		
7440-47-3	CHROMIUM	1	0.0022	0.01	0.0022	U	
7439-89-6	IRON	1	0.029	0.1	0.029	U	
7439-93-2	LITHIUM	1	0.0038	0.01	0.0014	B	
7439-95-4	MAGNESIUM	1	0.23	1	0.12	B	
7440-02-0	NICKEL	1	0.0022	0.02	0.0022	U	
7723-14-0	PHOSPHORUS	1	0.044	0.2	0.044	U	
7440-09-7	POTASSIUM	1	1.3	1	0.4		
7440-21-3	SILICON	1	5.1	0.05	0.0086		
7440-23-5	SODIUM	1	120	1	0.47		
	SODIUM ADSORPTION RATIO	1	16	0.17	0.22		
7704-34-9	SULFUR	1	20	0.2	0.03		
7440-62-2	VANADIUM	1	0.0015	0.01	0.0015	U	

Data Package ID: *IT1110046-1*

Dissolved Metals by 200.8

Method EPA200.8 Revision 5.4

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Field ID: 705323 Dahl
Lab ID: 1110046-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-11
Date Extracted: 13-Oct-11
Date Analyzed: 17-Oct-11
Prep Method: EPA200.2 Rev 2.8

Prep Batch: IP111013-7
QCBatchID: IP111013-7-2
Run ID: IM111017-11A2
Cleanup: NONE
Basis: As Received
File Name: 028SMPL.

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	0.03	0.05	0.012	B	
7440-36-0	ANTIMONY	10	0.00022	0.0003	0.000041	B	
7440-38-2	ARSENIC	10	0.0011	0.002	0.000064	B	
7440-39-3	BARIUM	10	0.036	0.001	0.00017		
7440-43-9	CADMIUM	10	0.000037	0.0003	0.000037	U	
7440-45-1	CERIUM	10	0.00043	0.0003	0.000012		
7440-48-4	COBALT	10	0.00009	0.001	0.000044	B	
7440-50-8	COPPER	10	0.0018	0.01	0.00026	B	
7439-91-0	LANTHANUM	10	0.00025	0.0003	0.000023	B	
7439-92-1	LEAD	10	0.00034	0.0005	0.000036	B	
7439-96-5	MANGANESE	10	0.022	0.002	0.00021		
7439-98-7	MOLYBDENUM	10	0.0016	0.001	0.000072		
7440-00-8	NEODYMIUM	10	0.00006	0.0003	0.000033	B	
7440-10-0	PRASEODYMIUM	10	0.00002	0.0003	0.00002	U	
7782-49-2	SELENIUM	10	0.00039	0.001	0.00016	B	
7440-22-4	SILVER	10	0.000014	0.0001	0.000014	U	
7440-23-5	SODIUM	10	130	1	0.02		
7440-24-6	STRONTIUM	10	0.093	0.001	0.00017		
7440-28-0	THALLIUM	10	0.00007	0.0002	0.000015	B	
7440-29-1	THORIUM	10	0.00006	0.0002	0.000027	B	
7440-61-1	URANIUM	10	0.00015	0.0001	0.00003		
7440-65-5	YTTRIUM	10	0.00006	0.0003	0.000043	B	
7440-66-6	ZINC	10	0.19	0.02	0.0024		

Data Package ID: *IM1110046-1*

Total Recoverable Metals by 200.8

Method EPA200.8 Revision 5.4

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Field ID: 705323 Dahl
Lab ID: 1110046-2

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-11
Date Extracted: 13-Oct-11
Date Analyzed: 17-Oct-11
Prep Method: EPA200.2 Rev 2.8

Prep Batch: IP111013-7
QCBatchID: IP111013-7-2
Run ID: IM111017-11A2
Cleanup: NONE
Basis: As Received
File Name: 029SMPL.

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	0.04	0.05	0.012	B	
7440-36-0	ANTIMONY	10	0.000041	0.0003	0.000041	U	
7440-38-2	ARSENIC	10	0.0011	0.002	0.000064	B	
7440-39-3	BARIUM	10	0.037	0.001	0.00017		
7440-43-9	CADMIUM	10	0.00007	0.0003	0.000037	B	
7440-45-1	CERIUM	10	0.0003	0.0003	0.000012	B	
7440-48-4	COBALT	10	0.00005	0.001	0.000044	B	
7440-50-8	COPPER	10	0.0026	0.01	0.00026	B	
7439-91-0	LANTHANUM	10	0.00021	0.0003	0.000023	B	
7439-92-1	LEAD	10	0.00049	0.0005	0.000036	B	
7439-96-5	MANGANESE	10	0.024	0.002	0.00021		
7439-98-7	MOLYBDENUM	10	0.0013	0.001	0.000072		
7440-00-8	NEODYMIUM	10	0.000033	0.0003	0.000033	U	
7440-10-0	PRASEODYMIUM	10	0.00002	0.0003	0.00002	U	
7782-49-2	SELENIUM	10	0.00016	0.001	0.00016	U	
7440-22-4	SILVER	10	0.000014	0.0001	0.000014	U	
7440-23-5	SODIUM	10	130	1	0.02		
7440-24-6	STRONTIUM	10	0.091	0.001	0.00017		
7440-28-0	THALLIUM	10	0.00004	0.0002	0.000015	B	
7440-29-1	THORIUM	10	0.000027	0.0002	0.000027	U	
7440-61-1	URANIUM	10	0.00014	0.0001	0.00003		
7440-65-5	YTTRIUM	10	0.000043	0.0003	0.000043	U	
7440-66-6	ZINC	10	0.012	0.02	0.0024	B	

Data Package ID: *IM1110046-1*

Summary Report Forms

Metals by 200.7

Method EPA200.7 Revision 4.4

Method Blank

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: F111011-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 13-Oct-11
Date Analyzed: 14-Oct-11

Prep Batch: IP111013-7
QCBatchID: IP111013-7-1
Run ID: IT111014-2A2
Cleanup: NONE
Basis: N/A
File Name: 111014A.

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7440-41-7	BERYLLIUM	1	0.00044	0.002	0.00044	U	
7440-42-8	BORON	1	-0.0074	0.1	0.0043	B	
7440-70-2	CALCIUM	1	0.14	1	0.14	U	
7440-47-3	CHROMIUM	1	0.0022	0.01	0.0022	U	
7439-89-6	IRON	1	0.029	0.1	0.029	U	
7439-93-2	LITHIUM	1	-0.0022	0.01	0.0014	B	
7439-95-4	MAGNESIUM	1	0.12	1	0.12	U	
7440-02-0	NICKEL	1	0.0022	0.02	0.0022	U	
7723-14-0	PHOSPHORUS	1	0.044	0.2	0.044	U	
7440-09-7	POTASSIUM	1	0.4	1	0.4	U	
7440-21-3	SILICON	1	-0.02	0.05	0.0086	B	
7440-23-5	SODIUM	1	0.47	1	0.47	U	
7704-34-9	SULFUR	1	-0.033	0.2	0.03	B	
7440-62-2	VANADIUM	1	0.0015	0.01	0.0015	U	

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7 Revision 4.4

Laboratory Control Sample

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: F111011-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/13/2011
Date Analyzed: 10/14/2011
Prep Method: EPA200.22.8

Prep Batch: IP111013-7
QCBatchID: IP111013-7-1
Run ID: IT111014-2A2
Cleanup: NONE
Basis: N/A
File Name: 111014A.

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
7440-41-7	BERYLLIUM	0.05	0.0492	0.002		98	85 - 115%
7440-42-8	BORON	0.5	0.523	0.1		105	85 - 115%
7440-70-2	CALCIUM	40	41	1		103	85 - 115%
7440-47-3	CHROMIUM	0.2	0.206	0.01		103	85 - 115%
7439-89-6	IRON	1	0.989	0.1		99	85 - 115%
7439-93-2	LITHIUM	0.5	0.507	0.01		101	85 - 115%
7439-95-4	MAGNESIUM	40	41.7	1		104	85 - 115%
7440-02-0	NICKEL	0.5	0.519	0.02		104	85 - 115%
7723-14-0	PHOSPHORUS	10	10.8	0.2		108	85 - 115%
7440-09-7	POTASSIUM	40	44.4	1		111	85 - 115%
7440-21-3	SILICON	2	2.08	0.05		104	85 - 115%
7440-23-5	SODIUM	40	40.5	1		101	85 - 115%
7704-34-9	SULFUR	10	10.8	0.2		108	85 - 115%
7440-62-2	VANADIUM	0.5	0.514	0.01		103	85 - 115%

Data Package ID: *IT1110046-1*

Prep Batch ID: IP111013-7

Start Date: 10/13/11
Start Time: 16:00
Prep Analyst: Brent A. Stanfield

End Date: 10/13/11
End Time: 20:00

Concentration Method: NONE
Extract Method: EPA200.22.8
Initial Volume Units: g
Final Volume Units: g

Batch Created By: bas
Date Created: 10/13/11
Time Created: 15:47
Validated By: bas
Date Validated: 10/13/11
Time Validated: 16:33

Comments:

QC Batch ID: IP111013-7-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
F111011-1	MB	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110041
F111011-1	LCS	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110041
1110041-3	MS	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110041
1110041-3	MSD	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110041
1110041-3	DUP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110041
1110041-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110041
1110041-3	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110041
1110046-1	SMP	705323 Dahl	WATER	10/4/2011	50	50	NONE	1	1110046
1110046-2	SMP	705323 Dahl	WATER	10/4/2011	50	50	NONE	1	1110046
1110062-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110062
1110062-3	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110062
1110079-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110079
1110079-3	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110079

QC Types

CAR	Carrier reference sample		DUP	Laboratory Duplicate
LCS	Laboratory Control Sample		LCSD	Laboratory Control Sample Duplicat
MB	Method Blank		MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate		REP	Sample replicate
RVS	Reporting Level Verification Standar		SMP	Field Sample
SYS	Sample Yield Spike			

Metals by 200.7

Method EPA200.7

Calibration Verifications

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: ICV

QC Type: Initial Calibration

File Name: 111014A.

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 11:59

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.25	0.255	0.002		102	95 - 105%
7440-42-8	BORON	0.5	0.511	0.1		102	95 - 105%
7440-70-2	CALCIUM	25	25.7	1		103	95 - 105%
7440-47-3	CHROMIUM	0.5	0.523	0.01		105	95 - 105%
7439-89-6	IRON	10	10.1	0.1		101	95 - 105%
7439-93-2	LITHIUM	0.25	0.248	0.01		99	95 - 105%
7439-95-4	MAGNESIUM	25	25.6	1		102	95 - 105%
7440-02-0	NICKEL	0.5	0.515	0.02		103	95 - 105%
7723-14-0	PHOSPHORUS	2.5	2.63	0.2		105	95 - 105%
7440-09-7	POTASSIUM	25	24.9	1		99	95 - 105%
7440-21-3	SILICON	2.5	2.51	0.05		100	95 - 105%
7440-23-5	SODIUM	25	24.7	1		99	95 - 105%
7704-34-9	SULFUR	2.5	2.55	0.2		102	95 - 105%
7440-62-2	VANADIUM	0.25	0.254	0.01		102	95 - 105%

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Verifications

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCV1

QC Type: Continuing Calibration

File Name: 111014A.

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 12:16

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.501	0.002		100	90 - 110%
7440-42-8	BORON	1	1.04	0.1		104	90 - 110%
7440-70-2	CALCIUM	50	51.4	1		103	90 - 110%
7440-47-3	CHROMIUM	1	1.03	0.01		103	90 - 110%
7439-89-6	IRON	20	20.4	0.1		102	90 - 110%
7439-93-2	LITHIUM	0.5	0.528	0.01		106	90 - 110%
7439-95-4	MAGNESIUM	50	51.4	1		103	90 - 110%
7440-02-0	NICKEL	1	1.02	0.02		102	90 - 110%
7723-14-0	PHOSPHORUS	5	5.25	0.2		105	90 - 110%
7440-09-7	POTASSIUM	50	52.9	1		106	90 - 110%
7440-21-3	SILICON	5	4.97	0.05		99	90 - 110%
7440-23-5	SODIUM	50	51.1	1		102	90 - 110%
7704-34-9	SULFUR	5	5.15	0.2		103	90 - 110%
7440-62-2	VANADIUM	0.5	0.504	0.01		101	90 - 110%

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Verifications

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCV2

QC Type: Continuing Calibration

File Name: 111014A.

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 12:40

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.484	0.002		97	90 - 110%
7440-42-8	BORON	1	1.01	0.1		101	90 - 110%
7440-70-2	CALCIUM	50	49.9	1		100	90 - 110%
7440-47-3	CHROMIUM	1	1.00	0.01		100	90 - 110%
7439-89-6	IRON	20	19.8	0.1		99	90 - 110%
7439-93-2	LITHIUM	0.5	0.518	0.01		104	90 - 110%
7439-95-4	MAGNESIUM	50	50.0	1		100	90 - 110%
7440-02-0	NICKEL	1	0.993	0.02		99	90 - 110%
7723-14-0	PHOSPHORUS	5	5.08	0.2		102	90 - 110%
7440-09-7	POTASSIUM	50	52.1	1		104	90 - 110%
7440-21-3	SILICON	5	4.85	0.05		97	90 - 110%
7440-23-5	SODIUM	50	49.2	1		98	90 - 110%
7704-34-9	SULFUR	5	5.00	0.2		100	90 - 110%
7440-62-2	VANADIUM	0.5	0.492	0.01		98	90 - 110%

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Verifications

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCV3

QC Type: Continuing Calibration

File Name: 111014A.

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 13:02

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.494	0.002		99	90 - 110%
7440-42-8	BORON	1	1.03	0.1		103	90 - 110%
7440-70-2	CALCIUM	50	51.2	1		102	90 - 110%
7440-47-3	CHROMIUM	1	1.02	0.01		102	90 - 110%
7439-89-6	IRON	20	20.2	0.1		101	90 - 110%
7439-93-2	LITHIUM	0.5	0.527	0.01		105	90 - 110%
7439-95-4	MAGNESIUM	50	50.7	1		101	90 - 110%
7440-02-0	NICKEL	1	1.04	0.02		104	90 - 110%
7723-14-0	PHOSPHORUS	5	5.14	0.2		103	90 - 110%
7440-09-7	POTASSIUM	50	52.8	1		106	90 - 110%
7440-21-3	SILICON	5	4.91	0.05		98	90 - 110%
7440-23-5	SODIUM	50	49.9	1		100	90 - 110%
7704-34-9	SULFUR	5	5.08	0.2		102	90 - 110%
7440-62-2	VANADIUM	0.5	0.500	0.01		100	90 - 110%

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Verifications

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCV4

QC Type: Continuing Calibration

File Name: 111014A.

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 13:24

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.483	0.002		97	90 - 110%
7440-42-8	BORON	1	1.02	0.1		102	90 - 110%
7440-70-2	CALCIUM	50	50.2	1		100	90 - 110%
7440-47-3	CHROMIUM	1	0.999	0.01		100	90 - 110%
7439-89-6	IRON	20	19.8	0.1		99	90 - 110%
7439-93-2	LITHIUM	0.5	0.525	0.01		105	90 - 110%
7439-95-4	MAGNESIUM	50	50.1	1		100	90 - 110%
7440-02-0	NICKEL	1	1.02	0.02		102	90 - 110%
7723-14-0	PHOSPHORUS	5	5.01	0.2		100	90 - 110%
7440-09-7	POTASSIUM	50	52.6	1		105	90 - 110%
7440-21-3	SILICON	5	4.84	0.05		97	90 - 110%
7440-23-5	SODIUM	50	49.8	1		100	90 - 110%
7704-34-9	SULFUR	5	4.99	0.2		100	90 - 110%
7440-62-2	VANADIUM	0.5	0.493	0.01		99	90 - 110%

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Verifications

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCV5

QC Type: Continuing Calibration

File Name: 111014A.

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 13:46

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.488	0.002		98	90 - 110%
7440-42-8	BORON	1	1.02	0.1		102	90 - 110%
7440-70-2	CALCIUM	50	51.0	1		102	90 - 110%
7440-47-3	CHROMIUM	1	1.01	0.01		101	90 - 110%
7439-89-6	IRON	20	20.0	0.1		100	90 - 110%
7439-93-2	LITHIUM	0.5	0.524	0.01		105	90 - 110%
7439-95-4	MAGNESIUM	50	50.4	1		101	90 - 110%
7440-02-0	NICKEL	1	1.03	0.02		103	90 - 110%
7723-14-0	PHOSPHORUS	5	5.03	0.2		101	90 - 110%
7440-09-7	POTASSIUM	50	52.6	1		105	90 - 110%
7440-21-3	SILICON	5	4.86	0.05		97	90 - 110%
7440-23-5	SODIUM	50	50.8	1		102	90 - 110%
7704-34-9	SULFUR	5	5.01	0.2		100	90 - 110%
7440-62-2	VANADIUM	0.5	0.497	0.01		99	90 - 110%

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Verifications

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCV6

QC Type: Continuing Calibration

File Name: 111014A.

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 14:08

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.487	0.002		97	90 - 110%
7440-42-8	BORON	1	1.02	0.1		102	90 - 110%
7440-70-2	CALCIUM	50	50.7	1		101	90 - 110%
7440-47-3	CHROMIUM	1	1.01	0.01		101	90 - 110%
7439-89-6	IRON	20	19.9	0.1		99	90 - 110%
7439-93-2	LITHIUM	0.5	0.519	0.01		104	90 - 110%
7439-95-4	MAGNESIUM	50	50.3	1		101	90 - 110%
7440-02-0	NICKEL	1	1.03	0.02		103	90 - 110%
7723-14-0	PHOSPHORUS	5	4.95	0.2		99	90 - 110%
7440-09-7	POTASSIUM	50	52.3	1		105	90 - 110%
7440-21-3	SILICON	5	4.83	0.05		97	90 - 110%
7440-23-5	SODIUM	50	50.4	1		101	90 - 110%
7704-34-9	SULFUR	5	5.01	0.2		100	90 - 110%
7440-62-2	VANADIUM	0.5	0.497	0.01		99	90 - 110%

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Verifications

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCV7

QC Type: Continuing Calibration

File Name: 111014A.

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 14:31

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.476	0.002		95	90 - 110%
7440-42-8	BORON	1	1.00	0.1		100	90 - 110%
7440-70-2	CALCIUM	50	49.7	1		99	90 - 110%
7440-47-3	CHROMIUM	1	0.987	0.01		99	90 - 110%
7439-89-6	IRON	20	19.5	0.1		97	90 - 110%
7439-93-2	LITHIUM	0.5	0.515	0.01		103	90 - 110%
7439-95-4	MAGNESIUM	50	49.6	1		99	90 - 110%
7440-02-0	NICKEL	1	1.01	0.02		101	90 - 110%
7723-14-0	PHOSPHORUS	5	4.88	0.2		98	90 - 110%
7440-09-7	POTASSIUM	50	52.0	1		104	90 - 110%
7440-21-3	SILICON	5	4.75	0.05		95	90 - 110%
7440-23-5	SODIUM	50	49.6	1		99	90 - 110%
7704-34-9	SULFUR	5	4.94	0.2		99	90 - 110%
7440-62-2	VANADIUM	0.5	0.487	0.01		97	90 - 110%

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Verifications

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCV8

QC Type: Continuing Calibration

File Name: 111014A.

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 14:53

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.473	0.002		95	90 - 110%
7440-42-8	BORON	1	1.00	0.1		100	90 - 110%
7440-70-2	CALCIUM	50	49.7	1		99	90 - 110%
7440-47-3	CHROMIUM	1	0.984	0.01		98	90 - 110%
7439-89-6	IRON	20	19.4	0.1		97	90 - 110%
7439-93-2	LITHIUM	0.5	0.515	0.01		103	90 - 110%
7439-95-4	MAGNESIUM	50	49.4	1		99	90 - 110%
7440-02-0	NICKEL	1	1.02	0.02		102	90 - 110%
7723-14-0	PHOSPHORUS	5	4.90	0.2		98	90 - 110%
7440-09-7	POTASSIUM	50	52.0	1		104	90 - 110%
7440-21-3	SILICON	5	4.73	0.05		95	90 - 110%
7440-23-5	SODIUM	50	49.9	1		100	90 - 110%
7704-34-9	SULFUR	5	4.94	0.2		99	90 - 110%
7440-62-2	VANADIUM	0.5	0.486	0.01		97	90 - 110%

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Verifications

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCV9

QC Type: Continuing Calibration

File Name: 111014A.

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 15:15

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.476	0.002		95	90 - 110%
7440-42-8	BORON	1	1.01	0.1		101	90 - 110%
7440-70-2	CALCIUM	50	50.2	1		100	90 - 110%
7440-47-3	CHROMIUM	1	0.991	0.01		99	90 - 110%
7439-89-6	IRON	20	19.5	0.1		97	90 - 110%
7439-93-2	LITHIUM	0.5	0.512	0.01		102	90 - 110%
7439-95-4	MAGNESIUM	50	49.5	1		99	90 - 110%
7440-02-0	NICKEL	1	1.04	0.02		104	90 - 110%
7723-14-0	PHOSPHORUS	5	4.89	0.2		98	90 - 110%
7440-09-7	POTASSIUM	50	51.7	1		103	90 - 110%
7440-21-3	SILICON	5	4.72	0.05		94	90 - 110%
7440-23-5	SODIUM	50	49.7	1		99	90 - 110%
7704-34-9	SULFUR	5	4.93	0.2		99	90 - 110%
7440-62-2	VANADIUM	0.5	0.489	0.01		98	90 - 110%

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Verifications

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCV10

QC Type: Continuing Calibration

File Name: 111014A.

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 15:38

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.473	0.002		95	90 - 110%
7440-42-8	BORON	1	1.01	0.1		101	90 - 110%
7440-70-2	CALCIUM	50	49.8	1		100	90 - 110%
7440-47-3	CHROMIUM	1	0.985	0.01		99	90 - 110%
7439-89-6	IRON	20	19.4	0.1		97	90 - 110%
7439-93-2	LITHIUM	0.5	0.518	0.01		104	90 - 110%
7439-95-4	MAGNESIUM	50	49.5	1		99	90 - 110%
7440-02-0	NICKEL	1	1.05	0.02		105	90 - 110%
7723-14-0	PHOSPHORUS	5	4.90	0.2		98	90 - 110%
7440-09-7	POTASSIUM	50	52.2	1		104	90 - 110%
7440-21-3	SILICON	5	4.71	0.05		94	90 - 110%
7440-23-5	SODIUM	50	49.9	1		100	90 - 110%
7704-34-9	SULFUR	5	4.96	0.2		99	90 - 110%
7440-62-2	VANADIUM	0.5	0.488	0.01		98	90 - 110%

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Verifications

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCV11

QC Type: Continuing Calibration

File Name: 111014A.

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 16:02

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.478	0.002		96	90 - 110%
7440-42-8	BORON	1	1.01	0.1		101	90 - 110%
7440-70-2	CALCIUM	50	49.6	1		99	90 - 110%
7440-47-3	CHROMIUM	1	0.991	0.01		99	90 - 110%
7439-89-6	IRON	20	19.6	0.1		98	90 - 110%
7439-93-2	LITHIUM	0.5	0.521	0.01		104	90 - 110%
7439-95-4	MAGNESIUM	50	49.9	1		100	90 - 110%
7440-02-0	NICKEL	1	1.02	0.02		102	90 - 110%
7723-14-0	PHOSPHORUS	5	5.12	0.2		102	90 - 110%
7440-09-7	POTASSIUM	50	51.9	1		104	90 - 110%
7440-21-3	SILICON	5	4.79	0.05		96	90 - 110%
7440-23-5	SODIUM	50	50.0	1		100	90 - 110%
7704-34-9	SULFUR	5	5.11	0.2		102	90 - 110%
7440-62-2	VANADIUM	0.5	0.490	0.01		98	90 - 110%

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Verifications

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCV12

QC Type: Continuing Calibration

File Name: 111014A.

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 16:25

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.477	0.002		95	90 - 110%
7440-42-8	BORON	1	1.01	0.1		101	90 - 110%
7440-70-2	CALCIUM	50	49.8	1		100	90 - 110%
7440-47-3	CHROMIUM	1	0.991	0.01		99	90 - 110%
7439-89-6	IRON	20	19.6	0.1		98	90 - 110%
7439-93-2	LITHIUM	0.5	0.517	0.01		103	90 - 110%
7439-95-4	MAGNESIUM	50	49.8	1		100	90 - 110%
7440-02-0	NICKEL	1	1.03	0.02		103	90 - 110%
7723-14-0	PHOSPHORUS	5	5.15	0.2		103	90 - 110%
7440-09-7	POTASSIUM	50	51.7	1		103	90 - 110%
7440-21-3	SILICON	5	4.76	0.05		95	90 - 110%
7440-23-5	SODIUM	50	50.4	1		101	90 - 110%
7704-34-9	SULFUR	5	5.21	0.2		104	90 - 110%
7440-62-2	VANADIUM	0.5	0.489	0.01		98	90 - 110%

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Blanks

Lab Name: **ALS Environmental -- FC**

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: ICB

QC Type: Initial Calibration

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 12:01:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	-0.000328	0.002	B
7440-42-8	BORON	-0.00679	0.1	B
7440-70-2	CALCIUM	-0.0355	1	B
7440-47-3	CHROMIUM	-0.000634	0.01	B
7439-89-6	IRON	0.00494	0.1	U
7439-93-2	LITHIUM	-0.00206	0.01	B
7439-95-4	MAGNESIUM	-0.0303	1	B
7440-02-0	NICKEL	-0.0016	0.02	B
7723-14-0	PHOSPHORUS	0.00581	0.2	U
7440-09-7	POTASSIUM	-0.154	1	B
7440-21-3	SILICON	-0.0186	0.05	B
7440-23-5	SODIUM	-0.0569	1	B
7704-34-9	SULFUR	-0.0356	0.2	B
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Blanks

Lab Name: **ALS Environmental -- FC**

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCB1

QC Type: Continuing Calibration

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 12:18:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	0.000176	0.002	U
7440-42-8	BORON	-0.00526	0.1	B
7440-70-2	CALCIUM	0.0119	1	U
7440-47-3	CHROMIUM	0.00051	0.01	U
7439-89-6	IRON	0.0111	0.1	B
7439-93-2	LITHIUM	-0.002	0.01	B
7439-95-4	MAGNESIUM	0.013	1	U
7440-02-0	NICKEL	0.000932	0.02	U
7723-14-0	PHOSPHORUS	0.00581	0.2	U
7440-09-7	POTASSIUM	-0.133	1	B
7440-21-3	SILICON	-0.0167	0.05	B
7440-23-5	SODIUM	-0.0416	1	B
7704-34-9	SULFUR	-0.0182	0.2	B
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Blanks

Lab Name: **ALS Environmental -- FC**

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCB2

QC Type: Continuing Calibration

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 12:42:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	-0.000209	0.002	B
7440-42-8	BORON	-0.00622	0.1	B
7440-70-2	CALCIUM	-0.0208	1	B
7440-47-3	CHROMIUM	0.00051	0.01	U
7439-89-6	IRON	0.00603	0.1	B
7439-93-2	LITHIUM	-0.00203	0.01	B
7439-95-4	MAGNESIUM	0.013	1	U
7440-02-0	NICKEL	0.000932	0.02	U
7723-14-0	PHOSPHORUS	0.00581	0.2	U
7440-09-7	POTASSIUM	-0.147	1	B
7440-21-3	SILICON	-0.0208	0.05	B
7440-23-5	SODIUM	-0.017	1	B
7704-34-9	SULFUR	-0.0284	0.2	B
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Blanks

Lab Name: **ALS Environmental -- FC**

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCB3

QC Type: Continuing Calibration

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 1:04:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	0.000176	0.002	U
7440-42-8	BORON	-0.006	0.1	B
7440-70-2	CALCIUM	0.0119	1	U
7440-47-3	CHROMIUM	0.000943	0.01	B
7439-89-6	IRON	0.01	0.1	B
7439-93-2	LITHIUM	-0.00198	0.01	B
7439-95-4	MAGNESIUM	0.013	1	U
7440-02-0	NICKEL	0.000932	0.02	U
7723-14-0	PHOSPHORUS	0.00581	0.2	U
7440-09-7	POTASSIUM	-0.153	1	B
7440-21-3	SILICON	-0.0178	0.05	B
7440-23-5	SODIUM	0.00808	1	B
7704-34-9	SULFUR	-0.0342	0.2	B
7440-62-2	VANADIUM	0.000824	0.01	B

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Blanks

Lab Name: **ALS Environmental -- FC**

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCB4

QC Type: Continuing Calibration

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 1:26:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	0.000187	0.002	B
7440-42-8	BORON	-0.00696	0.1	B
7440-70-2	CALCIUM	0.0119	1	U
7440-47-3	CHROMIUM	0.00051	0.01	U
7439-89-6	IRON	0.00852	0.1	B
7439-93-2	LITHIUM	-0.002	0.01	B
7439-95-4	MAGNESIUM	0.013	1	U
7440-02-0	NICKEL	-0.00168	0.02	B
7723-14-0	PHOSPHORUS	0.00581	0.2	U
7440-09-7	POTASSIUM	-0.166	1	B
7440-21-3	SILICON	-0.0206	0.05	B
7440-23-5	SODIUM	0.00658	1	U
7704-34-9	SULFUR	-0.0313	0.2	B
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Blanks

Lab Name: **ALS Environmental -- FC**

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCB5

QC Type: Continuing Calibration

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 1:48:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	0.000176	0.002	U
7440-42-8	BORON	-0.00686	0.1	B
7440-70-2	CALCIUM	0.0413	1	B
7440-47-3	CHROMIUM	0.00051	0.01	U
7439-89-6	IRON	0.00987	0.1	B
7439-93-2	LITHIUM	-0.00205	0.01	B
7439-95-4	MAGNESIUM	0.013	1	U
7440-02-0	NICKEL	-0.00114	0.02	B
7723-14-0	PHOSPHORUS	0.00581	0.2	U
7440-09-7	POTASSIUM	-0.172	1	B
7440-21-3	SILICON	-0.0219	0.05	B
7440-23-5	SODIUM	-0.0333	1	B
7704-34-9	SULFUR	-0.0342	0.2	B
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Blanks

Lab Name: **ALS Environmental -- FC**

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCB6

QC Type: Continuing Calibration

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 2:10:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	0.000176	0.002	U
7440-42-8	BORON	-0.00732	0.1	B
7440-70-2	CALCIUM	-0.0234	1	B
7440-47-3	CHROMIUM	0.00051	0.01	U
7439-89-6	IRON	0.00494	0.1	U
7439-93-2	LITHIUM	-0.00209	0.01	B
7439-95-4	MAGNESIUM	-0.0212	1	B
7440-02-0	NICKEL	-0.00135	0.02	B
7723-14-0	PHOSPHORUS	-0.00721	0.2	B
7440-09-7	POTASSIUM	-0.167	1	B
7440-21-3	SILICON	-0.0242	0.05	B
7440-23-5	SODIUM	-0.0418	1	B
7704-34-9	SULFUR	-0.0342	0.2	B
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Blanks

Lab Name: **ALS Environmental -- FC**

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCB7

QC Type: Continuing Calibration

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 2:33:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	0.000176	0.002	U
7440-42-8	BORON	-0.00572	0.1	B
7440-70-2	CALCIUM	-0.0208	1	B
7440-47-3	CHROMIUM	0.00051	0.01	U
7439-89-6	IRON	0.00494	0.1	U
7439-93-2	LITHIUM	-0.00204	0.01	B
7439-95-4	MAGNESIUM	-0.0167	1	B
7440-02-0	NICKEL	-0.00151	0.02	B
7723-14-0	PHOSPHORUS	0.00581	0.2	U
7440-09-7	POTASSIUM	-0.159	1	B
7440-21-3	SILICON	-0.0258	0.05	B
7440-23-5	SODIUM	-0.0288	1	B
7704-34-9	SULFUR	-0.0356	0.2	B
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Blanks

Lab Name: **ALS Environmental -- FC**

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCB8

QC Type: Continuing Calibration

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 2:55:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	0.000176	0.002	U
7440-42-8	BORON	-0.00682	0.1	B
7440-70-2	CALCIUM	-0.0122	1	B
7440-47-3	CHROMIUM	0.00051	0.01	U
7439-89-6	IRON	0.00514	0.1	B
7439-93-2	LITHIUM	-0.00202	0.01	B
7439-95-4	MAGNESIUM	-0.0132	1	B
7440-02-0	NICKEL	-0.00173	0.02	B
7723-14-0	PHOSPHORUS	-0.00998	0.2	B
7440-09-7	POTASSIUM	-0.145	1	B
7440-21-3	SILICON	-0.0265	0.05	B
7440-23-5	SODIUM	-0.033	1	B
7704-34-9	SULFUR	-0.0327	0.2	B
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Blanks

Lab Name: **ALS Environmental -- FC**

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCB9

QC Type: Continuing Calibration

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 3:17:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	0.000406	0.002	B
7440-42-8	BORON	-0.00728	0.1	B
7440-70-2	CALCIUM	0.0119	1	U
7440-47-3	CHROMIUM	0.00051	0.01	U
7439-89-6	IRON	0.0101	0.1	B
7439-93-2	LITHIUM	-0.00199	0.01	B
7439-95-4	MAGNESIUM	0.013	1	U
7440-02-0	NICKEL	-0.00133	0.02	B
7723-14-0	PHOSPHORUS	0.00581	0.2	U
7440-09-7	POTASSIUM	-0.165	1	B
7440-21-3	SILICON	-0.0262	0.05	B
7440-23-5	SODIUM	-0.0268	1	B
7704-34-9	SULFUR	-0.024	0.2	B
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Blanks

Lab Name: **ALS Environmental -- FC**

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCB10

QC Type: Continuing Calibration

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 3:40:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	0.000523	0.002	B
7440-42-8	BORON	-0.0064	0.1	B
7440-70-2	CALCIUM	0.0265	1	B
7440-47-3	CHROMIUM	0.00051	0.01	U
7439-89-6	IRON	0.0108	0.1	B
7439-93-2	LITHIUM	-0.00196	0.01	B
7439-95-4	MAGNESIUM	0.013	1	U
7440-02-0	NICKEL	0.000932	0.02	U
7723-14-0	PHOSPHORUS	0.00581	0.2	U
7440-09-7	POTASSIUM	-0.155	1	B
7440-21-3	SILICON	-0.0253	0.05	B
7440-23-5	SODIUM	-0.0182	1	B
7704-34-9	SULFUR	0.00902	0.2	U
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Blanks

Lab Name: **ALS Environmental -- FC**

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCB11

QC Type: Continuing Calibration

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 4:04:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	0.000339	0.002	B
7440-42-8	BORON	-0.00554	0.1	B
7440-70-2	CALCIUM	0.0516	1	B
7440-47-3	CHROMIUM	0.00051	0.01	U
7439-89-6	IRON	0.0133	0.1	B
7439-93-2	LITHIUM	-0.00192	0.01	B
7439-95-4	MAGNESIUM	0.013	1	U
7440-02-0	NICKEL	0.000932	0.02	U
7723-14-0	PHOSPHORUS	0.00581	0.2	U
7440-09-7	POTASSIUM	-0.142	1	B
7440-21-3	SILICON	-0.019	0.05	B
7440-23-5	SODIUM	-0.00906	1	B
7704-34-9	SULFUR	0.0196	0.2	B
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

Calibration Blanks

Lab Name: **ALS Environmental -- FC**

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCB12

QC Type: Continuing Calibration

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Time Analyzed: 4:27:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	0.000335	0.002	B
7440-42-8	BORON	-0.00597	0.1	B
7440-70-2	CALCIUM	0.0226	1	B
7440-47-3	CHROMIUM	0.00051	0.01	U
7439-89-6	IRON	0.0162	0.1	B
7439-93-2	LITHIUM	-0.002	0.01	B
7439-95-4	MAGNESIUM	0.013	1	U
7440-02-0	NICKEL	-0.00154	0.02	B
7723-14-0	PHOSPHORUS	0.00581	0.2	U
7440-09-7	POTASSIUM	-0.174	1	B
7440-21-3	SILICON	-0.0227	0.05	B
7440-23-5	SODIUM	-0.0347	1	B
7704-34-9	SULFUR	-0.0145	0.2	B
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

ICP Interference Check Sample

Lab Name: **ALS Environmental -- FC**

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Result Units: MG/L

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7440-41-7	BERYLLIUM		0.5		0.494	99
7440-42-8	BORON		1		1.03	103
7440-70-2	CALCIUM	250	250	273	272	109
7440-47-3	CHROMIUM		0.5		0.494	99
7439-89-6	IRON	100	100	111	111	111
7439-93-2	LITHIUM		1		1.13	113
7439-95-4	MAGNESIUM	250	250	276	275	110
7440-02-0	NICKEL		1		0.98400	98
7723-14-0	PHOSPHORUS		1		1.05	105
7440-09-7	POTASSIUM					
7440-21-3	SILICON		1		0.95800	96
7440-23-5	SODIUM					
7704-34-9	SULFUR		1		1.06	106
7440-62-2	VANADIUM		0.5		0.491	98

Data Package ID: *IT1110046-1*

Metals by 200.7

Method EPA200.7

ICP Interference Check Sample

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Run ID: IT111014-2A2

Date Analyzed: 10/14/2011

Result Units: MG/L

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA2	ICSAB2	ICSA2	ICSAB2	
7440-41-7	BERYLLIUM		0.5		0.48	96
7440-42-8	BORON		1		1.02	102
7440-70-2	CALCIUM	250	250	273	268	107
7440-47-3	CHROMIUM		0.5		0.48500	97
7439-89-6	IRON	100	100	109	108	108
7439-93-2	LITHIUM		1		1.09000	109
7439-95-4	MAGNESIUM	250	250	275	270	108
7440-02-0	NICKEL		1		1.02	102
7723-14-0	PHOSPHORUS		1		1.06	106
7440-09-7	POTASSIUM					
7440-21-3	SILICON		1		0.92500	92
7440-23-5	SODIUM					
7704-34-9	SULFUR		1		1.11000	111
7440-62-2	VANADIUM		0.5		0.484	97

Data Package ID: *IT1110046-1*

Metals Linear Ranges

Lab Name: ALS Environmental -- FC
Work Order Number: 1110046
Client Name: Colorado Oil & Gas Conservation Commission
ClientProject ID: Complaint 200323492

Instrument ID: ICPTrace2
Active Date: 03/02/2010
Expiration Date: 05/31/2015

CASNO	Target Analyte	Concentration (ppm)
7429-90-5	ALUMINUM	500
7440-36-0	ANTIMONY	2
7440-38-2	ARSENIC	5
7440-39-3	BARIUM	10
7440-41-7	BERYLLIUM	1
7440-42-8	BORON	10
7440-43-9	CADMIUM	5
7440-70-2	CALCIUM	500
7440-47-3	CHROMIUM	10
7440-48-4	COBALT	5
7440-50-8	COPPER	10
7439-89-6	IRON	200
7439-92-1	LEAD	10
7439-93-2	LITHIUM	5
7439-95-4	MAGNESIUM	500
7439-96-5	MANGANESE	10
7439-98-7	MOLYBDENUM	10
7440-02-0	NICKEL	10
7723-14-0	PHOSPHORUS	50
7440-09-7	POTASSIUM	250
7782-49-2	SELENIUM	5
7440-21-3	SILICON	50
7440-22-4	SILVER	2
7440-23-5	SODIUM	150
7440-24-6	STRONTIUM	10
7704-34-9	SULFUR	50
7440-28-0	THALLIUM	5
7440-29-1	THORIUM	1
7440-61-1	URANIUM	50
7440-62-2	VANADIUM	5

Metals Linear Ranges

Lab Name: **ALS Environmental -- FC**

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Instrument ID: ICPTrace2

Active Date: 03/02/2010

Expiration Date: 05/31/2015

7440-66-6	ZINC	10

ICP Interelement Correction Factors

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Instrument ID: ICPTrace2

Active Date: 11/17/2009

Expiration Date: 11/17/2010

Analyte	Lamda (nm)	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Th
ALUMINUM																	
ANTIMONY									0.0103504								
BERYLLIUM																	
CADMIUM				0.0068507													
CHROMIUM																	
COBALT					-0.001400												
COPPER																	
LEAD		0.0002386										0.0000243					
SELENIUM												0.000036					
SILICON																	
SILVER																	
THALLIUM												-0.000142			-0.000176		
THORIUM														-7.04E-05			
URANIUM												0.0006809					
VANADIUM												-0.000194					

ICP Interelement Correction Factors

Lab Name: ALS Environmental -- FC
Work Order Number: 1110046
Client Name: Colorado Oil & Gas Conservation Commission
ClientProject ID: Complaint 200323492

Instrument ID: ICPTrace2
Active Date: 11/17/2009
Expiration Date: 11/17/2010

Analyte	Lamda (nm)	K	Se	Ag	Na	Tl	V	Zn	Sn	Ti	Mo	Li	Sr	B	Si	U	Zr
ALUMINUM							0.0125517				0.0033239					-0.028003	
ANTIMONY											-0.008489						
BERYLLIUM							0.0010513										
CADMIUM																	
CHROMIUM																0.0005333	
COBALT										0.002105							
COPPER																0.0007767	
LEAD										0.0002142	-0.001821					0.0009113	
SELENIUM																0.0000151	
SILICON										0.0009037	-0.004063					0.001509	
SILVER																0.0006982	
THALLIUM							0.0006359			-0.000251						-0.000582	
THORIUM																0.0394242	
URANIUM																	
VANADIUM																	

ICPTrace2 Run Log -- 10/14/2011

Instrument ID: ICPTrace2
File Name: 111014A.
AnalRunID: IT111014-2A1
CalibRefID: IT111014-2A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		MIXBHIGH	1	10/14/2011	11:32
		MIXAHIGH	1	10/14/2011	11:34
		MIXCHIGH	1	10/14/2011	11:36
		ICV	1	10/14/2011	11:59
		ICB	1	10/14/2011	12:01
		CRI1	1	10/14/2011	12:03
		ICSA1	1	10/14/2011	12:05
		ZZZ	1	10/14/2011	12:09
		ICSAB1	1	10/14/2011	12:11
		CCV1	1	10/14/2011	12:16
		CCB1	1	10/14/2011	12:18
		F111011-1MB	1	10/14/2011	12:20
		F111011-1	1	10/14/2011	12:22
		F111011-1LCS	1	10/14/2011	12:24
- Na		1110041-1	1	10/14/2011	12:26
- Na		1110041-3	1	10/14/2011	12:27
- Na		1110041-3DUP	1	10/14/2011	12:29
- Na		1110041-3SER	5	10/14/2011	12:31
- Na		1110041-3MS	1	10/14/2011	12:35
- Na		1110041-3MSD	1	10/14/2011	12:36
	705323 Dahl	1110046-1	1	10/14/2011	12:38
		CCV2	1	10/14/2011	12:40
		CCB2	1	10/14/2011	12:42
	705323 Dahl	1110046-2	1	10/14/2011	12:44
- Na,S		1110062-1	1	10/14/2011	12:46
- Na,S		1110062-3	1	10/14/2011	12:48
		1110079-1	1	10/14/2011	12:49
		1110079-3	1	10/14/2011	12:51
		1110106-1	1	10/14/2011	12:53
		EX111012-13MB	1	10/14/2011	12:55
		EX111012-13	1	10/14/2011	12:57
- Na		EX111012-13LCS	1	10/14/2011	12:58
- Na		1110002-14	1	10/14/2011	13:00
		CCV3	1	10/14/2011	13:02
		CCB3	1	10/14/2011	13:04

Data Package ID: IT1110046-1

ICPTrace2 Run Log -- 10/14/2011

Instrument ID: ICPTrace2
File Name: 111014A.
AnalRunID: IT111014-2A1
CalibRefID: IT111014-2A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
- Na		1110002-15	1	10/14/2011	13:06
- Na		1110002-16	1	10/14/2011	13:08
- Na		1110002-17	1	10/14/2011	13:09
		1110002-18	1	10/14/2011	13:11
		1110002-21	1	10/14/2011	13:13
		1110002-24	1	10/14/2011	13:15
		1110002-24DUP	1	10/14/2011	13:17
		1110002-24SER	5	10/14/2011	13:18
		1110002-24MS	1	10/14/2011	13:20
		1110002-24MSD	1	10/14/2011	13:22
		CCV4	1	10/14/2011	13:24
		CCB4	1	10/14/2011	13:26
		EX111012-12MB	1	10/14/2011	13:28
		EX111012-12	1	10/14/2011	13:30
		EX111012-12LCS	1	10/14/2011	13:31
		1110002-13	1	10/14/2011	13:33
		1110002-13DUP	1	10/14/2011	13:35
		1110002-13SER	5	10/14/2011	13:37
		1110002-13MS	1	10/14/2011	13:39
		1110002-13MSD	1	10/14/2011	13:41
		1110002-19	1	10/14/2011	13:42
		1110002-20	1	10/14/2011	13:44
		CCV5	1	10/14/2011	13:46
		CCB5	1	10/14/2011	13:48
		1110002-22	1	10/14/2011	13:50
		1110002-23	1	10/14/2011	13:52
		EX111012-11MB	1	10/14/2011	13:54
		EX111012-11	1	10/14/2011	13:55
		EX111012-11LCS	1	10/14/2011	13:57
		1109326-4	1	10/14/2011	13:59
		1109326-4DUP	1	10/14/2011	14:01
		1109326-4SER	5	10/14/2011	14:03
		1109326-4MS	1	10/14/2011	14:05
		1109326-4MSD	1	10/14/2011	14:07
		CCV6	1	10/14/2011	14:08

Data Package ID: IT1110046-1

ICPTrace2 Run Log -- 10/14/2011

Instrument ID: ICPTrace2
File Name: 111014A.
AnalRunID: IT111014-2A1
CalibRefID: IT111014-2A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		CCB6	1	10/14/2011	14:10
		1109326-5	1	10/14/2011	14:12
		1109326-6	1	10/14/2011	14:14
+ Na		1110041-1	5	10/14/2011	14:16
+ Na		1110041-3	5	10/14/2011	14:18
+ Na		1110041-3DUP	5	10/14/2011	14:20
+ Na		1110041-3SER	25	10/14/2011	14:21
+ Na		1110041-3MS	5	10/14/2011	14:23
+ Na		1110041-3MSD	5	10/14/2011	14:25
+ K		1110041-3A	1	10/14/2011	14:27
+ Na,S		1110062-1	5	10/14/2011	14:29
		CCV7	1	10/14/2011	14:31
		CCB7	1	10/14/2011	14:33
+ Na,S		1110062-3	5	10/14/2011	14:34
		IP111013-8MB	1	10/14/2011	14:36
		IP111013-8LCS	1	10/14/2011	14:38
- S		1110158-1	2	10/14/2011	14:40
- S		1110158-1DUP	2	10/14/2011	14:42
- S		1110158-1SER	10	10/14/2011	14:44
- S		1110158-1MS	2	10/14/2011	14:46
- S		1110158-1MSD	2	10/14/2011	14:47
- S		1110158-2	2	10/14/2011	14:49
- S		1110158-3	2	10/14/2011	14:51
		CCV8	1	10/14/2011	14:53
		CCB8	1	10/14/2011	14:55
+ Ca		1110158-4	2	10/14/2011	14:57
+ Ca		1110158-5	2	10/14/2011	14:59
+ Ca		1110158-6	2	10/14/2011	15:01
- S		1110158-7	2	10/14/2011	15:02
- S		1110158-8	2	10/14/2011	15:04
- S		1110158-9	2	10/14/2011	15:06
- S		1110158-10	2	10/14/2011	15:08
- S		1110158-11	2	10/14/2011	15:10
- S		1110158-12	2	10/14/2011	15:12
		IP111013-9MB	1	10/14/2011	15:13

Data Package ID: IT1110046-1

ICPTrace2 Run Log -- 10/14/2011

Instrument ID: ICPTrace2
File Name: 111014A.
AnalRunID: IT111014-2A1
CalibRefID: IT111014-2A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		CCV9	1	10/14/2011	15:15
		CCB9	1	10/14/2011	15:17
		IP111013-9LCS	1	10/14/2011	15:19
- S		1110158-13	2	10/14/2011	15:21
- S		1110158-13DUP	2	10/14/2011	15:23
- S		1110158-13SER	10	10/14/2011	15:25
- S		1110158-13MS	2	10/14/2011	15:27
- S		1110158-13MSD	2	10/14/2011	15:29
- S		1110158-14	2	10/14/2011	15:30
- S		1110158-15	2	10/14/2011	15:32
+ Ca		1110158-16	2	10/14/2011	15:34
+ Ca		1110158-17	2	10/14/2011	15:36
		CCV10	1	10/14/2011	15:38
		CCB10	1	10/14/2011	15:40
+ Ca		1110158-18	2	10/14/2011	15:42
- S		1110158-19	2	10/14/2011	15:44
- S		1110158-20	2	10/14/2011	15:45
- S		1110158-21	2	10/14/2011	15:47
- S		1110158-22	2	10/14/2011	15:49
- S		1110158-23	2	10/14/2011	15:51
- S		1110158-24	2	10/14/2011	15:53
- Ca,S		1110158-4	1	10/14/2011	15:55
- Ca,S		1110158-5	1	10/14/2011	15:57
- Ca,S		1110158-6	1	10/14/2011	15:59
		CCV11	1	10/14/2011	16:02
		CCB11	1	10/14/2011	16:04
- Ca,S		1110158-16	1	10/14/2011	16:06
- Ca,S		1110158-17	1	10/14/2011	16:08
- Ca,S		1110158-18	1	10/14/2011	16:10
		ZZZ	1	10/14/2011	16:12
		ZZZ	1	10/14/2011	16:13
		CRI2	1	10/14/2011	16:17
		ICSA2	1	10/14/2011	16:19
		ICSAB2	1	10/14/2011	16:23
		CCV12	1	10/14/2011	16:25

Data Package ID: IT1110046-1

ICPTrace2 Run Log -- 10/14/2011

Instrument ID: ICPTrace2
File Name: 111014A.
AnalRunID: IT111014-2A1
CalibRefID: IT111014-2A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		CCB12	1	10/14/2011	16:27

Data Package ID: IT1110046-1

Metals by 200.8

Method EPA200.8 Revision 5.4

Method Blank

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: F111011-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 13-Oct-11
Date Analyzed: 17-Oct-11

Prep Batch: IP111013-7
QCBatchID: IP111013-7-2
Run ID: IM111017-11A2
Cleanup: NONE
Basis: N/A
File Name: 016SMPL.

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	10	0.012	0.05	0.012	U	
7440-36-0	ANTIMONY	10	-0.00014	0.0003	0.000041	B	
7440-38-2	ARSENIC	10	0.000064	0.002	0.000064	U	
7440-39-3	BARIUM	10	0.00017	0.001	0.00017	U	
7440-43-9	CADMIUM	10	0.000037	0.0003	0.000037	U	
7440-45-1	CERIUM	10	0.00014	0.0003	0.000012	B	
7440-48-4	COBALT	10	0.00005	0.001	0.000044	B	
7440-50-8	COPPER	10	-0.00066	0.01	0.00026	B	
7439-91-0	LANTHANUM	10	0.00006	0.0003	0.000023	B	
7439-92-1	LEAD	10	0.00004	0.0005	0.000036	B	
7439-96-5	MANGANESE	10	0.00021	0.002	0.00021	U	
7439-98-7	MOLYBDENUM	10	0.00012	0.001	0.000072	B	
7440-00-8	NEODYMIUM	10	0.000033	0.0003	0.000033	U	
7440-10-0	PRASEODYMIUM	10	0.00002	0.0003	0.00002	U	
7782-49-2	SELENIUM	10	0.00016	0.001	0.00016	U	
7440-22-4	SILVER	10	0.000014	0.0001	0.000014	U	
7440-23-5	SODIUM	10	-0.083	1	0.02	B	
7440-24-6	STRONTIUM	10	0.00017	0.001	0.00017	U	
7440-28-0	THALLIUM	10	0.000015	0.0002	0.000015	U	
7440-29-1	THORIUM	10	0.000027	0.0002	0.000027	U	
7440-61-1	URANIUM	10	0.00003	0.0001	0.00003	U	
7440-65-5	YTTRIUM	10	0.000043	0.0003	0.000043	U	
7440-66-6	ZINC	10	0.004	0.02	0.0024	B	

Data Package ID: *IM1110046-1*

Metals by 200.8

Method EPA200.8 Revision 5.4

Laboratory Control Sample

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: FM111011-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/13/2011
Date Analyzed: 10/17/2011
Prep Method: EPA200.22.8

Prep Batch: IP111013-7
QCBatchID: IP111013-7-2
Run ID: IM111017-11A2
Cleanup: NONE
Basis: N/A
File Name: 019SMPL.

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
7429-90-5	ALUMINUM	5	4.77	0.05		95	85 - 115%
7440-36-0	ANTIMONY	0.03	0.03	0.0003		100	85 - 115%
7440-38-2	ARSENIC	0.1	0.0995	0.002		99	85 - 115%
7440-39-3	BARIUM	0.1	0.105	0.001		105	85 - 115%
7440-43-9	CADMIUM	0.03	0.032	0.0003		107	85 - 115%
7440-45-1	CERIUM	0.03	0.0301	0.0003		100	85 - 115%
7440-48-4	COBALT	0.1	0.0999	0.001		100	85 - 115%
7440-50-8	COPPER	1	1.08	0.01		108	85 - 115%
7439-91-0	LANTHANUM	0.03	0.0292	0.0003		97	85 - 115%
7439-92-1	LEAD	0.05	0.0539	0.0005		108	85 - 115%
7439-96-5	MANGANESE	0.2	0.203	0.002		102	85 - 115%
7439-98-7	MOLYBDENUM	0.1	0.1	0.001		100	85 - 115%
7440-00-8	NEODYMIUM	0.03	0.0297	0.0003		99	85 - 115%
7440-10-0	PRASEODYMIUM	0.03	0.0298	0.0003		99	85 - 115%
7782-49-2	SELENIUM	0.1	0.103	0.001		103	85 - 115%
7440-22-4	SILVER	0.01	0.0107	0.0001		107	85 - 115%
7440-23-5	SODIUM	10	10.2	1		102	85 - 115%
7440-24-6	STRONTIUM	0.1	0.1	0.001		100	85 - 115%
7440-28-0	THALLIUM	0.002	0.00213	0.0002		107	85 - 115%
7440-29-1	THORIUM	0.01	0.0102	0.0002		102	85 - 115%
7440-61-1	URANIUM	0.01	0.0102	0.0001		102	85 - 115%
7440-65-5	YTTRIUM	0.03	0.028	0.0003		93	85 - 115%
7440-66-6	ZINC	2	1.85	0.02		93	85 - 115%

Data Package ID: *IM1110046-1*

Prep Batch ID: IP111013-7

Start Date: 10/13/11
Start Time: 16:00
Prep Analyst: Brent A. Stanfield

End Date: 10/13/11
End Time: 20:00

Concentration Method: NONE
Extract Method: EPA200.22.8
Initial Volume Units: g
Final Volume Units: g

Batch Created By: bas
Date Created: 10/13/11
Time Created: 15:47
Validated By: bas
Date Validated: 10/13/11
Time Validated: 16:33

Comments:

QC Batch ID: IP111013-7-2

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
F111011-1	MB	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110041
FM111011-1	LCS	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110041
1110041-3	MS	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110041
1110041-3	MSD	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110041
1110041-3	DUP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110041
1110041-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110041
1110041-3	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110041
1110046-1	SMP	705323 Dahl	WATER	10/4/2011	50	50	NONE	1	1110046
1110046-2	SMP	705323 Dahl	WATER	10/4/2011	50	50	NONE	1	1110046
1110062-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110062
1110062-3	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110062
1110079-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110079
1110079-3	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1110079

QC Types

CAR	Carrier reference sample		DUP	Laboratory Duplicate
LCS	Laboratory Control Sample		LCSD	Laboratory Control Sample Duplicat
MB	Method Blank		MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate		REP	Sample replicate
RVS	Reporting Level Verification Standar		SMP	Field Sample
SYS	Sample Yield Spike			

Metals by 200.8

Method EPA200.8

Calibration Verifications

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: ICV

QC Type: Initial Calibration

File Name: 008SMPL.

Run ID: IM111017-11A2

Date Analyzed: 10/17/2011

Time Analyzed: 17:19

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	1	0.999	0.005		100	90 - 110%
7440-36-0	ANTIMONY	0.006	0.00569	0.00003		95	90 - 110%
7440-38-2	ARSENIC	0.02	0.0190	0.0002		95	90 - 110%
7440-39-3	BARIUM	0.02	0.0199	0.0001		100	90 - 110%
7440-43-9	CADMIUM	0.006	0.00600	0.00003		100	90 - 110%
7440-45-1	CERIUM	0.006	0.00580	0.00003		97	90 - 110%
7440-48-4	COBALT	0.02	0.0192	0.0001		96	90 - 110%
7440-50-8	COPPER	0.2	0.210	0.001		105	90 - 110%
7439-91-0	LANTHANUM	0.006	0.00573	0.00003		95	90 - 110%
7439-92-1	LEAD	0.01	0.0100	0.00005		100	90 - 110%
7439-96-5	MANGANESE	0.04	0.0400	0.0002		100	90 - 110%
7439-98-7	MOLYBDENUM	0.02	0.0187	0.0001		93	90 - 110%
7440-00-8	NEODYMIUM	0.006	0.00575	0.00003		96	90 - 110%
7440-10-0	PRASEODYMIUM	0.006	0.00568	0.00003		95	90 - 110%
7782-49-2	SELENIUM	0.02	0.0202	0.0001		101	90 - 110%
7440-22-4	SILVER	0.002	0.00195	0.00001		97	90 - 110%
7440-23-5	SODIUM	20	20.6	0.1		103	90 - 110%
7440-24-6	STRONTIUM	0.02	0.0193	0.0001		97	90 - 110%
7440-28-0	THALLIUM	0.0004	0.000404	0.00002		101	90 - 110%
7440-29-1	THORIUM	0.002	0.00182	0.00002		91	90 - 110%
7440-61-1	URANIUM	0.002	0.00192	0.00001		96	90 - 110%
7440-65-5	YTTRIUM	0.006	0.00554	0.00003		92	90 - 110%
7440-66-6	ZINC	0.4	0.365	0.002		91	90 - 110%

Data Package ID: *IM1110046-1*

Metals by 200.8

Method EPA200.8

Calibration Verifications

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCV1

QC Type: Continuing Calibration

File Name: 020SMPL.

Run ID: IM111017-11A2

Date Analyzed: 10/17/2011

Time Analyzed: 18:15

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	0.5	0.492	0.005		98	90 - 110%
7440-36-0	ANTIMONY	0.003	0.00296	0.00003		99	90 - 110%
7440-38-2	ARSENIC	0.01	0.00971	0.0002		97	90 - 110%
7440-39-3	BARIUM	0.01	0.0104	0.0001		104	90 - 110%
7440-43-9	CADMIUM	0.003	0.00307	0.00003		102	90 - 110%
7440-45-1	CERIUM	0.003	0.00307	0.00003		102	90 - 110%
7440-48-4	COBALT	0.01	0.00975	0.0001		98	90 - 110%
7440-50-8	COPPER	0.1	0.107	0.001		107	90 - 110%
7439-91-0	LANTHANUM	0.003	0.00292	0.00003		97	90 - 110%
7439-92-1	LEAD	0.005	0.00512	0.00005		102	90 - 110%
7439-96-5	MANGANESE	0.02	0.0194	0.0002		97	90 - 110%
7439-98-7	MOLYBDENUM	0.01	0.00967	0.0001		97	90 - 110%
7440-00-8	NEODYMIUM	0.003	0.00299	0.00003		100	90 - 110%
7440-10-0	PRASEODYMIUM	0.003	0.00290	0.00003		97	90 - 110%
7782-49-2	SELENIUM	0.01	0.00999	0.0001		100	90 - 110%
7440-22-4	SILVER	0.001	0.00103	0.00001		103	90 - 110%
7440-23-5	SODIUM	10	10.0	0.1		100	90 - 110%
7440-24-6	STRONTIUM	0.01	0.00989	0.0001		99	90 - 110%
7440-28-0	THALLIUM	0.0002	0.000200	0.00002		100	90 - 110%
7440-29-1	THORIUM	0.001	0.000981	0.00002		98	90 - 110%
7440-61-1	URANIUM	0.001	0.000996	0.00001		100	90 - 110%
7440-65-5	YTTRIUM	0.003	0.00283	0.00003		94	90 - 110%
7440-66-6	ZINC	0.2	0.196	0.002		98	90 - 110%

Data Package ID: *IM1110046-1*

Metals by 200.8

Method EPA200.8

Calibration Verifications

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCV2

QC Type: Continuing Calibration

File Name: 032SMPL.

Run ID: IM111017-11A2

Date Analyzed: 10/17/2011

Time Analyzed: 19:02

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	0.5	0.498	0.005		100	90 - 110%
7440-36-0	ANTIMONY	0.003	0.00298	0.00003		99	90 - 110%
7440-38-2	ARSENIC	0.01	0.00995	0.0002		99	90 - 110%
7440-39-3	BARIUM	0.01	0.0102	0.0001		102	90 - 110%
7440-43-9	CADMIUM	0.003	0.00303	0.00003		101	90 - 110%
7440-45-1	CERIUM	0.003	0.00312	0.00003		104	90 - 110%
7440-48-4	COBALT	0.01	0.0100	0.0001		100	90 - 110%
7440-50-8	COPPER	0.1	0.109	0.001		109	90 - 110%
7439-91-0	LANTHANUM	0.003	0.00296	0.00003		99	90 - 110%
7439-92-1	LEAD	0.005	0.00509	0.00005		102	90 - 110%
7439-96-5	MANGANESE	0.02	0.0199	0.0002		100	90 - 110%
7439-98-7	MOLYBDENUM	0.01	0.00969	0.0001		97	90 - 110%
7440-00-8	NEODYMIUM	0.003	0.00300	0.00003		100	90 - 110%
7440-10-0	PRASEODYMIUM	0.003	0.00288	0.00003		96	90 - 110%
7782-49-2	SELENIUM	0.01	0.00996	0.0001		100	90 - 110%
7440-22-4	SILVER	0.001	0.00104	0.00001		104	90 - 110%
7440-23-5	SODIUM	10	10.4	0.1		104	90 - 110%
7440-24-6	STRONTIUM	0.01	0.00996	0.0001		100	90 - 110%
7440-28-0	THALLIUM	0.0002	0.000198	0.00002		99	90 - 110%
7440-29-1	THORIUM	0.001	0.000986	0.00002		99	90 - 110%
7440-61-1	URANIUM	0.001	0.00100	0.00001		100	90 - 110%
7440-65-5	YTTRIUM	0.003	0.00293	0.00003		98	90 - 110%
7440-66-6	ZINC	0.2	0.200	0.002		100	90 - 110%

Data Package ID: *IM1110046-1*

Metals by 200.8

Method EPA200.8

Calibration Blanks

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: ICB

QC Type: Initial Calibration

Run ID: IM111017-11A2

Date Analyzed: 10/17/2011

Time Analyzed: 5:27:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.000694	0.005	U
7440-36-0	ANTIMONY	0.0000117	0.00003	U
7440-38-2	ARSENIC	0.000016	0.0002	B
7440-39-3	BARIUM	0.0000221	0.0001	U
7440-43-9	CADMIUM	0.0000115	0.00003	U
7440-45-1	CERIUM	0.000015	0.00003	B
7440-48-4	COBALT	9.95E-06	0.0001	U
7440-50-8	COPPER	0.000125	0.001	U
7439-91-0	LANTHANUM	0.00001	0.00003	B
7439-92-1	LEAD	6.82E-06	0.00005	U
7439-96-5	MANGANESE	0.0000185	0.0002	U
7439-98-7	MOLYBDENUM	0.0000321	0.0001	U
7440-00-8	NEODYMIUM	6.46E-06	0.00003	U
7440-10-0	PRASEODYMIUM	3.97E-06	0.00003	U
7782-49-2	SELENIUM	0.0000325	0.0001	U
7440-22-4	SILVER	1.69E-06	0.00001	U
7440-23-5	SODIUM	0.00953	0.1	U
7440-24-6	STRONTIUM	7.66E-06	0.0001	U
7440-28-0	THALLIUM	0.000007	0.00002	B
7440-29-1	THORIUM	3.46E-06	0.00002	U
7440-61-1	URANIUM	2.92E-06	0.00001	U
7440-65-5	YTTRIUM	2.69E-06	0.00003	U
7440-66-6	ZINC	0.000346	0.002	B

Data Package ID: *IM1110046-1*

Metals by 200.8

Method EPA200.8

Calibration Blanks

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCB1

QC Type: Continuing Calibration

Run ID: IM111017-11A2

Date Analyzed: 10/17/2011

Time Analyzed: 6:18:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.000945	0.005	B
7440-36-0	ANTIMONY	0.0000117	0.00003	U
7440-38-2	ARSENIC	0.0000148	0.0002	U
7440-39-3	BARIUM	0.000023	0.0001	B
7440-43-9	CADMIUM	0.0000115	0.00003	U
7440-45-1	CERIUM	0.000011	0.00003	B
7440-48-4	COBALT	9.95E-06	0.0001	U
7440-50-8	COPPER	0.000125	0.001	U
7439-91-0	LANTHANUM	3.17E-06	0.00003	U
7439-92-1	LEAD	6.82E-06	0.00005	U
7439-96-5	MANGANESE	0.0000185	0.0002	U
7439-98-7	MOLYBDENUM	0.0000321	0.0001	U
7440-00-8	NEODYMIUM	6.46E-06	0.00003	U
7440-10-0	PRASEODYMIUM	3.97E-06	0.00003	U
7782-49-2	SELENIUM	0.0000325	0.0001	U
7440-22-4	SILVER	1.69E-06	0.00001	U
7440-23-5	SODIUM	0.00953	0.1	U
7440-24-6	STRONTIUM	0.000018	0.0001	B
7440-28-0	THALLIUM	0.000008	0.00002	B
7440-29-1	THORIUM	0.000005	0.00002	B
7440-61-1	URANIUM	2.92E-06	0.00001	U
7440-65-5	YTTRIUM	2.69E-06	0.00003	U
7440-66-6	ZINC	0.000445	0.002	B

Data Package ID: *IM1110046-1*

Metals by 200.8

Method EPA200.8

Calibration Blanks

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: CCB2

QC Type: Continuing Calibration

Run ID: IM111017-11A2

Date Analyzed: 10/17/2011

Time Analyzed: 7:06:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.000694	0.005	U
7440-36-0	ANTIMONY	0.0000117	0.00003	U
7440-38-2	ARSENIC	0.0000148	0.0002	U
7440-39-3	BARIUM	0.0000221	0.0001	U
7440-43-9	CADMIUM	0.0000115	0.00003	U
7440-45-1	CERIUM	3.17E-06	0.00003	U
7440-48-4	COBALT	9.95E-06	0.0001	U
7440-50-8	COPPER	0.000125	0.001	U
7439-91-0	LANTHANUM	3.17E-06	0.00003	U
7439-92-1	LEAD	6.82E-06	0.00005	U
7439-96-5	MANGANESE	0.0000185	0.0002	U
7439-98-7	MOLYBDENUM	0.0000321	0.0001	U
7440-00-8	NEODYMIUM	6.46E-06	0.00003	U
7440-10-0	PRASEODYMIUM	3.97E-06	0.00003	U
7782-49-2	SELENIUM	0.0000325	0.0001	U
7440-22-4	SILVER	1.69E-06	0.00001	U
7440-23-5	SODIUM	0.00953	0.1	U
7440-24-6	STRONTIUM	0.000017	0.0001	B
7440-28-0	THALLIUM	0.000005	0.00002	B
7440-29-1	THORIUM	0.000005	0.00002	B
7440-61-1	URANIUM	2.92E-06	0.00001	U
7440-65-5	YTTRIUM	2.69E-06	0.00003	U
7440-66-6	ZINC	0.000422	0.002	B

Data Package ID: *IM1110046-1*

Metals by 200.8

Method EPA200.8

ICP Interference Check Sample

Lab Name: **ALS Environmental -- FC**

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Run ID: IM111017-11A2

Date Analyzed: 10/17/2011

Result Units: MG/L

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7429-90-5	ALUMINUM	10	10.5	9.29	10	95
7440-36-0	ANTIMONY		0.003		0.00304	101
7440-38-2	ARSENIC		0.01		0.0101	101
7440-39-3	BARIUM		0.01		0.0105	105
7440-43-9	CADMIUM		0.003		0.00304	101
7440-45-1	CERIUM		0.003		0.00296	99
7440-48-4	COBALT		0.01		0.0101	101
7440-50-8	COPPER		0.1		0.106	106
7439-91-0	LANTHANUM		0.003		0.00288	96
7439-92-1	LEAD		0.005		0.00528	106
7439-96-5	MANGANESE		0.02		0.021	105
7439-98-7	MOLYBDENUM	0.2	0.21	0.189	0.20100	96
7440-00-8	NEODYMIUM		0.003		0.0029	97
7440-10-0	PRASEODYMIUM		0.003		0.00287	96
7782-49-2	SELENIUM		0.01		0.0105	105
7440-22-4	SILVER		0.001		0.00101	101
7440-23-5	SODIUM	25	35	25.4	35	100
7440-24-6	STRONTIUM		0.01		0.0112	112
7440-28-0	THALLIUM		0.0002		0.0002	99
7440-29-1	THORIUM		0.001		0.00102	102
7440-61-1	URANIUM		0.001		0.00101	101
7440-65-5	YTTRIUM		0.003		0.00295	98
7440-66-6	ZINC		0.2		0.21500	107

Data Package ID: *IM1110046-1*

Metals Linear Ranges

Lab Name: ALS Environmental -- FC
Work Order Number: 1110046
Client Name: Colorado Oil & Gas Conservation Commission
ClientProject ID: Complaint 200323492

Instrument ID: ICPMS2
Active Date: 04/01/2010
Expiration Date: 04/01/2015

CASNO	Target Analyte	Concentration (ppm)
7429-90-5	ALUMINUM	50
7440-36-0	ANTIMONY	0.3
7440-38-2	ARSENIC	1
7440-39-3	BARIUM	1
7440-41-7	BERYLLIUM	0.5
7440-42-8	BORON	10
7440-43-9	CADMIUM	0.3
7440-70-2	CALCIUM	500
7440-45-1	CERIUM	0.3
7440-47-3	CHROMIUM	5
7440-48-4	COBALT	1
7440-50-8	COPPER	10
7439-89-6	IRON	50
7439-91-0	LANTHANUM	0.3
7439-92-1	LEAD	0.5
7439-93-2	LITHIUM	10
7439-95-4	MAGNESIUM	100
7439-96-5	MANGANESE	2
7439-98-7	MOLYBDENUM	1
7440-00-8	NEODYMIUM	0.3
7440-02-0	NICKEL	5
7440-09-7	POTASSIUM	500
7440-10-0	PRASEODYMIUM	0.3
7782-49-2	SELENIUM	1
7440-22-4	SILVER	0.1
7440-23-5	SODIUM	1000
7440-24-6	STRONTIUM	1
7440-28-0	THALLIUM	0.02
7440-29-1	THORIUM	0.1
7440-61-1	URANIUM	0.1

Metals Linear Ranges

Lab Name: **ALS Environmental -- FC**

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Instrument ID: ICPMS2

Active Date: 04/01/2010

Expiration Date: 04/01/2015

7440-62-2	VANADIUM	1
7440-65-5	YTTRIUM	0.3
7440-66-6	ZINC	20

ICPMS2 Run Log -- 10/17/2011

Instrument ID: ICPMS2
File Name: 003CALB.
AnalRunID: IM111017-11A1
CalibRefID: IM111017-11A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		blank	1	10/17/2011	16:57
		H/1000	1	10/17/2011	17:01
		H/100	1	10/17/2011	17:05
		H/10	1	10/17/2011	17:08
		HIGH	1	10/17/2011	17:12
		ICV	1	10/17/2011	17:19
		ICB	1	10/17/2011	17:27
		CRI1	1	10/17/2011	17:30
		CRI2	1	10/17/2011	17:34
		ICSA1	1	10/17/2011	17:38
		ICSAB1	1	10/17/2011	17:41
		ZZZZZZ	1	10/17/2011	17:49
		IP111014-2MB	10	10/17/2011	17:53
		F111011-1MB	10	10/17/2011	17:56
		FM111011-1	10	10/17/2011	18:00
		IM111014-2LCS	10	10/17/2011	18:04
		FM111011-1LCS	10	10/17/2011	18:07
		CCV1	1	10/17/2011	18:15
		CCB1	1	10/17/2011	18:18
		1110041-1	10	10/17/2011	18:22
		1110041-3	10	10/17/2011	18:26
		1110041-3DUP	10	10/17/2011	18:29
		1110041-3SER	50	10/17/2011	18:33
		1110041-3MS	10	10/17/2011	18:37
		1110041-3MSD	10	10/17/2011	18:40
	705323 Dahl	1110046-1	10	10/17/2011	18:44
	705323 Dahl	1110046-2	10	10/17/2011	18:48
		1110062-1	10	10/17/2011	18:51
		1110062-3	10	10/17/2011	18:55
		CCV2	1	10/17/2011	19:02
		CCB2	1	10/17/2011	19:06
		1110079-1	10	10/17/2011	19:10
		1110079-3	10	10/17/2011	19:13
		1109031-9	10	10/17/2011	19:17
		ZZZZZZ	1	10/17/2011	19:24

Data Package ID: IM1110046-1

ALS Environmental -- FC
LIMS Version: 6.538

Date Printed: Wednesday, October 26, 2011

ICPMS2 Run Log -- 10/17/2011

Instrument ID: ICPMS2
File Name: 038SMPL.
AnalRunID: IM111017-11A1
CalibRefID: IM111017-11A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		ZZZZZZ	1	10/17/2011	19:28
		ZZZZZZ	1	10/17/2011	19:35
		ZZZZZZ	1	10/17/2011	19:39
		CCV3	1	10/17/2011	19:43
		CCB3	1	10/17/2011	19:47

Data Package ID: IM1110046-1

Raw Data

HEADER INFORMATION FOR ANALYTICAL SEQUENCE 111014A
Analyst: Michael Lundgreen

STANDARD SOLUTION CODES

Stock A (ST110701-1) Exp.6-30-2012

Element	ug/ml
Al, Ca, Mg	1000
K	500
Na	300
Fe	400
Li	20

Standard	Dilution	Procedure
A1	1/2 of Stock A	5ml of Stock A to 10ml final volume.
A2	1/2.5 of Stock A	2ml of Stock A to a 5ml final volume.
A3	1/5 of Stock A	1ml of Stock A to a 5ml final volume.
A4	1/10 of A1	1ml of Standard A1 up to a 10ml final volume.
A5	1/10 of A4	1ml of Standard A4 up to a 10ml final volume.

Stock B (ST100625-8) Exp. 2-28-15

Element	ug/ml
P, Si	100
B, Ba, Cr, Cu, Mn, Mo, Ni, Pb, Sn, Sr, Ti ,Zn	20
As, Cd, Co, Se, Tl, V	10
Sb	4
Be	2

Stock Ag- 1000 ug/ml (ST100407-4) Exp. 2-28-15
Stock Th – 1000 ug/ml (ST100407-5) Exp. 2-28-15

The following dilutions of Stock Ag and Stock Th are made to provide the daily calibration Standards.

Standard	Dilution	Procedure
B1	1/2 of Stock B 1/500 Ag and 1/500 Th	5ml of Stock B, 0.02ml of Stock Ag and 0.02ml of Stock Th up to a 10ml final volume.
B2	1/10 of B1	1.0ml of Standard B1 up to a 10ml final volume.
B3	1/10 of B2	1.0ml of Standard B2 up to a 10ml final volume.

Stock C (ST100625-9) Exp. 6-30-15

Element	ug/ml
S, U	100
Bi, Zr	10

Standard	Dilution	Procedure
C1	1/2 of Stock C	5ml of Stock C up to a 10ml final volume.
C2	1/10 of C1	1.0ml of Standard C1 up to a 10ml final volume.
C3	1/10 of C2	1.0ml of Standard C2 up to a 10ml final volume.

RL STD (Reporting Limit Standard) Intermediate.
(ST100301-54) Exp. 2-28-15

Element	ug/ml
K, Na	500
Ca, Mg	200
Al, U	100
B, Fe, P, S, Si	50
Li, Mo, Sn, Sr, Ti	10
Sb	8
Ni, As, Bi, Se, Tl, Zn, Zr	5
Pb	3
Ag, Ba, Co, Cr, Cu, Mn, V, Th	2
Be, Cd	1

RL STD (working standard) made daily by diluting the intermediate above 1000 fold. This working standard has concentration levels at the normal ALS-FC reporting limits for all elements except Ca, Mg and Na, K which are at 0.2ppm and 0.5ppm; this is below the normal ALS-FC reporting limit.

RL2 (working standard) made daily by diluting the intermediate above 333 fold.

Blank Solution

Double D.I. water, 3% HNO_3 and 5%HCl
Used for Std. Blank, ICB and CCB

CCV (ST110818-5) Exp. 6-20-12

Element	ug/ml
Al, Ca, Mg, K, Na	50
Fe	20
U, P, S, Si	5
B, Ba, Cr, Cu, Mn, Mo, Ni, Pb, Se, Sn, Zn, Zr	1
As, Be, Bi, Cd, Co, Li, Sb, Sr, Ti, Tl, V	0.5
Ag, Th	0.2

ICV (ST110815-5) Exp. 6-20-12
Prepared daily by diluting the CCV (described above) ½.
The 1/2 dilution is made by diluting 5ml of the CCV to a 10ml final volume.
The resulting concentrations are:

Element	ug/ml
Al, Ca, Mg, K, Na	25
Fe	10
U, P, S, Si	2.5
B, Ba, Cr, Cu, Mn, Mo, Ni, Pb, Se, Sn, Zn, Zr	0.5
As, Be, Bi, Cd, Co, Li, Sb, Sr, Ti, Tl, V	0.25
Ag, Th	0.1

CRI (ST110105-13) Exp. 6-20-12
Made By diluting
1.0ml of CRI Stock (ST110105-4) Exp. 6-20-12
to a 100ml final volume.

Element	ug/ml
Ca, Mg, K, Na	5.0
Al, B, Ba	0.4
Fe, U, P, S	0.2
Sb	0.12
Co, Si,, Sn, V, Th	0.1
Ni	0.08
Cu, Bi, Zr	0.05
Zn	0.04
Mn	0.03
Ag, Cr, Li, Mo, Sr, Ti, Tl	0.02
Be, Cd, As, Se,	0.01
Pb	0.006

ICSA (ST110105-7) Exp. 6-20-12

Element	ug/ml
Ca, Mg, Al	250
Fe	100

ICSAB (ST110105-8) Exp. 6-20-12

Element	ug/ml
Ca, Mg, Al	250
Fe	100
U	10

Sb	0.6
Ba, Be, Co, V, Cr, Cu, Mn, Bi, Zr	0.5
Ag	0.2
As, Tl	0.1
Se, Pb, Th	0.05

Pipette ID Numbers

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

Acid Lot Numbers

HCl – J35042
HNO_3 – J41037

Inter Element Correction Information

The following table summarizes spectral interferences that have been identified and for which IEC's are used. If a sample contains a concentration of an interfering element that 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 analytical range.

Interfering Element (ug/ml)	Affected Element
Al (500)	Pb
Mg (500)	Th
Fe (200)	Se, Tl, V, Pb, U
Si (50)	Zr
U (50)	Al, Cr, Cu, Bi, Pb, Mg, Se, Ag, Tl, Si
Ba (10)	Co
Cr (10)	Sb
Cu (10)	Bi
Mn (10)	Tl
Mo (10)	Al, Si, Pb,, Sb
Ti (10)	Co, Bi, Si, Sn, Tl, Pb, Zr
As (5)	Cd
V (5)	Al, Be, Tl
Zr (5)	Ag

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

Element	Concentration	Element	Concentration	Element	Concentration
K	500	Se	10		
Na	500	Pb	10	Li	5
Ca	500	Zn	10	Cd	5
P	50	Sr	10	Co	5
S	50	Sn	10	Ag	2
Ni	10	Bi	5	Sb	2
B	10	Tl	5	Be	1

2X – Dilution made by diluting 2.5ml of sample up to a 5ml final volume.
3X - Dilution made by diluting 2.0ml of sample up to a 6ml final volume.
4X - Dilution made by diluting 2.0ml of sample up to a 8ml final volume.
5X - Dilution made by diluting 1.0ml of sample to a 5ml final volume.
10X - Dilution made by diluting 0.5ml of sample to a 5ml final volume.
20X – Dilution made by diluting 0.25ml of sample to a 5ml final volume.
25X – Dilution made by diluting 0.2ml of sample to a 5ml final volume.

100X – Dilution made by diluting 0.05ml of sample to a 5ml final volume.
500X – Dilution made by diluting 0.02ml of sample to a 10ml final volume.
1000X – Dilution made by diluting a 10X dilution 100X.

Analytical Spikes

1110041-1 was post spiked for K by spiking 0.1mL ST110902-3 onto 4.9ml sample, 5.0mL final volume.

Comments

1. Please see run log and work orders for elements of interest.

Daily Maintenance

1. Check/ Change Peristaltic pump tubing.
2. Check the torch for deposits, clean if necessary.
3. Check/ Empty drain water.

Daily Maintenance done by MTL .

Monthly Maintenance

1. Check/Clean nebulizer and spray chamber.
2. Clean air filters
3. Check/Clean entrance slit.
4. Fill water recirculating reservoir.

Monthly maintenance done by: MTL 09-29-2011.

Major problems / adjustments / repairs recorded in the ICP Maintenance Log (3716).

ICPTrace2 Run Log -- 10/14/2011

Instrument ID: ICPTrace2
File Name: 111014A.
AnalRunID: IT111014-2A1
CalibRefID: IT111014-2A1

Comment	Inst Sample Name	Lab ID	DF	Date Analyzed	Time Analyzed
	MIXBHIGH	MIXBHIGH	1	10/14/2011	11:32
	MIXAHIGH	MIXAHIGH	1	10/14/2011	11:34
	MIXCHIGH	MIXCHIGH	1	10/14/2011	11:36
	ICV	ICV	1	10/14/2011	11:59
	ICB	ICB	1	10/14/2011	12:01
	CRI	CRI1	1	10/14/2011	12:03
	ICSA	ICSA1	1	10/14/2011	12:05
	ZZZ	ZZZ	1	10/14/2011	12:09
	ICSAB	ICSAB1	1	10/14/2011	12:11
	CCV	CCV1	1	10/14/2011	12:16
	CCB	CCB1	1	10/14/2011	12:18
	F111011-1MB	F111011-1MB	1	10/14/2011	12:20
	F111011-1RVS	F111011-1	1	10/14/2011	12:22
	F111011-1LCS	F111011-1LCS	1	10/14/2011	12:24
- Na	1110041-1	1110041-1	1	10/14/2011	12:26
- Na	1110041-3	1110041-3	1	10/14/2011	12:27
- Na	1110041-3D	1110041-3DUP	1	10/14/2011	12:29
- Na	1110041-3L 5X	1110041-3SER	5	10/14/2011	12:31
- Na	1110041-3MS	1110041-3MS	1	10/14/2011	12:35
- Na	1110041-3MSD	1110041-3MSD	1	10/14/2011	12:36
	1110046-1	1110046-1	1	10/14/2011	12:38
	CCV	CCV2	1	10/14/2011	12:40
	CCB	CCB2	1	10/14/2011	12:42
	1110046-2	1110046-2	1	10/14/2011	12:44
- Na,S	1110062-1	1110062-1	1	10/14/2011	12:46
- Na,S	1110062-3	1110062-3	1	10/14/2011	12:48
	1110079-1	1110079-1	1	10/14/2011	12:49
	1110079-3	1110079-3	1	10/14/2011	12:51
	1110106-1	1110106-1	1	10/14/2011	12:53
	EX111012-13MB	EX111012-13MB	1	10/14/2011	12:55
	EX111012-13RVS	EX111012-13	1	10/14/2011	12:57
- Na	EX111012-13LCS	EX111012-13LCS	1	10/14/2011	12:58
- Na	1110002-14	1110002-14	1	10/14/2011	13:00
	CCV	CCV3	1	10/14/2011	13:02
	CCB	CCB3	1	10/14/2011	13:04

Data Package ID:

ICPTrace2 Run Log -- 10/14/2011

Instrument ID: ICPTrace2
File Name: 111014A.
AnalRunID: IT111014-2A1
CalibRefID: IT111014-2A1

Comment	Inst Sample Name	Lab ID	DF	Date Analyzed	Time Analyzed
- Na	1110002-15	1110002-15	1	10/14/2011	13:06
- Na	1110002-16	1110002-16	1	10/14/2011	13:08
- Na	1110002-17	1110002-17	1	10/14/2011	13:09
	1110002-18	1110002-18	1	10/14/2011	13:11
	1110002-21	1110002-21	1	10/14/2011	13:13
	1110002-24	1110002-24	1	10/14/2011	13:15
	1110002-24D	1110002-24DUP	1	10/14/2011	13:17
	1110002-24L 5X	1110002-24SER	5	10/14/2011	13:18
	1110002-24MS	1110002-24MS	1	10/14/2011	13:20
	1110002-24MSD	1110002-24MSD	1	10/14/2011	13:22
	CCV	CCV4	1	10/14/2011	13:24
	CCB	CCB4	1	10/14/2011	13:26
	EX111012-12MB	EX111012-12MB	1	10/14/2011	13:28
	EX111012-12RVS	EX111012-12	1	10/14/2011	13:30
	EX111012-12LCS	EX111012-12LCS	1	10/14/2011	13:31
	1110002-13	1110002-13	1	10/14/2011	13:33
	1110002-13D	1110002-13DUP	1	10/14/2011	13:35
	1110002-13L 5X	1110002-13SER	5	10/14/2011	13:37
	1110002-13MS	1110002-13MS	1	10/14/2011	13:39
	1110002-13MSD	1110002-13MSD	1	10/14/2011	13:41
	1110002-19	1110002-19	1	10/14/2011	13:42
	1110002-20	1110002-20	1	10/14/2011	13:44
	CCV	CCV5	1	10/14/2011	13:46
	CCB	CCB5	1	10/14/2011	13:48
	1110002-22	1110002-22	1	10/14/2011	13:50
	1110002-23	1110002-23	1	10/14/2011	13:52
	EX111012-11MB	EX111012-11MB	1	10/14/2011	13:54
	EX111012-11RVS	EX111012-11	1	10/14/2011	13:55
	EX111012-11LCS	EX111012-11LCS	1	10/14/2011	13:57
	1109326-4	1109326-4	1	10/14/2011	13:59
	1109326-4D	1109326-4DUP	1	10/14/2011	14:01
	1109326-4L 5X	1109326-4SER	5	10/14/2011	14:03
	1109326-4MS	1109326-4MS	1	10/14/2011	14:05
	1109326-4MSD	1109326-4MSD	1	10/14/2011	14:07
	CCV	CCV6	1	10/14/2011	14:08

Data Package ID:

ICPTrace2 Run Log -- 10/14/2011

Instrument ID: ICPTrace2
File Name: 111014A.
AnalRunID: IT111014-2A1
CalibRefID: IT111014-2A1

Comment	Inst Sample Name	Lab ID	DF	Date Analyzed	Time Analyzed
	CCB	CCB6	1	10/14/2011	14:10
	1109326-5	1109326-5	1	10/14/2011	14:12
	1109326-6	1109326-6	1	10/14/2011	14:14
+ Na	1110041-1 5X	1110041-1	5	10/14/2011	14:16
+ Na	1110041-3 5X	1110041-3	5	10/14/2011	14:18
+ Na	1110041-3D 5X	1110041-3DUP	5	10/14/2011	14:20
+ Na	1110041-3L 25X	1110041-3SER	25	10/14/2011	14:21
+ Na	1110041-3MS 5X	1110041-3MS	5	10/14/2011	14:23
+ Na	1110041-3MSD 5X	1110041-3MSD	5	10/14/2011	14:25
+ K	1110041-3A	1110041-3A	1	10/14/2011	14:27
+ Na,S	1110062-1 5X	1110062-1	5	10/14/2011	14:29
	CCV	CCV7	1	10/14/2011	14:31
	CCB	CCB7	1	10/14/2011	14:33
+ Na,S	1110062-3 5X	1110062-3	5	10/14/2011	14:34
	IP111013-8MB	IP111013-8MB	1	10/14/2011	14:36
	IP111013-8LCS	IP111013-8LCS	1	10/14/2011	14:38
- S	1110158-1 2X	1110158-1	2	10/14/2011	14:40
- S	1110158-1D 2X	1110158-1DUP	2	10/14/2011	14:42
- S	1110158-1L 10X	1110158-1SER	10	10/14/2011	14:44
- S	1110158-1MS 2X	1110158-1MS	2	10/14/2011	14:46
- S	1110158-1MSD 2X	1110158-1MSD	2	10/14/2011	14:47
- S	1110158-2 2X	1110158-2	2	10/14/2011	14:49
- S	1110158-3 2X	1110158-3	2	10/14/2011	14:51
	CCV	CCV8	1	10/14/2011	14:53
	CCB	CCB8	1	10/14/2011	14:55
+ Ca	1110158-4 2X	1110158-4	2	10/14/2011	14:57
+ Ca	1110158-5 2X	1110158-5	2	10/14/2011	14:59
+ Ca	1110158-6 2X	1110158-6	2	10/14/2011	15:01
- S	1110158-7 2X	1110158-7	2	10/14/2011	15:02
- S	1110158-8 2X	1110158-8	2	10/14/2011	15:04
- S	1110158-9 2X	1110158-9	2	10/14/2011	15:06
- S	1110158-10 2X	1110158-10	2	10/14/2011	15:08
- S	1110158-11 2X	1110158-11	2	10/14/2011	15:10
- S	1110158-12 2X	1110158-12	2	10/14/2011	15:12
	IP111013-9MB	IP111013-9MB	1	10/14/2011	15:13

Data Package ID:

ICPTrace2 Run Log -- 10/14/2011

Instrument ID: ICPTrace2
File Name: 111014A.
AnalRunID: IT111014-2A1
CalibRefID: IT111014-2A1

Comment	Inst Sample Name	Lab ID	DF	Date Analyzed	Time Analyzed
	CCV	CCV9	1	10/14/2011	15:15
	CCB	CCB9	1	10/14/2011	15:17
	IP111013-9LCS	IP111013-9LCS	1	10/14/2011	15:19
- S	1110158-13 2X	1110158-13	2	10/14/2011	15:21
- S	1110158-13D 2X	1110158-13DUP	2	10/14/2011	15:23
- S	1110158-13L 10X	1110158-13SER	10	10/14/2011	15:25
- S	1110158-13MS 2X	1110158-13MS	2	10/14/2011	15:27
- S	1110158-13MSD 2X	1110158-13MSD	2	10/14/2011	15:29
- S	1110158-14 2X	1110158-14	2	10/14/2011	15:30
- S	1110158-15 2X	1110158-15	2	10/14/2011	15:32
+ Ca	1110158-16 2X	1110158-16	2	10/14/2011	15:34
+ Ca	1110158-17 2X	1110158-17	2	10/14/2011	15:36
	CCV	CCV10	1	10/14/2011	15:38
	CCB	CCB10	1	10/14/2011	15:40
+ Ca	1110158-18 2X	1110158-18	2	10/14/2011	15:42
- S	1110158-19 2X	1110158-19	2	10/14/2011	15:44
- S	1110158-20 2X	1110158-20	2	10/14/2011	15:45
- S	1110158-21 2X	1110158-21	2	10/14/2011	15:47
- S	1110158-22 2X	1110158-22	2	10/14/2011	15:49
- S	1110158-23 2X	1110158-23	2	10/14/2011	15:51
- S	1110158-24 2X	1110158-24	2	10/14/2011	15:53
- Ca,S	1110158-4	1110158-4	1	10/14/2011	15:55
- Ca,S	1110158-5	1110158-5	1	10/14/2011	15:57
- Ca,S	1110158-6	1110158-6	1	10/14/2011	15:59
	CCV	CCV11	1	10/14/2011	16:02
	CCB	CCB11	1	10/14/2011	16:04
- Ca,S	1110158-16	1110158-16	1	10/14/2011	16:06
- Ca,S	1110158-17	1110158-17	1	10/14/2011	16:08
- Ca,S	1110158-18	1110158-18	1	10/14/2011	16:10
	ZZZ	ZZZ	1	10/14/2011	16:12
	ZZZ	ZZZ	1	10/14/2011	16:13
	CRI	CRI2	1	10/14/2011	16:17
	ICSA	ICSA2	1	10/14/2011	16:19
	ICSAB	ICSAB2	1	10/14/2011	16:23
	CCV	CCV12	1	10/14/2011	16:25

Data Package ID:

ICPTrace2 Run Log -- 10/14/2011

Instrument ID: ICPTrace2
File Name: 111014A.
AnalRunID: IT111014-2A1
CalibRefID: IT111014-2A1

Comment	Inst Sample Name	Lab ID	DF	Date Analyzed	Time Analyzed
	CCB	CCB12	1	10/14/2011	16:27

Data Package ID:

Sample Id1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
MIXBHIGH	H2.00098	0.01412	4.98161	9.97054	9.88829	0.97432	-0.00125	-0.05250	H5.02590	4.93748	9.84544	H10.05005
MIXAHIGH	0.00005	494.72295	0.00248	-0.00277	0.00144	0.00124	0.00257	H500.48900	0.00017	0.00066	0.00188	-0.00697
MIXCHIGH	L-0.01021	0.31599	-0.00274	0.00982	-0.00068	0.00512	H5.12226	0.00288	-0.00115	0.00502	-0.00395	L-0.01189
ICV	0.09857	25.30769	0.25468	0.51079	0.51063	0.25497	0.25851	25.67439	0.25387	0.25623	0.52254	0.51081
ICB	-0.00025	-0.06397	-0.00006	-0.00679	-0.00013	-0.00033	-0.00255	-0.03550	-0.00025	-0.00070	-0.00063	-0.00073
CRI	0.02153	0.39013	0.01296	0.42407	0.43012	0.01226	0.05138	5.46911	0.01234	0.10721	0.02338	0.05368
ICSA	0.00012	270.27722	-0.00101	-0.00799	0.00020	0.00035	0.00692	273.30894	0.00038	0.00110	-0.00054	-0.00374
ZZZ	0.19669	213.05835	0.10195	1.02399	0.51177	0.49171	0.51924	271.56780	1.00130	0.48590	0.49277	0.53422
ICSAB	0.19734	214.37263	0.10362	1.03136	0.51629	0.49439	0.52608	272.49855	1.00347	0.48827	0.49386	0.53902
CCV	0.19838	51.27697	0.51514	1.03517	1.01833	0.50052	0.52174	51.43951	0.50953	0.50676	1.02881	1.03166
CCB	0.00016	-0.02065	0.00441	-0.00526	0.00018	-0.00005	-0.00054	-0.00626	-0.00013	-0.00016	0.00033	-0.00030
F111011-1MB	-0.00018	-0.04323	0.00117	-0.00739	-0.00015	-0.00014	-0.00079	-0.03209	-0.00016	-0.00029	-0.00020	-0.00069
F111011-1RVS	0.00885	1.00271	0.05347	0.04634	0.05180	0.01006	0.10356	5.20163	0.02059	0.02035	0.05342	0.05101
F111011-1LCS	0.09826	2.08429	2.09049	0.52305	2.07843	0.04916	-0.00339	41.04663	0.05135	0.50455	0.20636	0.26207
1110041-1	0.00018	-0.03986	0.00279	0.01654	0.23996	-0.00013	-0.00291	5.32822	-0.00061	0.00011	-0.00022	0.01555
1110041-3	-0.00040	0.01974	-0.00125	0.01654	0.26586	-0.00014	0.00177	5.84221	-0.00040	-0.00027	-0.00029	0.05573
1110041-3D	0.00007	0.02235	-0.00191	0.01654	0.26721	-0.00013	0.00074	5.89022	-0.00040	0.00030	-0.00010	0.05768
1110041-3L 5X	0.00022	-0.03866	-0.00173	-0.00260	0.05443	-0.00022	0.00037	1.21598	-0.00003	0.00010	0.00014	0.01055
1110041-3MS	0.09404	2.12475	1.99600	0.52750	2.18696	0.04602	-0.00366	44.31682	0.04962	0.48117	0.19340	0.30608
1110041-3MSD	0.09555	2.15648	2.03750	0.53703	2.22414	0.04702	-0.00042	44.92861	0.05078	0.49015	0.19694	0.31016
1110046-1	0.00002	-0.03756	0.00431	0.00887	0.03710	-0.00025	-0.00342	3.99997	-0.00029	-0.00062	-0.00016	0.00157
CCV	0.19481	50.16903	0.49792	1.00715	0.99354	0.48443	0.50563	49.92412	0.49815	0.49293	1.00095	1.01204
CCB	0.00017	-0.03433	0.00222	-0.00622	0.00011	-0.00021	0.00074	-0.02082	-0.00007	-0.00016	-0.00005	-0.00065
1110046-2	-0.00043	-0.02230	0.00431	0.00926	0.03796	-0.00019	-0.00246	4.25418	-0.00053	-0.00017	-0.00023	0.00335
1110062-1	-0.00009	-0.04848	0.00084	0.03654	0.04379	-0.00018	-0.00022	73.95853	-0.00066	-0.00070	0.00002	0.00110
1110062-3	-0.00027	0.35833	0.00117	0.03739	0.06781	-0.00009	0.00116	75.32836	-0.00039	-0.00012	0.00158	0.00206
1110079-1	-0.00148	-0.04916	-0.00358	0.04307	0.04008	-0.00018	-0.00520	21.17123	-0.00079	-0.00175	-0.00171	-0.00097
1110079-3	-0.00002	-0.01832	0.00103	0.04513	0.04070	-0.00010	0.00043	21.83886	-0.00029	-0.00023	-0.00015	0.00296
1110106-1	0.00364	0.11063	-0.00120	0.13371	0.02443	-0.00005	-0.00475	8.02993	-0.00032	0.00047	0.10616	0.06241
EX111012-13MB	0.00031	-0.04408	0.00065	0.00074	0.00009	-0.00024	-0.00239	0.05090	-0.00015	-0.00067	-0.00007	-0.00135
EX111012-13RVS	0.00888	0.91893	0.04705	0.04030	0.04914	0.00938	0.09490	4.76616	0.01879	0.01827	0.04949	0.04881
EX111012-13LCS	0.09408	2.02044	1.94746	0.49422	2.00430	0.04867	-0.00424	0.06100	0.04944	0.49461	0.20203	0.25802
1110002-14	-0.00037	-0.02802	0.00051	0.02588	0.08084	-0.00011	-0.00608	86.50196	-0.00009	-0.00077	-0.00051	-0.00150
CCV	0.19729	51.01348	0.51251	1.03082	1.01466	0.49351	0.52654	51.17902	0.51129	0.50286	1.01843	1.04210
CCB	0.00036	0.01468	-0.00025	-0.00601	0.00051	0.00012	-0.00230	0.00003	0.00007	0.00060	0.00094	-0.00035
1110002-15	0.00055	-0.02175	-0.00016	0.02755	0.01989	-0.00026	-0.00263	20.14274	-0.00020	-0.00061	0.00010	-0.00155
1110002-16	-0.00066	-0.04266	0.00070	0.02606	0.04825	-0.00027	-0.00560	86.97207	-0.00033	-0.00098	-0.00074	-0.00173
1110002-17	-0.00021	-0.04403	-0.00025	0.01473	0.03400	-0.00027	-0.00015	96.26326	-0.00031	-0.00087	-0.00004	-0.00164
1110002-18	0.00034	-0.04313	0.00075	0.01523	0.05394	-0.00030	-0.00271	89.73823	0.00005	-0.00034	0.00003	-0.00177
1110002-21	0.00064	-0.03235	0.00327	0.00156	0.08135	-0.00023	0.00026	97.05611	0.00029	-0.00036	0.00044	-0.00061
1110002-24	-0.00045	-0.03844	0.00184	-0.00050	0.09690	-0.00020	-0.00279	92.94167	0.00006	-0.00078	-0.00055	-0.00155
1110002-24D	0.00025	-0.03337	-0.00063	-0.00157	0.09597	-0.00023	-0.00351	91.21574	0.00006	-0.00085	-0.00026	-0.00164
1110002-24L 5X	-0.00045	-0.03629	-0.00096	-0.00728	0.01937	-0.00021	-0.00047	18.87948	-0.00043	-0.00073	-0.00069	-0.00168
1110002-24MS	0.09393	2.00792	1.96086	0.49287	2.09687	0.04899	-0.00263	94.35724	0.04917	0.48633	0.19804	0.26098
1110002-24MSD	0.09420	2.00567	1.95779	0.49440	2.09124	0.04895	-0.00240	94.45565	0.04959	0.48639	0.19732	0.26068
CCV	0.19642	50.67717	0.50222	1.01658	1.00735	0.48289	0.52194	50.23326	0.50619	0.49464	0.99907	1.03836
CCB	-0.00007	0.01560	0.00170	-0.00696	0.00042	0.00019	-0.00816	0.00121	0.00014	-0.00070	0.00005	-0.00120
EX111012-12MB	-0.00055	-0.02431	-0.00134	0.03512	-0.00033	-0.00016	-0.00328	0.02166	-0.00047	-0.00136	-0.00046	-0.00181
EX111012-12RVS	0.00856	0.95027	0.04910	0.04204	0.05000	0.00976	0.09794	4.92053	0.01963	0.01868	0.05132	0.04898
EX111012-12LCS	0.09453	1.88980	1.92144	0.51242	2.00943	0.04906	-0.00246	0.00370	0.04896	0.49651	0.20638	0.26181

Sample Id1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
1110002-13	-0.00028	0.03334	-0.00111	0.02382	0.16039	-0.00007	-0.00712	209.34051	0.00027	0.00246	-0.00035	-0.00194
1110002-13D	0.00041	0.03701	-0.00211	0.02471	0.16103	-0.00014	-0.00319	211.40977	0.00013	0.00262	-0.00007	-0.00168
1110002-13L 5X	-0.00050	-0.02174	0.00084	-0.00238	0.03177	-0.00023	-0.00287	40.37830	-0.00055	-0.00005	-0.00049	-0.00181
1110002-13MS	0.09200	2.04778	1.86209	0.49720	2.11021	0.04646	-0.00307	204.56089	0.04777	0.46876	0.19164	0.25425
1110002-13MSD	0.09288	2.06800	1.88336	0.50585	2.14312	0.04715	-0.00345	207.73452	0.04853	0.47559	0.19484	0.25825
1110002-19	-0.00038	-0.02718	0.00008	0.00238	0.12105	-0.00018	-0.00263	222.14404	-0.00026	-0.00141	-0.00024	-0.00138
1110002-20	-0.00092	-0.02308	-0.00025	-0.00192	0.09819	-0.00011	-0.00544	215.35716	-0.00042	-0.00148	-0.00100	-0.00236
CCV	0.19666	50.82900	0.50346	1.01993	1.00790	0.48841	0.51370	50.96928	0.50911	0.49808	1.00948	1.03933
CCB	0.00006	0.02460	0.00060	-0.00686	0.00043	0.00014	-0.00079	0.04133	-0.00019	-0.00004	0.00040	-0.00156
1110002-22	-0.00060	0.00072	-0.00073	0.00376	0.10871	-0.00005	-0.00320	213.98734	-0.00004	-0.00086	-0.00014	-0.00190
1110002-23	-0.00013	-0.01211	0.00255	0.00419	0.09766	-0.00002	-0.00632	215.23018	-0.00012	-0.00113	-0.00052	-0.00185
EX111012-11MB	-0.00002	-0.01697	-0.00149	-0.00465	-0.00035	-0.00016	-0.00312	0.00291	-0.00029	-0.00111	-0.00056	-0.00207
EX111012-11RVS	0.00902	0.97523	0.04710	0.04172	0.05050	0.00978	0.09795	4.91327	0.01975	0.01888	0.05166	0.05040
EX111012-11LCS	0.00001	-0.01231	-0.00220	-0.00476	-0.00025	-0.00010	-0.00071	38.99328	-0.00008	-0.00133	0.00050	-0.00190
1109326-4	0.00004	-0.00877	-0.00011	0.00550	0.00094	-0.00015	-0.00439	8.18226	-0.00024	-0.00098	0.00004	-0.00034
1109326-4D	-0.00022	-0.01934	0.00079	0.00561	0.00091	-0.00019	-0.00552	8.11432	-0.00003	-0.00085	-0.00065	-0.00046
1109326-4L 5X	0.00002	-0.01809	0.00141	-0.00558	-0.00009	-0.00022	-0.00295	1.64510	-0.00054	-0.00089	-0.00020	-0.00181
1109326-4MS	-0.00026	-0.02093	-0.00325	0.00525	0.00098	-0.00019	-0.00327	46.54621	0.00001	-0.00111	0.00000	-0.00051
1109326-4MSD	0.00064	-0.02741	0.00032	0.00546	0.00105	-0.00025	-0.00247	46.65565	0.00012	-0.00054	0.00050	-0.00025
CCV	0.19872	50.52226	0.50643	1.01580	0.99953	0.48680	0.51985	50.74949	0.51007	0.49804	1.00861	1.03551
CCB	-0.00018	0.00478	-0.00092	-0.00732	0.00005	0.00005	-0.00359	-0.02344	0.00006	-0.00042	-0.00006	-0.00160
1109326-5	0.00081	-0.01325	0.00298	0.00042	0.00047	-0.00017	-0.00183	4.80736	0.00009	-0.00060	0.00002	-0.00130
1109326-6	0.00034	-0.01469	-0.00248	0.01772	0.00083	-0.00019	-0.00263	9.81644	-0.00003	-0.00076	0.00000	-0.00169
1110041-1 5X	-0.00056	0.00024	-0.00054	-0.00370	0.04693	0.00005	-0.00238	1.04473	-0.00048	-0.00054	-0.00069	0.00149
1110041-3 5X	-0.00025	0.00834	-0.00134	-0.00405	0.05265	0.00005	0.00068	1.15110	-0.00023	-0.00047	-0.00045	0.00925
1110041-3D 5X	-0.00017	0.01091	0.00246	-0.00345	0.05238	0.00002	0.00044	1.13324	-0.00042	-0.00078	-0.00056	0.00947
1110041-3L 25X	-0.00050	0.00090	-0.00025	-0.00679	0.01087	0.00005	-0.00399	0.21259	-0.00024	-0.00084	-0.00097	0.00018
1110041-3MS 5X	0.01787	0.40571	0.38286	0.09468	0.43107	0.00936	-0.00311	8.57915	0.00926	0.09403	0.03817	0.05816
1110041-3MSD 5X	0.01888	0.40748	0.39008	0.09592	0.43607	0.00959	-0.00238	8.78672	0.00963	0.09630	0.03861	0.05929
1110041-3A	-0.00085	0.06473	0.00008	0.01463	0.25986	0.00012	-0.00232	49.25487	-0.00046	-0.00047	-0.00048	0.05517
1110062-1 5X	-0.00022	-0.01069	-0.00044	0.00049	0.00889	-0.00006	-0.00119	14.25927	-0.00060	-0.00053	-0.00053	-0.00164
CCV	0.19635	49.97212	0.50471	1.00337	0.98899	0.47553	0.51460	49.65978	0.50353	0.48847	0.98695	1.03023
CCB	0.00007	0.01196	-0.00106	-0.00572	0.00014	0.00009	0.00089	-0.02082	0.00006	-0.00023	0.00026	-0.00181
1110062-3 5X	0.00041	0.08942	0.00308	0.00145	0.01401	0.00013	0.00162	14.50939	-0.00037	-0.00002	0.00075	-0.00103
IP111013-8MB	-0.00025	-0.01057	-0.00211	-0.00842	-0.00046	-0.00004	0.00081	-0.05936	-0.00050	-0.00045	-0.00045	-0.00194
IP111013-8LCS	-0.00043	-0.00313	-0.00077	-0.00824	-0.00029	0.00003	-0.00135	39.49870	-0.00020	-0.00032	-0.00021	-0.00168
1110158-1 2X	-0.00032	0.00218	0.00441	0.09002	0.01592	0.00016	-0.00240	249.96378	-0.00038	-0.00093	-0.00056	-0.00167
1110158-1D 2X	-0.00043	0.00554	0.00084	0.08967	0.01568	0.00016	0.00008	246.03741	-0.00045	-0.00074	-0.00075	-0.00223
1110158-1L 10X	0.00000	0.00375	-0.00125	-0.00011	0.00105	0.00001	-0.00208	20.12830	-0.00039	-0.00095	-0.00004	-0.00268
1110158-1MS 2X	0.00015	0.00757	0.00331	0.08974	0.01566	0.00024	-0.00295	268.27407	-0.00038	-0.00058	-0.00009	-0.00164
1110158-1MSD 2X	-0.00014	0.00731	-0.00025	0.09002	0.01572	0.00022	-0.00328	269.71681	-0.00035	-0.00074	-0.00031	-0.00198
1110158-2 2X	-0.00065	0.00359	0.00241	0.08974	0.01559	0.00015	-0.00183	247.00679	-0.00043	-0.00067	-0.00068	-0.00215
1110158-3 2X	-0.00074	0.00182	0.00222	0.08977	0.01561	0.00013	-0.00256	243.00911	-0.00055	-0.00064	-0.00070	-0.00215
CCV	0.19621	49.93240	0.50337	1.00366	0.98545	0.47288	0.51690	49.68452	0.50776	0.48715	0.98406	1.03425
CCB	-0.00001	0.02691	-0.00020	-0.00682	0.00020	0.00017	-0.00143	-0.01216	0.00013	-0.00016	0.00018	-0.00208
1110158-4 2X	0.00014	0.01099	0.00331	0.08821	0.01608	0.00015	0.00106	251.68782	-0.00012	-0.00042	0.00031	-0.00137
1110158-5 2X	-0.00030	0.00337	0.00255	0.08828	0.01606	0.00014	0.00090	255.55217	0.00003	-0.00074	-0.00053	-0.00144
1110158-6 2X	-0.00031	0.02942	0.00222	0.08885	0.01597	0.00015	0.00082	254.84054	-0.00019	-0.00112	-0.00001	-0.00170
1110158-7 2X	-0.00034	0.00579	0.00521	0.08729	0.01713	0.00014	-0.00023	248.38593	-0.00062	-0.00039	-0.00007	-0.00165
1110158-8 2X	-0.00035	0.00686	0.00189	0.08768	0.01733	0.00020	-0.00263	254.09782	-0.00044	-0.00083	-0.00058	-0.00186

Sample Id1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
1110158-9 2X	-0.00056	0.01175	0.00127	0.08686	0.01706	0.00019	-0.00383	246.73490	-0.00052	-0.00074	-0.00050	-0.00191
1110158-10 2X	-0.00019	0.01350	0.00122	0.08761	0.01523	0.00025	-0.00031	244.67787	-0.00011	-0.00014	-0.00044	-0.00202
1110158-11 2X	-0.00042	0.01872	-0.00025	0.08814	0.01555	0.00029	-0.00360	247.14175	-0.00035	-0.00045	-0.00032	-0.00207
1110158-12 2X	0.00007	0.02631	0.00146	0.08629	0.01516	0.00023	-0.00031	240.30127	-0.00037	-0.00055	-0.00007	-0.00199
IP111013-9MB	-0.00003	0.01408	0.00003	-0.00856	-0.00042	0.00012	-0.00127	-0.01059	-0.00050	-0.00054	-0.00064	-0.00281
CCV	0.19790	49.73641	0.50304	1.01014	0.98216	0.47611	0.52441	50.21624	0.51592	0.49224	0.99132	1.03610
CCB	-0.00021	0.05788	-0.00191	-0.00728	0.00040	0.00041	-0.00023	0.00527	0.00026	-0.00060	0.00036	-0.00208
IP111013-9LCS	-0.00026	0.01181	0.00027	-0.00835	-0.00022	0.00014	-0.00255	39.24283	-0.00006	-0.00061	-0.00048	-0.00237
1110158-13 2X	-0.00024	0.01175	0.00407	0.08945	0.01581	0.00018	-0.00312	245.62749	-0.00040	-0.00071	-0.00064	-0.00184
1110158-13D 2X	-0.00005	0.00912	0.00141	0.08736	0.01550	0.00013	0.00065	240.30649	-0.00038	-0.00027	-0.00045	-0.00147
1110158-13L 10X	-0.00105	0.00661	0.00027	-0.00015	0.00094	0.00005	-0.00272	20.06377	-0.00057	-0.00098	-0.00055	-0.00276
1110158-13MS 2X	0.00033	0.01391	0.00117	0.08789	0.01566	0.00019	0.00089	261.40921	-0.00016	-0.00017	-0.00010	-0.00151
1110158-13MSD 2X	-0.00010	0.01924	0.00350	0.08938	0.01577	0.00026	-0.00031	265.29855	-0.00026	-0.00071	-0.00004	-0.00198
1110158-14 2X	0.00011	0.02001	0.00303	0.09006	0.01565	0.00030	-0.00023	245.72378	-0.00039	-0.00080	-0.00014	-0.00133
1110158-15 2X	0.00008	0.02353	0.00156	0.08832	0.01565	0.00029	-0.00223	241.39573	-0.00051	-0.00045	-0.00022	-0.00168
1110158-16 2X	0.00002	0.02557	-0.00125	0.08881	0.01588	0.00028	-0.00255	252.07545	-0.00040	-0.00042	-0.00027	-0.00180
1110158-17 2X	-0.00033	0.02738	0.00336	0.08796	0.01592	0.00033	-0.00455	251.12200	-0.00045	-0.00074	-0.00026	-0.00193
CCV	0.19725	50.05612	0.50586	1.01327	0.99070	0.47289	0.52940	49.82223	0.51426	0.48986	0.98502	1.04811
CCB	0.00007	0.06851	0.00075	-0.00640	0.00042	0.00052	-0.00159	0.02651	0.00019	-0.00029	0.00045	-0.00220
1110158-18 2X	-0.00043	0.02655	0.00018	0.08821	0.01597	0.00026	-0.00479	250.55281	-0.00031	-0.00086	-0.00047	-0.00180
1110158-19 2X	0.00004	0.02371	0.00060	0.08903	0.01735	0.00021	0.00138	252.89935	-0.00026	-0.00083	-0.00041	-0.00187
1110158-20 2X	-0.00066	0.01107	0.00198	0.08860	0.01728	0.00015	-0.00231	251.79795	-0.00033	-0.00096	-0.00063	-0.00195
1110158-21 2X	-0.00016	0.01226	0.00156	0.08942	0.01722	0.00016	-0.00199	255.38045	-0.00047	-0.00029	0.00005	-0.00134
1110158-22 2X	-0.00012	0.01566	0.00227	0.08832	0.01537	0.00023	-0.00111	246.09923	-0.00030	-0.00071	-0.00046	-0.00211
1110158-23 2X	0.00015	0.02064	0.00298	0.08782	0.01534	0.00026	-0.00264	245.78387	-0.00027	-0.00049	-0.00048	-0.00233
1110158-24 2X	-0.00026	0.02835	0.00032	0.08935	0.01521	0.00034	-0.00144	246.82533	-0.00035	-0.00077	-0.00035	-0.00223
1110158-4	-0.00081	0.04205	0.00650	0.18742	0.03200	0.00053	-0.00214	H530.69068	-0.00046	-0.00090	-0.00078	-0.00211
1110158-5	-0.00056	0.04576	0.00336	0.18828	0.03182	0.00057	-0.00238	H531.82583	-0.00034	-0.00097	-0.00046	-0.00194
1110158-6	-0.00046	0.09540	0.00084	0.18604	0.03159	0.00059	-0.00062	H519.66130	-0.00023	-0.00043	0.00056	-0.00199
CCV	0.19547	50.32223	0.50385	1.00757	0.99633	0.47835	0.51863	49.55441	0.50291	0.49193	0.99125	1.04092
CCB	-0.00031	0.03094	0.00056	-0.00554	0.00054	0.00034	-0.00087	0.05156	0.00004	-0.00016	0.00038	-0.00116
1110158-16	-0.00094	-0.01351	0.00445	0.18359	0.03180	0.00013	-0.00134	H518.64939	-0.00055	-0.00078	-0.00047	-0.00003
1110158-17	0.00077	-0.01790	0.00231	0.18565	0.03200	0.00010	0.00059	H532.24590	-0.00004	0.00052	0.00052	0.00034
1110158-18	-0.00056	-0.02355	0.00631	0.18636	0.03175	0.00012	-0.00134	H531.11236	-0.00050	-0.00084	-0.00071	-0.00029
ZZZ	0.02173	0.45174	0.01320	0.42692	0.43072	0.01257	0.05378	5.75718	0.01244	0.10848	0.02376	0.05455
ZZZ	0.00005	272.64381	-0.00358	-0.00767	0.00031	0.00072	0.00644	275.42256	0.00009	0.00110	-0.00065	-0.00508
CRI	0.02153	0.55812	0.01415	0.42631	0.42996	0.01259	0.05146	5.64704	0.01268	0.10775	0.02374	0.05455
ICSA	0.00005	270.95688	-0.00191	-0.00849	0.00033	0.00085	0.00860	272.83695	0.00008	0.00113	-0.00038	-0.00516
ICSAB	0.19794	211.61183	0.10000	1.02416	0.50894	0.48050	0.53866	267.82427	1.01592	0.48415	0.48537	0.54948
CCV	0.19544	50.19849	0.50026	1.00611	0.98581	0.47662	0.51604	49.79566	0.50568	0.49170	0.99140	1.03558
CCB	-0.00053	0.04742	0.00065	-0.00597	0.00034	0.00034	-0.00191	0.02258	-0.00012	-0.00019	-0.00007	-0.00151

Sample Id1	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Pb I	Pb II
MIXBHIGH	-0.01659	-0.11853	-0.00175	-0.09482	9.77339	9.91525	-0.02850	H10.14056	49.05111	9.78194	9.87694	9.73452
MIXAHIGH	195.98822	249.02634	9.72453	495.86093	L-0.01097	0.00439	149.18720	0.00046	0.02051	-0.00271	L-0.03037	0.01110
MIXCHIGH	0.00927	-0.13520	-0.00134	-0.26226	0.00433	0.00092	-0.02772	-0.00140	0.02136	0.00320	L-0.01834	0.01395
ICV	10.12631	24.87118	0.24772	25.55271	0.51763	0.52290	24.67567	0.51511	2.62779	0.51123	0.51346	0.51012
ICB	-0.00021	-0.15398	-0.00206	-0.03027	0.00015	-0.00099	-0.05691	-0.00160	0.00231	-0.00068	-0.00205	0.00000
CRI	0.21433	4.25464	0.01656	5.39860	0.03471	0.02184	4.54428	0.08731	0.21936	0.00801	0.00761	0.00820
ICSA	110.92621	-0.16768	-0.00174	275.64002	0.00368	-0.00193	-0.03326	0.00116	0.00280	-0.00061	L-0.01098	0.00457
ZZZ	110.48448	-0.16250	1.12712	273.20893	0.50341	1.02056	-0.04703	0.97605	1.05043	0.04950	0.04254	0.05298
ICSAB	110.96700	-0.17176	1.13482	274.91255	0.50544	1.03187	-0.04465	0.98397	1.05479	0.05148	0.04206	0.05618
CCV	20.40863	52.88178	0.52814	51.35835	1.01749	1.04520	51.08671	1.02442	5.25008	1.01305	1.01987	1.00965
CCB	0.01112	-0.13261	-0.00200	0.00127	0.00056	-0.00081	-0.04156	-0.00086	-0.00034	-0.00039	0.00100	-0.00109
F111011-1MB	0.00051	-0.14286	-0.00221	-0.02574	0.00003	-0.00175	-0.06012	-0.00158	-0.00395	-0.00096	-0.00292	0.00002
F111011-1RVS	1.01819	9.32617	0.03897	5.16973	0.05245	0.10540	9.07487	0.05287	1.06097	0.05087	0.05227	0.05017
F111011-1LCS	0.98883	44.38324	0.50717	41.68303	0.51164	1.04604	40.48512	0.51918	10.75659	0.51419	0.51528	0.51364
1110041-1	0.00390	2.61776	0.01508	0.31677	0.01148	0.00839	H209.45508	-0.00113	-0.00359	-0.00005	-0.00256	0.00120
1110041-3	0.12307	3.03325	0.01623	0.33595	0.02006	0.00655	H224.27903	-0.00179	-0.00190	0.00646	0.00584	0.00677
1110041-3D	0.12364	3.03188	0.01631	0.34048	0.02043	0.00641	H223.12257	-0.00110	-0.00251	0.00576	0.00735	0.00497
1110041-3L 5X	0.01944	0.62370	0.00179	0.03117	0.00421	-0.00077	49.83708	-0.00121	-0.00263	0.00049	0.00256	-0.00055
1110041-3MS	1.04887	61.39787	0.60585	38.58212	0.49850	1.00857	H247.41523	0.49297	10.26536	0.49947	0.50210	0.49816
1110041-3MSD	1.06848	62.26765	0.61534	39.19291	0.50850	1.03049	H249.42841	0.49877	10.37736	0.51156	0.51184	0.51141
1110046-1	0.00145	1.27581	0.00347	0.21861	0.02125	0.00164	115.72105	-0.00085	0.01160	-0.00002	0.00137	-0.00071
CCV	19.76869	52.08276	0.51755	50.04999	0.98797	1.01400	49.20853	0.99309	5.07957	0.99051	0.99161	0.98996
CCB	0.00603	-0.14669	-0.00203	-0.01234	0.00044	0.00009	-0.01700	-0.00077	-0.00287	0.00041	0.00182	-0.00029
1110046-2	0.01320	1.33999	0.00375	0.23469	0.02367	-0.00030	122.19306	-0.00089	0.00509	-0.00034	0.00098	-0.00100
1110062-1	0.00467	1.30945	0.00947	1.01496	0.05343	0.00078	H167.59818	0.00089	-0.00708	-0.00054	-0.00084	-0.00040
1110062-3	0.49418	1.41791	0.01000	1.13399	0.06193	0.00074	H171.20062	0.00128	0.00087	-0.00027	0.00068	-0.00075
1110079-1	0.00197	1.70500	0.00741	3.93834	0.00996	-0.00236	97.09458	-0.00114	-0.01010	0.00078	L-0.00853	0.00542
1110079-3	0.03052	1.16366	0.00627	4.11438	0.01033	-0.00113	96.12528	-0.00028	0.00051	0.00009	0.00109	-0.00042
1110106-1	0.67484	1.51525	-0.00066	1.52870	0.04612	0.01037	119.76010	0.02142	0.03859	0.01523	0.01575	0.01497
EX111012-13MB	-0.01009	-0.14743	-0.00221	-0.03790	-0.00005	-0.00214	148.71254	-0.00034	-0.00118	0.00065	0.00081	0.00058
EX111012-13RVS	0.94665	8.06686	0.03743	4.72280	0.04887	0.09966	8.17914	0.04991	0.93670	0.04811	0.04763	0.04834
EX111012-13LCS	0.95514	-0.13693	-0.00206	-0.03646	0.49437	1.02998	H153.04611	0.51316	-0.00504	0.48837	0.49935	0.48289
1110002-14	0.00192	-0.01578	-0.00025	3.08069	0.00434	-0.00171	H154.31284	-0.00092	-0.00395	0.00037	-0.00240	0.00175
CCV	20.16156	52.80070	0.52736	50.73263	1.00169	1.03853	49.94109	1.03938	5.14410	1.00594	1.00715	1.00534
CCB	0.01003	-0.15348	-0.00198	-0.00058	0.00064	0.00024	0.00808	-0.00062	0.00027	-0.00115	0.00391	L-0.00367
1110002-15	-0.00473	-0.03504	-0.00026	2.49880	0.03290	-0.00211	H151.13581	0.00008	0.00231	0.00143	0.00138	0.00145
1110002-16	-0.00687	-0.00849	-0.00013	3.03732	0.02428	-0.00167	H155.56085	0.00012	-0.00359	0.00117	-0.00048	0.00200
1110002-17	-0.00900	0.07414	-0.00044	2.60327	0.01410	-0.00185	H152.31386	-0.00073	-0.00407	-0.00014	-0.00160	0.00059
1110002-18	-0.00853	0.06574	-0.00054	2.46371	0.01267	-0.00175	143.84470	-0.00001	-0.00058	-0.00051	-0.00049	-0.00051
1110002-21	-0.00526	-0.08827	-0.00172	0.61066	0.00208	-0.00088	148.69938	0.00103	-0.00480	0.00087	0.00447	-0.00092
1110002-24	-0.00619	0.19853	-0.00161	1.16205	0.00257	-0.00102	145.67961	-0.00094	-0.01106	0.00106	-0.00013	0.00166
1110002-24D	-0.00437	0.18037	-0.00167	1.14493	0.00270	-0.00113	143.67253	-0.00051	-0.00467	0.00069	-0.00109	0.00158
1110002-24L 5X	-0.00832	-0.10939	-0.00207	0.19593	0.00044	-0.00232	29.61720	-0.00135	-0.00455	-0.00112	-0.00244	-0.00047
1110002-24MS	0.94811	0.19483	-0.00152	1.17237	0.48863	1.01973	148.15001	0.50702	-0.00901	0.48679	0.49127	0.48456
1110002-24MSD	0.94335	0.19989	-0.00151	1.17690	0.48768	1.02136	147.05885	0.50677	-0.00528	0.48789	0.49280	0.48545
CCV	19.76989	52.63825	0.52502	50.08531	0.98252	1.02571	49.83984	1.02363	5.01396	0.98507	0.99189	0.98166
CCB	0.00852	-0.16583	-0.00200	-0.01151	0.00056	0.00020	0.00617	-0.00168	-0.00455	-0.00088	-0.00180	-0.00042
EX111012-12MB	-0.00988	-0.20201	-0.00226	-0.03151	-0.00026	-0.00124	0.74822	-0.00114	-0.00455	0.00073	-0.00265	0.00241
EX111012-12RVS	0.97117	8.21148	0.03795	4.81519	0.04994	0.10197	8.36183	0.05172	0.95498	0.04906	0.04701	0.05008
EX111012-12LCS	0.97966	-0.19288	-0.00221	-0.04079	0.50416	1.02477	0.70237	0.52955	-0.00058	0.48040	0.48688	0.47716

Sample Id1	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Pb I	Pb II
1110002-13	0.03494	0.85520	-0.00013	2.29442	0.84872	-0.00153	3.66078	0.00393	-0.00431	0.00043	-0.00125	0.00127
1110002-13D	0.04456	0.87337	-0.00009	2.31589	0.85594	-0.00157	3.68104	0.00411	-0.00287	0.00179	-0.00126	0.00331
1110002-13L 5X	0.02121	-0.00293	-0.00187	0.42710	0.17545	-0.00240	0.55529	-0.00069	-0.00431	-0.00037	-0.00297	0.00092
1110002-13MS	0.99334	0.84086	-0.00008	2.27398	1.30539	0.97444	3.61444	0.48780	-0.00311	0.46893	0.47577	0.46551
1110002-13MSD	1.01017	0.85891	-0.00004	2.29979	1.32564	0.98995	3.67516	0.49489	-0.00624	0.47806	0.48299	0.47559
1110002-19	-0.00739	0.02659	-0.00166	1.12223	0.01739	-0.00135	0.52825	-0.00061	0.00316	0.00060	-0.00210	0.00195
1110002-20	-0.00526	-0.09013	-0.00167	1.41562	0.01275	-0.00225	0.51461	-0.00130	-0.00721	-0.00010	L-0.00310	0.00139
CCV	19.95594	52.55018	0.52401	50.42756	0.99046	1.03328	50.78637	1.02899	5.03274	0.99976	0.99700	1.00113
CCB	0.00987	-0.17225	-0.00205	-0.00512	0.00056	-0.00030	-0.03329	-0.00114	0.00461	-0.00016	-0.00075	0.00013
1110002-22	0.01154	0.11701	-0.00155	1.18949	0.04530	-0.00222	0.76961	-0.00034	-0.00480	-0.00061	L-0.00377	0.00096
1110002-23	-0.00588	0.13232	-0.00161	1.09892	0.01956	-0.00160	0.60968	-0.00075	-0.00311	0.00048	0.00066	0.00039
EX111012-11MB	-0.01118	-0.20547	-0.00230	-0.05027	0.00007	-0.00146	0.16203	-0.00086	-0.00865	-0.00010	-0.00114	0.00041
EX111012-11RVS	0.98050	8.29251	0.03865	4.82780	0.04986	0.10392	8.53008	0.05199	0.92689	0.04891	0.04822	0.04925
EX111012-11LCS	0.01081	39.55014	0.48417	38.65761	0.00183	-0.00124	37.41728	-0.00138	9.42523	0.00166	0.00006	0.00246
1109326-4	0.00540	0.07612	-0.00201	1.10779	0.00040	0.00590	0.58535	-0.00125	0.10610	0.00051	-0.00017	0.00085
1109326-4D	-0.00749	0.05561	-0.00207	1.09748	0.00040	0.00547	0.58576	-0.00097	0.10924	0.00008	-0.00135	0.00080
1109326-4L 5X	-0.00739	-0.08877	-0.00217	0.18850	-0.00001	-0.00041	0.08978	-0.00125	0.01497	-0.00061	-0.00033	-0.00075
1109326-4MS	-0.00266	39.29229	0.47424	39.17734	0.00179	0.00615	37.48370	0.00007	9.40946	-0.00032	-0.00162	0.00033
1109326-4MSD	-0.00572	39.73954	0.47874	39.42685	0.00192	0.00641	37.75793	-0.00040	9.28082	-0.00073	-0.00097	-0.00062
CCV	19.87533	52.29864	0.51933	50.29452	0.98722	1.02585	50.42936	1.02874	4.95491	0.98951	0.99877	0.98489
CCB	0.00202	-0.16682	-0.00209	-0.02120	0.00031	-0.00084	-0.04182	-0.00135	-0.00721	-0.00156	-0.00230	-0.00118
1109326-5	-0.00650	0.02572	-0.00210	0.40359	0.00003	0.00428	0.55991	-0.00036	0.08223	0.00053	0.00189	-0.00015
1109326-6	-0.01066	0.00324	-0.00200	0.72472	0.00064	0.00962	0.64474	-0.00058	0.01051	0.00105	0.00094	0.00111
1110041-1 5X	-0.00676	0.66028	0.00183	0.02004	0.00224	-0.00023	46.92901	-0.00184	-0.00781	-0.00150	-0.00224	-0.00113
1110041-3 5X	0.01726	0.70280	0.00202	0.02643	0.00393	-0.00070	51.08459	-0.00129	-0.00467	-0.00040	-0.00060	-0.00030
1110041-3D 5X	0.05454	0.67425	0.00193	0.02643	0.00401	-0.00189	50.73325	-0.00179	-0.00853	0.00011	-0.00069	0.00051
1110041-3L 25X	-0.00240	0.33023	-0.00049	-0.03460	0.00064	-0.00185	11.06402	-0.00253	-0.00516	-0.00076	-0.00118	-0.00054
1110041-3MS 5X	0.19829	10.95625	0.10373	7.39826	0.09673	0.19545	57.60628	0.09901	1.88500	0.09368	0.09500	0.09303
1110041-3MSD 5X	0.20287	11.04972	0.10456	7.51872	0.09903	0.20025	58.22909	0.10084	1.91457	0.09766	0.09907	0.09695
1110041-3A	0.11682	63.64315	0.65997	43.38457	0.02079	0.00579	H255.34966	-0.00091	-0.00721	0.00720	0.00549	0.00805
1110062-1 5X	-0.00718	0.44452	0.00091	0.16128	0.01041	-0.00095	36.79399	-0.00062	-0.00202	0.00015	0.00013	0.00016
CCV	19.45998	51.97570	0.51489	49.55408	0.96597	1.00835	49.59926	1.01123	4.88229	0.97107	0.98158	0.96582
CCB	0.00400	-0.15941	-0.00204	-0.01667	0.00036	-0.00113	-0.02885	-0.00151	0.00027	-0.00045	-0.00034	-0.00051
1110062-3 5X	0.09559	0.47652	0.00112	0.20005	0.01263	-0.00052	37.41522	-0.00045	-0.00082	-0.00035	0.00178	-0.00142
IP111013-8MB	-0.01082	-0.19238	-0.00227	-0.05543	-0.00022	-0.00250	-0.05900	-0.00223	-0.00383	-0.00142	0.00003	-0.00214
IP111013-8LCS	-0.00630	40.13932	0.49604	39.54088	0.00163	-0.00254	38.18152	-0.00198	9.88218	-0.00090	-0.00107	-0.00081
1110158-1 2X	-0.01004	29.47619	0.02436	33.98718	0.00175	0.42795	50.65821	-0.00053	0.29864	-0.00156	-0.00243	-0.00113
1110158-1D 2X	-0.01019	29.49383	0.02394	33.72053	0.00171	0.42607	50.48183	0.00007	0.28947	-0.00021	L-0.00349	0.00143
1110158-1L 10X	-0.01097	1.64822	-0.00066	2.88430	-0.00009	0.03555	3.49788	-0.00209	0.02136	-0.00201	-0.00298	-0.00152
1110158-1MS 2X	-0.00583	51.59223	0.30516	53.33158	0.00253	0.42578	70.07612	0.00029	5.15300	-0.00155	-0.00063	-0.00200
1110158-1MSD 2X	0.06063	52.12522	0.30789	53.76464	0.00270	0.42802	70.64947	-0.00091	5.24129	-0.00181	L-0.00316	-0.00113
1110158-2 2X	-0.01009	29.08043	0.02354	33.53027	0.00175	0.42423	50.02624	-0.00092	0.28790	-0.00068	-0.00238	0.00017
1110158-3 2X	-0.01160	29.23458	0.02353	33.46231	0.00155	0.42217	50.25220	-0.00070	0.29043	-0.00002	-0.00204	0.00099
CCV	19.36519	52.02698	0.51474	49.42827	0.95982	1.01140	49.88107	1.01875	4.89797	0.96175	0.97256	0.95636
CCB	0.00514	-0.14496	-0.00202	-0.01316	0.00044	0.00013	-0.03301	-0.00173	-0.00998	-0.00107	-0.00079	-0.00121
1110158-4 2X	-0.00499	29.40043	0.02379	33.18754	0.00081	0.42936	50.68446	-0.00042	0.12094	-0.00073	0.00124	-0.00172
1110158-5 2X	-0.00770	29.57201	0.02389	33.50614	0.00052	0.43413	50.68347	-0.00059	0.10960	-0.00219	-0.00232	-0.00212
1110158-6 2X	0.01128	29.39079	0.02371	33.34526	0.00060	0.43294	50.33133	-0.00118	0.12504	-0.00039	-0.00108	-0.00005
1110158-7 2X	-0.01056	17.49222	0.02303	32.95623	0.00150	0.42401	49.01976	-0.00026	0.42710	-0.00124	0.00001	-0.00187
1110158-8 2X	-0.00775	17.59492	0.02322	33.42077	0.00159	0.43333	49.17564	-0.00113	0.44099	-0.00125	-0.00265	-0.00055

Sample Id1	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Pb I	Pb II
1110158-9 2X	-0.01123	17.49385	0.02299	32.77170	0.00138	0.42260	48.81518	-0.00188	0.43097	-0.00068	0.00071	-0.00137
1110158-10 2X	-0.01134	28.77930	0.02342	33.18775	0.00036	0.42950	49.54199	-0.00029	0.96249	-0.00179	0.00032	-0.00285
1110158-11 2X	-0.00915	29.04326	0.02369	33.45496	0.00036	0.43279	49.99415	-0.00061	0.98611	-0.00096	0.00011	-0.00149
1110158-12 2X	-0.01040	28.81646	0.02333	32.84530	0.00036	0.42452	49.51770	-0.00105	0.98248	-0.00033	0.00041	-0.00070
IP111013-9MB	-0.00926	-0.19090	-0.00227	-0.04533	-0.00005	-0.00121	-0.01544	-0.00220	-0.00190	-0.00104	0.00017	-0.00164
CCV	19.48111	51.70727	0.51178	49.45724	0.96352	1.01393	49.73452	1.04039	4.89069	0.96753	0.98156	0.96053
CCB	0.01013	-0.16484	-0.00199	-0.00264	0.00056	-0.00092	-0.02683	-0.00133	-0.00516	0.00113	-0.00072	0.00206
IP111013-9LCS	-0.00708	39.61455	0.48675	39.11529	0.00142	-0.00171	37.64034	-0.00213	9.91379	-0.00089	-0.00186	-0.00041
1110158-13 2X	-0.00884	29.43355	0.02418	33.76500	0.00212	0.42466	50.65274	-0.00042	0.24144	-0.00114	L-0.00392	0.00025
1110158-13D 2X	-0.01045	28.99661	0.02339	33.17979	0.00212	0.41772	49.86716	-0.00058	0.22985	-0.00117	0.00015	-0.00182
1110158-13L 10X	-0.01056	1.65378	-0.00065	2.88120	-0.00001	0.03660	3.49971	-0.00119	0.01497	-0.00049	0.00010	-0.00078
1110158-13MS 2X	-0.00983	51.50398	0.30319	52.76434	0.00290	0.41924	69.87474	-0.00040	5.09996	-0.00179	0.00082	L-0.00310
1110158-13MSD 2X	-0.00999	52.07733	0.30737	53.41632	0.00286	0.42336	70.44325	-0.00061	5.12382	-0.00052	-0.00028	-0.00064
1110158-14 2X	-0.01082	29.19309	0.02355	33.51328	0.00196	0.42560	49.87833	0.00016	0.23408	-0.00119	0.00003	-0.00181
1110158-15 2X	-0.01035	29.26389	0.02353	33.29597	0.00188	0.42188	49.93870	-0.00039	0.23710	-0.00137	-0.00282	-0.00064
1110158-16 2X	-0.01051	29.44294	0.02371	33.02816	0.00015	0.43008	50.27962	-0.00081	0.08500	-0.00029	0.00143	-0.00115
1110158-17 2X	-0.01108	29.46896	0.02371	33.02543	0.00011	0.42806	50.22003	-0.00141	0.08766	-0.00058	-0.00101	-0.00036
CCV	19.39738	52.19629	0.51778	49.46358	0.95637	1.01527	49.85369	1.04523	4.89501	0.95691	0.97927	0.94574
CCB	0.01076	-0.15521	-0.00196	0.00169	0.00069	0.00042	-0.01825	-0.00077	-0.00371	0.00033	-0.00092	0.00095
1110158-18 2X	-0.00115	29.53711	0.02378	33.09317	0.00060	0.42694	50.75420	-0.00037	0.09091	0.00044	-0.00019	0.00076
1110158-19 2X	-0.00546	17.79230	0.02341	33.50845	0.00175	0.43077	49.94979	0.00004	0.33920	-0.00091	-0.00005	-0.00135
1110158-20 2X	-0.01051	17.79544	0.02340	33.48706	0.00171	0.42958	49.96268	0.00087	0.33316	-0.00070	-0.00108	-0.00052
1110158-21 2X	-0.00697	17.76116	0.02339	33.63977	0.00200	0.43315	49.93901	0.00037	0.32290	-0.00143	-0.00164	-0.00133
1110158-22 2X	-0.00806	29.28027	0.02379	33.64648	0.00073	0.43153	50.49428	-0.00006	0.77016	-0.00151	-0.00106	-0.00173
1110158-23 2X	0.00145	29.25146	0.02375	33.57285	0.00052	0.43004	50.36391	0.00026	0.79097	-0.00121	0.00081	-0.00221
1110158-24 2X	-0.01113	29.07853	0.02365	33.50656	0.00056	0.43373	49.98420	-0.00044	0.80657	-0.00070	0.00028	-0.00119
1110158-4	-0.00957	63.34181	0.05529	66.41444	0.00105	0.86173	103.40524	-0.00147	0.25459	-0.00097	L-0.00369	0.00039
1110158-5	-0.01045	63.06342	0.05497	66.10637	0.00085	0.86206	102.78758	-0.00138	0.25881	-0.00162	-0.00297	-0.00095
1110158-6	0.03083	62.44601	0.05444	65.15602	0.00114	0.84823	101.54675	-0.00018	0.26207	-0.00156	-0.00270	-0.00098
CCV	19.58394	51.93247	0.52070	49.90195	0.96976	1.01603	49.95287	1.02169	5.12259	0.97346	0.98595	0.96723
CCB	0.01325	-0.14224	-0.00192	0.01035	0.00089	0.00013	-0.00906	-0.00075	0.00123	-0.00002	-0.00033	0.00014
1110158-16	-0.00962	62.79204	0.05511	66.47883	0.00044	0.85170	104.23827	0.00021	0.18630	-0.00115	-0.00208	-0.00068
1110158-17	-0.01019	62.54828	0.05487	67.15783	0.00052	0.86459	103.80854	0.00153	0.19294	-0.00094	0.00566	L-0.00423
1110158-18	-0.01056	62.43739	0.05477	67.14674	0.00093	0.86249	103.61266	0.00027	0.19801	-0.00105	-0.00035	-0.00140
ZZZ	0.21235	4.25650	0.01592	5.46332	0.03426	0.02386	4.57248	0.09043	0.21405	0.00695	0.00573	0.00755
ZZZ	110.76752	-0.20164	-0.00183	278.05851	0.00253	-0.00258	-0.01353	0.00067	0.00822	-0.00249	L-0.00791	0.00022
CRI	0.25272	4.19933	0.01595	5.49434	0.03397	0.02264	4.52723	0.09013	0.22165	0.00748	0.00722	0.00761
ICSA	109.34377	-0.21646	-0.00184	275.21431	0.00241	-0.00182	-0.02461	0.00052	0.00063	-0.00197	L-0.01108	0.00257
ICSAB	107.70151	-0.20757	1.08855	269.97828	0.48615	1.02045	-0.03896	1.01793	1.05928	0.04995	0.03739	0.05622
CCV	19.56016	51.70288	0.51659	49.84569	0.96689	1.01516	50.38751	1.03019	5.14558	0.96932	0.98210	0.96294
CCB	0.01622	-0.17435	-0.00200	0.01117	0.00052	0.00045	-0.03475	-0.00154	0.00123	-0.00044	-0.00171	0.00020

Sample Id1	S	Sb	Se	Se I	Se II	Si	Sn	Sr	Th	Ti	Tl	U
MIXBHIGH	0.00273	H2.00008	4.90833	4.95679	4.88414	48.98100	9.94841	9.92619	1.93880	9.68068	H5.01076	-0.06781
MIXAHIGH	-0.00036	-0.00042	-0.00206	L-0.02509	0.00944	-0.00810	-0.00161	0.00785	-0.02681	0.00227	-0.00532	0.11289
MIXCHIGH	49.59652	0.00163	-0.00156	-0.00110	-0.00179	L-0.05275	0.01812	-0.00212	L-0.38200	0.00691	0.00475	H50.20272
ICV	2.55127	0.25636	0.49917	0.49757	0.49997	2.50839	0.51431	0.25321	0.15596	0.25407	0.25779	2.62180
ICB	-0.03563	-0.00346	-0.00324	L-0.00896	-0.00038	-0.01862	-0.00249	-0.00370	-0.01177	-0.00165	0.00107	-0.02339
CRI	0.20263	0.12830	0.01205	0.01135	0.01240	0.10166	0.10602	0.01923	0.00108	0.02167	0.02154	0.20983
ICSA	0.03555	0.00086	-0.00705	L-0.02050	-0.00033	-0.02364	-0.00036	-0.00215	-0.03975	0.00053	0.00412	0.06267
ZZZ	1.06473	0.61765	0.04601	0.03018	0.05392	0.95447	1.04028	1.00562	0.01735	0.98093	0.09603	10.47683
ICSAB	1.05891	0.57250	0.04349	0.02463	0.05291	0.95830	1.04867	1.01440	0.01292	0.98533	0.10186	10.56063
CCV	5.15102	0.50438	1.00040	1.00378	0.99871	4.97310	1.04941	0.50984	0.32789	0.50169	0.51628	5.22049
CCB	-0.01820	-0.00166	-0.00034	0.00233	-0.00167	-0.01668	-0.00195	-0.00351	-0.00790	-0.00125	0.00354	-0.00879
F111011-1MB	-0.03273	-0.00132	-0.00341	-0.00329	-0.00346	-0.02036	0.00089	-0.00379	-0.00795	-0.00156	0.00099	-0.01966
F111011-1RVS	1.03564	0.10146	0.05057	0.04872	0.05149	0.28153	0.10137	0.04806	-0.01343	0.04976	0.10517	0.52285
F111011-1LCS	10.84416	0.52026	2.10151	2.11970	2.09242	2.08139	0.52704	0.51635	-0.03965	0.49987	2.10299	-0.03152
1110041-1	0.02393	-0.00226	0.00096	0.00100	0.00094	4.64157	0.00249	0.23812	-0.00935	-0.00082	0.00076	-0.02215
1110041-3	0.01666	-0.00439	-0.00116	-0.00413	0.00032	4.77289	0.00036	0.26215	-0.00923	0.00015	-0.00151	-0.02503
1110041-3D	0.01666	-0.00342	-0.00156	-0.00325	-0.00072	4.80495	-0.00196	0.26331	-0.00785	0.00001	0.00435	-0.01943
1110041-3L 5X	-0.01675	-0.00160	-0.00046	0.00161	-0.00149	0.93864	0.00018	0.05258	-0.00860	-0.00121	0.00304	-0.01688
1110041-3MS	10.48200	0.49709	2.03356	2.03700	2.03185	6.67831	0.51139	0.74119	-0.03101	0.46683	2.04921	-0.03746
1110041-3MSD	10.66306	0.50100	2.05931	2.07160	2.05318	6.80435	0.52421	0.75224	-0.02801	0.47717	2.09144	-0.03810
1110046-1	18.65930	-0.00295	0.00016	0.00217	-0.00085	4.79567	-0.00035	0.09478	-0.01050	-0.00101	0.00063	-0.01376
CCV	4.99752	0.49425	0.97344	0.96591	0.97719	4.85134	1.01621	0.49617	0.31732	0.48828	0.50127	5.09460
CCB	-0.02837	-0.00061	-0.00079	-0.00361	0.00062	-0.02080	0.00231	-0.00358	-0.00964	-0.00140	-0.00487	-0.01531
1110046-2	20.00136	-0.00508	-0.00255	-0.00439	-0.00164	5.07143	0.00214	0.09845	-0.00934	-0.00104	0.00154	-0.02371
1110062-1	H144.44311	-0.00485	-0.00080	-0.00285	0.00023	4.39978	0.00143	1.74019	-0.00809	-0.00173	0.00045	-0.02463
1110062-3	H149.55191	-0.00355	-0.00144	-0.00324	-0.00054	5.02879	0.00213	1.76091	-0.00915	0.00846	-0.00330	-0.02839
1110079-1	31.38668	-0.00720	-0.00304	L-0.00743	-0.00085	8.67068	-0.00284	0.69400	-0.01416	-0.00181	-0.00402	-0.04266
1110079-3	28.81700	-0.00303	-0.00033	0.00056	-0.00077	9.16660	0.00196	0.70316	-0.01585	-0.00024	0.00182	-0.02030
1110106-1	6.79905	-0.00208	-0.00068	0.00054	-0.00129	3.39613	0.21515	0.04377	-0.00945	0.01612	0.00041	-0.02633
EX111012-13MB	-0.04289	-0.00355	0.00115	0.00080	0.00133	-0.00648	0.00410	-0.00376	-0.00673	-0.00207	-0.00564	-0.00629
EX111012-13RVS	0.88438	0.09189	0.03996	0.03847	0.04070	0.24241	0.09550	0.04552	-0.00990	0.04603	0.08709	0.50176
EX111012-13LCS	-0.03563	0.48428	1.84633	1.86210	1.83846	1.93403	0.51423	0.49984	-0.00166	0.47948	2.04645	-0.01751
1110002-14	0.37265	-0.00326	0.00124	-0.00363	0.00366	0.40666	0.00463	0.23697	-0.01118	-0.00189	-0.00374	-0.03116
CCV	5.07938	0.50728	0.98989	0.98846	0.99061	4.90876	1.03889	0.50885	0.32906	0.48917	0.51975	5.18861
CCB	-0.03418	0.00127	-0.00148	0.00041	-0.00242	-0.01783	0.00178	-0.00340	-0.00678	-0.00143	-0.00055	-0.00164
1110002-15	0.51072	-0.00132	0.00205	0.00068	0.00273	0.44170	0.00285	0.14985	-0.00622	-0.00186	-0.00710	-0.01904
1110002-16	1.50560	-0.00583	0.00252	0.00095	0.00330	0.34180	0.00427	0.21671	-0.01240	-0.00243	-0.00787	-0.02152
1110002-17	2.52358	-0.00212	0.00035	-0.00477	0.00291	0.43426	0.00338	0.20498	-0.01309	-0.00227	-0.00646	-0.01903
1110002-18	0.95564	-0.00200	0.00202	0.00189	0.00209	0.47850	0.00481	0.19442	-0.00783	-0.00204	-0.00728	-0.01592
1110002-21	0.08640	0.00012	0.00058	-0.00113	0.00144	0.16620	0.00570	0.08157	-0.01216	-0.00218	-0.00424	-0.01002
1110002-24	0.09366	-0.00234	0.00195	-0.00032	0.00309	0.22816	0.00392	0.07226	-0.01163	-0.00185	-0.00506	-0.02401
1110002-24D	0.09366	-0.00251	-0.00101	L-0.00593	0.00144	0.22447	0.00285	0.07151	-0.00843	-0.00171	-0.00379	-0.02494
1110002-24L 5X	-0.01094	-0.00320	-0.00261	L-0.00715	-0.00035	0.02816	-0.00195	0.01175	-0.00644	-0.00180	-0.00416	-0.02742
1110002-24MS	0.10819	0.48738	1.84519	1.86432	1.83565	2.15231	0.51584	0.57562	-0.00418	0.47839	2.03813	-0.02776
1110002-24MSD	0.08930	0.48996	1.84526	1.86509	1.83536	2.14972	0.51334	0.57384	-0.00437	0.47591	2.04439	-0.03522
CCV	4.99459	0.49910	0.97686	0.97685	0.97687	4.84246	1.02212	0.50362	0.31682	0.48072	0.51429	5.14158
CCB	-0.03127	-0.00090	-0.00111	L-0.00594	0.00130	-0.02056	0.00321	-0.00347	-0.00622	-0.00136	0.00248	-0.02774
EX111012-12MB	-0.03999	-0.00119	-0.00052	-0.00473	0.00158	-0.01687	-0.00035	-0.00393	-0.00521	-0.00222	-0.00829	-0.03022
EX111012-12RVS	0.90038	0.09521	0.04273	0.03820	0.04500	0.24394	0.09994	0.04649	-0.00715	0.04683	0.09519	0.50392
EX111012-12LCS	-0.04144	0.48356	1.76884	1.79207	1.75724	1.89034	0.50817	0.50240	-0.00522	0.48452	1.94076	-0.03182

Sample Id1	S	Sb	Se	Se I	Se II	Si	Sn	Sr	Th	Ti	Tl	U
1110002-13	0.40317	-0.00234	0.00169	0.00018	0.00245	0.91297	-0.00018	0.31286	-0.00906	-0.00076	-0.00485	-0.02124
1110002-13D	0.42206	-0.00034	0.00212	-0.00269	0.00453	0.93888	0.00249	0.31394	-0.00646	-0.00099	-0.00167	-0.02870
1110002-13L 5X	0.05298	-0.00057	-0.00353	L-0.00841	-0.00110	0.16698	-0.00213	0.05957	-0.00864	-0.00177	-0.00220	-0.02589
1110002-13MS	0.41625	0.46863	1.73331	1.75647	1.72174	2.93209	0.49749	0.79709	-0.01036	0.46605	1.92202	-0.02002
1110002-13MSD	0.41479	0.47266	1.75675	1.77641	1.74694	2.96249	0.49909	0.80989	-0.00790	0.47374	1.93802	-0.02346
1110002-19	0.16776	-0.00022	0.00294	-0.00043	0.00463	0.33691	0.00214	0.13337	-0.01127	-0.00256	-0.00092	-0.02307
1110002-20	0.15613	-0.00435	-0.00127	L-0.00814	0.00216	0.31063	0.00125	0.13815	-0.00888	-0.00263	-0.00479	-0.03737
CCV	5.00629	0.49883	0.98137	0.98095	0.98158	4.86316	1.03390	0.50534	0.31772	0.48310	0.52044	5.11656
CCB	-0.03418	-0.00274	-0.00156	-0.00493	0.00012	-0.02194	0.00214	-0.00342	-0.00581	-0.00126	0.00276	-0.01252
1110002-22	0.22152	-0.00224	0.00141	-0.00296	0.00359	0.41073	0.00178	0.11224	-0.00302	-0.00199	-0.00668	-0.02681
1110002-23	0.19391	-0.00114	-0.00066	L-0.00687	0.00244	0.32528	0.00285	0.10934	-0.00732	-0.00267	-0.00465	-0.02463
EX111012-11MB	0.03700	-0.00137	-0.00064	-0.00279	0.00044	0.01251	-0.00409	-0.00393	-0.00350	-0.00231	-0.00447	-0.02338
EX111012-11RVS	0.89456	0.09820	0.04331	0.04410	0.04292	0.24436	0.10048	0.04700	-0.00608	0.04654	0.10156	0.51976
EX111012-11LCS	0.04427	-0.00281	-0.00307	L-0.00631	-0.00146	0.00256	-0.00178	-0.00364	-0.03659	-0.00178	-0.00818	-0.01749
1109326-4	5.11447	-0.00016	-0.00048	-0.00312	0.00083	0.59037	-0.00160	0.08901	-0.00857	-0.00234	-0.00305	-0.01438
1109326-4D	5.12032	-0.00159	-0.00201	L-0.00698	0.00047	0.58750	-0.00409	0.08926	-0.01168	-0.00233	-0.00447	-0.02711
1109326-4L 5X	1.04146	-0.00079	-0.00133	-0.00329	-0.00035	0.09944	-0.00035	0.01460	-0.00618	-0.00196	-0.00347	-0.01965
1109326-4MS	5.11447	-0.00262	-0.00272	L-0.00819	0.00001	0.57179	-0.00142	0.08700	-0.03976	-0.00178	-0.00860	-0.02525
1109326-4MSD	5.07792	-0.00183	-0.00225	L-0.00835	0.00080	0.57917	-0.00587	0.08701	-0.03452	-0.00162	-0.00347	-0.01562
CCV	5.00921	0.50174	0.97223	0.97809	0.96931	4.83395	1.03069	0.50210	0.31412	0.48141	0.51513	5.11910
CCB	-0.03418	-0.00171	-0.00109	-0.00472	0.00073	-0.02416	-0.00356	-0.00365	-0.00536	-0.00153	0.00071	-0.02028
1109326-5	3.52828	0.00131	-0.00269	-0.00328	-0.00239	0.35365	0.00018	0.04522	-0.00529	-0.00215	-0.00310	-0.00629
1109326-6	6.67013	-0.00093	-0.00192	L-0.00713	0.00069	0.54547	-0.00231	0.09811	-0.00600	-0.00221	-0.00724	-0.01344
1110041-1 5X	-0.00948	-0.00279	-0.00200	L-0.00676	0.00037	0.87392	0.00018	0.04641	-0.00558	-0.00169	0.00016	-0.02183
1110041-3 5X	-0.01820	-0.00268	-0.00166	-0.00307	-0.00095	0.89410	0.00303	0.05129	-0.00299	-0.00141	0.00181	-0.02464
1110041-3D 5X	-0.01094	-0.00034	0.00056	-0.00137	0.00153	0.88246	-0.00035	0.05105	-0.00372	-0.00138	-0.00245	-0.02778
1110041-3L 25X	-0.02691	-0.00303	-0.00226	-0.00307	-0.00185	0.16067	-0.00409	0.00975	-0.00463	-0.00160	0.00216	-0.02028
1110041-3MS 5X	1.88263	0.09494	0.37556	0.38499	0.37085	1.24600	0.09580	0.14539	-0.00861	0.08817	0.39597	-0.02259
1110041-3MSD 5X	1.91321	0.09853	0.38049	0.38091	0.38028	1.27057	0.09758	0.14723	-0.01260	0.09020	0.40688	-0.02415
1110041-3A	0.01812	-0.00320	-0.00273	L-0.00612	-0.00104	4.70150	-0.00142	0.25444	-0.03772	-0.00006	0.00193	-0.03869
1110062-1 5X	27.37808	-0.00354	-0.00197	-0.00428	-0.00082	0.82736	-0.00107	0.34179	-0.00362	-0.00173	-0.00097	-0.02525
CCV	4.93905	0.49012	0.95184	0.95905	0.94824	4.75231	1.01588	0.49616	0.30781	0.47080	0.50742	5.04315
CCB	-0.03563	-0.00206	-0.00248	L-0.00819	0.00037	-0.02579	-0.00124	-0.00360	-0.00303	-0.00140	0.00253	-0.01904
1110062-3 5X	27.66657	-0.00126	-0.00212	-0.00434	-0.00101	0.93995	-0.00196	0.34564	-0.00449	0.00044	-0.00170	-0.01879
IP111013-8MB	-0.04289	-0.00269	-0.00304	-0.00428	-0.00243	-0.02694	0.00143	-0.00394	-0.00569	-0.00173	-0.00175	-0.02121
IP111013-8LCS	-0.02837	-0.00149	-0.00165	-0.00390	-0.00053	-0.02693	0.00125	-0.00367	-0.04108	-0.00139	0.00089	-0.02556
1110158-1 2X	H251.60505	0.00182	0.00862	0.00738	0.00925	9.42296	-0.00017	2.14923	-0.03286	-0.00261	-0.00171	-0.03270
1110158-1D 2X	H249.48846	0.00015	0.00857	0.00600	0.00985	9.33861	0.00125	2.14228	-0.03108	-0.00271	-0.00031	-0.04451
1110158-1L 10X	21.11296	-0.00071	-0.00228	L-0.00549	-0.00067	0.79128	-0.00142	0.18356	-0.00565	-0.00200	-0.00365	-0.02338
1110158-1MS 2X	H248.00024	0.00088	0.00943	0.00701	0.01064	9.23873	-0.00195	2.11227	-0.03607	-0.00230	0.00121	-0.01562
1110158-1MSD 2X	H250.44881	0.00102	0.00787	0.00759	0.00801	9.30345	-0.00106	2.13389	-0.03929	-0.00246	-0.00386	-0.03213
1110158-2 2X	H248.17469	0.00053	0.00746	0.00546	0.00846	9.27791	0.00089	2.11489	-0.02627	-0.00247	0.00079	-0.02649
1110158-3 2X	H247.41623	0.00029	0.00950	0.00441	0.01204	9.26409	0.00143	2.11675	-0.03082	-0.00279	-0.00139	-0.03177
CCV	4.94051	0.49383	0.94627	0.95223	0.94330	4.73038	1.01428	0.49545	0.30946	0.46491	0.51372	5.00837
CCB	-0.03273	-0.00102	-0.00162	L-0.00504	0.00008	-0.02645	-0.00071	-0.00352	-0.00360	-0.00153	-0.00142	-0.01034
1110158-4 2X	H248.32854	0.00137	0.01039	0.01023	0.01046	9.13475	0.00000	2.14121	-0.02892	-0.00231	-0.00004	0.01950
1110158-5 2X	H251.12171	0.00124	0.00760	0.00559	0.00860	9.22712	0.00516	2.16292	-0.03226	-0.00263	0.00245	0.00334
1110158-6 2X	H249.88036	0.00094	0.00849	0.00388	0.01079	9.17346	0.00071	2.15354	-0.02887	-0.00239	0.00041	-0.00071
1110158-7 2X	H243.46090	-0.00056	0.00868	0.00784	0.00910	9.02759	0.00249	2.13030	-0.02623	-0.00263	-0.00051	-0.00629
1110158-8 2X	H247.57004	0.00021	0.00992	0.00860	0.01057	9.13218	-0.00035	2.16201	-0.03419	-0.00267	0.00230	-0.01810

Sample Id1	S	Sb	Se	Se I	Se II	Si	Sn	Sr	Th	Ti	Tl	U
1110158-9 2X	H241.61796	0.00183	0.01138	0.01142	0.01136	8.97219	0.00072	2.12960	-0.03024	-0.00273	-0.00165	-0.01251
1110158-10 2X	H245.33815	0.00126	0.00774	0.00689	0.00817	9.08685	0.00089	2.10748	-0.03001	-0.00263	-0.00171	-0.02960
1110158-11 2X	H246.17854	0.00146	0.00866	0.00755	0.00921	9.15786	-0.00035	2.12537	-0.02980	-0.00262	0.00420	-0.02525
1110158-12 2X	H241.63450	0.00053	0.00950	0.00679	0.01086	8.98300	-0.00391	2.09229	-0.02667	-0.00249	0.00198	-0.01810
IP111013-9MB	0.00940	-0.00365	-0.00150	-0.00466	0.00008	-0.02661	0.00054	-0.00354	0.00145	-0.00165	0.00239	-0.01655
CCV	4.92735	0.49760	0.95044	0.96414	0.94361	4.71840	1.02482	0.49579	0.31407	0.46075	0.51629	4.97811
CCB	-0.02401	-0.00263	0.00150	0.00211	0.00119	-0.02623	0.00000	-0.00334	-0.00287	-0.00146	0.00031	-0.01376
IP111013-9LCS	-0.02546	-0.00377	-0.00299	-0.00483	-0.00207	-0.03030	-0.00249	-0.00362	-0.03517	-0.00141	-0.00052	-0.02494
1110158-13 2X	H248.73127	-0.00141	0.00943	0.01052	0.00889	9.30878	0.00178	2.12787	-0.03213	-0.00268	-0.00143	-0.03457
1110158-13D 2X	H244.53570	0.00053	0.00663	0.00354	0.00817	9.15614	-0.00071	2.09694	-0.02998	-0.00267	0.00284	-0.01934
1110158-13L 10X	21.05182	-0.00339	-0.00041	-0.00076	-0.00024	0.78748	-0.00160	0.18267	-0.00746	-0.00204	-0.00088	-0.02338
1110158-13MS 2X	H244.83283	0.00088	0.00680	0.00442	0.00799	9.11594	0.00071	2.09272	-0.03814	-0.00244	0.00243	-0.02338
1110158-13MSD 2X	H247.66829	0.00092	0.00703	0.00430	0.00839	9.23224	-0.00178	2.11949	-0.03753	-0.00246	-0.00021	-0.02960
1110158-14 2X	H247.04733	0.00105	0.00484	0.00039	0.00706	9.24697	-0.00035	2.12108	-0.03001	-0.00268	-0.00003	-0.03115
1110158-15 2X	H244.84761	-0.00104	0.00902	0.00398	0.01154	9.18199	0.00178	2.11431	-0.02916	-0.00258	-0.00193	-0.02245
1110158-16 2X	H245.34721	0.00115	0.00790	0.00764	0.00803	9.05242	0.00321	2.14495	-0.02730	-0.00256	0.00046	0.01484
1110158-17 2X	H244.94385	0.00216	0.00950	0.00813	0.01018	9.04459	-0.00017	2.14494	-0.02811	-0.00262	-0.00091	0.01360
CCV	4.95659	0.50081	0.95008	0.96947	0.94039	4.71319	1.02696	0.49850	0.30862	0.45726	0.52140	4.99528
CCB	-0.00367	-0.00331	0.00000	-0.00246	0.00123	-0.02529	-0.00107	-0.00312	-0.00005	-0.00137	-0.00242	-0.02091
1110158-18 2X	H246.89722	0.00055	0.01031	0.00929	0.01082	9.06431	-0.00338	2.14155	-0.02921	-0.00256	-0.00145	0.01266
1110158-19 2X	H248.20986	0.00202	0.00793	0.00630	0.00875	9.12852	0.00054	2.15971	-0.02598	-0.00255	-0.00069	-0.00785
1110158-20 2X	H247.14369	-0.00074	0.01008	0.01147	0.00939	9.12478	0.00374	2.15844	-0.03267	-0.00276	-0.00033	-0.01437
1110158-21 2X	H248.29701	0.00117	0.00781	0.01109	0.00617	9.17711	0.00249	2.16028	-0.02937	-0.00274	0.00181	-0.00754
1110158-22 2X	H248.28799	0.00093	0.01183	0.01399	0.01075	9.19156	-0.00089	2.11988	-0.02998	-0.00263	0.00139	-0.02525
1110158-23 2X	H248.03731	0.00098	0.00929	0.00893	0.00946	9.15977	0.00552	2.11940	-0.03069	-0.00250	-0.00260	-0.02277
1110158-24 2X	H247.92605	-0.00014	0.00879	0.00980	0.00828	9.15447	-0.00142	2.12089	-0.02486	-0.00262	-0.00053	-0.03892
1110158-4	H488.37185	0.00304	0.02016	0.02086	0.01981	18.24464	0.00161	4.26001	-0.03950	-0.00354	-0.00249	0.02727
1110158-5	H485.30212	0.00236	0.01887	0.01756	0.01952	18.18380	-0.00035	4.23838	-0.03647	-0.00356	-0.00054	0.02851
1110158-6	H477.20918	0.00332	0.02086	0.02158	0.02050	17.91835	0.00089	4.19297	-0.03471	-0.00337	0.00031	0.04060
CCV	5.11447	0.49248	0.97147	0.98102	0.96670	4.79354	1.01838	0.49848	0.31214	0.47033	0.51435	5.07979
CCB	0.01957	-0.00216	-0.00232	-0.00340	-0.00178	-0.01900	-0.00018	-0.00291	-0.00195	-0.00117	-0.00178	-0.01967
1110158-16	H498.68892	0.00548	0.02105	0.02620	0.01848	18.42064	0.00018	4.20315	L-0.05175	-0.00372	-0.00104	0.02696
1110158-17	H506.02592	0.00838	0.01902	0.02061	0.01823	18.58422	0.00570	4.22631	-0.04477	-0.00355	0.00243	0.05461
1110158-18	H507.77700	0.00379	0.02171	0.02065	0.02224	18.58776	0.00072	4.20296	-0.04439	-0.00347	0.00119	0.03473
ZZZ	0.44677	0.12894	0.01040	0.00920	0.01101	0.10683	0.10727	0.02152	0.00638	0.02063	0.02313	0.20610
ZZZ	0.04572	0.00120	-0.00293	L-0.01152	0.00135	-0.02439	0.00071	-0.00201	-0.03290	0.00018	0.00137	0.05563
CRI	0.29059	0.12778	0.00614	0.00248	0.00797	0.09596	0.10870	0.02021	0.00732	0.02050	0.02192	0.20794
ICSA	0.06364	-0.00463	-0.00173	L-0.01428	0.00454	-0.02661	0.00303	-0.00188	-0.03823	0.00020	-0.00159	0.04821
ICSAB	1.10869	0.56384	0.04746	0.03557	0.05339	0.92454	1.04499	1.00303	0.02948	0.92591	0.09894	10.33196
CCV	5.20508	0.46455	0.95787	0.96605	0.95379	4.76199	1.01713	0.49447	0.31311	0.46652	0.51267	5.02566
CCB	-0.01450	-0.00198	0.00029	-0.00274	0.00180	-0.02274	-0.00053	-0.00334	-0.00392	-0.00144	-0.00055	-0.02247

Sample Id1	V	Zn	Zr
MIXBHIGH	4.93171	9.66182	L-0.06497
MIXAHIGH	-0.00852	-0.00291	0.00558
MIXCHIGH	L-0.01043	-0.00232	H5.02235
ICV	0.25417	0.51912	0.51510
ICB	-0.00031	-0.00128	0.00051
CRI	0.10966	0.05874	0.05560
ICSA	-0.00671	-0.00084	0.00550
ZZZ	0.48705	0.96208	0.50539
ICSAB	0.49095	0.96223	0.50980
CCV	0.50437	1.01554	1.01293
CCB	0.00012	-0.00143	0.00071
F111011-1MB	-0.00020	-0.00054	-0.00048
F111011-1RVS	0.05173	0.05149	0.05062
F111011-1LCS	0.51383	0.50740	0.00731
1110041-1	-0.00005	0.01187	-0.00050
1110041-3	-0.00026	0.07027	-0.00069
1110041-3D	-0.00015	0.07086	-0.00071
1110041-3L 5X	0.00003	0.01424	-0.00020
1110041-3MS	0.48303	0.55385	0.00149
1110041-3MSD	0.49202	0.56498	0.00011
1110046-1	0.00029	0.19884	-0.00097
CCV	0.49181	0.97563	0.98489
CCB	0.00027	-0.00054	0.00094
1110046-2	0.00014	0.00227	-0.00035
1110062-1	-0.00036	0.11228	0.00267
1110062-3	0.00020	0.25851	0.00011
1110079-1	-0.00154	0.00271	-0.00211
1110079-3	-0.00010	0.00522	-0.00164
1110106-1	0.00040	0.14660	0.00027
EX111012-13MB	0.00002	-0.00069	-0.00017
EX111012-13RVS	0.04972	0.04676	0.04585
EX111012-13LCS	0.49960	0.49405	0.00221
1110002-14	-0.00012	-0.00025	-0.00033
CCV	0.50016	0.99246	1.00773
CCB	0.00082	-0.00069	0.00106
1110002-15	-0.00007	-0.00128	0.00032
1110002-16	-0.00055	-0.00232	0.00031
1110002-17	0.00012	-0.00084	0.00038
1110002-18	0.00023	-0.00054	0.00014
1110002-21	0.00084	-0.00054	0.00047
1110002-24	-0.00034	-0.00099	-0.00004
1110002-24D	0.00030	-0.00054	-0.00010
1110002-24L 5X	-0.00038	-0.00158	-0.00065
1110002-24MS	0.49869	0.47995	0.00292
1110002-24MSD	0.49773	0.47966	0.00017
CCV	0.49344	0.96193	0.99595
CCB	-0.00016	-0.00128	0.00037
EX111012-12MB	-0.00079	-0.00113	-0.00007
EX111012-12RVS	0.05034	0.04661	0.05127
EX111012-12LCS	0.50677	0.49034	0.00375

Sample Id1	V	Zn	Zr
1110002-13	0.00142	-0.00143	-0.00052
1110002-13D	0.00164	-0.00099	-0.00045
1110002-13L 5X	-0.00015	-0.00010	-0.00058
1110002-13MS	0.48245	0.45014	0.00093
1110002-13MSD	0.49047	0.45741	-0.00001
1110002-19	0.00030	0.00005	-0.00020
1110002-20	-0.00040	-0.00143	-0.00065
CCV	0.49658	0.97458	1.00167
CCB	0.00049	-0.00084	0.00066
1110002-22	-0.00016	-0.00025	-0.00009
1110002-23	0.00029	-0.00069	0.00014
EX111012-11MB	-0.00044	-0.00158	-0.00040
EX111012-11RVS	0.05126	0.04691	0.05136
EX111012-11LCS	0.00021	-0.00113	0.00199
1109326-4	-0.00019	0.00020	0.00008
1109326-4D	-0.00051	-0.00173	0.00006
1109326-4L 5X	-0.00020	0.00005	-0.00031
1109326-4MS	-0.00014	-0.00143	0.00182
1109326-4MSD	0.00056	-0.00054	0.00166
CCV	0.49659	0.97116	1.00093
CCB	-0.00005	-0.00054	0.00033
1109326-5	0.00041	-0.00173	0.00036
1109326-6	0.00043	-0.00128	0.00010
1110041-1 5X	-0.00025	0.00049	0.00107
1110041-3 5X	-0.00047	0.01261	0.00006
1110041-3D 5X	-0.00015	0.01261	-0.00011
1110041-3L 25X	-0.00034	0.00197	-0.00057
1110041-3MS 5X	0.09533	0.10754	0.00145
1110041-3MSD 5X	0.09653	0.10740	0.00067
1110041-3A	-0.00030	0.06598	0.00104
1110062-1 5X	-0.00034	0.02148	-0.00087
CCV	0.48731	0.93855	0.98531
CCB	0.00034	-0.00054	0.00016
1110062-3 5X	0.00036	0.04957	0.00222
IP111013-8MB	-0.00035	-0.00113	-0.00059
IP111013-8LCS	-0.00014	-0.00113	0.00159
1110158-1 2X	0.00025	0.00079	-0.00040
1110158-1D 2X	-0.00005	0.00005	-0.00084
1110158-1L 10X	-0.00027	-0.00054	-0.00080
1110158-1MS 2X	0.00034	0.00020	-0.00032
1110158-1MSD 2X	0.00033	-0.00069	-0.00030
1110158-2 2X	0.00027	-0.00099	-0.00109
1110158-3 2X	0.00025	-0.00069	-0.00093
CCV	0.48577	0.93424	0.98302
CCB	0.00034	-0.00143	0.00049
1110158-4 2X	0.00086	-0.00054	0.00148
1110158-5 2X	0.00069	-0.00099	0.00035
1110158-6 2X	0.00044	-0.00099	-0.00061
1110158-7 2X	0.00052	-0.00084	-0.00074
1110158-8 2X	0.00052	-0.00084	-0.00049

Sample Id1	V	Zn	Zr
1110158-9 2X	0.00047	-0.00187	-0.00076
1110158-10 2X	0.00060	-0.00099	-0.00075
1110158-11 2X	0.00063	-0.00069	-0.00084
1110158-12 2X	0.00045	0.00108	-0.00111
IP111013-9MB	-0.00051	-0.00128	-0.00100
CCV	0.48853	0.94332	0.98690
CCB	0.00029	-0.00158	0.00034
IP111013-9LCS	-0.00057	-0.00232	0.00144
1110158-13 2X	0.00017	0.00079	0.00011
1110158-13D 2X	0.00060	0.00094	-0.00037
1110158-13L 10X	-0.00035	-0.00173	-0.00066
1110158-13MS 2X	0.00062	0.00167	0.00000
1110158-13MSD 2X	0.00056	-0.00025	-0.00026
1110158-14 2X	0.00065	0.00020	-0.00074
1110158-15 2X	0.00060	0.00034	-0.00079
1110158-16 2X	0.00080	0.00049	-0.00059
1110158-17 2X	0.00069	-0.00069	-0.00064
CCV	0.48822	0.93022	0.98963
CCB	-0.00010	-0.00025	0.00024
1110158-18 2X	0.00038	0.00005	0.00110
1110158-19 2X	0.00060	0.00034	-0.00044
1110158-20 2X	0.00027	-0.00069	-0.00017
1110158-21 2X	0.00082	-0.00069	-0.00053
1110158-22 2X	0.00063	-0.00025	-0.00070
1110158-23 2X	0.00042	-0.00143	-0.00070
1110158-24 2X	0.00052	-0.00084	-0.00120
1110158-4	0.00125	-0.00025	-0.00173
1110158-5	0.00141	-0.00025	-0.00195
1110158-6	0.00160	-0.00040	-0.00217
CCV	0.49046	0.95151	0.99217
CCB	0.00021	-0.00040	0.00046
1110158-16	0.00104	-0.00010	0.00128
1110158-17	0.00258	-0.00054	-0.00034
1110158-18	0.00128	0.00079	-0.00130
ZZZ	0.11045	0.05711	0.05132
ZZZ	-0.00571	-0.00202	0.00476
CRI	0.10948	0.05608	0.05800
ICSA	-0.00565	-0.00246	0.00524
ICSAB	0.48397	0.92590	0.50586
CCV	0.48927	0.95419	0.98907
CCB	-0.00012	-0.00099	0.00027

Method : Paragon File : 111014A Printed : 10/17/2011 09:54:21
SampleId1 : RL2 **SampleId2 :** **[STD]**
Analysis commenced : 10/14/2011 10:55:54
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE3

Raw intensities

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.092	0.238	0.199	0.325	0.037	0.642	0.130	0.319	0.109
#2	0.092	0.239	0.201	0.329	0.037	0.642	0.128	0.318	0.108
Mean	**0.092**	**0.239**	**0.200**	**0.327**	**0.037**	**0.642**	**0.129**	**0.318**	**0.109**
%RSD	0.539	0.326	0.777	0.670	0.385	0.022	1.100	0.133	0.585

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.091	0.169	0.066	0.196	1.359	1.188	0.266	0.018	0.115
#2	0.091	0.170	0.066	0.196	1.359	1.190	0.267	0.018	0.116
Mean	**0.091**	**0.170**	**0.066**	**0.196**	**1.359**	**1.189**	**0.266**	**0.018**	**0.115**
%RSD	0.388	0.208	0.320	0.180	0.016	0.125	0.133	0.392	0.920

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	3.847	0.230	0.144	1.794	0.551	0.016	0.180	0.365	0.256
#2	3.866	0.233	0.146	1.800	0.546	0.016	0.179	0.366	0.258
Mean	**3.856**	**0.232**	**0.145**	**1.797**	**0.548**	**0.016**	**0.179**	**0.366**	**0.257**
%RSD	0.345	1.008	1.023	0.216	0.645	0.868	0.276	0.097	0.468

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.425	0.077	0.466	0.472	0.564	0.240	0.168	0.116	0.025
#2	0.430	0.077	0.467	0.468	0.564	0.240	0.168	0.115	0.025
Mean	**0.427**	**0.077**	**0.467**	**0.470**	**0.564**	**0.240**	**0.168**	**0.116**	**0.025**
%RSD	0.761	0.000	0.182	0.572	0.013	0.265	0.000	0.610	1.428

	Zr	**Pb**	**Se**
	Reading	Reading	Reading
#1	0.337		
#2	0.337		
Mean	**0.337**	**0.000**	**0.000**
%RSD	0.063	0.000	0.000

Method : Paragon File : 111014A Printed : 10/17/2011 09:54:21
SampleId1 : B3 **SampleId2 :** **[STD]**
Analysis commenced : 10/14/2011 10:57:47
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE4

Raw intensities

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.118	0.147	0.230	0.207	0.312	1.024	0.114	0.032	0.404
#2	0.118	0.146	0.230	0.206	0.312	1.019	0.113	0.032	0.407
Mean	**0.118**	**0.147**	**0.230**	**0.206**	**0.312**	**1.021**	**0.114**	**0.032**	**0.406**
%RSD	0.060	0.386	0.031	0.103	0.068	0.360	0.871	0.441	0.540

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.157	0.485	0.179	0.033	0.509	0.075	0.076	0.128	0.209
#2	0.156	0.486	0.178	0.032	0.508	0.076	0.075	0.128	0.210
Mean	**0.156**	**0.485**	**0.178**	**0.032**	**0.509**	**0.076**	**0.075**	**0.128**	**0.210**
%RSD	0.181	0.204	0.238	1.090	0.139	0.375	0.281	0.000	0.506

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.119	0.544	0.279	2.190	0.773	0.010	0.173	0.386	0.298
#2	0.124	0.540	0.277	2.196	0.774	0.010	0.171	0.389	0.297
Mean	**0.122**	**0.542**	**0.278**	**2.193**	**0.774**	**0.010**	**0.172**	**0.387**	**0.297**
%RSD	2.501	0.535	0.610	0.193	0.110	1.386	0.823	0.529	0.214

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.693	0.094	1.145	0.423	1.301	0.276	0.103	0.228	0.054
#2	0.690	0.094	1.144	0.421	1.306	0.275	0.104	0.229	0.054
Mean	**0.691**	**0.094**	**1.145**	**0.422**	**1.303**	**0.275**	**0.104**	**0.228**	**0.054**
%RSD	0.358	0.602	0.080	0.251	0.239	0.411	0.273	0.248	0.261

	Zr	Pb	Se
	Reading	Reading	Reading
#1	0.218		
#2	0.212		
Mean	**0.215**	**0.000**	**0.000**
%RSD	2.205	0.000	0.000

Method : Paragon File : 111014A Printed : 10/17/2011 09:54:21
SampleId1 : B2 **SampleId2 :** **[STD]**
Analysis commenced : 10/14/2011 10:59:40
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE5

Raw intensities

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.528	0.156	0.731	1.627	2.996	6.885	0.123	0.035	3.358
#2	0.529	0.156	0.733	1.626	3.001	6.902	0.121	0.035	3.356
Mean	**0.528**	**0.156**	**0.732**	**1.626**	**2.998**	**6.893**	**0.122**	**0.035**	**3.357**
%RSD	0.107	0.136	0.232	0.013	0.118	0.169	1.451	0.200	0.042

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo

	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.874	3.654	1.291	0.035	0.516	0.077	0.078	1.209	1.565
#2	0.876	3.665	1.289	0.035	0.519	0.078	0.078	1.212	1.565
Mean	**0.875**	**3.660**	**1.290**	**0.035**	**0.518**	**0.077**	**0.078**	**1.211**	**1.565**
%RSD	0.194	0.211	0.093	0.000	0.341	0.183	0.544	0.216	0.027

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.132	3.999	2.146	6.712	3.269	0.011	0.359	0.773	0.903
#2	0.132	4.008	2.162	6.731	3.272	0.010	0.360	0.785	0.893
Mean	**0.132**	**4.004**	**2.154**	**6.721**	**3.271**	**0.010**	**0.359**	**0.779**	**0.898**
%RSD	0.000	0.157	0.538	0.199	0.069	1.360	0.059	1.044	0.819

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	4.687	0.340	11.105	0.650	11.814	0.804	0.107	1.459	0.390
#2	4.696	0.342	11.115	0.653	11.843	0.792	0.107	1.462	0.390
Mean	**4.691**	**0.341**	**11.110**	**0.652**	**11.829**	**0.798**	**0.107**	**1.461**	**0.390**
%RSD	0.125	0.435	0.063	0.358	0.175	1.001	0.265	0.179	0.073

	Zr	**Pb**	**Se**
	Reading	Reading	Reading
#1	0.291		
#2	0.281		
Mean	**0.286**	**0.000**	**0.000**
%RSD	2.570	0.000	0.000

Method : Paragon File : 111014A Printed : 10/17/2011 09:54:21
SampleId1 : B1 **SampleId2 :** **[STD]**
Analysis commenced : 10/14/2011 11:01:32
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE6

Raw intensities

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	4.552	0.240	5.578	15.589	28.568	64.636	0.174	0.051	31.522
#2	4.546	0.240	5.564	15.571	28.589	64.322	0.178	0.051	31.343
Mean	**4.549**	**0.240**	**5.571**	**15.580**	**28.578**	**64.479**	**0.176**	**0.051**	**31.432**
%RSD	0.092	0.118	0.178	0.080	0.053	0.344	1.767	0.139	0.402

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	7.993	35.005	12.378	0.060	0.528	0.088	0.092	11.436	14.815
#2	7.941	34.805	12.400	0.061	0.520	0.088	0.092	11.383	14.773
Mean	**7.967**	**34.905**	**12.389**	**0.060**	**0.524**	**0.088**	**0.092**	**11.410**	**14.794**
%RSD	0.461	0.406	0.124	0.941	1.052	0.643	0.308	0.329	0.202

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading

#1	0.174	38.209	18.985	51.364	27.994	0.013	2.219	4.624	6.842
#2	0.221	37.987	19.016	51.159	27.996	0.014	2.214	4.602	6.855
Mean	**0.198**	**38.098**	**19.001**	**51.261**	**27.995**	**0.013**	**2.216**	**4.613**	**6.849**
%RSD	16.573	0.411	0.112	0.282	0.005	4.318	0.144	0.334	0.128

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	43.248	2.778	101.698	2.952	116.352	6.007	0.127	13.686	3.641
#2	43.323	2.767	101.614	2.944	116.142	6.019	0.126	13.619	3.604
Mean	**43.286**	**2.772**	**101.656**	**2.948**	**116.247**	**6.013**	**0.127**	**13.652**	**3.622**
%RSD	0.122	0.286	0.059	0.199	0.128	0.139	0.725	0.346	0.722

	Zr	**Pb**	**Se**
	Reading	Reading	Reading
#1	0.850		
#2	0.844		
Mean	**0.847**	**0.000**	**0.000**
%RSD	0.559	0.000	0.000

Method : Paragon File : 111014A Printed : 10/17/2011 09:54:21
SampleId1 : A5 **SampleId2 :** **[STD]**
Analysis commenced : 10/14/2011 11:03:25
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE7

Raw intensities

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.075	1.315	0.184	0.070	0.019	0.393	0.115	1.902	0.086
#2	0.074	1.313	0.182	0.066	0.018	0.391	0.111	1.895	0.086
Mean	**0.074**	**1.314**	**0.183**	**0.068**	**0.019**	**0.392**	**0.113**	**1.899**	**0.086**
%RSD	0.760	0.054	0.736	3.439	2.293	0.469	2.690	0.238	0.247

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.078	0.143	0.057	1.810	1.661	3.151	1.289	0.011	0.074
#2	0.077	0.141	0.057	1.813	1.662	3.165	1.289	0.010	0.071
Mean	**0.078**	**0.142**	**0.057**	**1.812**	**1.661**	**3.158**	**1.289**	**0.010**	**0.072**
%RSD	0.729	0.795	0.497	0.109	0.026	0.307	0.005	1.347	3.421

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	3.275	0.163	0.077	1.716	0.514	0.010	0.151	0.347	0.233
#2	3.287	0.161	0.075	1.705	0.512	0.010	0.151	0.346	0.235
Mean	**3.281**	**0.162**	**0.076**	**1.711**	**0.513**	**0.010**	**0.151**	**0.346**	**0.234**
%RSD	0.269	1.006	2.324	0.480	0.317	0.711	0.281	0.184	0.483

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.275	0.067	0.073	0.454	0.206	0.221	0.108	0.096	0.018

#2	0.272	0.067	0.071	0.449	0.196	0.220	0.106	0.095	0.018
Mean	**0.274**	**0.067**	**0.072**	**0.452**	**0.201**	**0.221**	**0.107**	**0.096**	**0.018**
%RSD	0.827	0.000	1.576	0.846	3.514	0.256	0.991	0.811	1.169

	Zr	**Pb**	**Se**
	Reading	Reading	Reading
#1	0.176		
#2	0.175		
Mean	**0.175**	**0.000**	**0.000**
%RSD	0.685	0.000	0.000

Method : Paragon File : 111014A Printed : 10/17/2011 09:54:21
SampleId1 : A4 **SampleId2 :** **[STD]**
Analysis commenced : 10/14/2011 11:05:18
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE8

Raw intensities

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.080	11.432	0.205	0.066	0.016	0.397	0.114	18.394	0.087
#2	0.078	11.516	0.202	0.064	0.016	0.397	0.116	18.428	0.086
Mean	**0.079**	**11.474**	**0.203**	**0.065**	**0.016**	**0.397**	**0.115**	**18.411**	**0.087**
%RSD	1.164	0.515	1.009	2.162	0.000	0.053	0.860	0.131	0.327

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.081	0.159	0.057	17.096	10.090	29.991	11.947	0.011	0.077
#2	0.080	0.157	0.057	17.169	10.163	30.261	12.004	0.011	0.077
Mean	**0.081**	**0.158**	**0.057**	**17.133**	**10.127**	**30.126**	**11.976**	**0.011**	**0.077**
%RSD	0.263	0.671	0.372	0.299	0.509	0.634	0.337	0.634	0.184

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	27.512	0.164	0.077	1.976	0.586	0.011	0.194	0.411	0.272
#2	27.740	0.164	0.079	1.962	0.587	0.011	0.192	0.409	0.276
Mean	**27.626**	**0.164**	**0.078**	**1.969**	**0.586**	**0.011**	**0.193**	**0.410**	**0.274**
%RSD	0.584	0.302	1.181	0.499	0.084	1.992	0.513	0.362	1.033

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.284	0.075	0.042	0.761	0.188	0.254	0.142	0.113	0.022
#2	0.285	0.075	0.043	0.758	0.188	0.247	0.142	0.113	0.022
Mean	**0.285**	**0.075**	**0.042**	**0.759**	**0.188**	**0.250**	**0.142**	**0.113**	**0.022**
%RSD	0.273	0.470	1.166	0.317	0.000	2.007	0.000	0.501	0.322

	Zr	**Pb**	**Se**
	Reading	Reading	Reading
#1	0.193		
#2	0.190		

Mean	**0.192**	**0.000**	**0.000UNDGREEN**
%RSD	1.180	0.000	0.000

Method : Paragon File : 111014A Printed : 10/17/2011 09:54:22
SampleId1 : A3 **SampleId2 :** **[STD]**
Analysis commenced : 10/14/2011 11:07:11
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE9

Raw intensities

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.082	22.699	0.226	0.070	0.018	0.411	0.120	35.895	0.090
#2	0.081	22.694	0.229	0.069	0.018	0.412	0.118	35.758	0.093
Mean	**0.081**	**22.696**	**0.227**	**0.070**	**0.018**	**0.412**	**0.119**	**35.826**	**0.092**
%RSD	0.522	0.015	1.027	0.813	0.000	0.086	1.309	0.270	2.007

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.084	0.173	0.059	32.748	20.573	65.024	23.519	0.014	0.092
#2	0.084	0.172	0.059	32.705	20.589	65.126	23.531	0.014	0.090
Mean	**0.084**	**0.173**	**0.059**	**32.726**	**20.581**	**65.075**	**23.525**	**0.014**	**0.091**
%RSD	0.084	0.451	0.000	0.094	0.054	0.110	0.037	0.518	1.323

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	54.595	0.175	0.086	2.245	0.680	0.013	0.236	0.475	0.323
#2	54.586	0.174	0.086	2.236	0.672	0.012	0.236	0.476	0.319
Mean	**54.590**	**0.174**	**0.086**	**2.240**	**0.676**	**0.012**	**0.236**	**0.475**	**0.321**
%RSD	0.012	0.527	0.494	0.287	0.826	0.568	0.150	0.134	0.991

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.304	0.085	0.061	0.929	0.202	0.286	0.166	0.125	0.027
#2	0.304	0.085	0.061	0.923	0.202	0.285	0.165	0.125	0.027
Mean	**0.304**	**0.085**	**0.061**	**0.926**	**0.202**	**0.286**	**0.166**	**0.125**	**0.027**
%RSD	0.093	0.000	0.116	0.428	0.000	0.074	0.555	0.226	0.781

	Zr	**Pb**	**Se**
	Reading	Reading	Reading
#1	0.203		
#2	0.202		
Mean	**0.202**	**0.000**	**0.000**
%RSD	0.385	0.000	0.000

Method : Paragon File : 111014A Printed : 10/17/2011 09:54:22
SampleId1 : A2 **SampleId2 :** **[STD]**
Analysis commenced : 10/14/2011 11:09:04
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE10

Raw intensities**1 09:54:23 User: MIKE LUNDGREEN**

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.084	44.186	0.273	0.080	0.017	0.424	0.124	67.834	0.099
#2	0.084	44.212	0.275	0.079	0.017	0.424	0.122	67.938	0.100
Mean	**0.084**	**44.199**	**0.274**	**0.080**	**0.017**	**0.424**	**0.123**	**67.886**	**0.100**
%RSD	0.169	0.042	0.542	0.267	0.410	0.050	0.861	0.108	0.355

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.090	0.189	0.060	59.830	40.547	137.632	45.568	0.017	0.116
#2	0.090	0.187	0.060	59.947	40.540	137.505	45.644	0.017	0.118
Mean	**0.090**	**0.188**	**0.060**	**59.889**	**40.544**	**137.569**	**45.606**	**0.017**	**0.117**
%RSD	0.158	0.640	0.119	0.138	0.011	0.065	0.118	0.422	1.207

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	101.269	0.181	0.094	2.757	0.822	0.012	0.315	0.595	0.409
#2	101.169	0.184	0.095	2.761	0.830	0.013	0.318	0.596	0.408
Mean	**101.219**	**0.182**	**0.095**	**2.759**	**0.826**	**0.012**	**0.317**	**0.596**	**0.408**
%RSD	0.070	0.853	1.045	0.105	0.693	0.568	0.536	0.059	0.017

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.323	0.102	0.083	1.118	0.215	0.347	0.202	0.143	0.036
#2	0.323	0.102	0.083	1.117	0.214	0.345	0.203	0.143	0.036
Mean	**0.323**	**0.102**	**0.083**	**1.117**	**0.215**	**0.346**	**0.203**	**0.143**	**0.036**
%RSD	0.088	0.208	0.255	0.032	0.264	0.368	0.384	0.346	0.983

	Zr	**Pb**	**Se**
	Reading	Reading	Reading
#1	0.214		
#2	0.215		
Mean	**0.214**	**0.000**	**0.000**
%RSD	0.264	0.000	0.000

Method : Paragon File : 111014A Printed : 10/17/2011 09:54:22
SampleId1 : A1 SampleId2 : [STD]
Analysis commenced : 10/14/2011 11:10:57
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE11

Raw intensities

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.089	102.272	0.411	0.112	0.020	0.467	0.136	148.992	0.118
#2	0.090	101.517	0.410	0.114	0.020	0.465	0.139	149.257	0.123
Mean	**0.089**	**101.894**	**0.410**	**0.113**	**0.020**	**0.466**	**0.137**	**149.125**	**0.121**
%RSD	0.475	0.524	0.276	0.813	1.781	0.258	1.649	0.126	2.814

ted: 10/17/2011 09:54:23 User: MIKE LUNDGREEN

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.106	0.227	0.064	121.030	92.403	350.234	106.320	0.026	0.202
#2	0.107	0.229	0.064	121.230	91.602	346.526	106.044	0.026	0.200
Mean	**0.107**	**0.228**	**0.064**	**121.130**	**92.002**	**348.380**	**106.182**	**0.026**	**0.201**
%RSD	0.530	0.435	0.443	0.116	0.616	0.753	0.184	0.268	0.633

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	200.440	0.204	0.120	4.238	1.298	0.016	0.563	0.964	0.662
#2	199.375	0.206	0.120	4.266	1.296	0.016	0.561	0.961	0.661
Mean	**199.907**	**0.205**	**0.120**	**4.252**	**1.297**	**0.016**	**0.562**	**0.963**	**0.662**
%RSD	0.377	0.793	0.177	0.467	0.065	0.907	0.251	0.191	0.086

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.369	0.152	0.154	1.492	0.260	0.531	0.307	0.193	0.063
#2	0.371	0.153	0.155	1.492	0.264	0.545	0.307	0.193	0.063
Mean	**0.370**	**0.152**	**0.154**	**1.492**	**0.262**	**0.538**	**0.307**	**0.193**	**0.063**
%RSD	0.421	0.419	0.366	0.038	1.081	1.894	0.069	0.110	0.225

	Zr	Pb	Se
	Reading	Reading	Reading
#1	0.247		
#2	0.248		
Mean	**0.248**	**0.000**	**0.000**
%RSD	0.514	0.000	0.000

Method : Paragon File : 111014A Printed : 10/17/2011 09:54:22
SampleId1 : C3 SampleId2 : [STD]
Analysis commenced : 10/14/2011 11:12:51
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE12

Raw intensities

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.076	0.160	0.175	0.052	0.014	0.383	0.147	0.054	0.081
#2	0.077	0.156	0.175	0.053	0.014	0.383	0.148	0.048	0.081
Mean	**0.076**	**0.158**	**0.175**	**0.052**	**0.014**	**0.383**	**0.148**	**0.051**	**0.081**
%RSD	1.297	1.750	0.242	1.080	1.017	0.000	0.478	7.795	0.175

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.077	0.139	0.055	0.058	0.519	0.097	0.091	0.009	0.060
#2	0.077	0.141	0.056	0.050	0.519	0.091	0.088	0.009	0.059
Mean	**0.077**	**0.140**	**0.055**	**0.054**	**0.519**	**0.094**	**0.089**	**0.009**	**0.060**
%RSD	0.552	0.556	0.383	9.830	0.014	4.538	2.215	0.808	1.898

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.153	0.162	0.070	1.683	0.503	0.026	0.148	0.338	0.229
#2	0.143	0.158	0.071	1.686	0.503	0.026	0.147	0.340	0.227
Mean	**0.148**	**0.160**	**0.071**	**1.684**	**0.503**	**0.026**	**0.148**	**0.339**	**0.228**
%RSD	4.645	1.988	0.799	0.113	0.042	0.000	0.192	0.313	0.434

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.247	0.065	0.023	0.451	0.147	0.214	0.188	0.093	0.017
#2	0.249	0.065	0.023	0.455	0.150	0.215	0.187	0.094	0.017
Mean	**0.248**	**0.065**	**0.023**	**0.453**	**0.148**	**0.214**	**0.188**	**0.093**	**0.017**
%RSD	0.799	0.218	0.000	0.546	1.096	0.231	0.264	0.682	0.000

	Zr	Pb	Se
	Reading	Reading	Reading
#1	0.478		
#2	0.491		
Mean	**0.485**	**0.000**	**0.000**
%RSD	1.984	0.000	0.000

Method : Paragon File : 111014A Printed : 10/17/2011 09:54:22
SampleId1 : C2 **SampleId2 :** **[STD]**
Analysis commenced : 10/14/2011 11:14:45
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE13

Raw intensities

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.099	0.167	0.177	0.057	0.014	0.417	0.458	0.046	0.082
#2	0.100	0.170	0.177	0.058	0.014	0.416	0.459	0.051	0.082
Mean	**0.099**	**0.168**	**0.177**	**0.057**	**0.014**	**0.416**	**0.458**	**0.048**	**0.082**
%RSD	0.427	1.386	0.040	0.618	1.499	0.204	0.170	7.474	0.431

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.080	0.188	0.063	0.042	0.518	0.080	0.119	0.010	0.059
#2	0.079	0.187	0.063	0.047	0.518	0.085	0.122	0.010	0.060
Mean	**0.080**	**0.188**	**0.063**	**0.044**	**0.518**	**0.082**	**0.121**	**0.010**	**0.059**
%RSD	0.267	0.377	0.335	7.477	0.041	4.218	1.814	0.683	0.595

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.139	0.161	0.069	1.750	0.522	0.175	0.149	0.341	0.228
#2	0.152	0.162	0.073	1.744	0.521	0.175	0.149	0.341	0.228
Mean	**0.145**	**0.161**	**0.071**	**1.747**	**0.522**	**0.175**	**0.149**	**0.341**	**0.228**
%RSD	6.419	0.657	3.865	0.243	0.176	0.041	0.237	0.021	0.000

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn

	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.281	0.066	0.025	0.959	0.177	0.219	0.951	0.108	0.018
#2	0.280	0.067	0.026	0.954	0.178	0.213	0.949	0.108	0.018
Mean	**0.281**	**0.066**	**0.026**	**0.957**	**0.178**	**0.216**	**0.950**	**0.108**	**0.018**
%RSD	0.252	0.852	1.937	0.347	0.558	2.127	0.141	0.000	1.202

	Zr	**Pb**	**Se**
	Reading	Reading	Reading
#1	4.154		
#2	4.250		
Mean	**4.202**	**0.000**	**0.000**
%RSD	1.607	0.000	0.000

Method : Paragon File : 111014A Printed : 10/17/2011 09:54:23
SampleId1 : C1 **SampleId2 :** **[STD]**
Analysis commenced : 10/14/2011 11:16:38
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE14

Raw intensities

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.334	0.333	0.194	0.112	0.016	0.726	3.571	0.111	0.104
#2	0.333	0.333	0.192	0.112	0.016	0.727	3.573	0.114	0.104
Mean	**0.334**	**0.333**	**0.193**	**0.112**	**0.016**	**0.726**	**3.572**	**0.113**	**0.104**
%RSD	0.064	0.000	0.768	0.189	1.746	0.088	0.044	1.817	0.204

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.109	0.665	0.140	0.100	0.527	0.089	0.512	0.025	0.066
#2	0.109	0.663	0.141	0.103	0.528	0.092	0.515	0.025	0.067
Mean	**0.109**	**0.664**	**0.141**	**0.102**	**0.527**	**0.090**	**0.513**	**0.025**	**0.066**
%RSD	0.195	0.170	0.101	1.533	0.054	2.349	0.400	0.557	0.427

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.156	0.219	0.088	2.399	0.774	1.613	0.170	0.393	0.253
#2	0.164	0.221	0.085	2.416	0.777	1.617	0.171	0.390	0.255
Mean	**0.160**	**0.220**	**0.087**	**2.407**	**0.775**	**1.615**	**0.170**	**0.392**	**0.254**
%RSD	3.579	0.611	2.042	0.505	0.347	0.153	0.374	0.632	0.612

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.625	0.077	0.046	5.962	0.468	0.240	8.484	0.259	0.020
#2	0.626	0.078	0.047	5.973	0.473	0.242	8.518	0.260	0.020
Mean	**0.625**	**0.078**	**0.047**	**5.968**	**0.471**	**0.241**	**8.501**	**0.260**	**0.020**
%RSD	0.124	0.817	0.910	0.130	0.646	0.587	0.289	0.300	0.000

	Zr	**Pb**	**Se**
	Reading	Reading	Reading

#1	42.870	**UNDGREEN**	
#2	43.118		
Mean	**42.994**	**0.000**	**0.000**
%RSD	0.408	0.000	0.000

Method : Paragon File : 111014A Printed : 10/17/2011 09:54:23
SampleId1 : BLANK **SampleId2 :** **[STD]**
Analysis commenced : 10/14/2011 11:26:19
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE1

Raw intensities

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.075	0.150	0.177	0.050	0.014	0.391	0.114	0.035	0.082
#2	0.075	0.149	0.177	0.050	0.014	0.390	0.114	0.035	0.081
Mean	**0.075**	**0.150**	**0.177**	**0.050**	**0.014**	**0.390**	**0.114**	**0.035**	**0.082**
%RSD	0.094	0.189	0.200	0.282	0.500	0.199	0.124	0.000	0.950

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.077	0.136	0.054	0.035	0.511	0.077	0.076	0.009	0.059
#2	0.078	0.137	0.055	0.035	0.514	0.077	0.076	0.009	0.059
Mean	**0.077**	**0.137**	**0.055**	**0.035**	**0.512**	**0.077**	**0.076**	**0.009**	**0.059**
%RSD	0.456	0.414	0.518	0.602	0.359	0.183	0.186	0.000	0.000

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.127	0.159	0.070	1.700	0.502	0.011	0.151	0.347	0.228
#2	0.125	0.161	0.073	1.697	0.499	0.010	0.150	0.347	0.228
Mean	**0.126**	**0.160**	**0.072**	**1.699**	**0.500**	**0.010**	**0.150**	**0.347**	**0.228**
%RSD	0.900	0.840	2.370	0.121	0.438	2.694	0.470	0.061	0.031

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.244	0.066	0.023	0.404	0.145	0.217	0.104	0.093	0.018
#2	0.245	0.066	0.023	0.405	0.146	0.214	0.105	0.093	0.018
Mean	**0.244**	**0.066**	**0.023**	**0.404**	**0.145**	**0.215**	**0.105**	**0.093**	**0.018**
%RSD	0.145	0.215	0.303	0.070	0.535	0.986	0.473	0.076	0.401

	Zr	**Pb**	**Se**
	Reading	Reading	Reading
#1	0.195		
#2	0.195		
Mean	**0.195**	**0.000**	**0.000**
%RSD	0.145	0.000	0.000

Method : Paragon File : 111014A Printed : 10/17/2011 09:54:23
SampleId1 : RL **SampleId2 :** **[STD]**
Analysis commenced : 10/14/2011 11:28:18

Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE2

Raw intensities

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.080	0.183	0.186	0.144	0.021	0.481	0.118	0.129	0.090
#2	0.082	0.182	0.182	0.143	0.022	0.480	0.120	0.130	0.091
Mean	**0.081**	**0.183**	**0.184**	**0.144**	**0.022**	**0.480**	**0.119**	**0.130**	**0.091**
%RSD	1.048	0.349	1.498	0.345	1.309	0.162	1.071	0.382	0.312

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.081	0.145	0.058	0.088	0.801	0.454	0.140	0.012	0.077
#2	0.083	0.148	0.059	0.088	0.807	0.452	0.141	0.012	0.079
Mean	**0.082**	**0.146**	**0.058**	**0.088**	**0.804**	**0.453**	**0.140**	**0.012**	**0.078**
%RSD	1.035	1.497	0.485	0.080	0.537	0.281	0.504	0.597	1.548

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.447	0.185	0.097	1.723	0.516	0.013	0.159	0.354	0.238
#2	1.433	0.184	0.098	1.734	0.516	0.012	0.160	0.355	0.238
Mean	**1.440**	**0.185**	**0.097**	**1.728**	**0.516**	**0.012**	**0.159**	**0.354**	**0.238**
%RSD	0.683	0.306	0.727	0.466	0.069	1.718	0.533	0.120	0.059

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	0.302	0.070	0.193	0.425	0.286	0.226	0.125	0.099	0.020
#2	0.303	0.070	0.193	0.427	0.289	0.221	0.126	0.101	0.020
Mean	**0.302**	**0.070**	**0.193**	**0.426**	**0.287**	**0.223**	**0.125**	**0.100**	**0.020**
%RSD	0.094	0.507	0.110	0.448	0.665	1.616	0.733	1.483	0.360

	Zr	Pb	Se
	Reading	Reading	Reading
#1	0.272		
#2	0.271		
Mean	**0.271**	**0.000**	**0.000**
%RSD	0.391	0.000	0.000

Line calibration information

Analyte	Reporting name	C0	C1	C2	C3	Correlation coefficient	Low limit	High limit	Date of last regression
Ag 328.068	Ag	0.000058	0.4714209	0.001376	0	1.0000	0.000	4.191	10/14/2011 11:32:09
Al 308.215	Al	-0.0894765	4.4666563	0.0062468	0	0.99999	0.012	97.835	10/14/2011 11:32:09
As 189.042/2	As	0.0104427	0.9836549	0.005518	0	1.0000	-0.011	4.526	10/14/2011 11:32:10
B 249.678/2	B	-0.0092715	0.7301627	0.0006756	0	1.0000	0.001	13.538	10/14/2011 11:32:10
Ba 493.409	Ba	-0.0004732	0.3779881	0.0007849	0	1.0000	0.000	25.175	10/14/2011 11:32:10
Be 313.042	Be	-0.0082613	0.015397	0.0000032	0	1.0000	0.390	64.479	10/14/2011 11:32:10
Bi 223.061	Bi	-0.0003757	1.722322	-0.0042444	0	1.0000	-0.001	2.824	10/14/2011 11:32:10
Ca 317.933	Ca	-0.0689303	2.7616991	0.0051394	0	0.99998	0.008	142.533	10/14/2011 11:32:10
Cd 228.502/2	Cd	-0.0007842	0.1616498	0.0003518	0	1.0000	0.003	26.200	10/14/2011 11:32:10
Co 228.616	Co	0.0005269	0.6433527	0.0008703	0	1.0000	-0.002	7.691	10/14/2011 11:32:10
Cr 267.716	Cr	-0.0006468	0.2666905	0.0001162	0	1.0000	0.002	34.148	10/14/2011 11:32:10
Cu 324.753	Cu	-0.0166681	0.897805	0.0001716	0	1.0000	0.018	11.133	10/14/2011 11:32:10
Fe 259.94	Fe	-0.0121693	1.1196789	0.0045252	0	1.0000	0.004	118.783	10/14/2011 11:32:11
K 766.491	K	-1.4119945	2.466928	0.0026866	0	0.99998	0.512	92.002	10/14/2011 11:32:11
Li 670.784	Li	-0.0046365	0.0323728	-0.0000123	0	0.99999	0.077	348.380	10/14/2011 11:32:11
Mg 279.078	Mg	-0.0494463	4.3836496	0.0044354	0	0.99997	0.000	102.894	10/14/2011 11:32:11
Mn 257.61	Mn	-0.0003411	0.8406702	0.0045696	0	1.0000	0.000	11.212	10/14/2011 11:32:11
Mo 202.03/2	Mo	-0.0027199	0.7213546	0.0011724	0	1.0000	0.000	13.567	10/14/2011 11:32:11
Na 588.995	Na	-0.1150643	0.4662424	0.0013236	0	0.99998	0.126	199.507	10/14/2011 11:32:11
Ni 231.604	Ni	-0.0031273	0.3146562	0.0001167	0	1.0000	0.006	31.405	10/14/2011 11:32:11
P 178.287/2	P	-0.0122668	2.4100663	0.0147963	0	1.0000	0.002	18.622	10/14/2011 11:32:11
Pb 220.351	Pb I	0.0018635	0.2070458	0.0000443	0	1.0000	-0.015	47.800	10/14/2011 11:32:11
Pb 220.352/2	Pb II	-0.0037068	0.3812166	0.0000877	0	1.0000	0.005	26.065	10/14/2011 11:32:12
S 182.04/2	S	-0.0821106	30.8495823	0.5360199	0	1.0000	0.003	1.560	10/14/2011 11:32:12
Sb 206.836/2	Sb	-0.0039936	1.1854591	-0.005077	0	1.0000	0.003	1.703	10/14/2011 11:32:12
Sc 196.021	Sc I	-0.0004641	1.1907795	0.0032048	0	1.0000	0.004	4.153	10/14/2011 11:32:12
Se 196.021/2	Se II	-0.0033207	0.7761507	0.0009713	0	1.0000	-0.001	6.395	10/14/2011 11:32:12
Si 288.158	Si	-0.1459673	1.1462392	0.0009061	0	1.0000	0.113	42.332	10/14/2011 11:32:12
Sn 189.989	Sn	0.0017798	3.7580281	0.0228765	0	1.0000	-0.002	2.619	10/14/2011 11:32:12
Sr 421.552	Sr	-0.0039662	0.1037075	0.0001118	0	1.0000	0.001	86.096	10/14/2011 11:32:12

Th 283.73'2	Th	-0.0465225	0.9505466	-0.0255275	0	0.99968	0.040	2.294	10/14/2011 11:32:12
Ti 334.941	Ti	-0.0009962	0.0887463	0.0000036	0	1.0000	-0.008	112.154	10/14/2011 11:32:12
Tl 190.864'2	Tl	0.0084864	0.9782444	0.0001343	0	1.0000	-0.010	5.098	10/14/2011 11:32:13
U 385.958	U	-0.0174844	6.2146333	0.005063	0	1.0000	0.000	7.896	10/14/2011 11:32:13
V 292.402	V	-0.0004165	0.3765964	0.0002463	0	1.0000	0.001	13.164	10/14/2011 11:32:13
Zn 206.2	Zn	-0.0018729	2.9559548	0.0337302	0	1.0000	0.001	3.262	10/14/2011 11:32:13
Zr 339.198	Zr	-0.0013161	0.1298692	-0.0002076	0	0.99999	0.022	41.227	10/14/2011 11:32:14

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:53
SampleId1 : MIXBHIGH SampleId2 : [CV]
Analysis commenced : 10/14/2011 11:32:49
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE6

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.99789	0.01064	4.98557	9.95164	9.87040	0.97544	-0.00185	-0.05208	5.03249
#2	2.00407	0.01759	4.97765	9.98943	9.90618	0.97320	-0.00065	-0.05291	5.01931
Mean	**2.00098**	**0.01411**	**4.98161**	**9.97053**	**9.88829**	**0.97432**	**-0.00125**	**-0.05250**	**5.02590**
%RSD	0.21847	34.81468	0.11238	0.26804	0.25589	0.16232	68.12323	1.11607	0.18551

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.94397	9.86401	10.02057	-0.01698	-0.11112	-0.00174	-0.09723	9.78859	9.92040
#2	4.93100	9.82686	10.07953	-0.01620	-0.12594	-0.00176	-0.09241	9.75819	9.91009
Mean	**4.93749**	**9.84543**	**10.05005**	**-0.01659**	**-0.11853**	**-0.00175**	**-0.09482**	**9.77339**	**9.91525**
%RSD	0.18565	0.26681	0.41487	3.34015	8.84079	1.04581	3.59593	0.21989	0.07356

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.02867	10.15065	49.06026	9.88341	9.74927	-0.00190	1.99345	4.93519	4.87973
#2	-0.02833	10.13047	49.04196	9.87046	9.71976	0.00736	2.00671	4.97840	4.88855
Mean	**-0.02850**	**10.14056**	**49.05111**	**9.87694**	**9.73452**	**0.00273**	**2.00008**	**4.95679**	**4.88414**
%RSD	0.84541	0.14068	0.02638	0.09270	0.21436	239.75460	0.46886	0.61643	0.12782

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	48.88508	9.95210	9.91904	1.94006	9.67763	4.99954	-0.06905	4.93627	9.69668
#2	49.07691	9.94473	9.93334	1.93754	9.68372	5.02198	-0.06657	4.92715	9.62696
Mean	**48.98100**	**9.94841**	**9.92619**	**1.93880**	**9.68068**	**5.01076**	**-0.06781**	**4.93171**	**9.66182**
%RSD	0.27693	0.05241	0.10187	0.09196	0.04449	0.31663	2.59155	0.13071	0.51021

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.06469	9.79394	4.89819
#2	-0.06524	9.76995	4.91847
Mean	**-0.06497**	**9.78194**	**4.90833**
%RSD	0.59732	0.17345	0.29213

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:53
SampleId1 : MIXAHIGH SampleId2 : [CV]
Analysis commenced : 10/14/2011 11:34:42
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE11

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00047	494.02600	0.00021	-0.00212	0.00164	0.00128	0.00188	498.75071	0.00014
#2	-0.00037	495.41991	0.00474	-0.00343	0.00123	0.00120	0.00326	502.22728	0.00020
Mean	**0.00005**	**494.72295**	**0.00248**	**-0.00277**	**0.00144**	**0.00124**	**0.00257**	**500.48899**	**0.00017**
%RSD	1156.22829	0.19923	129.23281	33.51419	20.47991	4.66703	37.89094	0.49118	24.78625

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00104	0.00244	-0.00679	195.36712	248.96911	9.72854	494.79547	-0.01076	0.00442
#2	0.00027	0.00131	-0.00715	196.60932	249.08357	9.72052	496.92639	-0.01118	0.00435
Mean	**0.00065**	**0.00188**	**-0.00697**	**195.98822**	**249.02634**	**9.72453**	**495.86093**	**-0.01097**	**0.00439**
%RSD	83.22734	42.45430	3.66129	0.44818	0.03250	0.05835	0.30387	2.70784	1.16312

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	149.09153	0.00134	0.02124	-0.03094	0.00925	-0.00190	-0.00244	-0.03490	0.01288
#2	149.28286	-0.00042	0.01979	-0.02980	0.01295	0.00119	0.00160	-0.01528	0.00600
Mean	**149.18720**	**0.00046**	**0.02051**	**-0.03037**	**0.01110**	**-0.00036**	**-0.00042**	**-0.02509**	**0.00944**
%RSD	0.09068	269.81862	4.98551	2.66633	23.59164	613.73350	681.16240	55.30663	51.59979

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00604	-0.00123	0.00802	-0.03075	0.00272	-0.01120	0.11176	-0.00872	-0.00217
#2	-0.01017	-0.00198	0.00768	-0.02287	0.00183	0.00057	0.11402	-0.00833	-0.00365
Mean	**-0.00810**	**-0.00161**	**0.00785**	**-0.02681**	**0.00227**	**-0.00532**	**0.11289**	**-0.00852**	**-0.00291**
%RSD	36.04556	33.06517	3.08294	20.78817	27.87023	156.52951	1.41670	3.24651	35.94479

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00609	-0.00414	-0.00303
#2	0.00508	-0.00129	-0.00109
Mean	**0.00558**	**-0.00271**	**-0.00206**
%RSD	12.77959	74.33501	66.64742

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:53
SampleId1 : MIXCHIGH SampleId2 : [CV]
Analysis commenced : 10/14/2011 11:36:38
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE14

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01030	0.32105	-0.00313	0.00920	-0.00074	0.00512	5.11615	0.00675	-0.00120
#2	-0.01013	0.31093	-0.00234	0.01044	-0.00062	0.00513	5.12837	-0.00098	-0.00110
Mean	**-0.01021**	**0.31599**	**-0.00274**	**0.00982**	**-0.00068**	**0.00512**	**5.12226**	**0.00288**	**-0.00115**
%RSD	1.23410	2.26398	20.32562	8.93603	11.77188	0.15215	0.16868	189.72182	6.38726

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00476	-0.00422	-0.01184	0.01146	-0.13483	-0.00129	-0.26292	0.00437	0.00081
#2	0.00527	-0.00367	-0.01194	0.00709	-0.13557	-0.00139	-0.26161	0.00428	0.00103
Mean	**0.00502**	**-0.00395**	**-0.01189**	**0.00927**	**-0.13520**	**-0.00134**	**-0.26226**	**0.00432**	**0.00092**
%RSD	7.26889	9.76838	0.56582	33.29895	0.38753	5.45354	0.35454	1.37459	16.58007

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.02652	-0.00099	0.02051	-0.02069	0.01478	49.53634	-0.00264	-0.00932	-0.00214
#2	-0.02891	-0.00180	0.02220	-0.01598	0.01313	49.65670	0.00589	0.00711	-0.00144
Mean	**-0.02772**	**-0.00140**	**0.02136**	**-0.01834**	**0.01395**	**49.59652**	**0.00163**	**-0.00110**	**-0.00179**
%RSD	6.08422	41.47786	5.58668	18.13537	8.34366	0.17160	370.88032	1052.29297	27.60304

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.05607	0.01756	-0.00213	-0.38127	0.00712	0.00660	50.19926	-0.01032	-0.00158
#2	-0.04943	0.01868	-0.00210	-0.38273	0.00670	0.00289	50.20619	-0.01055	-0.00306
Mean	**-0.05275**	**0.01812**	**-0.00212**	**-0.38200**	**0.00691**	**0.00475**	**50.20272**	**-0.01043**	**-0.00232**
%RSD	8.90131	4.40177	1.03960	0.27002	4.27036	55.34108	0.00976	1.53728	45.11928

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	5.01559	0.00297	-0.00453
#2	5.02912	0.00343	0.00141
Mean	**5.02235**	**0.00320**	**-0.00156**
%RSD	0.19054	10.33500	269.23193

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:53
SampleId1 : ICV **SampleId2 :** **[CV]**
Analysis commenced : 10/14/2011 11:59:15
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD1

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09937	25.29457	0.25735	0.50951	0.50906	0.25519	0.25875	25.75208	0.25412
#2	0.09777	25.32081	0.25200	0.51207	0.51220	0.25475	0.25827	25.59671	0.25361
Mean	**0.09857**	**25.30769**	**0.25468**	**0.51079**	**0.51063**	**0.25497**	**0.25851**	**25.67439**	**0.25387**
%RSD	1.15089	0.07332	1.48284	0.35441	0.43484	0.12374	0.13047	0.42790	0.14150

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.25705	0.52360	0.51011	10.13918	24.82038	0.24723	25.57611	0.51841	0.52377
#2	0.25541	0.52149	0.51150	10.11343	24.92199	0.24820	25.52931	0.51684	0.52204
Mean	**0.25623**	**0.52254**	**0.51081**	**10.12631**	**24.87118**	**0.24772**	**25.55271**	**0.51763**	**0.52290**
%RSD	0.45221	0.28575	0.19232	0.17981	0.28889	0.27649	0.12950	0.21450	0.23467

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	24.63412	0.51831	2.62718	0.51678	0.50705	2.54835	0.25583	0.50198	0.49509
#2	24.71722	0.51191	2.62840	0.51014	0.51318	2.55418	0.25690	0.49315	0.50485
Mean	**24.67567**	**0.51511**	**2.62779**	**0.51346**	**0.51012**	**2.55127**	**0.25636**	**0.49757**	**0.49997**
%RSD	0.23814	0.87846	0.03286	0.91399	0.84859	0.16156	0.29569	1.25441	1.37935

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.51063	0.52002	0.25285	0.15829	0.25414	0.25893	2.62210	0.25510	0.52090
#2	2.50615	0.50861	0.25358	0.15362	0.25400	0.25665	2.62149	0.25324	0.51734
Mean	**2.50839**	**0.51431**	**0.25321**	**0.15596**	**0.25407**	**0.25779**	**2.62180**	**0.25417**	**0.51912**
%RSD	0.12623	1.56824	0.20443	2.11787	0.03833	0.62568	0.01630	0.51597	0.48510

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.51531	0.51029	0.49739
#2	0.51489	0.51217	0.50095
Mean	**0.51510**	**0.51123**	**0.49917**
%RSD	0.05775	0.25909	0.50513

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:53
SampleId1 : ICB **SampleId2 :** **[CB]**
Analysis commenced : 10/14/2011 12:01:20
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD2

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00018	-0.06311	0.00284	-0.00679	-0.00011	-0.00030	-0.00263	-0.03511	-0.00021
#2	-0.00033	-0.06483	-0.00296	-0.00679	-0.00015	-0.00035	-0.00247	-0.03589	-0.00029
Mean	**-0.00025**	**-0.06397**	**-0.00006**	**-0.00679**	**-0.00013**	**-0.00033**	**-0.00255**	**-0.03550**	**-0.00025**
%RSD	40.82933	1.89181	6695.84986	0.00000	19.98859	10.48712	4.38645	1.56680	23.24351

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00041	-0.00006	-0.00051	0.00031	-0.15805	-0.00206	-0.02677	0.00007	-0.00056
#2	-0.00098	-0.00121	-0.00094	-0.00073	-0.14990	-0.00205	-0.03378	0.00023	-0.00142
Mean	**-0.00070**	**-0.00063**	**-0.00073**	**-0.00021**	**-0.15397**	**-0.00206**	**-0.03027**	**0.00015**	**-0.00099**
%RSD	57.48446	128.63002	42.04574	346.23789	3.74303	0.44549	16.37423	76.69466	61.91106

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.05657	-0.00136	0.00268	-0.00049	-0.00161	-0.04435	-0.00293	-0.00995	-0.00139
#2	-0.05724	-0.00184	0.00195	-0.00361	0.00162	-0.02691	-0.00399	-0.00797	0.00062
Mean	**-0.05691**	**-0.00160**	**0.00231**	**-0.00205**	**0.00000**	**-0.03563**	**-0.00346**	**-0.00896**	**-0.00038**
%RSD	0.82472	20.86914	22.08825	107.85808	50761.17820	34.59295	21.69744	15.61939	369.08265

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01764	-0.00249	-0.00369	-0.01241	-0.00163	-0.00142	-0.02183	-0.00001	-0.00069

#2	-0.01959	-0.00249	-0.00372	-0.01113	-0.00167	0.00357	-0.02494	-0.00060	-0.00187
Mean	**-0.01862**	**-0.00249**	**-0.00370**	**-0.01177**	**-0.00165**	**0.00107**	**-0.02339**	**-0.00031**	**-0.00128**
%RSD	7.42383	0.00114	0.57103	7.73700	1.47490	328.96900	9.39237	136.84698	65.23237

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00075	-0.00123	-0.00424
#2	0.00027	-0.00012	-0.00224
Mean	**0.00051**	**-0.00068**	**-0.00324**
%RSD	66.17423	115.80014	43.57597

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:54
SampleId1 : CRI SampleId2 : [FLEXQC]
Analysis commenced : 10/14/2011 12:03:22
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD3

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.02131	0.38984	0.01301	0.42482	0.43129	0.01227	0.05482	5.48457	0.01252
#2	0.02176	0.39042	0.01291	0.42333	0.42895	0.01225	0.04793	5.45364	0.01216
Mean	**0.02153**	**0.39013**	**0.01296**	**0.42407**	**0.43012**	**0.01226**	**0.05137**	**5.46911**	**0.01234**
%RSD	1.46442	0.10587	0.51862	0.24896	0.38382	0.12505	9.47864	0.39989	2.09832

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10731	0.02340	0.05364	0.21376	4.25960	0.01659	5.40977	0.03471	0.02224
#2	0.10711	0.02336	0.05372	0.21490	4.24968	0.01653	5.38744	0.03471	0.02145
Mean	**0.10721**	**0.02338**	**0.05368**	**0.21433**	**4.25464**	**0.01656**	**5.39860**	**0.03471**	**0.02184**
%RSD	0.12733	0.09741	0.10796	0.37802	0.16488	0.22105	0.29249	0.00000	2.56892

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.54706	0.08753	0.21007	0.00714	0.00920	0.20844	0.13032	0.01014	0.01076
#2	4.54151	0.08709	0.22865	0.00808	0.00721	0.19681	0.12629	0.01256	0.01405
Mean	**4.54428**	**0.08731**	**0.21936**	**0.00761**	**0.00820**	**0.20263**	**0.12830**	**0.01135**	**0.01240**
%RSD	0.08639	0.35707	5.98915	8.72062	17.09837	4.05644	2.22275	15.12028	18.78189

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10226	0.10816	0.01926	0.00061	0.02160	0.02345	0.20672	0.10960	0.05903
#2	0.10105	0.10389	0.01919	0.00155	0.02174	0.01963	0.21294	0.10971	0.05844
Mean	**0.10166**	**0.10602**	**0.01922**	**0.00108**	**0.02167**	**0.02154**	**0.20983**	**0.10966**	**0.05874**
%RSD	0.84029	2.84872	0.25685	61.95460	0.44928	12.50936	2.09411	0.07167	0.71202

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.05547	0.00851	0.01055
#2	0.05574	0.00750	0.01356

Mean	**0.05560**	**0.00801**	**0.01205UNDGREEN**
%RSD	0.34969	8.92400	17.63376

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:54
SampleId1 : ICSA **SampleId2 :** **[FLEXQC]**
Analysis commenced : 10/14/2011 12:05:17
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD4

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00016	270.71746	-0.00144	-0.00799	0.00007	0.00033	0.00588	273.62300	0.00022
#2	0.00039	269.83698	-0.00058	-0.00799	0.00033	0.00037	0.00796	272.99488	0.00055
Mean	**0.00012**	**270.27722**	**-0.00101**	**-0.00799**	**0.00020**	**0.00035**	**0.00692**	**273.30894**	**0.00038**
%RSD	328.61095	0.23035	59.78458	0.00000	90.61410	7.33168	21.29676	0.16251	59.99915

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00084	-0.00091	-0.00387	111.02120	-0.16842	-0.00175	275.81993	0.00368	-0.00193
#2	0.00135	-0.00016	-0.00361	110.83121	-0.16694	-0.00173	275.46010	0.00368	-0.00193
Mean	**0.00110**	**-0.00054**	**-0.00374**	**110.92621**	**-0.16768**	**-0.00174**	**275.64002**	**0.00368**	**-0.00193**
%RSD	32.57707	98.90334	4.87068	0.12111	0.62491	0.65789	0.09231	0.00000	0.00000

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.03656	0.00037	0.00557	-0.01269	0.00475	0.03410	0.00240	-0.02481	-0.00561
#2	-0.02997	0.00194	0.00003	-0.00928	0.00439	0.03700	-0.00069	-0.01620	0.00495
Mean	**-0.03326**	**0.00115**	**0.00280**	**-0.01098**	**0.00457**	**0.03555**	**0.00086**	**-0.02050**	**-0.00033**
%RSD	14.00331	96.39982	140.15517	21.94557	5.61243	5.77913	255.28884	29.69643	2232.98514

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.02472	0.00071	-0.00217	-0.04027	0.00044	0.00434	0.06105	-0.00702	-0.00069
#2	-0.02256	-0.00142	-0.00213	-0.03923	0.00061	0.00390	0.06428	-0.00640	-0.00099
Mean	**-0.02364**	**-0.00036**	**-0.00215**	**-0.03975**	**0.00053**	**0.00412**	**0.06267**	**-0.00671**	**-0.00084**
%RSD	6.48433	424.48594	1.30960	1.86032	23.09701	7.57152	3.65235	6.62162	24.93396

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00550	-0.00105	-0.01201
#2	0.00551	-0.00016	-0.00210
Mean	**0.00550**	**-0.00061**	**-0.00705**
%RSD	0.06025	103.98732	99.39502

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:54
SampleId1 : ZZZ **SampleId2 :** **[FLEXQC]**
Analysis commenced : 10/14/2011 12:09:16
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD5

Final concentrations **56:27** **User: MIKE LUNDGREEN**

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.19645	212.69425	0.09967	1.02132	0.51074	0.49229	0.51444	272.06584	1.00096
#2	0.19692	213.42244	0.10423	1.02666	0.51279	0.49114	0.52405	271.06977	1.00165
Mean	**0.19669**	**213.05835**	**0.10195**	**1.02399**	**0.51177**	**0.49171**	**0.51924**	**271.56780**	**1.00131**
%RSD	0.16984	0.24167	3.16869	0.36882	0.28253	0.16598	1.30937	0.25936	0.04825

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48672	0.49312	0.53275	110.62166	-0.15756	1.12520	273.01002	0.50362	1.01955
#2	0.48508	0.49241	0.53568	110.34731	-0.16744	1.12903	273.40783	0.50321	1.02158
Mean	**0.48590**	**0.49277**	**0.53422**	**110.48448**	**-0.16250**	**1.12712**	**273.20893**	**0.50341**	**1.02056**
%RSD	0.23928	0.10184	0.38767	0.17559	4.29906	0.24011	0.10296	0.05803	0.14059

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.04861	0.97673	1.06800	0.04053	0.05345	1.08364	0.61297	0.03395	0.05280
#2	-0.04544	0.97537	1.03286	0.04455	0.05250	1.04582	0.62232	0.02641	0.05504
Mean	**-0.04703**	**0.97605**	**1.05043**	**0.04254**	**0.05298**	**1.06473**	**0.61764**	**0.03018**	**0.05392**
%RSD	4.76008	0.09831	2.36514	6.68988	1.26403	2.51166	1.07017	17.66867	2.93230

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.95269	1.03725	1.00416	0.02610	0.98042	0.09644	10.46240	0.48659	0.96714
#2	0.95625	1.04332	1.00708	0.00861	0.98144	0.09561	10.49125	0.48750	0.95702
Mean	**0.95447**	**1.04028**	**1.00562**	**0.01735**	**0.98093**	**0.09602**	**10.47682**	**0.48704**	**0.96208**
%RSD	0.26333	0.41260	0.20573	71.28661	0.07327	0.60725	0.19474	0.13203	0.74415

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.50411	0.04915	0.04652
#2	0.50667	0.04986	0.04550
Mean	**0.50539**	**0.04950**	**0.04601**
%RSD	0.35788	1.01216	1.56717

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:54
SampleId1 : ICSAB **SampleId2 :** **[FLEXQC]**
Analysis commenced : 10/14/2011 12:11:45
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD5

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.19623	213.64416	0.10633	1.02951	0.51509	0.49423	0.52119	272.07608	1.00181
#2	0.19845	215.10109	0.10090	1.03321	0.51750	0.49456	0.53098	272.92102	1.00514
Mean	**0.19734**	**214.37263**	**0.10362**	**1.03136**	**0.51629**	**0.49439**	**0.52608**	**272.49855**	**1.00347**
%RSD	0.79473	0.48057	3.70241	0.25389	0.33008	0.04645	1.31475	0.21925	0.23425

ted: 10/17/2011 09:56:27 User: MIKE LUNDGREEN

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48894	0.49314	0.53773	110.82910	-0.17312	1.13111	274.35705	0.50511	1.02911
#2	0.48761	0.49459	0.54030	111.10490	-0.17040	1.13853	275.46805	0.50577	1.03462
Mean	**0.48827**	**0.49386**	**0.53901**	**110.96700**	**-0.17176**	**1.13482**	**274.91255**	**0.50544**	**1.03187**
%RSD	0.19238	0.20698	0.33592	0.17574	1.11848	0.46253	0.28576	0.09248	0.37743

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.04452	0.98083	1.05903	0.04099	0.05698	1.06037	0.57102	0.02022	0.05162
#2	-0.04478	0.98711	1.05055	0.04313	0.05537	1.05746	0.57397	0.02904	0.05419
Mean	**-0.04465**	**0.98397**	**1.05479**	**0.04206**	**0.05618**	**1.05891**	**0.57250**	**0.02463**	**0.05291**
%RSD	0.40430	0.45131	0.56855	3.60550	2.03731	0.19426	0.36412	25.32112	3.42403

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.95610	1.04546	1.01224	0.01078	0.98459	0.10737	10.53268	0.49030	0.96416
#2	0.96050	1.05188	1.01655	0.01506	0.98607	0.09635	10.58858	0.49161	0.96029
Mean	**0.95830**	**1.04867**	**1.01440**	**0.01292**	**0.98533**	**0.10186**	**10.56063**	**0.49095**	**0.96223**
%RSD	0.32451	0.43336	0.30066	23.40463	0.10632	7.65309	0.37429	0.18900	0.28448

	Zr	Pb	Se
	ppm	calc	calc
#1	0.50922	0.05166	0.04117
#2	0.51038	0.05129	0.04581
Mean	**0.50980**	**0.05147**	**0.04349**
%RSD	0.16015	0.50198	7.55378

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:55
SampleId1 : CCV SampleId2 : [CV]
Analysis commenced : 10/14/2011 12:16:06
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD6

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.19830	51.21585	0.51614	1.03228	1.01447	0.50038	0.52485	51.50837	0.50885
#2	0.19846	51.33809	0.51413	1.03805	1.02218	0.50066	0.51864	51.37064	0.51021
Mean	**0.19838**	**51.27697**	**0.51514**	**1.03517**	**1.01833**	**0.50052**	**0.52174**	**51.43951**	**0.50953**
%RSD	0.05955	0.16856	0.27584	0.39403	0.53553	0.04016	0.84172	0.18933	0.18828

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.50685	1.02858	1.02793	20.39725	52.72943	0.52666	51.31242	1.01683	1.03853
#2	0.50667	1.02904	1.03538	20.42001	53.03412	0.52963	51.40427	1.01816	1.05187
Mean	**0.50676**	**1.02881**	**1.03166**	**20.40863**	**52.88178**	**0.52814**	**51.35835**	**1.01749**	**1.04520**
%RSD	0.02531	0.03109	0.51065	0.07887	0.40741	0.39824	0.12646	0.09250	0.90218

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	51.01928	1.02199	5.22422	1.01773	1.01111	5.14371	0.50347	1.00305	0.99921
#2	51.15415	1.02685	5.27593	1.02202	1.00818	5.15833	0.50529	1.00451	0.99821
Mean	**51.08671**	**1.02442**	**5.25008**	**1.01987**	**1.00965**	**5.15102**	**0.50438**	**1.00378**	**0.99871**
%RSD	0.18667	0.33550	0.69637	0.29743	0.20537	0.20071	0.25514	0.10235	0.07095

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.96685	1.04531	0.50830	0.32960	0.50113	0.51341	5.20992	0.50372	1.01688
#2	4.97935	1.05352	0.51138	0.32618	0.50225	0.51915	5.23106	0.50502	1.01420
Mean	**4.97310**	**1.04941**	**0.50984**	**0.32789**	**0.50169**	**0.51628**	**5.22049**	**0.50437**	**1.01554**
%RSD	0.17775	0.55341	0.42802	0.73807	0.15896	0.78675	0.28638	0.18230	0.18669

	Zr	Pb	Se
	ppm	calc	calc
#1	1.01047	1.01332	1.00049
#2	1.01539	1.01279	1.00030
Mean	**1.01293**	**1.01305**	**1.00040**
%RSD	0.34370	0.03681	0.01305

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:55
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 10/14/2011 12:18:33
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD2

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00029	-0.02898	0.00540	-0.00593	0.00003	-0.00008	-0.00375	-0.01754	-0.00035
#2	0.00061	-0.01233	0.00341	-0.00458	0.00033	-0.00002	0.00267	0.00501	0.00008
Mean	**0.00016**	**-0.02065**	**0.00441**	**-0.00526**	**0.00018**	**-0.00005**	**-0.00054**	**-0.00626**	**-0.00013**
%RSD	390.81798	56.99639	32.03446	18.14220	113.99320	79.59516	837.65031	254.56303	229.71846

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00016	-0.00015	-0.00052	0.00675	-0.13854	-0.00204	-0.01234	0.00040	-0.00149
#2	-0.00016	0.00080	-0.00009	0.01549	-0.12668	-0.00196	0.01488	0.00073	-0.00012
Mean	**-0.00016**	**0.00033**	**-0.00030**	**0.01112**	**-0.13261**	**-0.00200**	**0.00127**	**0.00056**	**-0.00081**
%RSD	0.02011	205.69618	99.20162	55.53531	6.32168	2.99206	1511.46622	41.32752	119.89589

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.04406	-0.00133	0.00099	-0.00111	-0.00099	-0.01529	-0.00103	0.00624	-0.00017
#2	-0.03906	-0.00039	-0.00166	0.00311	-0.00118	-0.02110	-0.00228	-0.00157	-0.00317
Mean	**-0.04156**	**-0.00086**	**-0.00034**	**0.00100**	**-0.00109**	**-0.01820**	**-0.00166**	**0.00233**	**-0.00167**
%RSD	8.51353	77.63504	557.14081	299.74146	12.43850	22.57585	53.73211	236.48894	127.20241

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01744	-0.00356	-0.00360	-0.00984	-0.00136	-0.00069	-0.01438	-0.00023	-0.00099
#2	-0.01593	-0.00035	-0.00342	-0.00595	-0.00114	0.00777	-0.00320	0.00047	-0.00187
Mean	**-0.01668**	**-0.00195**	**-0.00351**	**-0.00790**	**-0.00125**	**0.00354**	**-0.00879**	**0.00012**	**-0.00143**
%RSD	6.39876	115.83047	3.61604	34.84776	12.16877	168.97764	89.92539	409.44272	43.86579

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00058	-0.00103	0.00197
#2	0.00083	0.00025	-0.00264
Mean	**0.00071**	**-0.00039**	**-0.00034**
%RSD	24.28853	230.21193	965.49971

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:55
SampleId1 : F111011-1MB SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 12:20:27
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE1

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00063	-0.04102	0.00246	-0.00778	-0.00018	-0.00012	-0.00199	-0.02934	-0.00031
#2	0.00027	-0.04543	-0.00011	-0.00700	-0.00011	-0.00016	0.00042	-0.03484	-0.00001
Mean	**-0.00018**	**-0.04323**	**0.00117**	**-0.00739**	**-0.00015**	**-0.00014**	**-0.00079**	**-0.03209**	**-0.00016**
%RSD	358.80872	7.21257	154.52437	7.47509	35.02651	23.12488	216.11652	12.13256	128.46587

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00060	-0.00023	-0.00051	0.00083	-0.13755	-0.00219	-0.02553	0.00007	-0.00236
#2	0.00003	-0.00017	-0.00086	0.00020	-0.14817	-0.00223	-0.02594	-0.00001	-0.00113
Mean	**-0.00029**	**-0.00020**	**-0.00069**	**0.00052**	**-0.14286**	**-0.00221**	**-0.02574**	**0.00003**	**-0.00175**
%RSD	154.72912	19.55048	36.07290	85.57633	5.25679	1.30744	1.13295	205.58143	49.66118

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.05836	-0.00243	-0.00407	-0.00109	0.00099	-0.02982	-0.00069	-0.00632	-0.00318
#2	-0.06188	-0.00073	-0.00383	-0.00475	-0.00095	-0.03563	-0.00194	-0.00026	-0.00375
Mean	**-0.06012**	**-0.00158**	**-0.00395**	**-0.00292**	**0.00002**	**-0.03272**	**-0.00131**	**-0.00329**	**-0.00346**
%RSD	4.14305	75.87539	4.31261	88.49374	6695.13734	12.55467	67.24556	130.29393	11.70019

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.02210	-0.00142	-0.00379	-0.00664	-0.00147	0.00148	-0.02121	-0.00005	0.00020
#2	-0.01862	0.00320	-0.00380	-0.00926	-0.00166	0.00049	-0.01811	-0.00034	-0.00128
Mean	**-0.02036**	**0.00089**	**-0.00379**	**-0.00795**	**-0.00156**	**0.00098**	**-0.01966**	**-0.00019**	**-0.00054**
%RSD	12.07455	366.64493	0.18584	23.25636	8.55822	71.60691	11.17762	107.45764	192.57708

	Zr	**Pb**	**Se**
	ppm	calc	calc

#1	-0.00071	0.00030	-0.00422	**UNDGREEN**
#2	-0.00024	-0.00222	-0.00259	
Mean	**-0.00048**	**-0.00096**	**-0.00340**	
%RSD	69.15713	185.27813	33.94896	

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:55
SampleId1 : F111011-1RVS SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 12:22:25
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE2

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00853	0.99519	0.05133	0.04506	0.05159	0.01005	0.10204	5.19331	0.02046
#2	0.00917	1.01023	0.05561	0.04762	0.05199	0.01007	0.10509	5.20996	0.02072
Mean	**0.00885**	**1.00271**	**0.05347**	**0.04634**	**0.05179**	**0.01006**	**0.10356**	**5.20164**	**0.02059**
%RSD	5.10875	1.06030	5.66029	3.90184	0.54544	0.16525	2.07979	0.22631	0.91944

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01988	0.05279	0.05105	1.01148	9.33738	0.03901	5.15215	0.05236	0.10450
#2	0.02083	0.05405	0.05096	1.02490	9.31495	0.03892	5.18730	0.05253	0.10630
Mean	**0.02035**	**0.05342**	**0.05101**	**1.01819**	**9.32617**	**0.03897**	**5.16972**	**0.05245**	**0.10540**
%RSD	3.29276	1.67451	0.13302	0.93214	0.17004	0.16492	0.48073	0.22145	1.21043

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.09577	0.05279	1.05588	0.04957	0.05147	1.03418	0.09974	0.04905	0.05281
#2	9.05397	0.05295	1.06606	0.05497	0.04886	1.03709	0.10318	0.04839	0.05017
Mean	**9.07487**	**0.05287**	**1.06097**	**0.05227**	**0.05017**	**1.03564**	**0.10146**	**0.04872**	**0.05149**
%RSD	0.32572	0.21056	0.67831	7.30860	3.67722	0.19862	2.39455	0.94730	3.63616

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.28132	0.09923	0.04794	-0.01482	0.04979	0.10566	0.51694	0.05120	0.05164
#2	0.28174	0.10350	0.04818	-0.01205	0.04973	0.10467	0.52874	0.05227	0.05135
Mean	**0.28153**	**0.10136**	**0.04806**	**-0.01343**	**0.04976**	**0.10516**	**0.52284**	**0.05173**	**0.05149**
%RSD	0.10659	2.97956	0.35249	14.60552	0.08560	0.66384	1.59590	1.46886	0.40608

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.05005	0.05084	0.05156
#2	0.05119	0.05089	0.04958
Mean	**0.05062**	**0.05087**	**0.05057**
%RSD	1.59139	0.08183	2.77349

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:55
SampleId1 : F111011-1LCS SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 12:24:14

Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE3

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09828	2.07830	2.09635	0.52451	2.07587	0.04917	-0.00419	41.10470	0.05139
#2	0.09824	2.09027	2.08464	0.52160	2.08100	0.04915	-0.00259	40.98856	0.05130
Mean	**0.09826**	**2.08429**	**2.09049**	**0.52306**	**2.07843**	**0.04916**	**-0.00339**	**41.04663**	**0.05135**
%RSD	0.02588	0.40615	0.39624	0.39418	0.17449	0.04052	33.45712	0.20007	0.13036

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.50486	0.20639	0.26133	0.98810	44.33733	0.50626	41.66892	0.51172	1.04730
#2	0.50423	0.20634	0.26281	0.98957	44.42915	0.50807	41.69715	0.51155	1.04477
Mean	**0.50455**	**0.20636**	**0.26207**	**0.98883**	**44.38324**	**0.50717**	**41.68303**	**0.51164**	**1.04604**
%RSD	0.08792	0.01765	0.40058	0.10495	0.14628	0.25259	0.04788	0.02284	0.17147

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	40.45210	0.51926	10.72701	0.51950	0.51355	10.84563	0.52118	2.12682	2.09856
#2	40.51814	0.51910	10.78617	0.51106	0.51374	10.84268	0.51934	2.11257	2.08629
Mean	**40.48512**	**0.51918**	**10.75659**	**0.51528**	**0.51364**	**10.84416**	**0.52026**	**2.11970**	**2.09242**
%RSD	0.11536	0.02147	0.38888	1.15812	0.02662	0.01920	0.25095	0.47559	0.41466

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.08182	0.52472	0.51572	-0.03864	0.49945	2.10099	-0.02561	0.51436	0.50755
#2	2.08096	0.52936	0.51698	-0.04066	0.50030	2.10499	-0.03742	0.51329	0.50725
Mean	**2.08139**	**0.52704**	**0.51635**	**-0.03965**	**0.49987**	**2.10299**	**-0.03152**	**0.51383**	**0.50740**
%RSD	0.02939	0.62162	0.17266	3.60676	0.12057	0.13428	26.49204	0.14774	0.04136

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00807	0.51553	2.10797
#2	0.00654	0.51285	2.09504
Mean	**0.00731**	**0.51419**	**2.10151**
%RSD	14.86984	0.36873	0.43513

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:55
SampleId1 : 1110041-1 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 12:26:02
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE4

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00004	-0.03818	0.00626	0.01686	0.23998	-0.00011	-0.00163	5.31382	-0.00077
#2	0.00032	-0.04153	-0.00068	0.01622	0.23994	-0.00016	-0.00418	5.34263	-0.00045

Mean	**0.00018**	**-0.03986**	**0.00279**	**0.01654**	**0.23996**	**-0.00013**	**-0.00290**	**5.32822**	**-0.00061**
%RSD	113.17776	5.93721	175.84010	2.73200	0.01073	23.06900	62.20656	0.38232	37.82932

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00014	-0.00048	0.01529	0.00405	2.62296	0.01514	0.31883	0.01148	0.00846
#2	0.00036	0.00005	0.01579	0.00374	2.61256	0.01502	0.31470	0.01148	0.00832
Mean	**0.00011**	**-0.00022**	**0.01554**	**0.00389**	**2.61776**	**0.01508**	**0.31677**	**0.01148**	**0.00839**
%RSD	327.84779	174.94407	2.27410	5.66333	0.28094	0.57347	0.92068	0.00000	1.21609

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	209.20367	-0.00114	-0.00214	-0.00424	0.00244	0.01957	-0.00415	0.00138	-0.00182
#2	209.70649	-0.00111	-0.00504	-0.00087	-0.00004	0.02829	-0.00037	0.00063	0.00370
Mean	**209.45508**	**-0.00113**	**-0.00359**	**-0.00256**	**0.00120**	**0.02393**	**-0.00226**	**0.00100**	**0.00094**
%RSD	0.16975	1.97382	56.96265	93.05707	145.64554	25.75771	118.09218	52.76863	414.08886

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.63886	-0.00035	0.23783	-0.00943	-0.00076	-0.00061	-0.03551	-0.00038	0.01202
#2	4.64429	0.00534	0.23841	-0.00927	-0.00088	0.00213	-0.00879	0.00029	0.01173
Mean	**4.64158**	**0.00249**	**0.23812**	**-0.00935**	**-0.00082**	**0.00076**	**-0.02215**	**-0.00005**	**0.01187**
%RSD	0.08272	161.51708	0.17266	1.21336	11.13312	254.93111	85.31742	1019.20921	1.76063

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00062	0.00022	-0.00075
#2	-0.00039	-0.00031	0.00268
Mean	**-0.00050**	**-0.00005**	**0.00096**
%RSD	32.11324	782.23532	251.94476

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:56
SampleId1 : 1110041-3 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 12:27:50
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE5

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00052	0.01838	0.00084	0.01715	0.26564	-0.00015	0.00249	5.83176	-0.00037
#2	-0.00028	0.02111	-0.00334	0.01594	0.26608	-0.00014	0.00105	5.85266	-0.00043
Mean	**-0.00040**	**0.01974**	**-0.00125**	**0.01654**	**0.26586**	**-0.00014**	**0.00177**	**5.84221**	**-0.00040**
%RSD	43.16979	9.77926	236.69624	5.16045	0.11621	5.42491	57.47051	0.25290	10.36886

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00043	-0.00017	0.05573	0.12275	3.03709	0.01625	0.33533	0.01993	0.00644
#2	-0.00011	-0.00040	0.05572	0.12338	3.02941	0.01621	0.33656	0.02018	0.00666
Mean	**-0.00027**	**-0.00029**	**0.05573**	**0.12307**	**3.03325**	**0.01623**	**0.33595**	**0.02006**	**0.00655**

%RSD	83.65396	58.29137	0.00980	0.35883	0.17903	0.17760	0.26044	0.86829	2.33643

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	224.62185	-0.00187	-0.00841	0.00421	0.00661	0.01376	-0.00474	-0.00502	0.00157
#2	223.93621	-0.00171	0.00460	0.00747	0.00693	0.01957	-0.00405	-0.00325	-0.00093
Mean	**224.27903**	**-0.00179**	**-0.00190**	**0.00584**	**0.00677**	**0.01666**	**-0.00439**	**-0.00413**	**0.00032**
%RSD	0.21617	6.22186	483.60230	39.50291	3.35073	24.65619	11.13086	30.28042	551.81050

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.77093	0.00071	0.26197	-0.00895	0.00010	-0.00001	-0.03000	-0.00024	0.06909
#2	4.77485	0.00000	0.26234	-0.00951	0.00020	-0.00300	-0.02005	-0.00028	0.07146
Mean	**4.77289**	**0.00036**	**0.26216**	**-0.00923**	**0.00015**	**-0.00151**	**-0.02503**	**-0.00026**	**0.07027**
%RSD	0.05816	141.21059	0.09740	4.32407	49.24912	140.42079	28.09405	9.89348	2.38083

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00078	0.00581	-0.00062
#2	-0.00060	0.00711	-0.00170
Mean	**-0.00069**	**0.00646**	**-0.00116**
%RSD	18.33026	14.22599	65.91683

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:56
SampleId1 : 1110041-3D **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 12:29:38
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE6

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00008	0.02109	-0.00163	0.01715	0.26685	-0.00013	-0.00039	5.85530	-0.00027
#2	0.00007	0.02361	-0.00220	0.01594	0.26757	-0.00013	0.00186	5.92513	-0.00052
Mean	**0.00007**	**0.02235**	**-0.00191**	**0.01654**	**0.26721**	**-0.00013**	**0.00074**	**5.89022**	**-0.00040**
%RSD	1.74937	7.96556	21.06051	5.16045	0.19271	0.75420	215.82996	0.83832	46.13144

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00046	0.00000	0.05737	0.12307	3.02594	0.01628	0.33739	0.02042	0.00601
#2	0.00015	-0.00020	0.05798	0.12421	3.03783	0.01634	0.34358	0.02042	0.00680
Mean	**0.00030**	**-0.00010**	**0.05768**	**0.12364**	**3.03188**	**0.01631**	**0.34048**	**0.02042**	**0.00641**
%RSD	73.50085	141.12475	0.74241	0.65481	0.27733	0.24465	1.28485	0.00000	8.75988

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	222.12476	-0.00158	-0.00335	0.00769	0.00492	0.01666	-0.00429	-0.00204	0.00036
#2	224.12038	-0.00061	-0.00166	0.00701	0.00503	0.01666	-0.00256	-0.00446	-0.00179
Mean	**223.12257**	**-0.00110**	**-0.00251**	**0.00735**	**0.00497**	**0.01666**	**-0.00342**	**-0.00325**	**-0.00072**
%RSD	0.63244	62.94548	47.61129	6.53688	1.54302	0.00000	35.67851	52.70805	211.80503

ted: 10/17/2011 09:56:27 User: MIKE LUNDGREEN

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.78733	-0.00285	0.26286	-0.00956	-0.00011	0.00354	-0.02068	-0.00021	0.07175
#2	4.82257	-0.00107	0.26377	-0.00614	0.00014	0.00517	-0.01819	-0.00010	0.06998
Mean	**4.80495**	**-0.00196**	**0.26331**	**-0.00785**	**0.00001**	**0.00436**	**-0.01943**	**-0.00015**	**0.07086**
%RSD	0.51862	64.29629	0.24512	30.77625	1185.79816	26.57279	9.04243	51.58149	1.77073

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00072	0.00584	-0.00044
#2	-0.00069	0.00569	-0.00268
Mean	**-0.00071**	**0.00576**	**-0.00156**
%RSD	2.68799	1.88645	101.51397

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:56
SampleId1 : 1110041-3L 5X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 12:31:26
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE7

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00022	-0.03537	0.00094	-0.00260	0.05439	-0.00022	0.00141	1.22124	0.00014
#2	0.00023	-0.04195	-0.00439	-0.00260	0.05446	-0.00021	-0.00068	1.21073	-0.00020
Mean	**0.00022**	**-0.03866**	**-0.00172**	**-0.00260**	**0.05443**	**-0.00022**	**0.00037**	**1.21598**	**-0.00003**
%RSD	3.47281	12.03963	218.23708	0.00000	0.09438	3.56698	402.13707	0.61104	775.81900

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00010	0.00031	0.01041	0.01996	0.63038	0.00178	0.03303	0.00425	-0.00106
#2	0.00010	-0.00003	0.01069	0.01892	0.61703	0.00180	0.02931	0.00417	-0.00048
Mean	**0.00010**	**0.00014**	**0.01055**	**0.01944**	**0.62370**	**0.00179**	**0.03117**	**0.00421**	**-0.00077**
%RSD	0.66938	168.09430	1.82891	3.78248	1.51319	0.61928	8.41939	1.37724	52.84019

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.69878	-0.00099	-0.00528	0.00389	-0.00122	-0.02401	-0.00160	-0.00036	-0.00174
#2	49.97538	-0.00143	0.00003	0.00123	0.00012	-0.00948	-0.00159	0.00359	-0.00124
Mean	**49.83708**	**-0.00121**	**-0.00263**	**0.00256**	**-0.00055**	**-0.01675**	**-0.00160**	**0.00161**	**-0.00149**
%RSD	0.39244	25.83086	142.76983	73.46791	171.73629	61.33547	0.37201	173.32348	23.78722

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.93945	0.00071	0.05258	-0.00437	-0.00100	0.00359	-0.00880	0.00014	0.01468
#2	0.93784	-0.00035	0.05258	-0.01283	-0.00142	0.00249	-0.02495	-0.00008	0.01379
Mean	**0.93864**	**0.00018**	**0.05258**	**-0.00860**	**-0.00121**	**0.00304**	**-0.01688**	**0.00003**	**0.01424**
%RSD	0.12091	418.95540	0.00000	69.55500	24.11092	25.59058	67.69890	509.88990	4.40460

	Zr	Pb	SeUNDGREEN
	ppm	calc	calc
#1	-0.00025	0.00048	-0.00128
#2	-0.00015	0.00049	0.00037
Mean	**-0.00020**	**0.00049**	**-0.00046**
%RSD	38.67580	0.52476	255.02159

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:56
SampleId1 : 1110041-3MS SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 12:35:09
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE8

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09345	2.12861	2.00249	0.52864	2.19301	0.04604	-0.00526	44.33147	0.04945
#2	0.09464	2.12089	1.98952	0.52636	2.18092	0.04600	-0.00206	44.30217	0.04978
Mean	**0.09404**	**2.12475**	**1.99600**	**0.52750**	**2.18696**	**0.04602**	**-0.00366**	**44.31682**	**0.04962**
%RSD	0.89659	0.25702	0.45942	0.30507	0.39100	0.05125	61.90458	0.04675	0.47560

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48124	0.19281	0.30708	1.04745	61.63954	0.60876	38.62943	0.49899	1.00687
#2	0.48110	0.19399	0.30507	1.05028	61.15621	0.60294	38.53480	0.49800	1.01027
Mean	**0.48117**	**0.19340**	**0.30608**	**1.04887**	**61.39787**	**0.60585**	**38.58212**	**0.49850**	**1.00857**
%RSD	0.02071	0.42990	0.46430	0.19092	0.55664	0.67959	0.17344	0.14063	0.23878

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	248.11303	0.49133	10.26194	0.49885	0.50102	10.53941	0.49873	2.03388	2.03657
#2	246.71742	0.49461	10.26878	0.50535	0.49529	10.42460	0.49544	2.04012	2.02712
Mean	**247.41522**	**0.49297**	**10.26536**	**0.50210**	**0.49816**	**10.48200**	**0.49708**	**2.03700**	**2.03185**
%RSD	0.39886	0.47024	0.04711	0.91504	0.81352	0.77446	0.46834	0.21675	0.32899

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	6.69467	0.51692	0.74347	-0.03159	0.46744	2.04921	-0.04616	0.48257	0.55266
#2	6.66195	0.50587	0.73891	-0.03044	0.46622	2.04922	-0.02876	0.48350	0.55504
Mean	**6.67831**	**0.51139**	**0.74119**	**-0.03101**	**0.46683**	**2.04922**	**-0.03746**	**0.48303**	**0.55385**
%RSD	0.34643	1.52772	0.43517	2.61917	0.18386	0.00035	32.83944	0.13558	0.30320

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00148	0.50030	2.03568
#2	0.00150	0.49864	2.03145
Mean	**0.00149**	**0.49947**	**2.03356**
%RSD	0.78718	0.23488	0.14695

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:56

SampleId1 : 1110041-3MSD **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 12:36:57
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE9

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09571	2.16524	2.03731	0.53739	2.23164	0.04702	-0.00154	44.91185	0.05052
#2	0.09540	2.14771	2.03770	0.53667	2.21664	0.04701	0.00070	44.94536	0.05104
Mean	**0.09555**	**2.15648**	**2.03750**	**0.53703**	**2.22414**	**0.04702**	**-0.00042**	**44.92861**	**0.05078**
%RSD	0.23160	0.57456	0.01354	0.09364	0.47693	0.01485	375.33961	0.05274	0.72693

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49101	0.19692	0.31134	1.06906	62.53992	0.61868	39.28021	0.50874	1.03201
#2	0.48929	0.19697	0.30898	1.06791	61.99538	0.61200	39.10561	0.50825	1.02897
Mean	**0.49015**	**0.19694**	**0.31016**	**1.06848**	**62.26765**	**0.61534**	**39.19291**	**0.50850**	**1.03049**
%RSD	0.24943	0.01742	0.53734	0.07637	0.61838	0.76760	0.31501	0.06894	0.20886

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	250.03313	0.50063	10.43021	0.51088	0.51523	10.70134	0.50164	2.07571	2.05772
#2	248.82369	0.49691	10.32452	0.51280	0.50759	10.62478	0.50036	2.06749	2.04863
Mean	**249.42841**	**0.49877**	**10.37736**	**0.51184**	**0.51141**	**10.66306**	**0.50100**	**2.07160**	**2.05318**
%RSD	0.34286	0.52734	0.72015	0.26546	1.05665	0.50765	0.18087	0.28059	0.31319

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	6.82484	0.52511	0.75421	-0.03224	0.47724	2.09557	-0.04680	0.49172	0.56127
#2	6.78386	0.52332	0.75026	-0.02378	0.47711	2.08731	-0.02940	0.49231	0.56870
Mean	**6.80435**	**0.52421**	**0.75224**	**-0.02801**	**0.47717**	**2.09144**	**-0.03810**	**0.49202**	**0.56498**
%RSD	0.42592	0.24040	0.37170	21.35959	0.01914	0.27932	32.29728	0.08511	0.92892

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00016	0.51378	2.06371
#2	0.00007	0.50933	2.05491
Mean	**0.00011**	**0.51155**	**2.05931**
%RSD	55.80659	0.61614	0.30227

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:57
SampleId1 : 1110046-1 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 12:38:46
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE10

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	-0.00048	-0.03770	0.00303	0.00855	0.03725	-0.00026	-0.00599	3.99866	-0.00040
#2	0.00052	-0.03742	0.00559	0.00919	0.03696	-0.00025	-0.00086	4.00129	-0.00018
Mean	**0.00002**	**-0.03756**	**0.00431**	**0.00887**	**0.03710**	**-0.00025**	**-0.00342**	**3.99997**	**-0.00029**
%RSD	3307.64256	0.51511	42.09519	5.09341	0.55365	2.00415	106.00975	0.04663	55.37600

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00081	-0.00038	0.00166	0.00114	1.28088	0.00350	0.21820	0.02125	0.00190
#2	-0.00043	0.00005	0.00148	0.00176	1.27074	0.00344	0.21902	0.02125	0.00139
Mean	**-0.00062**	**-0.00016**	**0.00157**	**0.00145**	**1.27581**	**0.00347**	**0.21861**	**0.02125**	**0.00164**
%RSD	43.42048	185.91968	8.18280	30.39652	0.56201	1.21480	0.26680	0.00000	21.71481

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	115.94622	-0.00111	0.01184	-0.00027	0.00008	18.66971	-0.00409	-0.00290	-0.00189
#2	115.49589	-0.00058	0.01135	0.00301	-0.00151	18.64889	-0.00181	0.00723	0.00019
Mean	**115.72105**	**-0.00084**	**0.01159**	**0.00137**	**-0.00071**	**18.65930**	**-0.00295**	**0.00217**	**-0.00085**
%RSD	0.27517	44.81321	2.94000	168.85940	156.92234	0.07887	54.75713	330.79161	172.88070

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.80351	0.00107	0.09489	-0.01288	-0.00095	0.00076	-0.01873	0.00003	0.19810
#2	4.78784	-0.00178	0.09467	-0.00813	-0.00106	0.00050	-0.00879	0.00054	0.19958
Mean	**4.79567**	**-0.00035**	**0.09478**	**-0.01050**	**-0.00100**	**0.00063**	**-0.01376**	**0.00029**	**0.19884**
%RSD	0.23101	568.75610	0.16401	32.00458	7.26662	29.99118	51.10834	127.95530	0.52640

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00091	-0.00004	-0.00223
#2	-0.00104	0.00000	0.00254
Mean	**-0.00097**	**-0.00002**	**0.00015**
%RSD	9.66407	134.40201	2173.45128

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:57
SampleId1 : CCV **SampleId2 :** **[CV]**
Analysis commenced : 10/14/2011 12:40:34
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD6

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.19487	50.08930	0.49902	1.00714	0.99156	0.48435	0.50634	49.93677	0.49996
#2	0.19475	50.24875	0.49682	1.00714	0.99552	0.48452	0.50492	49.91147	0.49635
Mean	**0.19481**	**50.16903**	**0.49792**	**1.00714**	**0.99354**	**0.48443**	**0.50563**	**49.92412**	**0.49815**
%RSD	0.04401	0.22474	0.31249	0.00000	0.28221	0.02488	0.19847	0.03583	0.51192

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49312	1.00093	1.00988	19.76455	52.01466	0.51662	49.99098	0.98738	1.01513

#2	0.49274	1.00097	1.01421	19.77283	52.15085	0.51848	50.10900	0.98855	1.01288
Mean	**0.49293**	**1.00095**	**1.01205**	**19.76869**	**52.08276**	**0.51755**	**50.04999**	**0.98797**	**1.01400**
%RSD	0.05425	0.00334	0.30223	0.02961	0.18489	0.25380	0.16674	0.08333	0.15665

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.08410	0.99257	5.08254	0.99375	0.99176	4.97997	0.49603	0.95633	0.97184
#2	49.33295	0.99361	5.07660	0.98947	0.98816	5.01506	0.49247	0.97549	0.98255
Mean	**49.20853**	**0.99309**	**5.07957**	**0.99161**	**0.98996**	**4.99752**	**0.49425**	**0.96591**	**0.97719**
%RSD	0.35759	0.07415	0.08258	0.30570	0.25712	0.49641	0.50885	1.40230	0.77509

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.84578	1.01532	0.49549	0.31809	0.48731	0.50145	5.08464	0.49123	0.97875
#2	4.85690	1.01711	0.49685	0.31656	0.48925	0.50110	5.10455	0.49238	0.97250
Mean	**4.85134**	**1.01622**	**0.49617**	**0.31732**	**0.48828**	**0.50127**	**5.09460**	**0.49181**	**0.97563**
%RSD	0.16213	0.12408	0.19398	0.34171	0.28052	0.04914	0.27631	0.16526	0.45328

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.98401	0.99243	0.96668
#2	0.98577	0.98860	0.98020
Mean	**0.98489**	**0.99051**	**0.97344**
%RSD	0.12631	0.27331	0.98234

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:57
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 10/14/2011 12:42:29
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD2

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00007	-0.03517	0.00122	-0.00572	0.00011	-0.00020	0.00106	-0.02278	-0.00016
#2	0.00026	-0.03349	0.00322	-0.00671	0.00011	-0.00022	0.00042	-0.01885	0.00001
Mean	**0.00017**	**-0.03433**	**0.00222**	**-0.00622**	**0.00011**	**-0.00021**	**0.00074**	**-0.02082**	**-0.00007**
%RSD	84.29918	3.46938	63.58066	11.30670	0.00000	7.45449	61.38065	13.36013	169.15224

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00035	-0.00009	-0.00069	0.00592	-0.15015	-0.00204	-0.01563	0.00048	0.00045
#2	0.00003	0.00000	-0.00060	0.00613	-0.14323	-0.00203	-0.00904	0.00040	-0.00027
Mean	**-0.00016**	**-0.00005**	**-0.00065**	**0.00603**	**-0.14669**	**-0.00203**	**-0.01234**	**0.00044**	**0.00009**
%RSD	164.86373	130.54021	9.35272	2.44014	3.33368	0.54554	37.82263	13.23194	546.26868

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01654	-0.00146	-0.00094	0.00205	-0.00047	-0.02982	0.00162	-0.00840	0.00377
#2	-0.01746	-0.00007	-0.00480	0.00159	-0.00011	-0.02691	-0.00285	0.00117	-0.00253

Mean	**-0.01700**	**-0.00077**	**-0.00287**	**0.00182**	**-0.00029**	**-0.02837**	**-0.00061**	**-0.00361**	**0.00062**
%RSD	3.82433	127.90816	95.10393	17.93631	87.98738	7.24170	515.82524	187.38472	719.18168

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.02112	0.00178	-0.00361	-0.00828	-0.00139	-0.00423	-0.01625	0.00007	-0.00069
#2	-0.02047	0.00285	-0.00356	-0.01099	-0.00140	-0.00550	-0.01438	0.00047	-0.00039
Mean	**-0.02080**	**0.00232**	**-0.00358**	**-0.00964**	**-0.00140**	**-0.00487**	**-0.01531**	**0.00027**	**-0.00054**
%RSD	2.19695	32.60247	0.98350	19.90278	0.43576	18.45455	8.60832	107.11141	38.51527

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00067	0.00037	-0.00028
#2	0.00121	0.00046	-0.00130
Mean	**0.00094**	**0.00041**	**-0.00079**
%RSD	41.07821	15.33173	90.73379

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:57
SampleId1 : 1110046-2 SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 12:44:23
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE11

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00013	-0.02370	0.00426	0.00891	0.03798	-0.00020	-0.00197	4.26935	-0.00018
#2	-0.00072	-0.02090	0.00436	0.00962	0.03794	-0.00017	-0.00294	4.23900	-0.00087
Mean	**-0.00043**	**-0.02230**	**0.00431**	**0.00926**	**0.03796**	**-0.00019**	**-0.00246**	**4.25417**	**-0.00053**
%RSD	97.87143	8.86376	1.55909	5.42073	0.06765	8.49288	27.78653	0.50440	91.73227

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00027	-0.00018	0.00330	0.01362	1.34197	0.00376	0.23593	0.02379	0.00038
#2	-0.00062	-0.00028	0.00340	0.01279	1.33801	0.00375	0.23345	0.02354	-0.00099
Mean	**-0.00017**	**-0.00023**	**0.00335**	**0.01320**	**1.33999**	**0.00375**	**0.23469**	**0.02367**	**-0.00030**
%RSD	360.46819	32.71480	2.11494	4.45594	0.20883	0.17737	0.74556	0.73581	319.45861

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	122.37224	-0.00036	0.00436	0.00139	-0.00260	20.01476	-0.00456	-0.00070	-0.00210
#2	122.01388	-0.00143	0.00581	0.00056	0.00060	19.98795	-0.00560	-0.00809	-0.00117
Mean	**122.19306**	**-0.00089**	**0.00509**	**0.00098**	**-0.00100**	**20.00136**	**-0.00508**	**-0.00439**	**-0.00163**
%RSD	0.20738	84.87999	20.10385	59.70065	226.71687	0.09476	14.49067	118.94806	40.27559

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.07454	0.00285	0.09846	-0.00929	-0.00100	0.00340	-0.01501	0.00047	0.00227
#2	5.06832	0.00143	0.09844	-0.00940	-0.00108	-0.00033	-0.03241	-0.00019	0.00227
Mean	**5.07143**	**0.00214**	**0.09845**	**-0.00934**	**-0.00104**	**0.00154**	**-0.02371**	**0.00014**	**0.00227**

%RSD	0.08673	47.09401	0.01436	0.80387	5.24773	171.79663	51.89780	335.01668	0.00000

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00026	-0.00127	-0.00163
#2	-0.00044	0.00059	-0.00347
Mean	**-0.00035**	**-0.00034**	**-0.00255**
%RSD	34.74530	385.94325	50.94783

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:57
SampleId1 : 1110062-1 SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 12:46:12
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE12

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00073	-0.04631	-0.00229	0.03639	0.04375	-0.00017	-0.00199	73.77280	-0.00079
#2	0.00056	-0.05065	0.00398	0.03668	0.04382	-0.00019	0.00154	74.14427	-0.00053
Mean	**-0.00009**	**-0.04848**	**0.00084**	**0.03654**	**0.04379**	**-0.00018**	**-0.00022**	**73.95853**	**-0.00066**
%RSD	1065.85339	6.33029	526.98449	0.54983	0.11730	9.42583	1124.03565	0.35516	27.24773

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00105	-0.00019	0.00072	0.00426	1.31081	0.00949	1.01021	0.05327	0.00074
#2	-0.00035	0.00023	0.00148	0.00509	1.30809	0.00945	1.01970	0.05360	0.00081
Mean	**-0.00070**	**0.00002**	**0.00110**	**0.00467**	**1.30945**	**0.00947**	**1.01495**	**0.05343**	**0.00078**
%RSD	70.09324	1827.69569	49.28538	12.58285	0.14691	0.32782	0.66113	0.43474	6.55068

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	168.07182	0.00131	-0.00696	-0.00203	-0.00024	144.22572	-0.00479	-0.00589	0.00083
#2	167.12453	0.00046	-0.00721	0.00035	-0.00055	144.66050	-0.00491	0.00018	-0.00038
Mean	**167.59818**	**0.00089**	**-0.00709**	**-0.00084**	**-0.00039**	**144.44311**	**-0.00485**	**-0.00285**	**0.00023**
%RSD	0.39967	67.76002	2.40540	201.35480	55.87594	0.21284	1.72617	150.55354	381.64183

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.40132	0.00178	1.73835	-0.00741	-0.00180	0.00103	-0.03489	-0.00075	0.11287
#2	4.39823	0.00107	1.74202	-0.00877	-0.00166	-0.00014	-0.01438	0.00003	0.11169
Mean	**4.39978**	**0.00143**	**1.74019**	**-0.00809**	**-0.00173**	**0.00045**	**-0.02463**	**-0.00036**	**0.11228**
%RSD	0.04972	35.29461	0.14894	11.82447	5.63513	184.38541	58.86541	152.41589	0.74530

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00279	-0.00083	-0.00140
#2	0.00256	-0.00025	-0.00019
Mean	**0.00267**	**-0.00054**	**-0.00080**
%RSD	5.94082	76.37869	107.03194

ted: 10/17/2011 09:56:27 User: MIKE LUNDGREEN
Method : Paragon File : 111014A Printed : 10/17/2011 09:55:58
SampleId1 : 1110062-3 SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 12:48:01
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE13

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00037	0.35770	0.00170	0.03703	0.06765	-0.00009	0.00140	75.47276	-0.00036
#2	-0.00017	0.35896	0.00065	0.03774	0.06798	-0.00009	0.00092	75.18396	-0.00042
Mean	**-0.00027**	**0.35833**	**0.00117**	**0.03739**	**0.06781**	**-0.00009**	**0.00116**	**75.32836**	**-0.00039**
%RSD	51.98369	0.24779	62.95486	1.34324	0.34092	4.60031	29.24258	0.27109	11.35200

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00010	0.00182	0.00201	0.49471	1.42137	0.01000	1.13152	0.06206	0.00045
#2	-0.00034	0.00133	0.00210	0.49366	1.41444	0.01000	1.13647	0.06181	0.00103
Mean	**-0.00012**	**0.00158**	**0.00206**	**0.49418**	**1.41791**	**0.01000**	**1.13399**	**0.06193**	**0.00074**
%RSD	260.34354	22.03183	2.95252	0.14939	0.34539	0.04435	0.30875	0.28133	54.95073

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	171.25945	0.00090	0.00027	0.00163	-0.00172	149.37615	-0.00206	-0.00121	-0.00086
#2	171.14179	0.00166	0.00147	-0.00027	0.00022	149.72767	-0.00503	-0.00528	-0.00021
Mean	**171.20062**	**0.00128**	**0.00087**	**0.00068**	**-0.00075**	**149.55191**	**-0.00355**	**-0.00324**	**-0.00053**
%RSD	0.04860	41.72162	98.10325	196.80767	183.15366	0.16620	59.19693	88.80533	85.22283

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.02068	0.00177	1.75756	-0.00981	0.00838	-0.00039	-0.02901	0.00005	0.25733
#2	5.03689	0.00248	1.76426	-0.00848	0.00853	-0.00620	-0.02776	0.00034	0.25970
Mean	**5.02879**	**0.00213**	**1.76091**	**-0.00915**	**0.00846**	**-0.00330**	**-0.02839**	**0.00020**	**0.25851**
%RSD	0.22785	23.66525	0.26872	10.34041	1.22321	124.66674	3.09797	106.21389	0.64813

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00029	-0.00060	-0.00097
#2	-0.00007	0.00006	-0.00190
Mean	**0.00011**	**-0.00027**	**-0.00144**
%RSD	228.37039	171.76284	45.59765

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:58
SampleId1 : 1110079-1 SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 12:49:49
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE14

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00181	-0.04944	-0.00496	0.04229	0.04019	-0.00018	-0.00568	21.14541	-0.00110
#2	-0.00116	-0.04888	-0.00220	0.04385	0.03997	-0.00018	-0.00472	21.19705	-0.00047
Mean	**-0.00148**	**-0.04916**	**-0.00358**	**0.04307**	**0.04008**	**-0.00018**	**-0.00520**	**21.17123**	**-0.00079**
%RSD	30.84337	0.80248	54.47156	2.56531	0.38440	0.28681	13.09749	0.17249	56.44464

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00194	-0.00143	-0.00093	0.00197	1.70587	0.00744	3.94268	0.01000	-0.00214
#2	-0.00156	-0.00198	-0.00102	0.00197	1.70413	0.00739	3.93400	0.00992	-0.00258
Mean	**-0.00175**	**-0.00171**	**-0.00097**	**0.00197**	**1.70500**	**0.00741**	**3.93834**	**0.00996**	**-0.00236**
%RSD	15.29457	22.85555	6.63568	0.00000	0.07183	0.47866	0.15580	0.58277	12.97216

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	97.17117	-0.00143	-0.00769	-0.00827	0.00592	31.41536	-0.00720	-0.00854	-0.00060
#2	97.01799	-0.00086	-0.01251	-0.00880	0.00493	31.35800	-0.00720	-0.00633	-0.00110
Mean	**97.09458**	**-0.00114**	**-0.01010**	**-0.00853**	**0.00542**	**31.38668**	**-0.00720**	**-0.00743**	**-0.00085**
%RSD	0.11156	35.03970	33.75443	4.31495	12.95946	0.12922	0.02001	20.98409	41.76386

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.68093	-0.00355	0.69481	-0.01551	-0.00195	-0.00525	-0.04545	-0.00189	0.00197
#2	8.66044	-0.00213	0.69318	-0.01281	-0.00167	-0.00279	-0.03986	-0.00119	0.00345
Mean	**8.67068**	**-0.00284**	**0.69400**	**-0.01416**	**-0.00181**	**-0.00402**	**-0.04265**	**-0.00154**	**0.00271**
%RSD	0.16707	35.38262	0.16611	13.50595	11.09736	43.17777	9.27195	32.17286	38.58068

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00223	0.00119	-0.00324
#2	-0.00200	0.00036	-0.00284
Mean	**-0.00211**	**0.00078**	**-0.00304**
%RSD	7.58414	76.25493	9.30296

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:58
SampleId1 : 1110079-3 SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 12:51:38
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE15

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00023	-0.01780	-0.00163	0.04492	0.04059	-0.00010	0.00091	21.83440	-0.00055
#2	-0.00028	-0.01884	0.00369	0.04534	0.04081	-0.00011	-0.00005	21.84333	-0.00002
Mean	**-0.00002**	**-0.01832**	**0.00103**	**0.04513**	**0.04070**	**-0.00010**	**0.00043**	**21.83886**	**-0.00028**
%RSD	1654.70104	4.01050	364.76829	0.66770	0.37857	10.87042	158.68254	0.02892	129.72123

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00017	0.00000	0.00296	0.03036	1.16292	0.00628	4.11872	0.01041	-0.00084
#2	-0.00030	-0.00029	0.00296	0.03067	1.16440	0.00627	4.11004	0.01025	-0.00142
Mean	**-0.00023**	**-0.00014**	**0.00296**	**0.03052**	**1.16366**	**0.00627**	**4.11438**	**0.01033**	**-0.00113**
%RSD	38.00270	142.79747	0.12683	0.72296	0.09016	0.17677	0.14915	1.12386	36.01805

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	96.35469	-0.00108	-0.00118	0.00152	-0.00182	28.74477	-0.00331	0.00182	-0.00102
#2	95.89588	0.00053	0.00219	0.00066	0.00099	28.88923	-0.00274	-0.00070	-0.00052
Mean	**96.12528**	**-0.00028**	**0.00051**	**0.00109**	**-0.00042**	**28.81700**	**-0.00303**	**0.00056**	**-0.00077**
%RSD	0.33751	408.67562	470.52570	55.67452	478.32057	0.35449	13.33018	318.07555	45.92205

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.17173	0.00320	0.70167	-0.01403	-0.00024	0.00340	-0.02372	-0.00034	0.00522
#2	9.16147	0.00071	0.70466	-0.01768	-0.00025	0.00023	-0.01688	0.00014	0.00522
Mean	**9.16660**	**0.00196**	**0.70316**	**-0.01586**	**-0.00024**	**0.00182**	**-0.02030**	**-0.00010**	**0.00522**
%RSD	0.07913	89.94713	0.30045	16.29290	2.50120	123.59281	23.80927	352.36571	0.00000

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00176	-0.00071	-0.00007
#2	-0.00152	0.00088	-0.00058
Mean	**-0.00164**	**0.00009**	**-0.00033**
%RSD	10.65911	1297.39379	109.34614

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:58
SampleId1 : 1110106-1 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 12:53:26
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE16

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00358	0.11059	-0.00182	0.13407	0.02443	-0.00007	-0.00515	8.05607	-0.00013
#2	0.00369	0.11067	-0.00058	0.13336	0.02443	-0.00004	-0.00435	8.00380	-0.00052
Mean	**0.00364**	**0.11063**	**-0.00120**	**0.13371**	**0.02443**	**-0.00005**	**-0.00475**	**8.02993**	**-0.00032**
%RSD	2.15872	0.05188	72.69678	0.37570	0.00000	43.91090	11.89854	0.46031	86.27289

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00078	0.10699	0.06215	0.67557	1.51760	-0.00064	1.52808	0.04629	0.01048
#2	0.00015	0.10532	0.06268	0.67411	1.51289	-0.00067	1.52932	0.04596	0.01026
Mean	**0.00047**	**0.10616**	**0.06241**	**0.67484**	**1.51525**	**-0.00066**	**1.52870**	**0.04612**	**0.01037**
%RSD	95.78969	1.11222	0.60034	0.15339	0.21934	3.37363	0.05727	0.50358	1.47528

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	119.48328	0.02121	0.04221	0.01926	0.01492	6.77414	-0.00089	-0.00056	-0.00082
#2	120.03692	0.02162	0.03498	0.01224	0.01501	6.82396	-0.00328	0.00163	-0.00175
Mean	**119.76010**	**0.02142**	**0.03859**	**0.01575**	**0.01497**	**6.79905**	**-0.00208**	**0.00054**	**-0.00129**
%RSD	0.32689	1.35151	13.25094	31.53364	0.39631	0.51807	81.11253	289.19435	51.20520

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.39044	0.21497	0.04373	-0.01090	0.01612	-0.00304	-0.02043	0.00049	0.14601
#2	3.40182	0.21533	0.04381	-0.00800	0.01612	0.00386	-0.03224	0.00031	0.14719
Mean	**3.39613**	**0.21515**	**0.04377**	**-0.00945**	**0.01612**	**0.00041**	**-0.02633**	**0.00040**	**0.14660**
%RSD	0.23684	0.11703	0.12901	21.67776	0.00000	1184.52117	31.70341	32.87931	0.57096

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00058	0.01637	-0.00073
#2	-0.00005	0.01408	-0.00062
Mean	**0.00027**	**0.01523**	**-0.00068**
%RSD	166.94053	10.60077	11.34327

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:58
SampleId1 : EX111012-13MB SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 12:55:14
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE17

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00031	-0.04529	0.00084	0.00131	0.00007	-0.00023	-0.00311	0.05143	-0.00011
#2	0.00032	-0.04287	0.00046	0.00017	0.00011	-0.00024	-0.00167	0.05038	-0.00019
Mean	**0.00031**	**-0.04408**	**0.00065**	**0.00074**	**0.00009**	**-0.00024**	**-0.00239**	**0.05090**	**-0.00015**
%RSD	3.00247	3.88019	41.25952	108.30164	28.71558	4.89595	42.58300	1.45717	39.62737

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00029	-0.00016	-0.00140	-0.00967	-0.14768	-0.00222	-0.03460	-0.00009	-0.00157
#2	-0.00104	0.00003	-0.00130	-0.01051	-0.14718	-0.00220	-0.04120	-0.00001	-0.00272
Mean	**-0.00067**	**-0.00007**	**-0.00135**	**-0.01009**	**-0.14743**	**-0.00221**	**-0.03790**	**-0.00005**	**-0.00214**
%RSD	80.39363	195.93766	5.21664	5.82902	0.23692	0.40143	12.30910	107.78318	38.08598

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	148.42447	0.00027	-0.00455	0.00067	-0.00148	-0.04144	-0.00275	0.00306	0.00183
#2	149.00060	-0.00095	0.00219	0.00095	0.00263	-0.04435	-0.00436	-0.00147	0.00083
Mean	**148.71254**	**-0.00034**	**-0.00118**	**0.00081**	**0.00058**	**-0.04289**	**-0.00355**	**0.00080**	**0.00133**
%RSD	0.27394	254.77244	404.39117	24.19236	505.60472	4.78920	32.14775	401.12390	53.20633

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00507	0.00534	-0.00374	-0.00934	-0.00203	-0.00477	0.00179	0.00028	-0.00010

#2	-0.00788	0.00285	-0.00378	-0.00413	-0.00211	-0.00651	-0.01437	-0.00023	-0.00128
Mean	**-0.00648**	**0.00409**	**-0.00376**	**-0.00673**	**-0.00207**	**-0.00564**	**-0.00629**	**0.00003**	**-0.00069**
%RSD	30.62267	43.00649	0.75027	54.74330	2.93684	21.74495	181.60597	1460.61120	121.08455

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00009	-0.00077	0.00224
#2	-0.00043	0.00207	0.00007
Mean	**-0.00017**	**0.00065**	**0.00115**
%RSD	221.51001	307.11121	133.28280

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:58
SampleId1 : EX111012-13RVS SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 12:57:02
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE18

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00946	0.91634	0.04429	0.04080	0.04916	0.00935	0.09754	4.77673	0.01881
#2	0.00830	0.92152	0.04981	0.03980	0.04913	0.00942	0.09225	4.75560	0.01877
Mean	**0.00888**	**0.91893**	**0.04705**	**0.04030**	**0.04914**	**0.00938**	**0.09490**	**4.76616**	**0.01879**
%RSD	9.19238	0.39845	8.29026	1.74466	0.05226	0.50404	3.93943	0.31343	0.14221

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01881	0.04961	0.04872	0.94638	8.04832	0.03733	4.72135	0.04900	0.10118
#2	0.01774	0.04936	0.04890	0.94691	8.08540	0.03754	4.72424	0.04875	0.09815
Mean	**0.01827**	**0.04949**	**0.04881**	**0.94665**	**8.06686**	**0.03743**	**4.72280**	**0.04887**	**0.09966**
%RSD	4.15416	0.36731	0.25774	0.03914	0.32508	0.39667	0.04333	0.35644	2.15053

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.15857	0.05072	0.92943	0.04912	0.04601	0.88293	0.09219	0.03913	0.04034
#2	8.19971	0.04911	0.94396	0.04615	0.05067	0.88583	0.09160	0.03781	0.04105
Mean	**8.17914**	**0.04991**	**0.93670**	**0.04763**	**0.04834**	**0.88438**	**0.09189**	**0.03847**	**0.04070**
%RSD	0.35575	2.27511	1.09688	4.40572	6.80815	0.23255	0.45813	2.43682	1.24489

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.24252	0.09532	0.04544	-0.00650	0.04600	0.08764	0.50456	0.05004	0.04721
#2	0.24230	0.09567	0.04560	-0.01330	0.04607	0.08655	0.49896	0.04941	0.04632
Mean	**0.24241**	**0.09550**	**0.04552**	**-0.00990**	**0.04603**	**0.08709**	**0.50176**	**0.04972**	**0.04676**
%RSD	0.06456	0.26349	0.24807	48.55472	0.10575	0.88707	0.78838	0.89355	1.34146

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.04521	0.04705	0.03994
#2	0.04650	0.04916	0.03997

Mean	**0.04585**	**0.04811**	**0.03995UNDGREEN**
%RSD	1.99893	3.11061	0.06441

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:59
SampleId1 : EX111012-13LCS **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 12:58:50
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE19

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09382	2.02433	1.94419	0.49365	2.00369	0.04869	-0.00072	0.06139	0.04941
#2	0.09433	2.01655	1.95072	0.49479	2.00491	0.04866	-0.00776	0.06060	0.04947
Mean	**0.09408**	**2.02044**	**1.94746**	**0.49422**	**2.00430**	**0.04867**	**-0.00424**	**0.06100**	**0.04944**
%RSD	0.38049	0.27244	0.23706	0.16279	0.04323	0.04986	117.55399	0.91200	0.08612

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49518	0.20234	0.25733	0.95519	-0.13434	-0.00206	-0.03502	0.49470	1.02933
#2	0.49405	0.20173	0.25872	0.95508	-0.13953	-0.00207	-0.03790	0.49404	1.03063
Mean	**0.49461**	**0.20203**	**0.25802**	**0.95513**	**-0.13693**	**-0.00206**	**-0.03646**	**0.49437**	**1.02998**
%RSD	0.16273	0.21222	0.38082	0.00776	2.67842	0.10745	5.59842	0.09453	0.08955

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	153.34725	0.51254	-0.00769	0.50142	0.48489	-0.04144	0.48524	1.86866	1.83846
#2	152.74497	0.51377	-0.00239	0.49727	0.48090	-0.02982	0.48332	1.85554	1.83846
Mean	**153.04611**	**0.51316**	**-0.00504**	**0.49935**	**0.48289**	**-0.03563**	**0.48428**	**1.86210**	**1.83846**
%RSD	0.27827	0.16941	74.44548	0.58649	0.58463	23.06195	0.28073	0.49812	0.00000

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.93201	0.51405	0.50020	-0.00186	0.47921	2.03500	-0.01689	0.50088	0.49271
#2	1.93605	0.51441	0.49948	-0.00146	0.47975	2.05791	-0.01813	0.49832	0.49538
Mean	**1.93403**	**0.51423**	**0.49984**	**-0.00166**	**0.47948**	**2.04645**	**-0.01751**	**0.49960**	**0.49405**
%RSD	0.14765	0.04893	0.10128	16.86312	0.07999	0.79139	5.01809	0.36160	0.38222

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00265	0.49039	1.84852
#2	0.00177	0.48635	1.84415
Mean	**0.00221**	**0.48837**	**1.84633**
%RSD	28.05648	0.58526	0.16729

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:59
SampleId1 : 1110002-14 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 13:00:39
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE20

Final concentrations **56:28** **User: MIKE LUNDGREEN**

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00037	-0.02701	0.00018	0.02595	0.08080	-0.00010	-0.00424	86.55300	-0.00005
#2	-0.00037	-0.02902	0.00084	0.02581	0.08087	-0.00011	-0.00792	86.45092	-0.00013
Mean	**-0.00037**	**-0.02802**	**0.00051**	**0.02588**	**0.08084**	**-0.00011**	**-0.00608**	**86.50196**	**-0.00009**
%RSD	0.14238	5.07932	92.42832	0.38806	0.06356	5.09685	42.85821	0.08344	59.07920

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00081	-0.00046	-0.00154	0.00208	-0.01479	-0.00025	3.08378	0.00434	-0.00243
#2	-0.00074	-0.00057	-0.00146	0.00176	-0.01676	-0.00026	3.07759	0.00434	-0.00099
Mean	**-0.00077**	**-0.00051**	**-0.00150**	**0.00192**	**-0.01578**	**-0.00025**	**3.08069**	**0.00434**	**-0.00171**
%RSD	5.78851	15.96872	4.04360	11.49295	8.85716	3.50922	0.14221	0.00000	59.65724

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	154.90610	-0.00086	-0.00624	-0.00124	0.00239	0.36829	-0.00424	-0.00809	0.00484
#2	153.71958	-0.00099	-0.00166	-0.00355	0.00111	0.37701	-0.00228	0.00083	0.00248
Mean	**154.31284**	**-0.00092**	**-0.00395**	**-0.00240**	**0.00175**	**0.37265**	**-0.00326**	**-0.00363**	**0.00366**
%RSD	0.54370	9.64534	81.93982	68.39191	51.70167	1.65463	42.55104	173.86212	45.62728

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.40677	0.00214	0.23702	-0.01218	-0.00185	-0.00370	-0.03178	-0.00008	-0.00099
#2	0.40655	0.00712	0.23693	-0.01019	-0.00193	-0.00379	-0.03054	-0.00016	0.00049
Mean	**0.40666**	**0.00463**	**0.23697**	**-0.01119**	**-0.00189**	**-0.00374**	**-0.03116**	**-0.00012**	**-0.00025**
%RSD	0.03710	76.10312	0.02692	12.60480	2.90233	1.70388	2.82121	43.42884	422.95993

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00032	0.00118	0.00054
#2	-0.00035	-0.00044	0.00193
Mean	**-0.00033**	**0.00037**	**0.00124**
%RSD	6.71550	309.55120	79.73464

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:59
SampleId1 : CCV **SampleId2 :** **[CV]**
Analysis commenced : 10/14/2011 13:02:28
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD6

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.19684	50.81287	0.50916	1.02829	1.01029	0.49347	0.52436	51.21322	0.51176
#2	0.19775	51.21410	0.51586	1.03335	1.01903	0.49355	0.52872	51.14480	0.51081
Mean	**0.19729**	**51.01349**	**0.51251**	**1.03082**	**1.01466**	**0.49351**	**0.52654**	**51.17901**	**0.51129**
%RSD	0.32577	0.55616	0.92415	0.34684	0.60911	0.01089	0.58566	0.09453	0.13099

ted: 10/17/2011 09:56:28 User: MIKE LUNDGREEN

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.50276	1.01910	1.03664	20.14719	52.57272	0.52470	50.61880	1.00086	1.03708
#2	0.50296	1.01775	1.04756	20.17593	53.02868	0.53003	50.84646	1.00252	1.03998
Mean	**0.50286**	**1.01843**	**1.04210**	**20.16156**	**52.80070**	**0.52736**	**50.73263**	**1.00169**	**1.03853**
%RSD	0.02791	0.09389	0.74036	0.10080	0.61062	0.71508	0.31730	0.11743	0.19738

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.73035	1.04033	5.14657	1.00537	1.00653	5.05014	0.50801	0.99110	0.98974
#2	50.15183	1.03843	5.14162	1.00894	1.00415	5.10862	0.50656	0.98582	0.99147
Mean	**49.94109**	**1.03938**	**5.14410**	**1.00715**	**1.00534**	**5.07938**	**0.50728**	**0.98846**	**0.99061**
%RSD	0.59677	0.12884	0.06798	0.25079	0.16752	0.81409	0.20136	0.37807	0.12352

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.89510	1.03211	0.50692	0.33031	0.48832	0.51909	5.17026	0.49919	0.99782
#2	4.92242	1.04568	0.51077	0.32781	0.49003	0.52040	5.20696	0.50112	0.98709
Mean	**4.90876**	**1.03889**	**0.50885**	**0.32906**	**0.48917**	**0.51975**	**5.18861**	**0.50016**	**0.99246**
%RSD	0.39356	0.92356	0.53396	0.53915	0.24765	0.17749	0.50011	0.27299	0.76398

	Zr	Pb	Se
	ppm	calc	calc
#1	1.00513	1.00614	0.99019
#2	1.01033	1.00574	0.98959
Mean	**1.00773**	**1.00594**	**0.98989**
%RSD	0.36489	0.02806	0.04327

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:59
SampleId1 : CCB SampleId2 : [CB]
Analysis commenced : 10/14/2011 13:04:23
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD2

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00045	0.01925	-0.00134	-0.00544	0.00062	0.00014	-0.00086	0.00318	0.00003
#2	0.00026	0.01012	0.00084	-0.00657	0.00040	0.00009	-0.00375	-0.00312	0.00010
Mean	**0.00036**	**0.01468**	**-0.00025**	**-0.00600**	**0.00051**	**0.00012**	**-0.00230**	**0.00003**	**0.00006**
%RSD	38.80101	43.99920	614.94899	13.38042	30.38616	25.97600	88.61002	15244.91909	79.20134

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00091	0.00149	-0.00035	0.01123	-0.15558	-0.00197	0.00251	0.00064	0.00096
#2	0.00028	0.00040	-0.00035	0.00883	-0.15138	-0.00199	-0.00368	0.00064	-0.00048
Mean	**0.00060**	**0.00094**	**-0.00035**	**0.01003**	**-0.15348**	**-0.00198**	**-0.00058**	**0.00064**	**0.00024**
%RSD	75.00531	82.09575	0.87234	16.86140	1.93443	1.00842	750.94016	0.00000	429.27268

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01248	0.00037	0.00147	0.00208	-0.00624	-0.03563	0.00196	-0.00300	-0.00224
#2	0.00369	-0.00162	-0.00094	0.00574	-0.00111	-0.03272	0.00058	0.00382	-0.00260
Mean	**0.00808**	**-0.00062**	**0.00027**	**0.00391**	**-0.00367**	**-0.03418**	**0.00127**	**0.00041**	**-0.00242**
%RSD	76.87407	224.71363	640.54779	66.16592	98.84136	6.01053	76.72389	1164.92022	10.45955

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01788	0.00071	-0.00335	-0.00847	-0.00150	0.00096	0.00115	0.00110	-0.00069
#2	-0.01777	0.00285	-0.00344	-0.00510	-0.00136	-0.00205	-0.00444	0.00055	-0.00069
Mean	**-0.01783**	**0.00178**	**-0.00339**	**-0.00678**	**-0.00143**	**-0.00055**	**-0.00164**	**0.00082**	**-0.00069**
%RSD	0.44063	84.73122	1.86909	35.12508	6.82491	389.25960	240.52100	47.63837	0.00000

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00123	-0.00347	-0.00249
#2	0.00088	0.00117	-0.00046
Mean	**0.00105**	**-0.00115**	**-0.00148**
%RSD	23.27925	286.43920	97.18562

Method : Paragon File : 111014A Printed : 10/17/2011 09:55:59
SampleId1 : 1110002-15 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 13:06:17
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE21

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00047	-0.02128	-0.00134	0.02780	0.01993	-0.00026	-0.00327	20.17055	-0.00030
#2	0.00062	-0.02223	0.00103	0.02730	0.01986	-0.00025	-0.00199	20.11493	-0.00009
Mean	**0.00055**	**-0.02175**	**-0.00016**	**0.02755**	**0.01989**	**-0.00026**	**-0.00263**	**20.14274**	**-0.00020**
%RSD	19.84175	3.07981	1074.84852	1.27593	0.25812	0.68988	34.44854	0.19525	75.25664

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00077	-0.00009	-0.00182	-0.00458	-0.03504	-0.00025	2.49901	0.03290	-0.00229
#2	-0.00045	0.00029	-0.00129	-0.00489	-0.03504	-0.00027	2.49860	0.03290	-0.00193
Mean	**-0.00061**	**0.00010**	**-0.00155**	**-0.00474**	**-0.03504**	**-0.00026**	**2.49880**	**0.03290**	**-0.00211**
%RSD	36.75061	267.13875	23.85439	4.65782	0.00000	6.84851	0.01168	0.00000	12.10563

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	151.26468	0.00027	0.00075	0.00138	0.00187	0.51072	-0.00115	-0.00411	0.00406
#2	151.00694	-0.00010	0.00388	0.00138	0.00103	0.51072	-0.00149	0.00546	0.00141
Mean	**151.13581**	**0.00008**	**0.00231**	**0.00138**	**0.00145**	**0.51072**	**-0.00132**	**0.00068**	**0.00273**
%RSD	0.12059	317.11698	95.71552	0.03386	40.88293	0.00000	18.44265	1000.02053	68.62915

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.44088	0.00534	0.14992	-0.00530	-0.00184	-0.00850	-0.01686	-0.00034	-0.00187
#2	0.44252	0.00036	0.14979	-0.00715	-0.00187	-0.00569	-0.02121	0.00021	-0.00069
Mean	**0.44170**	**0.00285**	**0.14985**	**-0.00622**	**-0.00186**	**-0.00709**	**-0.01903**	**-0.00007**	**-0.00128**
%RSD	0.26236	123.61588	0.06138	21.06611	1.31085	28.03174	16.15952	591.17952	65.23237

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00030	0.00171	0.00134
#2	0.00034	0.00115	0.00276
Mean	**0.00032**	**0.00143**	**0.00205**
%RSD	7.51623	27.67778	49.08242

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:00
SampleId1 : 1110002-16 SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:08:05
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE22

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00043	-0.04547	0.00103	0.02638	0.04829	-0.00027	-0.00343	87.21343	-0.00020
#2	-0.00088	-0.03985	0.00037	0.02574	0.04822	-0.00027	-0.00776	86.73071	-0.00045
Mean	**-0.00066**	**-0.04266**	**0.00070**	**0.02606**	**0.04825**	**-0.00027**	**-0.00560**	**86.97207**	**-0.00033**
%RSD	48.27170	9.30337	67.29578	1.73436	0.10644	1.45564	54.70330	0.39246	55.80895

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00053	-0.00020	-0.00112	-0.00676	-0.00293	-0.00013	3.03835	0.02428	-0.00149
#2	-0.00142	-0.00127	-0.00233	-0.00697	-0.01405	-0.00012	3.03628	0.02428	-0.00185
Mean	**-0.00098**	**-0.00074**	**-0.00173**	**-0.00687**	**-0.00849**	**-0.00013**	**3.03732**	**0.02428**	**-0.00167**
%RSD	63.98443	102.40989	49.66089	2.14131	92.58767	1.76336	0.04808	0.00000	15.23565

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	155.49139	0.00012	-0.00552	-0.00069	0.00084	1.51142	-0.00492	-0.00356	0.00327
#2	155.63032	0.00012	-0.00166	-0.00027	0.00316	1.49977	-0.00675	0.00546	0.00334
Mean	**155.56085**	**0.00012**	**-0.00359**	**-0.00048**	**0.00200**	**1.50559**	**-0.00583**	**0.00095**	**0.00330**
%RSD	0.06315	0.00000	75.95029	61.38546	81.73199	0.54683	22.12103	671.34695	1.53381

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.34196	0.00783	0.21636	-0.01057	-0.00240	-0.00578	-0.01934	-0.00009	-0.00217
#2	0.34164	0.00072	0.21706	-0.01423	-0.00245	-0.00996	-0.02369	-0.00101	-0.00246
Mean	**0.34180**	**0.00427**	**0.21671**	**-0.01240**	**-0.00242**	**-0.00787**	**-0.02152**	**-0.00055**	**-0.00232**
%RSD	0.06640	117.75157	0.22886	20.82524	1.50571	37.55454	14.29412	119.40752	9.02385

	Zr	**Pb**	**Se**
	ppm	calc	calc

#1	0.00043	0.00033	0.00099	**UNDGREEN**
#2	0.00019	0.00201	0.00405	
Mean	**0.00031**	**0.00117**	**0.00252**	
%RSD	56.17064	101.29281	85.67156	

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:00
SampleId1 : 1110002-17 SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:09:54
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE23

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00028	-0.04148	-0.00172	0.01452	0.03394	-0.00028	-0.00071	96.10853	-0.00027
#2	-0.00013	-0.04658	0.00122	0.01495	0.03405	-0.00027	0.00041	96.41800	-0.00036
Mean	**-0.00021**	**-0.04403**	**-0.00025**	**0.01473**	**0.03400**	**-0.00027**	**-0.00015**	**96.26326**	**-0.00031**
%RSD	49.39287	8.18167	828.86537	2.04521	0.22657	3.09945	533.56245	0.22732	20.47958

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00125	-0.00006	-0.00181	-0.00915	0.07488	-0.00046	2.59605	0.01402	-0.00236
#2	-0.00049	-0.00003	-0.00147	-0.00884	0.07340	-0.00043	2.61050	0.01419	-0.00135
Mean	**-0.00087**	**-0.00004**	**-0.00164**	**-0.00900**	**0.07414**	**-0.00044**	**2.60327**	**0.01410**	**-0.00185**
%RSD	61.55023	39.12554	14.69391	2.45110	1.41364	3.99498	0.39257	0.82304	38.51093

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	152.04023	-0.00102	-0.00094	-0.00323	0.00088	2.52212	-0.00264	-0.00621	0.00255
#2	152.58749	-0.00045	-0.00721	0.00003	0.00029	2.52504	-0.00160	-0.00334	0.00327
Mean	**152.31386**	**-0.00073**	**-0.00407**	**-0.00160**	**0.00059**	**2.52358**	**-0.00212**	**-0.00477**	**0.00291**
%RSD	0.25406	54.56946	108.81028	144.09277	71.39687	0.08167	34.67955	42.50922	17.41068

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.43393	0.00498	0.20463	-0.01354	-0.00221	-0.00742	-0.02307	-0.00005	-0.00099
#2	0.43458	0.00178	0.20533	-0.01264	-0.00232	-0.00551	-0.01499	0.00028	-0.00069
Mean	**0.43426**	**0.00338**	**0.20498**	**-0.01309**	**-0.00227**	**-0.00646**	**-0.01903**	**0.00012**	**-0.00084**
%RSD	0.10492	66.91937	0.24190	4.88483	3.49161	20.91426	30.01580	199.92850	24.93396

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00026	-0.00049	-0.00037
#2	0.00050	0.00020	0.00107
Mean	**0.00038**	**-0.00014**	**0.00035**
%RSD	45.12341	345.12647	288.66325

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:00
SampleId1 : 1110002-18 SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:11:44

Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE24

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00082	-0.04233	0.00227	0.01551	0.05374	-0.00029	-0.00471	89.88958	0.00011
#2	-0.00013	-0.04392	-0.00077	0.01495	0.05414	-0.00031	-0.00071	89.58689	-0.00001
Mean	**0.00034**	**-0.04313**	**0.00075**	**0.01523**	**0.05394**	**-0.00030**	**-0.00271**	**89.73823**	**0.00005**
%RSD	193.80705	2.60403	288.05070	2.63794	0.52378	5.35959	104.33824	0.23851	171.47773

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00015	0.00025	-0.00165	-0.00832	0.07241	-0.00054	2.46309	0.01263	-0.00229
#2	-0.00053	-0.00020	-0.00190	-0.00874	0.05907	-0.00054	2.46433	0.01271	-0.00121
Mean	**-0.00034**	**0.00003**	**-0.00177**	**-0.00853**	**0.06574**	**-0.00054**	**2.46371**	**0.01267**	**-0.00175**
%RSD	79.01449	1231.44434	9.97966	3.44740	14.34807	1.23262	0.03555	0.45818	43.81869

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	143.78348	-0.00007	0.00027	0.00135	-0.00081	0.94110	-0.00092	0.00525	0.00133
#2	143.90593	0.00005	-0.00142	-0.00233	-0.00021	0.97019	-0.00309	-0.00147	0.00284
Mean	**143.84470**	**-0.00001**	**-0.00058**	**-0.00049**	**-0.00051**	**0.95564**	**-0.00200**	**0.00189**	**0.00208**
%RSD	0.06020	872.31591	206.57507	529.40551	82.35102	2.15229	76.29337	251.51924	51.01315

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.47827	0.00392	0.19393	-0.00519	-0.00199	-0.00823	-0.00940	0.00051	-0.00069
#2	0.47873	0.00570	0.19490	-0.01047	-0.00209	-0.00633	-0.02245	-0.00005	-0.00039
Mean	**0.47850**	**0.00481**	**0.19442**	**-0.00783**	**-0.00204**	**-0.00728**	**-0.01592**	**0.00023**	**-0.00054**
%RSD	0.06784	26.17405	0.35333	47.65613	3.58375	18.45389	57.94735	171.48214	38.51527

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00010	-0.00009	0.00264
#2	0.00018	-0.00092	0.00140
Mean	**0.00014**	**-0.00051**	**0.00202**
%RSD	42.42609	115.32182	43.27408

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:00
SampleId1 : 1110002-21 SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:13:33
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE25

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00042	-0.03228	0.00208	0.00053	0.08120	-0.00023	-0.00135	96.71120	0.00018
#2	0.00086	-0.03241	0.00445	0.00259	0.08149	-0.00024	0.00186	97.40101	0.00041

Mean	**0.00064**	**-0.03235**	**0.00327**	**0.00156**	**0.08135**	**-0.00023**	**0.00026**	**97.05611**	**0.00029**
%RSD	48.85966	0.30162	51.45648	93.43693	0.25266	2.95907	883.12083	0.50256	54.94077

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00049	0.00005	-0.00078	-0.00572	-0.09062	-0.00172	0.60591	0.00204	-0.00106
#2	-0.00024	0.00083	-0.00044	-0.00479	-0.08593	-0.00171	0.61540	0.00212	-0.00070
Mean	**-0.00036**	**0.00044**	**-0.00061**	**-0.00526**	**-0.08827**	**-0.00171**	**0.61066**	**0.00208**	**-0.00088**
%RSD	49.28222	123.96808	39.61108	12.59109	3.75929	0.77620	1.09862	2.79008	28.96650

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	148.99005	0.00075	-0.00359	0.00359	0.00026	0.08639	-0.00103	-0.00554	0.00305
#2	148.40871	0.00131	-0.00600	0.00535	-0.00210	0.08639	0.00126	0.00328	-0.00017
Mean	**148.69938**	**0.00103**	**-0.00480**	**0.00447**	**-0.00092**	**0.08639**	**0.00012**	**-0.00113**	**0.00144**
%RSD	0.27644	38.95223	35.53955	27.86996	180.67468	0.00000	1371.11264	550.56152	158.15626

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.16381	0.00285	0.08144	-0.01126	-0.00220	-0.00742	-0.01499	0.00058	-0.00039
#2	0.16858	0.00854	0.08169	-0.01306	-0.00215	-0.00105	-0.00505	0.00110	-0.00069
Mean	**0.16620**	**0.00570**	**0.08157**	**-0.01216**	**-0.00218**	**-0.00423**	**-0.01002**	**0.00084**	**-0.00054**
%RSD	2.02868	70.66959	0.21650	10.49725	1.67845	106.25748	70.14322	43.61907	38.51527

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00019	0.00137	0.00019
#2	0.00076	0.00038	0.00098
Mean	**0.00047**	**0.00087**	**0.00058**
%RSD	85.57507	79.48270	95.10340

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:00
SampleId1 : 1110002-24 SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:15:22
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE26

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00052	-0.04053	0.00198	-0.00025	0.09694	-0.00018	-0.00328	93.01637	-0.00010
#2	-0.00038	-0.03635	0.00170	-0.00075	0.09686	-0.00023	-0.00231	92.86698	0.00022
Mean	**-0.00045**	**-0.03844**	**0.00184**	**-0.00050**	**0.09690**	**-0.00020**	**-0.00279**	**92.94167**	**0.00006**
%RSD	21.28635	7.69092	10.96006	70.17415	0.05304	17.60909	24.47003	0.11366	379.11438

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00078	-0.00051	-0.00163	-0.00624	0.19619	-0.00160	1.16246	0.00253	-0.00128
#2	-0.00078	-0.00058	-0.00147	-0.00614	0.20088	-0.00161	1.16164	0.00261	-0.00077
Mean	**-0.00078**	**-0.00055**	**-0.00155**	**-0.00619**	**0.19853**	**-0.00161**	**1.16205**	**0.00257**	**-0.00102**

%RSD	0.01082	8.70617	7.28113	1.18754	1.67194	0.27590	0.05022	2.25600	34.84363

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	145.91527	-0.00149	-0.00504	-0.00029	0.00196	0.09221	-0.00056	0.00226	0.00262
#2	145.44394	-0.00039	-0.01709	0.00003	0.00135	0.09511	-0.00411	-0.00290	0.00355
Mean	**145.67961**	**-0.00094**	**-0.01106**	**-0.00013**	**0.00166**	**0.09366**	**-0.00234**	**-0.00032**	**0.00309**
%RSD	0.22877	82.98188	77.03189	172.63233	25.70306	2.19368	107.34389	1148.38620	21.31290

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.22763	0.00427	0.07231	-0.00975	-0.00186	-0.00961	-0.03302	-0.00034	-0.00128
#2	0.22870	0.00356	0.07221	-0.01350	-0.00185	-0.00051	-0.01499	-0.00034	-0.00069
Mean	**0.22817**	**0.00392**	**0.07226**	**-0.01163**	**-0.00185**	**-0.00506**	**-0.02401**	**-0.00034**	**-0.00099**
%RSD	0.32903	12.84718	0.09773	22.76103	0.32847	127.07521	53.08662	0.00414	42.39350

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00028	0.00121	0.00250
#2	0.00021	0.00091	0.00141
Mean	**-0.00004**	**0.00106**	**0.00195**
%RSD	956.92854	19.63560	39.70498

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:00
SampleId1 : 1110002-24D SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:17:11
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE27

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00013	-0.03290	-0.00106	-0.00217	0.09603	-0.00023	-0.00632	91.18157	0.00022
#2	0.00063	-0.03383	-0.00020	-0.00096	0.09592	-0.00024	-0.00071	91.24991	-0.00010
Mean	**0.00025**	**-0.03337**	**-0.00063**	**-0.00157**	**0.09597**	**-0.00023**	**-0.00351**	**91.21574**	**0.00006**
%RSD	212.48462	1.96420	95.77389	54.50738	0.08032	2.99394	112.83764	0.05297	387.30568

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00079	-0.00026	-0.00181	-0.00458	0.17939	-0.00167	1.14307	0.00261	-0.00099
#2	-0.00091	-0.00026	-0.00146	-0.00416	0.18136	-0.00166	1.14678	0.00278	-0.00128
Mean	**-0.00085**	**-0.00026**	**-0.00164**	**-0.00437**	**0.18038**	**-0.00167**	**1.14493**	**0.00270**	**-0.00113**
%RSD	10.54337	0.54517	15.13161	6.72746	0.77484	0.26604	0.22935	4.30594	18.00902

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	143.86386	-0.00029	-0.01010	-0.00257	0.00308	0.09221	-0.00492	-0.01017	-0.00218
#2	143.48119	-0.00073	0.00075	0.00039	0.00008	0.09511	-0.00011	-0.00170	0.00506
Mean	**143.67253**	**-0.00051**	**-0.00467**	**-0.00109**	**0.00158**	**0.09366**	**-0.00251**	**-0.00593**	**0.00144**
%RSD	0.18834	60.64287	164.05323	191.49237	133.99371	2.19368	135.37789	100.98775	354.87976

ted: 10/17/2011 09:56:28 User: MIKE LUNDGREEN

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.22469	0.00356	0.07148	-0.01108	-0.00173	-0.00724	-0.02307	0.00006	-0.00039
#2	0.22426	0.00214	0.07153	-0.00577	-0.00169	-0.00034	-0.02680	0.00054	-0.00069
Mean	**0.22447**	**0.00285**	**0.07151**	**-0.00842**	**-0.00171**	**-0.00379**	**-0.02494**	**0.00030**	**-0.00054**
%RSD	0.13555	35.32234	0.04938	44.58471	1.42296	128.79729	10.57318	112.01242	38.51527

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00003	0.00120	-0.00484
#2	-0.00018	0.00018	0.00281
Mean	**-0.00010**	**0.00069**	**-0.00101**
%RSD	102.07845	103.74706	533.09220

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:01
SampleId1 : 1110002-24L 5X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:18:58
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE28

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00077	-0.03773	0.00018	-0.00785	0.01931	-0.00020	-0.00039	18.82072	-0.00045
#2	-0.00013	-0.03485	-0.00210	-0.00671	0.01942	-0.00022	-0.00055	18.93823	-0.00040
Mean	**-0.00045**	**-0.03629**	**-0.00096**	**-0.00728**	**0.01937**	**-0.00021**	**-0.00047**	**18.87947**	**-0.00043**
%RSD	101.29459	5.61030	167.28442	11.03190	0.39770	6.55191	23.21142	0.44011	8.34734

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00070	-0.00080	-0.00198	-0.00843	-0.11186	-0.00208	0.19675	0.00040	-0.00193
#2	-0.00077	-0.00058	-0.00138	-0.00822	-0.10692	-0.00206	0.19510	0.00048	-0.00272
Mean	**-0.00073**	**-0.00069**	**-0.00168**	**-0.00832**	**-0.10939**	**-0.00207**	**0.19592**	**0.00044**	**-0.00232**
%RSD	6.07598	22.87062	25.12354	1.76677	3.19315	0.42882	0.59538	13.23194	24.15152

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	29.55612	-0.00165	-0.00721	-0.00407	0.00035	-0.00948	-0.00320	-0.01216	-0.00125
#2	29.67828	-0.00105	-0.00190	-0.00080	-0.00128	-0.01239	-0.00321	-0.00213	0.00055
Mean	**29.61720**	**-0.00135**	**-0.00455**	**-0.00243**	**-0.00047**	**-0.01094**	**-0.00320**	**-0.00714**	**-0.00035**
%RSD	0.29166	31.37244	82.32506	95.23451	246.30783	18.78489	0.19961	99.25211	361.76328

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.02855	-0.00427	0.01168	-0.00625	-0.00183	-0.00806	-0.03488	-0.00012	-0.00128
#2	0.02777	0.00036	0.01182	-0.00663	-0.00177	-0.00024	-0.01996	-0.00064	-0.00187
Mean	**0.02816**	**-0.00195**	**0.01175**	**-0.00644**	**-0.00180**	**-0.00415**	**-0.02742**	**-0.00038**	**-0.00158**
%RSD	1.97465	167.37651	0.84046	4.11095	2.36523	133.09115	38.45968	95.98517	26.50355

	Zr	Pb	SeUNDGREEN
	ppm	calc	calc
#1	-0.00084	-0.00113	-0.00488
#2	-0.00047	-0.00112	-0.00035
Mean	**-0.00065**	**-0.00112**	**-0.00261**
%RSD	40.18806	0.50023	122.70311

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:01
SampleId1 : 1110002-24MS SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:20:47
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE29

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09368	2.00804	1.95511	0.49152	2.09761	0.04891	-0.00327	94.10858	0.04878
#2	0.09418	2.00779	1.96661	0.49422	2.09613	0.04908	-0.00199	94.60590	0.04957
Mean	**0.09393**	**2.00792**	**1.96086**	**0.49287**	**2.09687**	**0.04899**	**-0.00263**	**94.35724**	**0.04917**
%RSD	0.37692	0.00885	0.41473	0.38769	0.05014	0.23746	34.49066	0.37269	1.14424

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48557	0.19755	0.26133	0.94764	0.19248	-0.00153	1.17030	0.48784	1.01556
#2	0.48709	0.19852	0.26063	0.94858	0.19718	-0.00151	1.17443	0.48941	1.02390
Mean	**0.48633**	**0.19804**	**0.26098**	**0.94811**	**0.19483**	**-0.00152**	**1.17237**	**0.48863**	**1.01973**
%RSD	0.22009	0.34961	0.18956	0.07034	1.70374	0.58367	0.24887	0.22714	0.57788

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	148.09086	0.50832	-0.00576	0.48810	0.48452	0.10383	0.48449	1.86009	1.82642
#2	148.20916	0.50573	-0.01227	0.49444	0.48460	0.11255	0.49026	1.86854	1.84488
Mean	**148.15001**	**0.50703**	**-0.00901**	**0.49127**	**0.48456**	**0.10819**	**0.48737**	**1.86432**	**1.83565**
%RSD	0.05646	0.36050	51.05211	0.91306	0.01084	5.69738	0.83661	0.32063	0.71113

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.15203	0.51655	0.57576	-0.00450	0.47777	2.03763	-0.03118	0.49847	0.47639
#2	2.15260	0.51512	0.57548	-0.00386	0.47902	2.03863	-0.02434	0.49892	0.48351
Mean	**2.15231**	**0.51584**	**0.57562**	**-0.00418**	**0.47839**	**2.03813**	**-0.02776**	**0.49869**	**0.47995**
%RSD	0.01864	0.19566	0.03474	10.83625	0.18451	0.03485	17.40968	0.06303	1.04907

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00338	0.48571	1.83763
#2	0.00247	0.48788	1.85276
Mean	**0.00292**	**0.48679**	**1.84519**
%RSD	21.86027	0.31404	0.57974

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:02

SampleId1 : 1110002-24MSD **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 13:22:35
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE30

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09400	2.01273	1.96378	0.49408	2.09850	0.04891	-0.00360	94.27214	0.04903
#2	0.09440	1.99861	1.95179	0.49472	2.08397	0.04899	-0.00120	94.63916	0.05015
Mean	**0.09420**	**2.00567**	**1.95779**	**0.49440**	**2.09124**	**0.04895**	**-0.00240**	**94.45565**	**0.04959**
%RSD	0.29770	0.49786	0.43296	0.09154	0.49142	0.11872	70.56585	0.27476	1.58860

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48672	0.19683	0.26238	0.94429	0.19372	-0.00151	1.17897	0.48759	1.02534
#2	0.48607	0.19781	0.25899	0.94240	0.20607	-0.00150	1.17484	0.48776	1.01737
Mean	**0.48639**	**0.19732**	**0.26068**	**0.94334**	**0.19989**	**-0.00151**	**1.17690**	**0.48768**	**1.02136**
%RSD	0.09470	0.35088	0.91959	0.14139	4.36995	0.73643	0.24792	0.02396	0.55188

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	147.32735	0.50599	-0.00070	0.49168	0.48791	0.09221	0.49074	1.87209	1.83427
#2	146.79034	0.50756	-0.00986	0.49391	0.48298	0.08639	0.48918	1.85809	1.83644
Mean	**147.05885**	**0.50677**	**-0.00528**	**0.49279**	**0.48545**	**0.08930**	**0.48996**	**1.86509**	**1.83536**
%RSD	0.25822	0.21992	122.71574	0.32025	0.71731	4.60145	0.22532	0.53079	0.08333

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.15437	0.50978	0.57529	-0.00482	0.47629	2.05053	-0.03864	0.49721	0.47906
#2	2.14506	0.51691	0.57238	-0.00391	0.47553	2.03826	-0.03180	0.49825	0.48025
Mean	**2.14972**	**0.51334**	**0.57383**	**-0.00436**	**0.47591**	**2.04439**	**-0.03522**	**0.49773**	**0.47966**
%RSD	0.30615	0.98214	0.35842	14.67888	0.11256	0.42429	13.72845	0.14723	0.17495

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00015	0.48916	1.84687
#2	0.00020	0.48662	1.84365
Mean	**0.00017**	**0.48789**	**1.84526**
%RSD	21.04461	0.36833	0.12337

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:03
SampleId1 : CCV **SampleId2 :** **[CV]**
Analysis commenced : 10/14/2011 13:24:25
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD6

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	0.19606	50.52953	0.49863	1.01505	1.00423	0.48235	0.51953	50.15747	0.50598
#2	0.19677	50.82481	0.50581	1.01811	1.01047	0.48344	0.52435	50.30905	0.50639
Mean	**0.19642**	**50.67717**	**0.50222**	**1.01658**	**1.00735**	**0.48289**	**0.52194**	**50.23326**	**0.50619**
%RSD	0.25747	0.41201	1.01031	0.21299	0.43820	0.15908	0.65303	0.21337	0.05731

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49347	0.99699	1.03633	19.74056	52.54397	0.52397	50.00198	0.98098	1.02252
#2	0.49581	1.00115	1.04039	19.79922	52.73254	0.52607	50.16865	0.98406	1.02890
Mean	**0.49464**	**0.99907**	**1.03836**	**19.76989**	**52.63825**	**0.52502**	**50.08531**	**0.98252**	**1.02571**
%RSD	0.33529	0.29429	0.27654	0.20981	0.25332	0.28349	0.23530	0.22143	0.43964

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.75721	1.02158	4.99802	0.98811	0.98718	4.97413	0.49761	0.97496	0.97672
#2	49.92246	1.02568	5.02989	0.99568	0.97615	5.01506	0.50059	0.97874	0.97702
Mean	**49.83984**	**1.02363**	**5.01395**	**0.99189**	**0.98166**	**4.99459**	**0.49910**	**0.97685**	**0.97687**
%RSD	0.23445	0.28343	0.44955	0.53953	0.79464	0.57948	0.42186	0.27330	0.02164

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.83688	1.02783	0.50217	0.31676	0.47970	0.51481	5.12884	0.49293	0.95999
#2	4.84803	1.01640	0.50506	0.31689	0.48175	0.51376	5.15432	0.49394	0.96386
Mean	**4.84246**	**1.02212**	**0.50362**	**0.31682**	**0.48072**	**0.51429**	**5.14158**	**0.49344**	**0.96193**
%RSD	0.16281	0.79074	0.40493	0.02982	0.30139	0.14442	0.35034	0.14489	0.28457

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.99328	0.98749	0.97613
#2	0.99863	0.98265	0.97759
Mean	**0.99595**	**0.98507**	**0.97686**
%RSD	0.37986	0.34728	0.10545

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:03
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 10/14/2011 13:26:20
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD2

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00062	0.01266	-0.00001	-0.00785	0.00022	0.00019	-0.00776	-0.00679	0.00016
#2	0.00047	0.01854	0.00341	-0.00608	0.00062	0.00018	-0.00856	0.00921	0.00012
Mean	**-0.00007**	**0.01560**	**0.00170**	**-0.00696**	**0.00042**	**0.00019**	**-0.00816**	**0.00121**	**0.00014**
%RSD	1042.83485	26.62033	142.56791	18.02843	67.85799	1.89512	6.92456	935.35292	20.87493

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00111	-0.00011	-0.00128	0.00779	-0.16818	-0.00201	-0.01316	0.00048	0.00002

#2	-0.00029	0.00020	-0.00111	0.00925	-0.16348	-0.00199	-0.00986	0.00064	0.00038
Mean	**-0.00070**	**0.00005**	**-0.00120**	**0.00852**	**-0.16583**	**-0.00200**	**-0.01151**	**0.00056**	**0.00020**
%RSD	83.09485	474.72305	9.97482	12.07921	2.00099	0.77694	20.26636	20.66377	126.52092

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00316	-0.00143	-0.00552	-0.00268	-0.00082	-0.03272	-0.00250	-0.00676	0.00234
#2	0.01549	-0.00193	-0.00359	-0.00092	-0.00002	-0.02982	0.00070	-0.00511	0.00026
Mean	**0.00617**	**-0.00168**	**-0.00455**	**-0.00180**	**-0.00042**	**-0.03127**	**-0.00090**	**-0.00594**	**0.00130**
%RSD	213.79679	21.21678	29.93628	69.08390	133.75641	6.56893	252.04278	19.71913	112.89740

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.02208	0.00392	-0.00355	-0.00634	-0.00140	-0.00097	-0.03054	-0.00034	-0.00099
#2	-0.01904	0.00249	-0.00339	-0.00610	-0.00132	0.00594	-0.02495	0.00003	-0.00158
Mean	**-0.02056**	**0.00320**	**-0.00347**	**-0.00622**	**-0.00136**	**0.00248**	**-0.02774**	**-0.00016**	**-0.00128**
%RSD	10.43819	31.40610	3.25120	2.67890	4.02093	196.73572	14.25249	167.51289	32.61616

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00023	-0.00144	-0.00069
#2	0.00051	-0.00032	-0.00153
Mean	**0.00037**	**-0.00088**	**-0.00111**
%RSD	53.99994	89.79230	53.15570

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:04
SampleId1 : EX111012-12MB SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:28:15
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE31

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00052	-0.02129	0.00132	0.03469	-0.00033	-0.00016	-0.00408	0.02232	-0.00034
#2	-0.00057	-0.02733	-0.00401	0.03554	-0.00033	-0.00016	-0.00248	0.02101	-0.00060
Mean	**-0.00055**	**-0.02431**	**-0.00134**	**0.03512**	**-0.00033**	**-0.00016**	**-0.00328**	**0.02166**	**-0.00047**
%RSD	6.77706	17.57520	279.95521	1.71620	0.00000	1.43910	34.59990	4.27979	39.23808

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00142	-0.00037	-0.00189	-0.00999	-0.20646	-0.00226	-0.03254	-0.00026	-0.00048
#2	-0.00130	-0.00054	-0.00172	-0.00978	-0.19757	-0.00225	-0.03048	-0.00026	-0.00200
Mean	**-0.00136**	**-0.00046**	**-0.00181**	**-0.00988**	**-0.20201**	**-0.00226**	**-0.03151**	**-0.00026**	**-0.00124**
%RSD	6.57198	27.05532	6.70427	1.48792	3.11217	0.29500	4.62687	0.00000	86.30469

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.75200	-0.00140	0.00195	-0.00376	0.00295	-0.03563	-0.00033	-0.00445	0.00069
#2	0.74444	-0.00089	-0.01106	-0.00156	0.00188	-0.04435	-0.00206	-0.00500	0.00248

Mean	**0.74822**	**-0.00114**	**-0.00455**	**-0.00266**	**0.00241**	**-0.03999**	**-0.00119**	**-0.00473**	**0.00158**
%RSD	0.71504	31.14640	202.07459	58.55973	31.26384	15.41147	102.48270	8.19873	79.95275

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01632	0.00249	-0.00394	-0.00586	-0.00217	-0.00706	-0.03177	-0.00090	-0.00099
#2	-0.01742	-0.00320	-0.00392	-0.00457	-0.00227	-0.00951	-0.02866	-0.00068	-0.00128
Mean	**-0.01687**	**-0.00035**	**-0.00393**	**-0.00521**	**-0.00222**	**-0.00829**	**-0.03022**	**-0.00079**	**-0.00113**
%RSD	4.59967	1142.12675	0.35895	17.38911	3.29179	20.90338	7.27091	19.90253	18.43380

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00009	0.00071	-0.00102
#2	-0.00005	0.00074	-0.00001
Mean	**-0.00007**	**0.00072**	**-0.00052**
%RSD	38.12412	2.03629	138.27673

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:04
SampleId1 : EX111012-12RVS SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:30:04
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE32

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00888	0.95366	0.04838	0.04229	0.04996	0.00977	0.09851	4.92885	0.01993
#2	0.00824	0.94687	0.04981	0.04179	0.05003	0.00975	0.09738	4.91221	0.01933
Mean	**0.00856**	**0.95027**	**0.04910**	**0.04204**	**0.05000**	**0.00976**	**0.09794**	**4.92053**	**0.01963**
%RSD	5.32099	0.50522	2.05479	0.83623	0.10274	0.17741	0.81285	0.23914	2.17492

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01887	0.05140	0.04941	0.97363	8.21011	0.03794	4.82387	0.05007	0.10140
#2	0.01849	0.05124	0.04855	0.96871	8.21285	0.03797	4.80651	0.04982	0.10255
Mean	**0.01868**	**0.05132**	**0.04898**	**0.97117**	**8.21148**	**0.03795**	**4.81519**	**0.04994**	**0.10197**
%RSD	1.43329	0.23247	1.24307	0.35870	0.02358	0.06423	0.25498	0.34882	0.80070

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.35126	0.05163	0.95922	0.04833	0.04964	0.90910	0.09778	0.03781	0.04672
#2	8.37241	0.05182	0.95075	0.04569	0.05053	0.89165	0.09264	0.03858	0.04328
Mean	**8.36184**	**0.05172**	**0.95498**	**0.04701**	**0.05008**	**0.90038**	**0.09521**	**0.03819**	**0.04500**
%RSD	0.17893	0.25829	0.62765	3.96741	1.25286	1.37054	3.81656	1.41488	5.40412

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.24480	0.09994	0.04647	-0.00635	0.04683	0.09338	0.50827	0.05041	0.04602
#2	0.24308	0.09994	0.04650	-0.00795	0.04682	0.09700	0.49957	0.05026	0.04721
Mean	**0.24394**	**0.09994**	**0.04649**	**-0.00715**	**0.04683**	**0.09519**	**0.50392**	**0.05034**	**0.04661**

%RSD	0.49893	0.00001	0.04555	15.86669	0.01299	2.69359	1.22056	0.20905	1.79428

	Zr	Pb	Se
	ppm	calc	calc
#1	0.05152	0.04920	0.04375
#2	0.05103	0.04892	0.04171
Mean	**0.05127**	**0.04906**	**0.04273**
%RSD	0.66702	0.41285	3.37452

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:05
SampleId1 : EX111012-12LCS SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:31:53
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE33

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09482	1.88322	1.92217	0.51143	2.00662	0.04907	-0.00454	0.00396	0.04881
#2	0.09424	1.89639	1.92071	0.51342	2.01223	0.04905	-0.00038	0.00344	0.04910
Mean	**0.09453**	**1.88980**	**1.92144**	**0.51242**	**2.00943**	**0.04906**	**-0.00246**	**0.00370**	**0.04895**
%RSD	0.43813	0.49294	0.05377	0.27478	0.19733	0.02701	119.77271	10.02189	0.41867

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49651	0.20694	0.26141	0.97971	-0.19189	-0.00219	-0.03873	0.50420	1.02230
#2	0.49651	0.20582	0.26220	0.97961	-0.19386	-0.00222	-0.04285	0.50412	1.02723
Mean	**0.49651**	**0.20638**	**0.26181**	**0.97966**	**-0.19287**	**-0.00221**	**-0.04079**	**0.50416**	**1.02476**
%RSD	0.00091	0.38421	0.21332	0.00757	0.72437	0.70401	7.14874	0.01159	0.34003

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.70106	0.52824	0.00244	0.48797	0.47737	-0.04725	0.48354	1.79063	1.75663
#2	0.70368	0.53086	-0.00359	0.48580	0.47695	-0.03563	0.48359	1.79351	1.75785
Mean	**0.70237**	**0.52955**	**-0.00058**	**0.48688**	**0.47716**	**-0.04144**	**0.48357**	**1.79207**	**1.75724**
%RSD	0.26415	0.34939	737.79532	0.31620	0.06286	19.82833	0.00781	0.11364	0.04932

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.88841	0.51298	0.50170	-0.00823	0.48417	1.94430	-0.02623	0.50666	0.48856
#2	1.89226	0.50335	0.50310	-0.00222	0.48485	1.93721	-0.03742	0.50688	0.49212
Mean	**1.89033**	**0.50817**	**0.50240**	**-0.00522**	**0.48451**	**1.94076**	**-0.03182**	**0.50677**	**0.49034**
%RSD	0.14401	1.33932	0.19727	81.39470	0.09926	0.25851	24.85532	0.03100	0.51347

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00487	0.48090	1.76795
#2	0.00262	0.47989	1.76973
Mean	**0.00375**	**0.48040**	**1.76884**
%RSD	42.55249	0.14837	0.07102

ted: 10/17/2011 09:56:28 User: MIKE LUNDGREEN
Method : Paragon File : 111014A Printed : 10/17/2011 09:56:05
SampleId1 : 1110002-13 SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:33:43
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE34

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00002	0.03162	0.00037	0.02361	0.16037	-0.00007	-0.00600	209.69727	0.00042
#2	-0.00053	0.03507	-0.00258	0.02404	0.16041	-0.00006	-0.00824	208.98376	0.00012
Mean	**-0.00028**	**0.03334**	**-0.00111**	**0.02382**	**0.16039**	**-0.00007**	**-0.00712**	**209.34051**	**0.00027**
%RSD	129.40445	7.31401	188.24286	1.26481	0.01603	10.09182	22.28268	0.24101	76.67525

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00240	-0.00032	-0.00164	0.03525	0.85903	-0.00013	2.29958	0.84922	-0.00084
#2	0.00252	-0.00038	-0.00225	0.03463	0.85137	-0.00013	2.28926	0.84822	-0.00221
Mean	**0.00246**	**-0.00035**	**-0.00194**	**0.03494**	**0.85520**	**-0.00013**	**2.29442**	**0.84872**	**-0.00153**
%RSD	3.62100	12.46424	22.29131	1.26303	0.63368	1.72046	0.31810	0.08299	63.35595

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.66176	0.00371	-0.00287	-0.00029	0.00107	0.40607	-0.00033	-0.00181	0.00399
#2	3.65980	0.00415	-0.00576	-0.00221	0.00147	0.40026	-0.00435	0.00216	0.00091
Mean	**3.66078**	**0.00393**	**-0.00431**	**-0.00125**	**0.00127**	**0.40317**	**-0.00234**	**0.00018**	**0.00245**
%RSD	0.03784	7.94023	47.41366	108.90654	22.02138	1.01962	121.36727	1602.57346	88.82098

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.91379	0.00000	0.31289	-0.00731	-0.00085	-0.00571	-0.02434	0.00144	-0.00158
#2	0.91215	-0.00035	0.31284	-0.01081	-0.00068	-0.00398	-0.01813	0.00140	-0.00128
Mean	**0.91297**	**-0.00018**	**0.31286**	**-0.00906**	**-0.00076**	**-0.00485**	**-0.02124**	**0.00142**	**-0.00143**
%RSD	0.12757	142.82738	0.01135	27.34016	15.93108	25.21748	20.69368	1.84678	14.62192

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00046	0.00062	0.00206
#2	-0.00058	0.00025	0.00133
Mean	**-0.00052**	**0.00043**	**0.00169**
%RSD	16.82538	61.36132	30.59771

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:06
SampleId1 : 1110002-13D SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:35:37
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE35

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00038	0.03804	0.00018	0.02517	0.16110	-0.00011	-0.00199	211.69652	0.00016
#2	0.00043	0.03599	-0.00439	0.02425	0.16095	-0.00017	-0.00440	211.12302	0.00010
Mean	**0.00041**	**0.03701**	**-0.00210**	**0.02471**	**0.16103**	**-0.00014**	**-0.00319**	**211.40977**	**0.00013**
%RSD	8.74949	3.90943	153.26969	2.64198	0.06388	32.72242	53.20736	0.19182	30.57220

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00240	0.00000	-0.00172	0.04451	0.87659	-0.00008	2.31940	0.85636	-0.00164
#2	0.00284	-0.00014	-0.00163	0.04461	0.87016	-0.00010	2.31238	0.85553	-0.00149
Mean	**0.00262**	**-0.00007**	**-0.00168**	**0.04456**	**0.87337**	**-0.00009**	**2.31589**	**0.85594**	**-0.00157**
%RSD	11.92357	149.85831	3.66102	0.16507	0.52042	19.77922	0.21431	0.06858	6.51542

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.69306	0.00456	0.00195	-0.00025	0.00445	0.42933	0.00057	-0.00115	0.00385
#2	3.66902	0.00367	-0.00769	-0.00227	0.00218	0.41479	-0.00126	-0.00424	0.00521
Mean	**3.68104**	**0.00411**	**-0.00287**	**-0.00126**	**0.00331**	**0.42206**	**-0.00034**	**-0.00269**	**0.00453**
%RSD	0.46184	15.15131	237.76394	113.32971	48.47170	2.43499	379.66757	80.89576	21.23704

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.94024	0.00356	0.31422	-0.00594	-0.00102	-0.00008	-0.02870	0.00155	-0.00099
#2	0.93752	0.00143	0.31365	-0.00698	-0.00096	-0.00326	-0.02870	0.00174	-0.00099
Mean	**0.93888**	**0.00249**	**0.31394**	**-0.00646**	**-0.00099**	**-0.00167**	**-0.02870**	**0.00164**	**-0.00099**
%RSD	0.20482	60.56474	0.12892	11.42265	4.29402	134.74150	0.00017	7.95225	0.00000

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00044	0.00288	0.00218
#2	-0.00046	0.00070	0.00207
Mean	**-0.00045**	**0.00179**	**0.00212**
%RSD	2.62705	86.41140	3.95140

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:07
SampleId1 : 1110002-13L 5X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:37:26
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE36

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00083	-0.02184	0.00141	-0.00224	0.03177	-0.00020	-0.00263	40.28933	-0.00036
#2	-0.00017	-0.02164	0.00027	-0.00252	0.03177	-0.00025	-0.00311	40.46727	-0.00075
Mean	**-0.00050**	**-0.02174**	**0.00084**	**-0.00238**	**0.03177**	**-0.00023**	**-0.00287**	**40.37830**	**-0.00055**
%RSD	93.15466	0.64330	95.82245	8.42957	0.00000	15.13675	11.83873	0.31161	50.25780

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00037	-0.00046	-0.00198	0.02131	-0.00886	-0.00189	0.42524	0.17541	-0.00366
#2	0.00026	-0.00052	-0.00163	0.02111	0.00300	-0.00186	0.42895	0.17549	-0.00113
Mean	**-0.00005**	**-0.00049**	**-0.00181**	**0.02121**	**-0.00293**	**-0.00187**	**0.42710**	**0.17545**	**-0.00240**
%RSD	822.70065	7.83494	13.77994	0.69345	286.01057	1.06584	0.61460	0.03315	74.53159

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.55670	-0.00099	-0.00721	-0.00408	0.00191	0.04862	-0.00093	-0.00775	-0.00045
#2	0.55388	-0.00039	-0.00142	-0.00186	-0.00006	0.05734	-0.00022	-0.00908	-0.00174
Mean	**0.55529**	**-0.00069**	**-0.00431**	**-0.00297**	**0.00092**	**0.05298**	**-0.00057**	**-0.00841**	**-0.00110**
%RSD	0.35979	61.56007	94.82767	52.98422	150.68984	11.63312	87.58678	11.14813	83.16945

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.16686	-0.00106	0.05960	-0.01042	-0.00186	-0.00102	-0.02247	-0.00060	-0.00099
#2	0.16709	-0.00320	0.05953	-0.00687	-0.00168	-0.00339	-0.02931	0.00029	0.00079
Mean	**0.16698**	**-0.00213**	**0.05957**	**-0.00864**	**-0.00177**	**-0.00220**	**-0.02589**	**-0.00015**	**-0.00010**
%RSD	0.10069	70.81075	0.08297	29.05243	6.87276	75.92079	18.67133	408.13418	1263.07035

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00060	-0.00009	-0.00288
#2	-0.00055	-0.00066	-0.00418
Mean	**-0.00058**	**-0.00037**	**-0.00353**
%RSD	5.99762	108.76181	26.05151

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:07
SampleId1 : 1110002-13MS **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 13:39:16
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE37

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09278	2.06059	1.85956	0.49955	2.11642	0.04652	0.00070	204.72583	0.04819
#2	0.09122	2.03498	1.86462	0.49486	2.10401	0.04641	-0.00684	204.39595	0.04735
Mean	**0.09200**	**2.04778**	**1.86209**	**0.49720**	**2.11022**	**0.04646**	**-0.00307**	**204.56089**	**0.04777**
%RSD	1.19927	0.88410	0.19222	0.66748	0.41609	0.17550	173.45701	0.11403	1.24222

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.46848	0.19112	0.25525	0.99523	0.84272	-0.00008	2.27233	1.30672	0.97274
#2	0.46903	0.19216	0.25325	0.99146	0.83901	-0.00007	2.27564	1.30405	0.97614
Mean	**0.46876**	**0.19164**	**0.25425**	**0.99334**	**0.84086**	**-0.00008**	**2.27399**	**1.30539**	**0.97444**
%RSD	0.08360	0.38271	0.55652	0.26867	0.31184	8.45148	0.10271	0.14475	0.24710

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	3.63227	0.48849	-0.00190	0.47676	0.46421	0.41479	0.47004	1.76552	1.71828
#2	3.59660	0.48710	-0.00431	0.47478	0.46681	0.41770	0.46721	1.74742	1.72520
Mean	**3.61444**	**0.48780**	**-0.00311**	**0.47577**	**0.46551**	**0.41625**	**0.46863**	**1.75647**	**1.72174**
%RSD	0.69784	0.20105	54.83067	0.29285	0.39436	0.49380	0.42779	0.72879	0.28416

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.94088	0.49660	0.79922	-0.00984	0.46657	1.92174	-0.02313	0.48334	0.45118
#2	2.92331	0.49838	0.79496	-0.01087	0.46553	1.92229	-0.01692	0.48156	0.44910
Mean	**2.93209**	**0.49749**	**0.79709**	**-0.01036**	**0.46605**	**1.92202**	**-0.02003**	**0.48245**	**0.45014**
%RSD	0.42361	0.25348	0.37813	7.07832	0.15805	0.02015	21.95353	0.26058	0.32617

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00092	0.46839	1.73401
#2	0.00093	0.46947	1.73260
Mean	**0.00093**	**0.46893**	**1.73331**
%RSD	0.73165	0.16218	0.05766

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:08
SampleId1 : 1110002-13MSD SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:41:05
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE38

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09219	2.07381	1.88234	0.50609	2.15038	0.04702	-0.00393	206.17473	0.04784
#2	0.09358	2.06220	1.88439	0.50560	2.13587	0.04729	-0.00297	209.29431	0.04923
Mean	**0.09288**	**2.06800**	**1.88336**	**0.50584**	**2.14312**	**0.04715**	**-0.00345**	**207.73452**	**0.04853**
%RSD	1.06234	0.39709	0.07677	0.06959	0.47857	0.41379	19.67011	1.06187	2.01816

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.47351	0.19338	0.25951	1.00571	0.84865	-0.00006	2.29463	1.32059	0.98469
#2	0.47766	0.19630	0.25698	1.01463	0.86917	-0.00003	2.30495	1.33069	0.99520
Mean	**0.47559**	**0.19484**	**0.25824**	**1.01017**	**0.85891**	**-0.00004**	**2.29979**	**1.32564**	**0.98995**
%RSD	0.61753	1.05721	0.69168	0.62387	1.68929	45.13443	0.31736	0.53913	0.75045

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.69565	0.49312	-0.00480	0.47976	0.47735	0.41479	0.47320	1.77007	1.73861
#2	3.65467	0.49665	-0.00769	0.48623	0.47383	0.41479	0.47212	1.78274	1.75527
Mean	**3.67516**	**0.49489**	**-0.00624**	**0.48299**	**0.47559**	**0.41479**	**0.47266**	**1.77641**	**1.74694**
%RSD	0.78859	0.50445	32.76614	0.94721	0.52351	0.00000	0.16191	0.50453	0.67410

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.95773	0.49196	0.81192	-0.01058	0.47330	1.93683	-0.02936	0.48897	0.45236

#2	2.96725	0.50622	0.80785	-0.00522	0.47418	1.93920	-0.01755	0.49197	0.46245
Mean	**2.96249**	**0.49909**	**0.80989**	**-0.00790**	**0.47374**	**1.93802**	**-0.02345**	**0.49047**	**0.45741**
%RSD	0.22721	2.01988	0.35542	47.94337	0.13107	0.08660	35.57964	0.43262	1.55917

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00023	0.47815	1.74909
#2	0.00020	0.47796	1.76442
Mean	**-0.00001**	**0.47806**	**1.75675**
%RSD	2096.13215	0.02870	0.61700

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:08
SampleId1 : 1110002-19 SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:42:55
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE39

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00058	-0.02623	0.00284	0.00259	0.12067	-0.00017	-0.00023	222.51089	-0.00017
#2	-0.00017	-0.02814	-0.00268	0.00216	0.12143	-0.00019	-0.00504	221.77719	-0.00035
Mean	**-0.00038**	**-0.02718**	**0.00008**	**0.00238**	**0.12105**	**-0.00018**	**-0.00263**	**222.14404**	**-0.00026**
%RSD	76.58297	4.97789	4792.47978	12.68490	0.44591	6.05655	129.09358	0.23354	46.58511

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00125	-0.00026	-0.00173	-0.00718	0.03363	-0.00165	1.12203	0.01739	-0.00149
#2	-0.00157	-0.00023	-0.00103	-0.00759	0.01955	-0.00166	1.12244	0.01739	-0.00121
Mean	**-0.00141**	**-0.00024**	**-0.00138**	**-0.00739**	**0.02659**	**-0.00166**	**1.12223**	**0.01739**	**-0.00135**
%RSD	15.75076	9.88872	36.05318	3.98121	37.44726	0.80416	0.02600	0.00000	15.12073

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.52609	-0.00061	0.00581	-0.00109	0.00227	0.15904	-0.00125	0.00095	0.00592
#2	0.53040	-0.00061	0.00051	-0.00309	0.00162	0.17647	0.00081	-0.00181	0.00334
Mean	**0.52825**	**-0.00061**	**0.00316**	**-0.00209**	**0.00195**	**0.16776**	**-0.00022**	**-0.00043**	**0.00463**
%RSD	0.57747	0.00000	118.71574	67.51591	23.60393	7.34915	655.55801	457.18746	39.39508

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.33794	0.00178	0.13296	-0.01079	-0.00250	0.00257	-0.01810	0.00032	-0.00039
#2	0.33589	0.00249	0.13378	-0.01175	-0.00262	-0.00442	-0.02804	0.00028	0.00049
Mean	**0.33691**	**0.00214**	**0.13337**	**-0.01127**	**-0.00256**	**-0.00093**	**-0.02307**	**0.00030**	**0.00005**
%RSD	0.43006	23.53368	0.43481	6.02267	3.32453	534.94888	30.47281	8.65035	1292.75181

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00026	0.00115	0.00426
#2	-0.00014	0.00005	0.00163

Mean	**-0.00020**	**0.00060**	**0.00294UNDGREEN**
%RSD	43.19206	129.26044	63.36811

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:09
SampleId1 : 1110002-20 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 13:44:44
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE40

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00101	-0.02443	-0.00239	-0.00231	0.09810	-0.00010	-0.00360	215.42726	-0.00037
#2	-0.00082	-0.02173	0.00189	-0.00153	0.09828	-0.00012	-0.00729	215.28706	-0.00047
Mean	**-0.00092**	**-0.02308**	**-0.00025**	**-0.00192**	**0.09819**	**-0.00011**	**-0.00544**	**215.35716**	**-0.00042**
%RSD	14.96681	8.27257	1203.26701	28.75100	0.13085	12.22293	47.85007	0.04603	16.86771

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00129	-0.00103	-0.00223	-0.00520	-0.08889	-0.00166	1.41748	0.01279	-0.00200
#2	-0.00166	-0.00098	-0.00250	-0.00531	-0.09136	-0.00169	1.41377	0.01271	-0.00250
Mean	**-0.00147**	**-0.00100**	**-0.00236**	**-0.00526**	**-0.09013**	**-0.00168**	**1.41563**	**0.01275**	**-0.00225**
%RSD	18.13716	3.74832	7.99057	1.39901	1.93790	0.92676	0.18552	0.45523	15.86166

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.51402	-0.00086	-0.01251	-0.00266	0.00134	0.15613	-0.00400	-0.00688	0.00255
#2	0.51520	-0.00174	-0.00190	-0.00354	0.00144	0.15613	-0.00469	-0.00941	0.00176
Mean	**0.51461**	**-0.00130**	**-0.00721**	**-0.00310**	**0.00139**	**0.15613**	**-0.00435**	**-0.00814**	**0.00216**
%RSD	0.16228	47.91125	104.06853	20.11337	5.16349	0.00000	11.26084	21.92048	25.82500

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.30938	-0.00106	0.13806	-0.00585	-0.00256	-0.00071	-0.04172	-0.00031	-0.00099
#2	0.31187	0.00356	0.13823	-0.01191	-0.00271	-0.00888	-0.03302	-0.00049	-0.00187
Mean	**0.31063**	**0.00125**	**0.13815**	**-0.00888**	**-0.00264**	**-0.00479**	**-0.03737**	**-0.00040**	**-0.00143**
%RSD	0.56570	261.84274	0.08704	48.31658	3.92489	120.51671	16.46398	32.75005	43.86579

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00073	0.00001	-0.00059
#2	-0.00058	-0.00022	-0.00196
Mean	**-0.00065**	**-0.00010**	**-0.00127**
%RSD	15.97989	155.11508	75.89448

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:09
SampleId1 : CCV **SampleId2 :** **[CV]**
Analysis commenced : 10/14/2011 13:46:34
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD6

Final concentrations **56:28** **User: MIKE LUNDGREEN**

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.19665	50.81720	0.50390	1.01954	1.00588	0.48738	0.51762	50.93592	0.50878
#2	0.19668	50.84080	0.50303	1.02032	1.00992	0.48944	0.50979	51.00263	0.50944
Mean	**0.19666**	**50.82900**	**0.50347**	**1.01993**	**1.00790**	**0.48841**	**0.51370**	**50.96928**	**0.50911**
%RSD	0.00990	0.03284	0.12094	0.05431	0.28339	0.29810	1.07770	0.09255	0.09163

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49827	1.00804	1.03886	19.93450	52.51573	0.52387	50.38271	0.98888	1.03361
#2	0.49789	1.01093	1.03981	19.97737	52.58463	0.52416	50.47241	0.99204	1.03295
Mean	**0.49808**	**1.00948**	**1.03933**	**19.95593**	**52.55018**	**0.52401**	**50.42756**	**0.99046**	**1.03328**
%RSD	0.05365	0.20253	0.06442	0.15192	0.09271	0.03885	0.12577	0.22561	0.04464

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.84009	1.02795	5.04274	0.99592	1.00138	4.98875	0.50113	0.97669	0.98388
#2	50.73265	1.03004	5.02273	0.99808	1.00089	5.02383	0.49653	0.98522	0.97928
Mean	**50.78637**	**1.02899**	**5.03274**	**0.99700**	**1.00113**	**5.00629**	**0.49883**	**0.98095**	**0.98158**
%RSD	0.14959	0.14315	0.28125	0.15306	0.03425	0.49554	0.65197	0.61439	0.33078

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.85906	1.03211	0.50449	0.31717	0.48217	0.51761	5.11128	0.49623	0.97101
#2	4.86725	1.03568	0.50619	0.31827	0.48404	0.52326	5.12183	0.49694	0.97816
Mean	**4.86315**	**1.03390**	**0.50534**	**0.31772**	**0.48310**	**0.52043**	**5.11656**	**0.49658**	**0.97459**
%RSD	0.11907	0.24410	0.23706	0.24673	0.27344	0.76856	0.14580	0.10136	0.51859

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.99970	0.99956	0.98148
#2	1.00364	0.99996	0.98126
Mean	**1.00167**	**0.99976**	**0.98137**
%RSD	0.27805	0.02795	0.01618

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:09
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 10/14/2011 13:48:29
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD2

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00021	0.02506	0.00236	-0.00728	0.00043	0.00016	-0.00103	0.04933	-0.00024
#2	-0.00008	0.02414	-0.00115	-0.00643	0.00043	0.00013	-0.00055	0.03333	-0.00013
Mean	**0.00006**	**0.02460**	**0.00060**	**-0.00686**	**0.00043**	**0.00014**	**-0.00079**	**0.04133**	**-0.00019**
%RSD	327.74339	2.65128	411.66320	8.78808	0.00000	15.56751	43.13056	27.36783	42.40786

ted: 10/17/2011 09:56:28 User: MIKE LUNDGREEN

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00003	0.00054	-0.00147	0.01050	-0.17213	-0.00204	-0.00409	0.00056	-0.00005
#2	-0.00010	0.00026	-0.00164	0.00925	-0.17238	-0.00205	-0.00615	0.00056	-0.00056
Mean	**-0.00004**	**0.00040**	**-0.00156**	**0.00987**	**-0.17225**	**-0.00205**	**-0.00512**	**0.00056**	**-0.00030**
%RSD	248.35108	50.73250	7.74318	8.93622	0.10139	0.54219	28.48374	0.00000	117.69492

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.03237	-0.00177	0.00460	0.00026	0.00029	-0.03854	-0.00343	-0.00587	-0.00024
#2	-0.03421	-0.00051	0.00460	-0.00176	-0.00003	-0.02982	-0.00205	-0.00400	0.00048
Mean	**-0.03329**	**-0.00114**	**0.00460**	**-0.00075**	**0.00013**	**-0.03418**	**-0.00274**	**-0.00493**	**0.00012**
%RSD	3.90490	77.86603	0.00000	189.72294	176.97606	18.03160	35.43374	26.77948	425.26875

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.02243	0.00214	-0.00342	-0.00757	-0.00133	0.00658	-0.01066	0.00040	-0.00039
#2	-0.02145	0.00214	-0.00342	-0.00406	-0.00119	-0.00105	-0.01438	0.00058	-0.00128
Mean	**-0.02194**	**0.00214**	**-0.00342**	**-0.00581**	**-0.00126**	**0.00276**	**-0.01252**	**0.00049**	**-0.00084**
%RSD	3.16205	0.00530	0.00000	42.69547	7.70842	195.26358	21.05572	26.58286	74.80195

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00075	0.00028	-0.00211
#2	0.00058	-0.00061	-0.00101
Mean	**0.00066**	**-0.00016**	**-0.00156**
%RSD	18.80596	384.51245	49.73765

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:10
SampleId1 : 1110002-22 SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:50:24
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE41

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00018	0.00354	0.00189	0.00429	0.10831	-0.00006	-0.00279	214.07212	-0.00017
#2	-0.00102	-0.00211	-0.00334	0.00323	0.10911	-0.00003	-0.00360	213.90255	0.00009
Mean	**-0.00060**	**0.00072**	**-0.00073**	**0.00376**	**0.10871**	**-0.00005**	**-0.00320**	**213.98733**	**-0.00004**
%RSD	99.29520	558.97154	508.75468	20.03278	0.52009	50.18159	17.79228	0.05603	503.13764

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00064	-0.00012	-0.00207	0.01143	0.12083	-0.00154	1.18805	0.04530	-0.00193
#2	-0.00108	-0.00017	-0.00172	0.01164	0.11318	-0.00156	1.19093	0.04530	-0.00250
Mean	**-0.00086**	**-0.00014**	**-0.00189**	**0.01154**	**0.11700**	**-0.00155**	**1.18949**	**0.04530**	**-0.00221**
%RSD	36.12534	25.58126	13.31611	1.27461	4.62838	0.85955	0.17171	0.00000	18.42280

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.76765	-0.00089	-0.00166	-0.00360	0.00206	0.22588	-0.00160	-0.00367	0.00191
#2	0.77156	0.00021	-0.00793	-0.00394	-0.00013	0.21716	-0.00287	-0.00225	0.00528
Mean	**0.76961**	**-0.00034**	**-0.00480**	**-0.00377**	**0.00096**	**0.22152**	**-0.00224**	**-0.00296**	**0.00359**
%RSD	0.35948	228.64187	92.40325	6.38082	160.48903	2.78297	39.99196	33.89962	66.24770

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.41045	0.00036	0.11205	-0.00274	-0.00182	-0.00604	-0.02060	-0.00008	-0.00128
#2	0.41101	0.00321	0.11243	-0.00331	-0.00215	-0.00732	-0.03303	-0.00023	0.00079
Mean	**0.41073**	**0.00178**	**0.11224**	**-0.00302**	**-0.00199**	**-0.00668**	**-0.02681**	**-0.00016**	**-0.00025**
%RSD	0.09646	112.95718	0.23932	13.37071	11.64361	13.53227	32.77706	67.18727	592.14875

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00010	0.00017	0.00005
#2	-0.00027	-0.00140	0.00277
Mean	**-0.00009**	**-0.00061**	**0.00141**
%RSD	303.98500	181.13857	136.37120

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:11
SampleId1 : 1110002-23 SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:52:14
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE42

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00022	-0.01394	0.00398	0.00401	0.09759	-0.00002	-0.00552	215.69055	0.00001
#2	-0.00047	-0.01027	0.00113	0.00436	0.09773	-0.00002	-0.00712	214.76981	-0.00025
Mean	**-0.00013**	**-0.01211**	**0.00255**	**0.00419**	**0.09766**	**-0.00002**	**-0.00632**	**215.23018**	**-0.00012**
%RSD	387.60841	21.40579	78.99184	5.99790	0.10525	12.64380	17.99166	0.30250	152.47035

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00097	-0.00052	-0.00156	-0.00593	0.13640	-0.00160	1.09933	0.01960	-0.00084
#2	-0.00129	-0.00051	-0.00215	-0.00583	0.12825	-0.00162	1.09851	0.01952	-0.00236
Mean	**-0.00113**	**-0.00052**	**-0.00185**	**-0.00588**	**0.13232**	**-0.00161**	**1.09892**	**0.01956**	**-0.00160**
%RSD	19.75873	1.13081	22.72228	1.25055	4.35671	0.96282	0.05310	0.29671	66.87150

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.61097	-0.00055	-0.00431	0.00361	0.00044	0.18519	-0.00102	-0.00268	0.00047
#2	0.60840	-0.00095	-0.00190	-0.00228	0.00035	0.20263	-0.00126	-0.01106	0.00441
Mean	**0.60968**	**-0.00075**	**-0.00311**	**0.00066**	**0.00039**	**0.19391**	**-0.00114**	**-0.00687**	**0.00244**
%RSD	0.29806	38.58414	54.83067	628.30652	17.37268	6.35815	15.03537	86.26293	113.98930

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.32392	0.00463	0.10934	-0.00682	-0.00261	-0.00514	-0.01686	0.00058	-0.00069
#2	0.32665	0.00107	0.10934	-0.00782	-0.00273	-0.00415	-0.03240	-0.00001	-0.00069
Mean	**0.32528**	**0.00285**	**0.10934**	**-0.00732**	**-0.00267**	**-0.00465**	**-0.02463**	**0.00028**	**-0.00069**
%RSD	0.59453	88.26501	0.00000	9.69968	3.18546	15.06416	44.60944	146.92527	0.00000

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00028	0.00150	-0.00058
#2	0.00001	-0.00053	-0.00074
Mean	**0.00014**	**0.00048**	**-0.00066**
%RSD	133.57103	296.35177	17.48884

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:11
SampleId1 : EX111012-11MB SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:54:04
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE43

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00008	-0.02030	0.00008	-0.00437	-0.00033	-0.00016	-0.00360	0.00501	-0.00033
#2	-0.00013	-0.01363	-0.00306	-0.00494	-0.00036	-0.00016	-0.00263	0.00082	-0.00024
Mean	**-0.00002**	**-0.01697**	**-0.00149**	**-0.00466**	**-0.00035**	**-0.00016**	**-0.00312**	**0.00291**	**-0.00028**
%RSD	587.45529	27.77123	149.15247	8.62931	7.41391	2.70381	21.84060	101.82183	22.66610

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00079	-0.00037	-0.00198	-0.01103	-0.20843	-0.00230	-0.04780	0.00007	-0.00106
#2	-0.00142	-0.00075	-0.00216	-0.01134	-0.20251	-0.00230	-0.05275	0.00007	-0.00185
Mean	**-0.00111**	**-0.00056**	**-0.00207**	**-0.01118**	**-0.20547**	**-0.00230**	**-0.05027**	**0.00007**	**-0.00146**
%RSD	40.30793	47.53533	6.04199	1.97245	2.03986	0.09646	6.96005	0.00000	38.49508

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.16136	-0.00105	-0.00552	-0.00134	-0.00061	0.03700	0.00012	-0.00401	0.00148
#2	0.16269	-0.00067	-0.01178	-0.00094	0.00143	0.03700	-0.00286	-0.00158	-0.00060
Mean	**0.16203**	**-0.00086**	**-0.00865**	**-0.00114**	**0.00041**	**0.03700**	**-0.00137**	**-0.00279**	**0.00044**
%RSD	0.58058	31.05401	51.21565	24.72576	352.41418	0.00000	154.34461	61.39273	335.90895

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01322	-0.00604	-0.00393	-0.00499	-0.00239	-0.00679	-0.02556	-0.00046	-0.00158
#2	0.01180	-0.00213	-0.00393	-0.00200	-0.00224	-0.00215	-0.02121	-0.00042	-0.00158
Mean	**0.01251**	**-0.00409**	**-0.00393**	**-0.00350**	**-0.00231**	**-0.00447**	**-0.02338**	**-0.00044**	**-0.00158**
%RSD	8.03923	67.68994	0.00000	60.63314	4.73560	73.28562	13.15716	5.96859	0.00000

	Zr	**Pb**	**Se**
	ppm	calc	calc

#1	-0.00023	-0.00085	-0.00035	**UNDGREEN**
#2	-0.00057	0.00064	-0.00093	
Mean	**-0.00040**	**-0.00010**	**-0.00064**	
%RSD	58.97729	1012.76095	63.97778	

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:11
SampleId1 : EX111012-11RVS SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:55:53
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE44

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00912	0.97897	0.04810	0.04179	0.05076	0.00981	0.09867	4.91565	0.01983
#2	0.00892	0.97149	0.04610	0.04165	0.05025	0.00975	0.09723	4.91089	0.01967
Mean	**0.00902**	**0.97523**	**0.04710**	**0.04172**	**0.05051**	**0.00978**	**0.09795**	**4.91327**	**0.01975**
%RSD	1.55019	0.54206	2.99862	0.24075	0.71191	0.42933	1.04243	0.06842	0.57657

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01913	0.05157	0.05053	0.98160	8.31592	0.03877	4.83462	0.04982	0.10385
#2	0.01862	0.05175	0.05027	0.97940	8.26911	0.03853	4.82098	0.04990	0.10399
Mean	**0.01887**	**0.05166**	**0.05040**	**0.98050**	**8.29251**	**0.03865**	**4.82780**	**0.04986**	**0.10392**
%RSD	1.89277	0.24047	0.36052	0.15876	0.39909	0.45295	0.19982	0.11647	0.09821

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.55567	0.05144	0.92338	0.04787	0.04725	0.89747	0.09746	0.04751	0.04206
#2	8.50449	0.05254	0.93040	0.04857	0.05125	0.89165	0.09895	0.04068	0.04378
Mean	**8.53008**	**0.05199**	**0.92689**	**0.04822**	**0.04925**	**0.89456**	**0.09820**	**0.04410**	**0.04292**
%RSD	0.42425	1.49895	0.53574	1.02938	5.73661	0.45982	1.07095	10.95157	2.83136

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.24490	0.09959	0.04714	-0.00586	0.04668	0.10701	0.52194	0.05160	0.04632
#2	0.24382	0.10137	0.04685	-0.00629	0.04640	0.09611	0.51759	0.05093	0.04750
Mean	**0.24436**	**0.10048**	**0.04700**	**-0.00608**	**0.04654**	**0.10156**	**0.51976**	**0.05126**	**0.04691**
%RSD	0.31238	1.25264	0.43555	5.00341	0.43143	7.59082	0.59171	0.91842	1.78297

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.05133	0.04746	0.04388
#2	0.05139	0.05036	0.04275
Mean	**0.05136**	**0.04891**	**0.04331**
%RSD	0.08755	4.19110	1.84137

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:11
SampleId1 : EX111012-11LCS SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:57:43

Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE45

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00034	-0.01279	-0.00191	-0.00458	-0.00026	-0.00008	-0.00279	38.98843	-0.00035
#2	0.00036	-0.01183	-0.00249	-0.00494	-0.00026	-0.00011	0.00137	38.99812	0.00019
Mean	**0.00001**	**-0.01231**	**-0.00220**	**-0.00476**	**-0.00026**	**-0.00010**	**-0.00071**	**38.99328**	**-0.00008**
%RSD	3995.10171	5.50519	18.33063	5.27267	0.00000	20.28476	415.43053	0.01759	486.60434

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00149	0.00055	-0.00181	0.01060	39.49674	0.48348	38.62354	0.00179	-0.00121
#2	-0.00117	0.00046	-0.00199	0.01102	39.60353	0.48485	38.69168	0.00187	-0.00128
Mean	**-0.00133**	**0.00050**	**-0.00190**	**0.01081**	**39.55014**	**0.48417**	**38.65761**	**0.00183**	**-0.00124**
%RSD	16.78938	12.54008	6.59680	2.72087	0.19093	0.19912	0.12464	3.16468	4.10974

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	37.35227	-0.00099	9.39306	-0.00106	0.00378	0.03991	-0.00332	-0.00499	-0.00138
#2	37.48229	-0.00177	9.45740	0.00118	0.00114	0.04862	-0.00229	-0.00763	-0.00153
Mean	**37.41728**	**-0.00138**	**9.42523**	**0.00006**	**0.00246**	**0.04427**	**-0.00281**	**-0.00631**	**-0.00146**
%RSD	0.24571	40.33759	0.48273	2532.08506	76.03260	13.92366	25.98024	29.54303	6.95444

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00180	-0.00142	-0.00364	-0.03493	-0.00174	-0.00768	-0.01998	0.00029	-0.00099
#2	0.00332	-0.00213	-0.00365	-0.03825	-0.00181	-0.00868	-0.01501	0.00014	-0.00128
Mean	**0.00256**	**-0.00178**	**-0.00364**	**-0.03659**	**-0.00177**	**-0.00818**	**-0.01749**	**0.00021**	**-0.00113**
%RSD	41.78577	28.32564	0.19347	6.41069	3.08524	8.60606	20.09707	48.84413	18.43380

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00197	0.00217	-0.00259
#2	0.00201	0.00115	-0.00356
Mean	**0.00199**	**0.00166**	**-0.00307**
%RSD	1.55803	43.28487	22.40495

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:11
SampleId1 : 1109326-4 SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 13:59:32
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE46

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00051	-0.00540	-0.00153	0.00607	0.00102	-0.00016	-0.00166	8.20283	-0.00014
#2	-0.00042	-0.01214	0.00132	0.00493	0.00087	-0.00014	-0.00712	8.16169	-0.00034

Mean	**0.00004**	**-0.00877**	**-0.00011**	**0.00550**	**0.00094**	**-0.00015**	**-0.00439**	**8.18226**	**-0.00024**
%RSD	1548.54107	54.35910	1853.29261	14.60853	10.89436	8.83197	87.85913	0.35551	56.73421

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00060	0.00031	-0.00018	0.00613	0.08699	-0.00198	1.11171	0.00040	0.00659
#2	-0.00136	-0.00023	-0.00051	0.00467	0.06525	-0.00203	1.10387	0.00040	0.00522
Mean	**-0.00098**	**0.00004**	**-0.00034**	**0.00540**	**0.07612**	**-0.00201**	**1.10779**	**0.00040**	**0.00590**
%RSD	54.62015	954.88505	68.14838	19.05340	20.19505	1.99003	0.50041	0.00000	16.42558

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.58327	-0.00133	0.10924	0.00186	-0.00290	5.09693	-0.00016	-0.00564	0.00105
#2	0.58743	-0.00118	0.10297	-0.00219	0.00459	5.13202	-0.00017	-0.00060	0.00062
Mean	**0.58535**	**-0.00125**	**0.10610**	**-0.00016**	**0.00085**	**5.11447**	**-0.00016**	**-0.00312**	**0.00083**
%RSD	0.50281	8.87783	4.17850	1734.93944	624.48553	0.48513	2.62017	114.41723	36.41388

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.59171	-0.00320	0.08858	-0.00861	-0.00216	-0.00486	-0.00319	0.00018	-0.00010
#2	0.58902	0.00000	0.08945	-0.00852	-0.00252	-0.00124	-0.02557	-0.00056	0.00049
Mean	**0.59037**	**-0.00160**	**0.08901**	**-0.00857**	**-0.00234**	**-0.00305**	**-0.01438**	**-0.00019**	**0.00020**
%RSD	0.32221	141.74836	0.69055	0.72463	10.92776	83.86984	110.00269	269.95069	212.95463

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00038	-0.00131	-0.00118
#2	-0.00021	0.00234	0.00021
Mean	**0.00008**	**0.00051**	**-0.00048**
%RSD	494.09674	505.19163	204.50062

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:12
SampleId1 : 1109326-4D **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 14:01:22
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE47

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00047	-0.01968	-0.00115	0.00607	0.00094	-0.00017	-0.00520	8.12427	-0.00011
#2	0.00002	-0.01901	0.00274	0.00515	0.00087	-0.00021	-0.00583	8.10437	0.00005
Mean	**-0.00022**	**-0.01934**	**0.00079**	**0.00561**	**0.00091**	**-0.00019**	**-0.00552**	**8.11432**	**-0.00003**
%RSD	156.63469	2.45325	346.97539	11.64391	5.66539	16.15331	8.17172	0.17344	391.25236

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00079	-0.00103	-0.00050	-0.00728	0.05314	-0.00207	1.10181	0.00032	0.00586
#2	-0.00092	-0.00026	-0.00042	-0.00770	0.05808	-0.00206	1.09314	0.00048	0.00507
Mean	**-0.00085**	**-0.00065**	**-0.00046**	**-0.00749**	**0.05561**	**-0.00207**	**1.09748**	**0.00040**	**0.00547**

%RSD	10.54130	84.73151	12.16263	3.92594	6.28185	0.32186	0.55828	29.19551	10.26232

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.58876	-0.00042	0.10827	-0.00192	-0.00024	5.14956	-0.00118	-0.00786	-0.00060
#2	0.58275	-0.00152	0.11020	-0.00078	0.00184	5.09108	-0.00200	-0.00610	0.00155
Mean	**0.58576**	**-0.00097**	**0.10924**	**-0.00135**	**0.00080**	**5.12032**	**-0.00159**	**-0.00698**	**0.00047**
%RSD	0.72578	80.28978	1.24881	59.48987	182.85510	0.80762	36.26034	17.91935	320.58854

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.58849	-0.00462	0.08957	-0.01537	-0.00255	-0.00325	-0.03177	-0.00057	-0.00246
#2	0.58652	-0.00355	0.08896	-0.00800	-0.00211	-0.00570	-0.02245	-0.00045	-0.00099
Mean	**0.58750**	**-0.00409**	**0.08926**	**-0.01168**	**-0.00233**	**-0.00447**	**-0.02711**	**-0.00051**	**-0.00173**
%RSD	0.23772	18.45295	0.48282	44.60443	13.34307	38.68932	24.31326	15.35136	60.58207

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00026	-0.00080	-0.00302
#2	-0.00014	0.00097	-0.00100
Mean	**0.00006**	**0.00009**	**-0.00201**
%RSD	450.83447	1463.64832	71.19347

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:12
SampleId1 : 1109326-4L 5X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 14:03:12
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE48

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00027	-0.01666	0.00037	-0.00515	-0.00018	-0.00021	-0.00344	1.63932	-0.00061
#2	0.00032	-0.01953	0.00246	-0.00600	0.00000	-0.00022	-0.00247	1.65088	-0.00047
Mean	**0.00002**	**-0.01809**	**0.00141**	**-0.00558**	**-0.00009**	**-0.00022**	**-0.00295**	**1.64510**	**-0.00054**
%RSD	1829.09831	11.21498	104.72006	10.80183	139.32868	2.56515	23.09556	0.49713	18.68542

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00136	-0.00034	-0.00172	-0.00780	-0.09235	-0.00218	0.18479	-0.00001	-0.00020
#2	-0.00041	-0.00006	-0.00191	-0.00697	-0.08519	-0.00216	0.19221	-0.00001	-0.00063
Mean	**-0.00089**	**-0.00020**	**-0.00181**	**-0.00739**	**-0.08877**	**-0.00217**	**0.18850**	**-0.00001**	**-0.00041**
%RSD	75.47199	97.98244	7.20095	7.96241	5.70593	0.81796	2.78471	0.00000	74.35953

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.08883	-0.00158	0.01714	0.00107	-0.00138	1.03418	-0.00136	-0.00313	0.00047
#2	0.09073	-0.00092	0.01280	-0.00173	-0.00011	1.04873	-0.00022	-0.00345	-0.00117
Mean	**0.08978**	**-0.00125**	**0.01497**	**-0.00033**	**-0.00075**	**1.04146**	**-0.00079**	**-0.00329**	**-0.00035**
%RSD	1.48999	37.28689	20.49533	592.22999	120.28763	0.98758	102.22012	6.85951	332.93434

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	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09907	-0.00178	0.01461	-0.00564	-0.00193	-0.00207	-0.02680	-0.00027	0.00020
#2	0.09980	0.00107	0.01459	-0.00672	-0.00199	-0.00487	-0.01251	-0.00012	-0.00010
Mean	**0.09944**	**-0.00035**	**0.01460**	**-0.00618**	**-0.00196**	**-0.00347**	**-0.01965**	**-0.00020**	**0.00005**
%RSD	0.52437	570.57747	0.09661	12.38783	2.17791	57.21870	51.42208	53.34568	430.92326

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00042	-0.00057	-0.00073
#2	-0.00020	-0.00065	-0.00193
Mean	**-0.00031**	**-0.00061**	**-0.00133**
%RSD	50.93444	10.06462	64.17137

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:12
SampleId1 : 1109326-4MS SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 14:05:04
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE49

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00018	-0.02108	-0.00382	0.00571	0.00098	-0.00020	-0.00007	46.64249	0.00008
#2	-0.00033	-0.02079	-0.00268	0.00479	0.00098	-0.00018	-0.00648	46.44994	-0.00007
Mean	**-0.00026**	**-0.02093**	**-0.00325**	**0.00525**	**0.00098**	**-0.00019**	**-0.00327**	**46.54621**	**0.00001**
%RSD	40.38259	0.97857	24.85039	12.43122	0.00000	6.44341	138.58413	0.29251	1602.20093

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00098	0.00058	-0.00034	-0.00271	39.07555	0.47181	39.11276	0.00179	0.00608
#2	-0.00123	-0.00057	-0.00068	-0.00260	39.50903	0.47668	39.24193	0.00179	0.00623
Mean	**-0.00111**	**0.00000**	**-0.00051**	**-0.00266**	**39.29229**	**0.47424**	**39.17734**	**0.00179**	**0.00615**
%RSD	16.13474	36623.78021	47.91667	2.76835	0.78009	0.72694	0.23312	0.00000	1.65806

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	37.34590	-0.00001	9.39760	-0.00066	0.00148	5.09108	-0.00303	-0.00962	-0.00096
#2	37.62149	0.00015	9.42132	-0.00258	-0.00082	5.13786	-0.00222	-0.00676	0.00098
Mean	**37.48370**	**0.00007**	**9.40946**	**-0.00162**	**0.00033**	**5.11447**	**-0.00262**	**-0.00819**	**0.00001**
%RSD	0.51989	162.49677	0.17823	83.69412	498.59863	0.64683	21.96026	24.68011	14738.41433

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.56912	0.00036	0.08673	-0.03826	-0.00182	-0.00933	-0.02308	-0.00001	-0.00158
#2	0.57446	-0.00320	0.08727	-0.04125	-0.00174	-0.00788	-0.02743	-0.00027	-0.00128
Mean	**0.57179**	**-0.00142**	**0.08700**	**-0.03976**	**-0.00178**	**-0.00860**	**-0.02525**	**-0.00014**	**-0.00143**
%RSD	0.65982	177.13469	0.43851	5.31233	3.07036	11.92745	12.18228	130.83008	14.62192

	Zr	Pb	SeUNDGREEN
	ppm	calc	calc
#1	0.00187	0.00077	-0.00384
#2	0.00176	-0.00141	-0.00160
Mean	**0.00182**	**-0.00032**	**-0.00272**
%RSD	4.27272	477.10141	58.25500

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:12
SampleId1 : 1109326-4MSD SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 14:07:00
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE50

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00072	-0.02546	-0.00239	0.00550	0.00105	-0.00025	-0.00599	46.74802	0.00009
#2	0.00056	-0.02937	0.00303	0.00543	0.00105	-0.00025	0.00106	46.56328	0.00016
Mean	**0.00064**	**-0.02741**	**0.00032**	**0.00546**	**0.00105**	**-0.00025**	**-0.00247**	**46.65565**	**0.00012**
%RSD	17.27179	10.07710	1201.08003	0.91897	0.00000	0.26937	202.13548	0.27999	39.28364

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00035	0.00084	-0.00017	-0.00552	39.67294	0.47752	39.37362	0.00187	0.00630
#2	-0.00073	0.00017	-0.00034	-0.00593	39.80613	0.47997	39.48007	0.00196	0.00651
Mean	**-0.00054**	**0.00050**	**-0.00025**	**-0.00572**	**39.73954**	**0.47874**	**39.42685**	**0.00192**	**0.00641**
%RSD	49.58704	93.93874	49.58236	5.13852	0.23700	0.36299	0.19092	3.02912	2.38906

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	37.71567	-0.00042	9.24652	-0.00142	-0.00105	5.07646	-0.00166	-0.01006	0.00062
#2	37.80019	-0.00039	9.31511	-0.00052	-0.00018	5.07938	-0.00199	-0.00664	0.00098
Mean	**37.75793**	**-0.00040**	**9.28082**	**-0.00097**	**-0.00062**	**5.07792**	**-0.00183**	**-0.00835**	**0.00080**
%RSD	0.15828	5.51383	0.52258	65.73076	100.18157	0.04072	12.97246	28.95145	31.78200

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.57847	-0.00711	0.08691	-0.03144	-0.00150	-0.00152	-0.01872	0.00084	-0.00099
#2	0.57987	-0.00462	0.08712	-0.03761	-0.00173	-0.00542	-0.01251	0.00028	-0.00010
Mean	**0.57917**	**-0.00587**	**0.08701**	**-0.03452**	**-0.00162**	**-0.00347**	**-0.01562**	**0.00056**	**-0.00054**
%RSD	0.17158	30.01481	0.17050	12.63517	9.79107	79.60175	28.14156	69.78648	115.54596

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00148	-0.00118	-0.00294
#2	0.00183	-0.00029	-0.00156
Mean	**0.00166**	**-0.00073**	**-0.00225**
%RSD	14.77807	85.02041	43.29898

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:12

SampleId1 : CCV **SampleId2 :** **[CV]**
Analysis commenced : 10/14/2011 14:08:50
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD6

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.19844	50.10686	0.50667	1.00843	0.99116	0.48522	0.51678	50.57403	0.50757
#2	0.19901	50.93767	0.50619	1.02317	1.00790	0.48838	0.52291	50.92494	0.51256
Mean	**0.19872**	**50.52226**	**0.50643**	**1.01580**	**0.99953**	**0.48680**	**0.51985**	**50.74949**	**0.51007**
%RSD	0.20572	1.16281	0.06680	1.02612	1.18449	0.45827	0.83425	0.48894	0.69128

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49661	1.00541	1.02941	19.78362	51.90749	0.51522	50.07135	0.98298	1.02208
#2	0.49947	1.01181	1.04161	19.96704	52.68980	0.52344	50.51768	0.99146	1.02962
Mean	**0.49804**	**1.00861**	**1.03551**	**19.87533**	**52.29864**	**0.51933**	**50.29452**	**0.98722**	**1.02585**
%RSD	0.40624	0.44896	0.83322	0.65255	1.05773	1.11872	0.62750	0.60755	0.51950

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.10439	1.02792	4.91798	0.99272	0.98732	4.98582	0.50049	0.97327	0.96228
#2	50.75434	1.02956	4.99184	1.00481	0.98247	5.03260	0.50300	0.98291	0.97634
Mean	**50.42936**	**1.02874**	**4.95491**	**0.99877**	**0.98489**	**5.00921**	**0.50174**	**0.97809**	**0.96931**
%RSD	0.91134	0.11281	1.05409	0.85583	0.34838	0.66034	0.35342	0.69737	1.02512

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.79972	1.02248	0.49843	0.30947	0.47918	0.51136	5.09334	0.49431	0.96744
#2	4.86819	1.03890	0.50577	0.31877	0.48363	0.51891	5.14487	0.49886	0.97488
Mean	**4.83395**	**1.03069**	**0.50210**	**0.31412**	**0.48141**	**0.51513**	**5.11910**	**0.49659**	**0.97116**
%RSD	1.00151	1.12667	1.03381	2.09314	0.65377	1.03705	0.71174	0.64828	0.54209

	Zr	Pb	Se
	ppm	calc	calc
#1	0.99590	0.98912	0.96594
#2	1.00596	0.98991	0.97853
Mean	**1.00093**	**0.98951**	**0.97223**
%RSD	0.71035	0.05637	0.91532

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:12
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 10/14/2011 14:10:47
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD2

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	-0.00032	0.00697	-0.00201	-0.00743	0.00000	0.00007	-0.00584	-0.02488	0.00024
#2	-0.00004	0.00258	0.00018	-0.00721	0.00011	0.00004	-0.00135	-0.02200	-0.00012
Mean	**-0.00018**	**0.00478**	**-0.00092**	**-0.00732**	**0.00005**	**0.00006**	**-0.00359**	**-0.02344**	**0.00006**
%RSD	113.49564	65.09171	168.62518	2.05844	145.05242	35.86884	88.40306	8.70137	426.33256

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00023	-0.00034	-0.00172	0.00166	-0.16966	-0.00209	-0.02306	0.00032	0.00017
#2	-0.00060	0.00023	-0.00147	0.00239	-0.16398	-0.00208	-0.01935	0.00032	-0.00185
Mean	**-0.00041**	**-0.00006**	**-0.00160**	**0.00202**	**-0.16682**	**-0.00209**	**-0.02120**	**0.00032**	**-0.00084**
%RSD	64.52671	690.28526	10.91508	25.43867	2.40790	0.42496	12.37818	0.00000	169.14170

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.04258	-0.00190	-0.00504	-0.00144	-0.00053	-0.02982	-0.00170	-0.00544	0.00126
#2	-0.04105	-0.00080	-0.00937	-0.00316	-0.00183	-0.03854	-0.00172	-0.00400	0.00019
Mean	**-0.04182**	**-0.00135**	**-0.00721**	**-0.00230**	**-0.00118**	**-0.03418**	**-0.00171**	**-0.00472**	**0.00073**
%RSD	2.59026	57.79134	42.57314	52.93451	77.72675	18.03160	0.95257	21.66038	104.59621

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.02425	-0.00106	-0.00367	-0.00700	-0.00150	-0.00188	-0.02929	-0.00016	-0.00128
#2	-0.02407	-0.00605	-0.00363	-0.00372	-0.00156	0.00331	-0.01127	0.00006	0.00020
Mean	**-0.02416**	**-0.00356**	**-0.00365**	**-0.00536**	**-0.00153**	**0.00071**	**-0.02028**	**-0.00005**	**-0.00054**
%RSD	0.53249	99.06418	0.77282	43.38375	2.77653	514.71347	62.83019	337.33073	192.57708

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00037	-0.00083	-0.00097
#2	0.00029	-0.00228	-0.00120
Mean	**0.00033**	**-0.00156**	**-0.00109**
%RSD	16.80688	65.51257	15.30601

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:13
SampleId1 : 1109326-5 SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 14:12:42
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE51

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00170	-0.01042	0.00265	0.00152	0.00054	-0.00018	-0.00150	4.80789	0.00011
#2	-0.00008	-0.01608	0.00331	-0.00068	0.00040	-0.00015	-0.00215	4.80683	0.00008
Mean	**0.00081**	**-0.01325**	**0.00298**	**0.00042**	**0.00047**	**-0.00017**	**-0.00183**	**4.80736**	**0.00009**
%RSD	154.95911	30.19779	15.78633	368.62523	21.82022	11.92996	25.13477	0.01554	16.41890

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00016	0.00053	-0.00105	-0.00593	0.03042	-0.00209	0.40709	0.00015	0.00485

#2	-0.00104	-0.00049	-0.00155	-0.00707	0.02103	-0.00210	0.40008	-0.00009	0.00370
Mean	**-0.00060**	**0.00002**	**-0.00130**	**-0.00650**	**0.02572**	**-0.00210**	**0.40359**	**0.00003**	**0.00428**
%RSD	103.79633	3451.85010	27.10346	12.43633	25.80393	0.42305	1.22851	616.74229	19.08074

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.55794	0.00040	0.08344	0.00512	-0.00207	3.51077	0.00120	-0.00541	-0.00432
#2	0.56189	-0.00111	0.08103	-0.00133	0.00177	3.54579	0.00143	-0.00114	-0.00046
Mean	**0.55991**	**-0.00036**	**0.08223**	**0.00189**	**-0.00015**	**3.52828**	**0.00131**	**-0.00328**	**-0.00239**
%RSD	0.49956	299.72135	2.07343	240.52182	1813.91322	0.70182	12.39563	92.20423	114.37798

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.35521	0.00321	0.04505	-0.00842	-0.00217	-0.00304	0.00738	0.00077	-0.00187
#2	0.35209	-0.00284	0.04539	-0.00216	-0.00213	-0.00315	-0.01997	0.00006	-0.00158
Mean	**0.35365**	**0.00018**	**0.04522**	**-0.00529**	**-0.00215**	**-0.00310**	**-0.00629**	**0.00041**	**-0.00173**
%RSD	0.62302	2360.65304	0.54630	83.60155	1.13241	2.43776	307.21671	120.02800	12.11640

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00088	0.00033	-0.00469
#2	-0.00015	0.00074	-0.00068
Mean	**0.00036**	**0.00053**	**-0.00269**
%RSD	201.56101	54.63055	105.37196

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:13
SampleId1 : 1109326-6 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 14:14:32
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE52

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00047	-0.01470	-0.00353	0.01750	0.00087	-0.00017	-0.00199	9.81152	-0.00017
#2	0.00022	-0.01468	-0.00144	0.01793	0.00080	-0.00020	-0.00327	9.82136	0.00010
Mean	**0.00034**	**-0.01469**	**-0.00249**	**0.01772**	**0.00083**	**-0.00018**	**-0.00263**	**9.81644**	**-0.00003**
%RSD	52.06981	0.09052	59.50003	1.70086	6.15884	8.80592	34.47512	0.07090	557.46776

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00092	0.00014	-0.00156	-0.01071	0.00226	-0.00200	0.72513	0.00064	0.00969
#2	-0.00060	-0.00015	-0.00182	-0.01061	0.00423	-0.00200	0.72430	0.00064	0.00954
Mean	**-0.00076**	**0.00000**	**-0.00169**	**-0.01066**	**0.00324**	**-0.00200**	**0.72472**	**0.00064**	**0.00962**
%RSD	29.42486	5020.11011	10.92614	0.68955	43.07410	0.22181	0.08050	0.00000	1.06099

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.64536	-0.00045	0.01617	0.00180	0.00107	6.68624	0.00101	-0.00213	0.00011
#2	0.64412	-0.00070	0.00485	0.00008	0.00114	6.65402	-0.00288	-0.01214	0.00126

Mean	**0.64474**	**-0.00058**	**0.01051**	**0.00094**	**0.00111**	**6.67013**	**-0.00093**	**-0.00713**	**0.00069**
%RSD	0.13534	30.87085	76.21945	128.88631	4.62949	0.34165	294.75860	99.28907	117.79852

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.54748	-0.00106	0.09804	-0.00479	-0.00210	-0.00669	-0.01375	0.00047	-0.00128
#2	0.54346	-0.00355	0.09818	-0.00722	-0.00233	-0.00778	-0.01313	0.00039	-0.00128
Mean	**0.54547**	**-0.00231**	**0.09811**	**-0.00600**	**-0.00221**	**-0.00724**	**-0.01344**	**0.00043**	**-0.00128**
%RSD	0.52173	76.25155	0.10084	28.55987	7.42092	10.64636	3.26986	12.10991	0.00000

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00007	0.00131	-0.00063
#2	0.00026	0.00079	-0.00320
Mean	**0.00010**	**0.00105**	**-0.00192**
%RSD	244.35529	35.25261	94.85841

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:13
SampleId1 : 1110041-1 5X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 14:16:23
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE53

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00053	0.00226	0.00018	-0.00345	0.04695	0.00007	-0.00391	1.04420	-0.00054
#2	-0.00058	-0.00179	-0.00125	-0.00395	0.04691	0.00003	-0.00086	1.04525	-0.00043
Mean	**-0.00056**	**0.00024**	**-0.00054**	**-0.00370**	**0.04693**	**0.00005**	**-0.00238**	**1.04473**	**-0.00048**
%RSD	6.24258	1209.02877	187.90218	9.50891	0.05472	57.99620	90.35376	0.07110	16.75014

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00041	-0.00095	0.00140	-0.00718	0.66004	0.00183	0.01571	0.00220	-0.00020
#2	-0.00066	-0.00043	0.00157	-0.00635	0.66053	0.00183	0.02437	0.00229	-0.00027
Mean	**-0.00054**	**-0.00069**	**0.00149**	**-0.00676**	**0.66028**	**0.00183**	**0.02004**	**0.00224**	**-0.00023**
%RSD	33.24696	52.99611	8.21273	8.69695	0.05294	0.00000	30.56198	2.58601	22.05866

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	47.08953	-0.00221	-0.00624	-0.00160	-0.00138	-0.01529	-0.00295	-0.00874	0.00090
#2	46.76849	-0.00146	-0.00937	-0.00288	-0.00087	-0.00367	-0.00262	-0.00477	-0.00017
Mean	**46.92901**	**-0.00184**	**-0.00781**	**-0.00224**	**-0.00113**	**-0.00948**	**-0.00279**	**-0.00676**	**0.00037**
%RSD	0.48373	29.09687	28.37444	40.42241	32.10123	86.64943	8.57061	41.48849	207.24515

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.87289	-0.00071	0.04646	-0.00953	-0.00181	0.00130	-0.02245	-0.00012	-0.00010
#2	0.87495	0.00107	0.04635	-0.00164	-0.00157	-0.00097	-0.02121	-0.00038	0.00108
Mean	**0.87392**	**0.00018**	**0.04641**	**-0.00558**	**-0.00169**	**0.00016**	**-0.02183**	**-0.00025**	**0.00049**

%RSD	0.16706	696.31570	0.16730	99.81390	9.72731	980.91038	4.02419	72.69604	169.96817

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00130	-0.00145	-0.00231
#2	0.00084	-0.00154	-0.00170
Mean	**0.00107**	**-0.00150**	**-0.00201**
%RSD	30.13775	4.01952	21.28125

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:13
SampleId1 : 1110041-3 5X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 14:18:13
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE54

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00053	0.00626	-0.00096	-0.00366	0.05258	0.00006	0.00060	1.15399	-0.00024
#2	0.00002	0.01041	-0.00172	-0.00444	0.05272	0.00004	0.00076	1.14821	-0.00021
Mean	**-0.00025**	**0.00834**	**-0.00134**	**-0.00405**	**0.05265**	**0.00005**	**0.00068**	**1.15110**	**-0.00022**
%RSD	155.08648	35.15787	39.99225	13.63305	0.19513	36.63243	16.60572	0.35498	7.13139

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00040	-0.00043	0.00939	0.01674	0.70255	0.00202	0.02602	0.00393	-0.00020
#2	-0.00053	-0.00046	0.00912	0.01778	0.70305	0.00201	0.02684	0.00393	-0.00121
Mean	**-0.00047**	**-0.00045**	**0.00926**	**0.01726**	**0.70280**	**0.00202**	**0.02643**	**0.00393**	**-0.00070**
%RSD	19.06750	4.73906	2.00013	4.26107	0.04974	0.66042	2.20671	0.00000	101.99797

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	51.11193	-0.00146	-0.00672	0.00124	0.00078	-0.02110	-0.00307	-0.00489	-0.00153
#2	51.05725	-0.00111	-0.00263	-0.00244	-0.00138	-0.01529	-0.00228	-0.00126	-0.00038
Mean	**51.08459**	**-0.00129**	**-0.00467**	**-0.00060**	**-0.00030**	**-0.01820**	**-0.00268**	**-0.00307**	**-0.00095**
%RSD	0.07568	19.05280	61.97481	433.04100	510.08644	22.57585	20.95542	83.62056	84.98758

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.89672	0.00107	0.05128	-0.00235	-0.00142	0.00321	-0.02557	-0.00038	0.01291
#2	0.89149	0.00498	0.05129	-0.00363	-0.00139	0.00040	-0.02371	-0.00056	0.01232
Mean	**0.89410**	**0.00303**	**0.05129**	**-0.00299**	**-0.00140**	**0.00181**	**-0.02464**	**-0.00047**	**0.01261**
%RSD	0.41356	91.43503	0.01376	30.24740	1.29926	110.09375	5.34765	27.85534	3.31492

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00006	0.00093	-0.00265
#2	0.00005	-0.00173	-0.00067
Mean	**0.00006**	**-0.00040**	**-0.00166**
%RSD	1.55048	471.53448	84.14454

ted: 10/17/2011 09:56:28 User: MIKE LUNDGREEN
Method : Paragon File : 111014A Printed : 10/17/2011 09:56:13
SampleId1 : 1110041-3D 5X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 14:20:03
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE55

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00003	0.00871	0.00341	-0.00309	0.05218	0.00000	0.00076	1.13403	-0.00056
#2	-0.00037	0.01310	0.00151	-0.00380	0.05258	0.00004	0.00012	1.13245	-0.00027
Mean	**-0.00017**	**0.01091**	**0.00246**	**-0.00345**	**0.05238**	**0.00002**	**0.00044**	**1.13324**	**-0.00042**
%RSD	162.79646	28.42629	54.69812	14.56338	0.53939	135.04081	102.81316	0.09834	49.61802

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00104	-0.00037	0.00930	0.05439	0.67783	0.00191	0.02560	0.00401	-0.00164
#2	-0.00053	-0.00075	0.00965	0.05470	0.67067	0.00196	0.02725	0.00401	-0.00214
Mean	**-0.00078**	**-0.00056**	**0.00947**	**0.05454**	**0.67425**	**0.00193**	**0.02643**	**0.00401**	**-0.00189**
%RSD	45.63187	47.14821	2.61590	0.40457	0.75175	1.72209	4.41341	0.00000	18.88807

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.47927	-0.00247	-0.01203	-0.00210	0.00067	-0.01239	-0.00011	-0.00225	0.00156
#2	50.98722	-0.00111	-0.00504	0.00073	0.00034	-0.00948	-0.00057	-0.00049	0.00149
Mean	**50.73325**	**-0.00179**	**-0.00853**	**-0.00069**	**0.00051**	**-0.01094**	**-0.00034**	**-0.00137**	**0.00152**
%RSD	0.70796	53.50804	57.93215	292.82055	45.42134	18.78489	95.80237	90.48223	3.31506

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.87909	0.00214	0.05084	-0.00303	-0.00134	-0.00349	-0.02560	0.00019	0.01291
#2	0.88584	-0.00284	0.05126	-0.00440	-0.00143	-0.00140	-0.02995	-0.00048	0.01232
Mean	**0.88246**	**-0.00035**	**0.05105**	**-0.00371**	**-0.00138**	**-0.00245**	**-0.02778**	**-0.00015**	**0.01261**
%RSD	0.54086	996.60678	0.58072	26.22839	4.39823	60.28476	11.07527	319.51950	3.31492

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00009	-0.00025	0.00029
#2	-0.00013	0.00047	0.00083
Mean	**-0.00011**	**0.00011**	**0.00056**
%RSD	28.51927	468.12433	67.92761

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:13
SampleId1 : 1110041-3L 25X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 14:21:53
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE56

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00057	0.00052	-0.00134	-0.00728	0.01082	0.00005	-0.00423	0.21220	-0.00027
#2	-0.00043	0.00128	0.00084	-0.00629	0.01093	0.00005	-0.00375	0.21298	-0.00021
Mean	**-0.00050**	**0.00090**	**-0.00025**	**-0.00679**	**0.01087**	**0.00005**	**-0.00399**	**0.21259**	**-0.00024**
%RSD	19.83022	60.03377	614.94899	10.36006	0.70842	7.61560	8.59403	0.26174	16.09993

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00109	-0.00089	0.00010	-0.00240	0.32961	-0.00048	-0.03625	0.00064	-0.00185
#2	-0.00059	-0.00104	0.00026	-0.00240	0.33085	-0.00050	-0.03295	0.00064	-0.00185
Mean	**-0.00084**	**-0.00097**	**0.00018**	**-0.00240**	**0.33023**	**-0.00049**	**-0.03460**	**0.00064**	**-0.00185**
%RSD	42.43643	11.05749	63.10519	0.00000	0.26455	2.69205	6.74132	0.00000	0.00000

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	11.05690	-0.00278	-0.00431	-0.00256	0.00093	-0.02691	-0.00457	-0.00720	-0.00318
#2	11.07115	-0.00228	-0.00600	0.00020	-0.00201	-0.02691	-0.00148	0.00107	-0.00053
Mean	**11.06402**	**-0.00253**	**-0.00516**	**-0.00118**	**-0.00054**	**-0.02691**	**-0.00303**	**-0.00307**	**-0.00185**
%RSD	0.09104	14.08501	23.13358	165.26918	383.05764	0.00000	72.31254	190.58124	101.12160

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.15948	-0.00391	0.00973	-0.00442	-0.00166	0.00230	-0.02680	-0.00075	0.00227
#2	0.16185	-0.00427	0.00976	-0.00484	-0.00155	0.00203	-0.01375	0.00006	0.00167
Mean	**0.16067**	**-0.00409**	**0.00975**	**-0.00463**	**-0.00160**	**0.00216**	**-0.02028**	**-0.00034**	**0.00197**
%RSD	1.04353	6.15491	0.21703	6.38500	4.93496	8.67017	45.50571	167.60273	21.22156

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00063	-0.00023	-0.00452
#2	-0.00051	-0.00128	0.00000
Mean	**-0.00057**	**-0.00076**	**-0.00226**
%RSD	15.08644	97.57178	141.60114

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:14
SampleId1 : 1110041-3MS 5X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 14:23:43
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE57

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01752	0.40379	0.38181	0.09386	0.43023	0.00936	-0.00519	8.56256	0.00935
#2	0.01822	0.40763	0.38391	0.09549	0.43191	0.00936	-0.00102	8.59575	0.00916
Mean	**0.01787**	**0.40571**	**0.38286**	**0.09468**	**0.43107**	**0.00936**	**-0.00310**	**8.57915**	**0.00926**
%RSD	2.75227	0.67084	0.38815	1.22027	0.27527	0.01692	94.97094	0.27360	1.44447

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09346	0.03768	0.05790	0.19761	10.94165	0.10354	7.38004	0.09664	0.19603
#2	0.09460	0.03865	0.05841	0.19897	10.97085	0.10392	7.41647	0.09681	0.19487
Mean	**0.09403**	**0.03817**	**0.05816**	**0.19829**	**10.95625**	**0.10373**	**7.39826**	**0.09673**	**0.19545**
%RSD	0.85587	1.81388	0.62725	0.48282	0.18845	0.25594	0.34818	0.12015	0.41793

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	57.55008	0.09821	1.89120	0.09150	0.09382	1.87827	0.09518	0.38637	0.37218
#2	57.66247	0.09981	1.87880	0.09850	0.09224	1.88700	0.09470	0.38362	0.36952
Mean	**57.60628**	**0.09901**	**1.88500**	**0.09500**	**0.09303**	**1.88263**	**0.09494**	**0.38499**	**0.37085**
%RSD	0.13796	1.14709	0.46552	5.21044	1.20168	0.32814	0.35584	0.50558	0.50591

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.24154	0.09242	0.14509	-0.00724	0.08790	0.39075	-0.02570	0.09499	0.10784
#2	1.25045	0.09918	0.14568	-0.00999	0.08845	0.40120	-0.01948	0.09566	0.10725
Mean	**1.24600**	**0.09580**	**0.14539**	**-0.00861**	**0.08817**	**0.39597**	**-0.02259**	**0.09533**	**0.10754**
%RSD	0.50574	4.99086	0.28707	22.61802	0.44169	1.86611	19.44904	0.49385	0.38904

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00117	0.09305	0.37690
#2	0.00173	0.09432	0.37422
Mean	**0.00145**	**0.09368**	**0.37556**
%RSD	27.79233	0.96355	0.50580

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:14
SampleId1 : 1110041-3MSD 5X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 14:25:33
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE58

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01863	0.40910	0.39347	0.09549	0.43632	0.00961	-0.00230	8.77928	0.00936
#2	0.01913	0.40585	0.38668	0.09634	0.43581	0.00957	-0.00246	8.79416	0.00989
Mean	**0.01888**	**0.40748**	**0.39008**	**0.09592**	**0.43607**	**0.00959**	**-0.00238**	**8.78672**	**0.00963**
%RSD	1.87401	0.56523	1.22961	0.62841	0.08282	0.30972	4.77724	0.11971	3.93437

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09611	0.03851	0.05937	0.20376	11.06470	0.10480	7.52162	0.09886	0.20043
#2	0.09649	0.03871	0.05920	0.20199	11.03475	0.10431	7.51582	0.09919	0.20007
Mean	**0.09630**	**0.03861**	**0.05928**	**0.20287**	**11.04972**	**0.10456**	**7.51872**	**0.09903**	**0.20025**
%RSD	0.27780	0.36975	0.20759	0.61715	0.19167	0.33009	0.05451	0.23472	0.12747

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	58.33309	0.10025	1.90386	0.09987	0.09833	1.91321	0.09796	0.38295	0.37605
#2	58.12508	0.10142	1.92527	0.09827	0.09558	1.91321	0.09910	0.37887	0.38451
Mean	**58.22909**	**0.10084**	**1.91457**	**0.09907**	**0.09695**	**1.91321**	**0.09853**	**0.38091**	**0.38028**
%RSD	0.25260	0.81713	0.79096	1.14242	2.00426	0.00000	0.81774	0.75746	1.57353

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.27160	0.09491	0.14728	-0.01186	0.09022	0.40519	-0.02446	0.09633	0.10725
#2	1.26953	0.10025	0.14718	-0.01334	0.09018	0.40856	-0.02384	0.09673	0.10754
Mean	**1.27057**	**0.09758**	**0.14723**	**-0.01260**	**0.09020**	**0.40688**	**-0.02415**	**0.09653**	**0.10740**
%RSD	0.11524	3.86881	0.04805	8.27165	0.03373	0.58399	1.82332	0.29767	0.19479

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00057	0.09884	0.37835
#2	0.00077	0.09648	0.38263
Mean	**0.00067**	**0.09766**	**0.38049**
%RSD	21.38722	1.71312	0.79646

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:14
SampleId1 : 1110041-3A **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 14:27:24
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE59

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00102	0.06135	0.00008	0.01374	0.25931	0.00013	-0.00072	48.96586	-0.00026
#2	-0.00067	0.06812	0.00008	0.01551	0.26040	0.00011	-0.00392	49.54387	-0.00066
Mean	**-0.00085**	**0.06473**	**0.00008**	**0.01463**	**0.25985**	**0.00012**	**-0.00232**	**49.25487**	**-0.00046**
%RSD	28.67077	7.39952	0.00000	8.58379	0.29722	7.46244	97.57503	0.82980	61.52890

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00062	-0.00042	0.05505	0.11640	63.28179	0.65563	43.05445	0.02075	0.00500
#2	-0.00031	-0.00054	0.05530	0.11724	64.00450	0.66432	43.71468	0.02084	0.00659
Mean	**-0.00046**	**-0.00048**	**0.05517**	**0.11682**	**63.64314**	**0.65997**	**43.38457**	**0.02079**	**0.00579**
%RSD	48.36015	17.64333	0.32500	0.50399	0.80297	0.93034	1.07609	0.27915	19.37438

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	255.72425	-0.00070	-0.00937	0.00439	0.00904	0.02538	-0.00475	-0.00470	-0.00208
#2	254.97507	-0.00111	-0.00504	0.00658	0.00706	0.01085	-0.00164	-0.00755	0.00000
Mean	**255.34966**	**-0.00091**	**-0.00721**	**0.00549**	**0.00805**	**0.01812**	**-0.00319**	**-0.00612**	**-0.00104**
%RSD	0.20746	31.89114	42.57314	28.12950	17.42074	56.69797	68.77378	32.97062	141.13413

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.69532	-0.00391	0.25414	-0.03357	0.00006	0.00307	-0.04304	-0.00047	0.06761

#2	4.70768	0.00107	0.25474	-0.04188	-0.00018	0.00080	-0.03434	-0.00014	0.06436
Mean	**4.70150**	**-0.00142**	**0.25444**	**-0.03772**	**-0.00006**	**0.00193**	**-0.03869**	**-0.00030**	**0.06598**
%RSD	0.18588	247.64729	0.16722	15.58992	292.42192	82.80024	15.89859	78.06062	3.48629

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00083	0.00750	-0.00295
#2	0.00125	0.00690	-0.00252
Mean	**0.00104**	**0.00720**	**-0.00273**
%RSD	28.61941	5.85979	11.24347

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:14
SampleId1 : 1110062-1 5X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 14:29:14
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE60

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00008	-0.00927	0.00246	0.00032	0.00889	-0.00005	-0.00071	14.25713	-0.00061
#2	-0.00052	-0.01210	-0.00334	0.00067	0.00889	-0.00006	-0.00167	14.26141	-0.00059
Mean	**-0.00022**	**-0.01069**	**-0.00044**	**0.00049**	**0.00889**	**-0.00006**	**-0.00119**	**14.25927**	**-0.00060**
%RSD	192.19036	18.76351	928.76170	50.89677	0.00000	7.64152	57.00229	0.02124	2.63270

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00047	-0.00063	-0.00190	-0.00707	0.44600	0.00091	0.16004	0.01049	0.00024
#2	-0.00059	-0.00043	-0.00138	-0.00728	0.44304	0.00091	0.16252	0.01033	-0.00214
Mean	**-0.00053**	**-0.00053**	**-0.00164**	**-0.00718**	**0.44452**	**0.00091**	**0.16128**	**0.01041**	**-0.00095**
%RSD	16.84055	26.82316	22.49202	2.04827	0.47173	0.24307	1.08488	1.11500	176.70230

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	36.65316	-0.00058	-0.00480	0.00066	0.00034	27.31348	-0.00353	-0.00665	-0.00117
#2	36.93482	-0.00067	0.00075	-0.00040	-0.00003	27.44268	-0.00355	-0.00191	-0.00046
Mean	**36.79399**	**-0.00062**	**-0.00202**	**0.00013**	**0.00016**	**27.37808**	**-0.00354**	**-0.00428**	**-0.00082**
%RSD	0.54128	10.70063	193.70326	565.89197	166.01929	0.33368	0.44563	78.18350	62.11352

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.82709	-0.00178	0.34117	-0.00260	-0.00162	-0.00043	-0.02556	-0.00034	0.02059
#2	0.82763	-0.00035	0.34240	-0.00464	-0.00184	-0.00152	-0.02494	-0.00034	0.02237
Mean	**0.82736**	**-0.00106**	**0.34179**	**-0.00362**	**-0.00173**	**-0.00097**	**-0.02525**	**-0.00034**	**0.02148**
%RSD	0.04560	94.54346	0.25361	39.92118	8.78302	79.24057	1.74091	0.00828	5.83919

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00096	0.00045	-0.00300
#2	-0.00078	-0.00015	-0.00094

Mean	**-0.00087**	**0.00015**	**-0.00197UNDGREEN**
%RSD	14.51045	284.74474	73.74664

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:14
SampleId1 : CCV **SampleId2 :** **[CV]**
Analysis commenced : 10/14/2011 14:31:04
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD6

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.19678	49.98676	0.50686	1.00287	0.99281	0.47653	0.51597	49.70994	0.50368
#2	0.19592	49.95747	0.50256	1.00387	0.98517	0.47453	0.51322	49.60962	0.50338
Mean	**0.19635**	**49.97212**	**0.50471**	**1.00337**	**0.98899**	**0.47553**	**0.51459**	**49.65978**	**0.50353**
%RSD	0.30653	0.04145	0.60322	0.07026	0.54599	0.29706	0.37772	0.14285	0.04300

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48980	0.98883	1.03273	19.49883	52.04263	0.51582	49.62090	0.96726	1.00904
#2	0.48713	0.98509	1.02773	19.42113	51.90878	0.51396	49.48726	0.96469	1.00766
Mean	**0.48847**	**0.98696**	**1.03023**	**19.45998**	**51.97570**	**0.51489**	**49.55408**	**0.96597**	**1.00835**
%RSD	0.38569	0.26796	0.34304	0.28234	0.18209	0.25513	0.19069	0.18866	0.09655

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.59160	1.01514	4.89847	0.98580	0.96591	4.94782	0.49485	0.95956	0.94555
#2	49.60693	1.00731	4.86612	0.97736	0.96573	4.93028	0.48540	0.95853	0.95093
Mean	**49.59927**	**1.01123**	**4.88229**	**0.98158**	**0.96582**	**4.93905**	**0.49012**	**0.95905**	**0.94824**
%RSD	0.02187	0.54731	0.46853	0.60774	0.01306	0.25112	1.36246	0.07563	0.40084

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.75243	1.01856	0.49777	0.30732	0.47167	0.51358	5.06740	0.48826	0.93826
#2	4.75218	1.01320	0.49456	0.30829	0.46993	0.50126	5.01891	0.48635	0.93885
Mean	**4.75230**	**1.01588**	**0.49616**	**0.30780**	**0.47080**	**0.50742**	**5.04316**	**0.48730**	**0.93855**
%RSD	0.00386	0.37271	0.45693	0.22243	0.26119	1.71733	0.67982	0.27618	0.04486

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.98781	0.97253	0.95022
#2	0.98280	0.96961	0.95346
Mean	**0.98531**	**0.97107**	**0.95184**
%RSD	0.36007	0.21323	0.24098

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:15
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 10/14/2011 14:33:00
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD2

Final concentrations **56:28** **User: MIKE LUNDGREEN**

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00003	0.00970	-0.00001	-0.00494	0.00014	0.00008	0.00282	-0.02147	0.00005
#2	0.00017	0.01422	-0.00210	-0.00650	0.00014	0.00010	-0.00103	-0.02016	0.00007
Mean	**0.00007**	**0.01196**	**-0.00106**	**-0.00572**	**0.00014**	**0.00009**	**0.00089**	**-0.02082**	**0.00006**
%RSD	198.43868	26.70480	139.58438	19.31167	0.00000	20.82150	304.26839	4.45338	16.49923

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00047	0.00046	-0.00190	0.00395	-0.15138	-0.00203	-0.01605	0.00032	-0.00171
#2	-0.00092	0.00006	-0.00173	0.00405	-0.16744	-0.00206	-0.01728	0.00040	-0.00056
Mean	**-0.00023**	**0.00026**	**-0.00181**	**0.00400**	**-0.15941**	**-0.00204**	**-0.01667**	**0.00036**	**-0.00113**
%RSD	435.31212	110.54614	6.74745	1.83869	7.12129	1.08521	5.24915	16.27799	72.03613

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.02936	-0.00196	-0.00070	0.00170	0.00114	-0.03272	-0.00218	-0.01039	-0.00131
#2	-0.02834	-0.00105	0.00123	-0.00238	-0.00215	-0.03854	-0.00194	-0.00598	0.00205
Mean	**-0.02885**	**-0.00151**	**0.00027**	**-0.00034**	**-0.00051**	**-0.03563**	**-0.00206**	**-0.00819**	**0.00037**
%RSD	2.50362	42.87797	512.44080	842.81909	460.44057	11.53097	8.34907	38.04018	645.68645

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.02656	-0.00142	-0.00361	0.00155	-0.00131	0.00394	-0.01935	0.00062	-0.00099
#2	-0.02503	-0.00106	-0.00360	-0.00761	-0.00150	0.00112	-0.01873	0.00006	-0.00010
Mean	**-0.02579**	**-0.00124**	**-0.00360**	**-0.00303**	**-0.00140**	**0.00253**	**-0.01904**	**0.00034**	**-0.00054**
%RSD	4.18052	20.25443	0.19561	213.51685	9.55721	78.65601	2.30763	114.63890	115.54596

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00006	0.00133	-0.00434
#2	0.00038	-0.00223	-0.00062
Mean	**0.00016**	**-0.00045**	**-0.00248**
%RSD	191.21367	556.96273	105.82922

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:15
SampleId1 : 1110062-3 5X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 14:34:56
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE61

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00077	0.09016	0.00388	0.00110	0.01401	0.00012	0.00170	14.48636	-0.00051
#2	0.00006	0.08867	0.00227	0.00181	0.01401	0.00013	0.00154	14.53243	-0.00022
Mean	**0.00041**	**0.08942**	**0.00308**	**0.00145**	**0.01401**	**0.00013**	**0.00162**	**14.50939**	**-0.00037**
%RSD	120.35515	1.17496	37.15331	34.58336	0.00000	4.81163	6.97671	0.22452	55.72608

ted: 10/17/2011 09:56:28 User: MIKE LUNDGREEN

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00017	0.00098	-0.00086	0.09517	0.48159	0.00111	0.20129	0.01263	-0.00063
#2	-0.00021	0.00052	-0.00121	0.09601	0.47146	0.00112	0.19881	0.01263	-0.00041
Mean	**-0.00002**	**0.00075**	**-0.00103**	**0.09559**	**0.47652**	**0.00112**	**0.20005**	**0.01263**	**-0.00052**
%RSD	1299.54950	43.83497	24.02631	0.61582	1.50355	0.39680	0.87466	0.00000	29.43996

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	37.17978	0.00008	-0.00552	0.00428	-0.00394	27.52982	-0.00367	-0.00754	-0.00044
#2	37.65067	-0.00099	0.00388	-0.00072	0.00111	27.80333	0.00115	-0.00115	-0.00158
Mean	**37.41522**	**-0.00045**	**-0.00082**	**0.00178**	**-0.00142**	**27.66658**	**-0.00126**	**-0.00434**	**-0.00101**
%RSD	0.88992	167.83878	812.07742	198.61399	252.09524	0.69904	271.04937	104.00612	80.26655

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.93718	-0.00249	0.34327	-0.00237	0.00044	-0.00202	-0.02128	0.00078	0.04957
#2	0.94272	-0.00142	0.34802	-0.00662	0.00044	-0.00138	-0.01631	-0.00007	0.04957
Mean	**0.93995**	**-0.00196**	**0.34564**	**-0.00449**	**0.00044**	**-0.00170**	**-0.01879**	**0.00036**	**0.04957**
%RSD	0.41695	38.57428	0.97032	66.96519	0.00000	26.64415	18.70504	167.07916	0.00000

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00243	-0.00120	-0.00280
#2	0.00201	0.00050	-0.00144
Mean	**0.00222**	**-0.00035**	**-0.00212**
%RSD	13.49923	342.19664	45.47457

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:15
SampleId1 : IP111013-8MB SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 14:36:47
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE62

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00012	-0.01086	-0.00172	-0.00849	-0.00047	-0.00006	-0.00087	-0.05975	-0.00063
#2	-0.00038	-0.01028	-0.00249	-0.00835	-0.00044	-0.00003	0.00250	-0.05897	-0.00037
Mean	**-0.00025**	**-0.01057**	**-0.00210**	**-0.00842**	**-0.00046**	**-0.00004**	**0.00081**	**-0.05936**	**-0.00050**
%RSD	72.09211	3.85300	25.54455	1.19288	5.63990	54.66086	293.29600	0.93698	37.85690

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00042	-0.00060	-0.00224	-0.01123	-0.19090	-0.00227	-0.05687	-0.00026	-0.00214
#2	-0.00048	-0.00029	-0.00164	-0.01040	-0.19386	-0.00227	-0.05398	-0.00018	-0.00286
Mean	**-0.00045**	**-0.00045**	**-0.00194**	**-0.01082**	**-0.19238**	**-0.00227**	**-0.05543**	**-0.00022**	**-0.00250**
%RSD	9.95508	49.66607	21.93958	5.43683	1.08934	0.19545	3.68245	26.62250	20.37433

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.05872	-0.00253	-0.00504	-0.00154	-0.00069	-0.04435	-0.00412	-0.00456	-0.00082
#2	-0.05928	-0.00193	-0.00263	0.00160	-0.00359	-0.04144	-0.00127	-0.00400	-0.00404
Mean	**-0.05900**	**-0.00223**	**-0.00383**	**0.00003**	**-0.00214**	**-0.04289**	**-0.00269**	**-0.00428**	**-0.00243**
%RSD	0.67307	18.96948	44.48263	7309.01947	95.95890	4.78920	74.94435	9.17928	93.87678

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.02883	0.00071	-0.00396	-0.00574	-0.00168	-0.00134	-0.02431	-0.00071	-0.00069
#2	-0.02504	0.00214	-0.00392	-0.00565	-0.00178	-0.00215	-0.01810	0.00002	-0.00158
Mean	**-0.02694**	**0.00143**	**-0.00394**	**-0.00570**	**-0.00173**	**-0.00175**	**-0.02121**	**-0.00034**	**-0.00113**
%RSD	9.95005	70.57851	0.71608	1.20055	3.86453	32.97396	20.72078	151.67764	55.30143

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00067	-0.00097	-0.00206
#2	-0.00051	-0.00186	-0.00403
Mean	**-0.00059**	**-0.00141**	**-0.00304**
%RSD	19.30299	44.39803	45.64336

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:15
SampleId1 : IP111013-8LCS SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 14:38:37
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE63

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00028	-0.00279	-0.00382	-0.00821	-0.00029	0.00005	-0.00327	39.45573	-0.00001
#2	-0.00058	-0.00348	0.00227	-0.00828	-0.00029	0.00001	0.00057	39.54168	-0.00040
Mean	**-0.00043**	**-0.00313**	**-0.00077**	**-0.00824**	**-0.00029**	**0.00003**	**-0.00135**	**39.49870**	**-0.00020**
%RSD	49.93747	15.58602	555.67184	0.60929	0.00000	114.35090	201.33642	0.15387	136.50068

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00023	-0.00014	-0.00163	-0.00655	40.19172	0.49651	39.52931	0.00163	-0.00301
#2	-0.00042	-0.00029	-0.00172	-0.00603	40.08692	0.49558	39.55245	0.00163	-0.00207
Mean	**-0.00032**	**-0.00021**	**-0.00168**	**-0.00629**	**40.13932**	**0.49604**	**39.54088**	**0.00163**	**-0.00254**
%RSD	41.72419	48.54124	3.81836	5.83962	0.18462	0.13203	0.04139	0.00000	26.11046

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	38.20149	-0.00184	9.87953	-0.00142	-0.00006	-0.03563	0.00045	-0.00137	0.00126
#2	38.16154	-0.00212	9.88484	-0.00072	-0.00157	-0.02110	-0.00344	-0.00643	-0.00232
Mean	**38.18152**	**-0.00198**	**9.88218**	**-0.00107**	**-0.00081**	**-0.02837**	**-0.00149**	**-0.00390**	**-0.00053**
%RSD	0.07398	10.12976	0.03800	46.32486	130.84793	36.20852	183.99738	91.81865	479.02472

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.02709	0.00071	-0.00367	-0.04013	-0.00137	0.00457	-0.02804	-0.00049	-0.00187
#2	-0.02677	0.00178	-0.00367	-0.04203	-0.00140	-0.00279	-0.02307	0.00021	-0.00039
Mean	**-0.02693**	**0.00125**	**-0.00367**	**-0.04108**	**-0.00139**	**0.00089**	**-0.02556**	**-0.00014**	**-0.00113**
%RSD	0.84617	60.49546	0.00000	3.26607	1.31538	585.53223	13.75349	353.40665	92.16915

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00151	-0.00051	0.00039
#2	0.00166	-0.00128	-0.00369
Mean	**0.00159**	**-0.00090**	**-0.00165**
%RSD	6.46559	60.54608	174.55001

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:15
SampleId1 : 1110158-1 2X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 14:40:27
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE64

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00037	0.00264	0.00569	0.09016	0.01604	0.00018	-0.00007	249.47210	-0.00033
#2	-0.00027	0.00173	0.00312	0.08988	0.01579	0.00013	-0.00472	250.45545	-0.00042
Mean	**-0.00032**	**0.00218**	**0.00441**	**0.09002**	**0.01592**	**0.00015**	**-0.00240**	**249.96378**	**-0.00038**
%RSD	23.10149	29.48962	41.18712	0.22319	1.12899	20.87741	137.15055	0.27818	16.32448

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00096	-0.00066	-0.00154	-0.00999	29.54713	0.02434	34.01194	0.00179	0.42632
#2	-0.00090	-0.00046	-0.00180	-0.01009	29.40525	0.02438	33.96242	0.00171	0.42958
Mean	**-0.00093**	**-0.00056**	**-0.00167**	**-0.01004**	**29.47619**	**0.02436**	**33.98718**	**0.00175**	**0.42795**
%RSD	4.80679	25.87611	10.90146	0.73240	0.34037	0.10921	0.10302	3.31295	0.53740

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.76103	-0.00036	0.29936	-0.00086	-0.00104	251.91935	0.00112	0.00314	0.01186
#2	50.55538	-0.00070	0.29792	-0.00400	-0.00121	251.29074	0.00252	0.01162	0.00663
Mean	**50.65821**	**-0.00053**	**0.29864**	**-0.00243**	**-0.00113**	**251.60505**	**0.00182**	**0.00738**	**0.00925**
%RSD	0.28705	46.23192	0.34293	91.23577	11.16762	0.17666	54.35519	81.17586	39.98086

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.43650	0.00107	2.15088	-0.03474	-0.00255	0.00175	-0.03115	0.00047	0.00049
#2	9.40941	-0.00142	2.14757	-0.03098	-0.00267	-0.00516	-0.03426	0.00003	0.00108
Mean	**9.42296**	**-0.00017**	**2.14923**	**-0.03286**	**-0.00261**	**-0.00171**	**-0.03270**	**0.00025**	**0.00079**
%RSD	0.20331	1011.51490	0.10891	8.08016	3.03108	286.06235	6.71841	127.06435	53.08442

	Zr	**Pb**	**Se**
	ppm	calc	calc

#1	-0.00019	-0.00098	0.00896	**UNDGREEN**
#2	-0.00062	-0.00214	0.00829	
Mean	**-0.00040**	**-0.00156**	**0.00863**	
%RSD	74.71004	52.68896	5.45460	

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:15
SampleId1 : 1110158-1D 2X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 14:42:20
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE65

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00051	0.00465	-0.00172	0.08881	0.01575	0.00017	0.00120	245.80044	-0.00067
#2	-0.00036	0.00643	0.00341	0.09052	0.01561	0.00015	-0.00104	246.27439	-0.00023
Mean	**-0.00043**	**0.00554**	**0.00084**	**0.08967**	**0.01568**	**0.00016**	**0.00008**	**246.03742**	**-0.00045**
%RSD	23.59135	22.80211	431.18004	1.34442	0.65485	7.59109	1929.29266	0.13622	68.66639

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00064	-0.00079	-0.00205	-0.01009	29.58419	0.02406	33.74633	0.00171	0.42611
#2	-0.00083	-0.00071	-0.00240	-0.01030	29.40347	0.02382	33.69473	0.00171	0.42603
Mean	**-0.00074**	**-0.00075**	**-0.00223**	**-0.01019**	**29.49383**	**0.02394**	**33.72053**	**0.00171**	**0.42607**
%RSD	18.18347	7.85774	11.15502	1.44239	0.43328	0.72223	0.10822	0.00000	0.01199

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.66185	-0.00020	0.28874	-0.00248	0.00110	249.53673	-0.00014	0.00511	0.00914
#2	50.30180	0.00034	0.29019	-0.00450	0.00176	249.44018	0.00043	0.00688	0.01057
Mean	**50.48183**	**0.00007**	**0.28947**	**-0.00349**	**0.00143**	**249.48846**	**0.00015**	**0.00600**	**0.00986**
%RSD	0.50434	552.48838	0.35378	40.88955	32.37925	0.02736	275.77078	20.82528	10.27608

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.35476	0.00143	2.14517	-0.02829	-0.00273	-0.00199	-0.04731	-0.00027	-0.00069
#2	9.32246	0.00107	2.13940	-0.03386	-0.00269	0.00138	-0.04171	0.00017	0.00079
Mean	**9.33861**	**0.00125**	**2.14228**	**-0.03108**	**-0.00271**	**-0.00031**	**-0.04451**	**-0.00005**	**0.00005**
%RSD	0.24454	20.14254	0.19058	12.66130	1.12143	778.12420	8.88554	641.51637	2154.52643

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00105	-0.00009	0.00780
#2	-0.00062	-0.00033	0.00934
Mean	**-0.00084**	**-0.00021**	**0.00857**
%RSD	36.58489	79.38234	12.73374

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:16
SampleId1 : 1110158-1L 10X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 14:44:11

Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE66

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00017	0.00110	-0.00144	-0.00011	0.00102	0.00001	-0.00312	20.15597	-0.00046
#2	0.00017	0.00640	-0.00106	-0.00011	0.00109	0.00001	-0.00103	20.10062	-0.00032
Mean	**0.00000**	**0.00375**	**-0.00125**	**-0.00011**	**0.00105**	**0.00001**	**-0.00208**	**20.12830**	**-0.00039**
%RSD	10583.47356	99.80167	21.51735	0.00000	4.88295	22.86470	71.12051	0.19444	24.77172

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00130	-0.00057	-0.00276	-0.01123	1.64599	-0.00066	2.89008	-0.00009	0.03552
#2	-0.00060	0.00049	-0.00260	-0.01071	1.65045	-0.00067	2.87851	-0.00009	0.03559
Mean	**-0.00095**	**-0.00004**	**-0.00268**	**-0.01097**	**1.64822**	**-0.00066**	**2.88430**	**-0.00009**	**0.03555**
%RSD	51.74570	1782.31685	4.28926	3.34972	0.19105	0.66835	0.28350	0.00000	0.14350

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.49278	-0.00237	0.02172	-0.00391	-0.00043	21.18005	-0.00140	-0.00841	-0.00175
#2	3.50298	-0.00180	0.02100	-0.00205	-0.00260	21.04586	-0.00003	-0.00257	0.00040
Mean	**3.49788**	**-0.00209**	**0.02136**	**-0.00298**	**-0.00152**	**21.11296**	**-0.00071**	**-0.00549**	**-0.00067**
%RSD	0.20626	19.19041	2.39429	44.07800	101.26738	0.44945	135.23748	75.28636	225.79580

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.79341	-0.00320	0.18423	-0.00478	-0.00201	-0.00225	-0.03053	-0.00057	-0.00010
#2	0.78915	0.00036	0.18290	-0.00653	-0.00199	-0.00506	-0.01623	0.00002	-0.00099
Mean	**0.79128**	**-0.00142**	**0.18356**	**-0.00565**	**-0.00200**	**-0.00365**	**-0.02338**	**-0.00027**	**-0.00054**
%RSD	0.38102	177.15992	0.51299	21.94239	0.91330	54.32488	43.22724	154.44464	115.54596

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00105	-0.00159	-0.00397
#2	-0.00054	-0.00242	-0.00059
Mean	**-0.00080**	**-0.00201**	**-0.00228**
%RSD	45.04585	29.26428	104.94879

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:16
SampleId1 : 1110158-1MS 2X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 14:46:02
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE67

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00033	0.00370	0.00331	0.08917	0.01568	0.00024	0.00057	268.34377	-0.00063
#2	-0.00003	0.01144	0.00331	0.09031	0.01564	0.00023	-0.00648	268.20438	-0.00013

Mean	**0.00015**	**0.00757**	**0.00331**	**0.08974**	**0.01566**	**0.00024**	**-0.00295**	**268.27407**	**-0.00038**
%RSD	175.38416	72.29630	0.00000	0.89557	0.16390	2.83132	168.77124	0.03674	94.49880

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00071	-0.00032	-0.00172	-0.00593	51.59378	0.30516	53.33921	0.00245	0.42647
#2	-0.00045	0.00014	-0.00156	-0.00572	51.59067	0.30515	53.32395	0.00261	0.42509
Mean	**-0.00058**	**-0.00009**	**-0.00164**	**-0.00583**	**51.59223**	**0.30516**	**53.33158**	**0.00253**	**0.42578**
%RSD	30.77846	359.10854	7.01308	2.52342	0.00426	0.00289	0.02022	4.58514	0.22805

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	70.08328	-0.00023	5.14954	-0.00036	-0.00236	247.77027	-0.00083	0.00634	0.00971
#2	70.06897	0.00081	5.15646	-0.00091	-0.00164	248.23021	0.00259	0.00768	0.01157
Mean	**70.07612**	**0.00029**	**5.15300**	**-0.00063**	**-0.00200**	**248.00024**	**0.00088**	**0.00701**	**0.01064**
%RSD	0.01444	254.30608	0.09501	60.66622	25.39269	0.13114	274.28046	13.43731	12.36960

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.24001	0.00000	2.11279	-0.03584	-0.00224	0.00411	-0.02245	0.00017	0.00020
#2	9.23745	-0.00391	2.11176	-0.03630	-0.00237	-0.00169	-0.00878	0.00051	0.00020
Mean	**9.23873**	**-0.00195**	**2.11227**	**-0.03607**	**-0.00230**	**0.00121**	**-0.01562**	**0.00034**	**0.00020**
%RSD	0.01959	141.66488	0.03458	0.90830	4.22514	338.78595	61.90826	69.17946	0.00000

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00034	-0.00170	0.00859
#2	-0.00031	-0.00140	0.01028
Mean	**-0.00032**	**-0.00155**	**0.00943**
%RSD	6.63945	13.65857	12.63379

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:16
SampleId1 : 1110158-1MSD 2X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 14:47:53
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE68

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00031	0.00574	-0.00087	0.08974	0.01561	0.00024	-0.00296	268.95927	-0.00025
#2	0.00003	0.00887	0.00037	0.09031	0.01583	0.00019	-0.00360	270.47435	-0.00044
Mean	**-0.00014**	**0.00730**	**-0.00025**	**0.09002**	**0.01572**	**0.00022**	**-0.00328**	**269.71681**	**-0.00035**
%RSD	167.16988	30.35387	347.57250	0.44637	0.98000	15.79697	13.73235	0.39720	37.44024

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00090	-0.00048	-0.00223	0.05969	52.18296	0.30842	53.71252	0.00261	0.42625
#2	-0.00058	-0.00014	-0.00172	0.06157	52.06748	0.30735	53.81677	0.00278	0.42979
Mean	**-0.00074**	**-0.00031**	**-0.00198**	**0.06063**	**52.12522**	**0.30789**	**53.76464**	**0.00270**	**0.42802**

%RSD	30.25645	77.31963	18.32789	2.18389	0.15665	0.24591	0.13711	4.30594	0.58507

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	70.67070	-0.00077	5.21903	-0.00567	-0.00045	250.03445	0.00020	0.00797	0.00736
#2	70.62823	-0.00105	5.26356	-0.00066	-0.00181	250.86317	0.00183	0.00721	0.00865
Mean	**70.64947**	**-0.00091**	**5.24129**	**-0.00316**	**-0.00113**	**250.44881**	**0.00102**	**0.00759**	**0.00801**
%RSD	0.04251	22.07848	0.60073	111.95123	85.37572	0.23398	113.28054	7.09804	11.38565

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.29997	0.00000	2.13506	-0.03613	-0.00249	-0.00440	-0.03741	-0.00004	-0.00128
#2	9.30692	-0.00213	2.13272	-0.04245	-0.00243	-0.00331	-0.02685	0.00070	-0.00010
Mean	**9.30345**	**-0.00106**	**2.13389**	**-0.03929**	**-0.00246**	**-0.00386**	**-0.03213**	**0.00033**	**-0.00069**
%RSD	0.05275	141.90847	0.07749	11.37450	1.72904	20.10302	23.24793	156.36391	121.08455

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00071	-0.00218	0.00757
#2	0.00011	-0.00143	0.00817
Mean	**-0.00030**	**-0.00181**	**0.00787**
%RSD	193.44886	29.73741	5.44646

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:16
SampleId1 : 1110158-2 2X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 14:49:44
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE69

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00072	0.00555	0.00265	0.09009	0.01554	0.00017	-0.00472	247.12642	-0.00070
#2	-0.00057	0.00163	0.00217	0.08938	0.01564	0.00013	0.00105	246.88717	-0.00015
Mean	**-0.00065**	**0.00359**	**0.00241**	**0.08974**	**0.01559**	**0.00015**	**-0.00184**	**247.00679**	**-0.00043**
%RSD	15.80758	77.17305	13.94422	0.55973	0.49399	17.26518	222.31760	0.06849	90.57934

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00077	-0.00086	-0.00224	-0.01009	29.12458	0.02357	33.58019	0.00171	0.42502
#2	-0.00058	-0.00049	-0.00207	-0.01009	29.03628	0.02351	33.48034	0.00179	0.42343
Mean	**-0.00068**	**-0.00068**	**-0.00216**	**-0.01009**	**29.08043**	**0.02354**	**33.53027**	**0.00175**	**0.42423**
%RSD	19.89334	38.97152	5.55207	0.00000	0.21470	0.19778	0.21056	3.31295	0.26503

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.05789	-0.00017	0.29043	-0.00359	0.00035	248.73856	0.00008	0.00480	0.00742
#2	49.99459	-0.00168	0.28536	-0.00117	-0.00002	247.61082	0.00098	0.00612	0.00950
Mean	**50.02624**	**-0.00092**	**0.28790**	**-0.00238**	**0.00017**	**248.17469**	**0.00053**	**0.00546**	**0.00846**
%RSD	0.08948	115.74421	1.24498	71.97433	159.23240	0.32132	119.72998	17.16620	17.36161

ted: 10/17/2011 09:56:28 User: MIKE LUNDGREEN

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.28266	0.00285	2.11801	-0.02463	-0.00237	0.00329	-0.02929	0.00039	-0.00128
#2	9.27317	-0.00106	2.11178	-0.02792	-0.00256	-0.00170	-0.02369	0.00014	-0.00069
Mean	**9.27791**	**0.00089**	**2.11489**	**-0.02627**	**-0.00247**	**0.00079**	**-0.02649**	**0.00027**	**-0.00099**
%RSD	0.07233	309.84173	0.20829	8.85216	5.42466	444.20184	14.93073	68.95749	42.39350

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00135	-0.00096	0.00655
#2	-0.00082	-0.00040	0.00837
Mean	**-0.00109**	**-0.00068**	**0.00746**
%RSD	34.10122	57.81464	17.31399

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:16
SampleId1 : 1110158-3 2X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 14:51:36
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE70

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00111	0.00448	0.00265	0.08889	0.01550	0.00013	-0.00248	242.45990	-0.00094
#2	-0.00037	-0.00084	0.00179	0.09066	0.01572	0.00012	-0.00264	243.55832	-0.00017
Mean	**-0.00074**	**0.00182**	**0.00222**	**0.08977**	**0.01561**	**0.00013**	**-0.00256**	**243.00911**	**-0.00055**
%RSD	70.43452	206.88348	27.24892	1.39878	0.98684	6.33451	4.27577	0.31962	98.67446

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00096	-0.00077	-0.00241	-0.01175	29.13676	0.02345	33.35533	0.00146	0.42097
#2	-0.00033	-0.00063	-0.00190	-0.01144	29.33241	0.02361	33.56928	0.00163	0.42336
Mean	**-0.00064**	**-0.00070**	**-0.00215**	**-0.01160**	**29.23458**	**0.02353**	**33.46231**	**0.00155**	**0.42217**
%RSD	69.44136	13.74685	16.73557	1.90172	0.47323	0.48051	0.45211	7.50494	0.39948

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.09046	0.00002	0.29357	-0.00241	0.00146	246.98431	-0.00144	0.00446	0.01215
#2	50.41395	-0.00143	0.28729	-0.00167	0.00053	247.84815	0.00201	0.00436	0.01193
Mean	**50.25220**	**-0.00070**	**0.29043**	**-0.00204**	**0.00099**	**247.41623**	**0.00028**	**0.00441**	**0.01204**
%RSD	0.45519	145.70220	1.52797	25.87081	66.08652	0.24688	858.39532	1.57241	1.26288

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.23319	0.00036	2.11013	-0.02950	-0.00285	0.00129	-0.03923	-0.00001	-0.00069
#2	9.29499	0.00249	2.12336	-0.03214	-0.00273	-0.00406	-0.02431	0.00051	-0.00069
Mean	**9.26409**	**0.00143**	**2.11675**	**-0.03082**	**-0.00279**	**-0.00139**	**-0.03177**	**0.00025**	**-0.00069**
%RSD	0.47170	105.76074	0.44203	6.04892	3.27091	272.37186	33.19596	148.43407	0.00000

	Zr	Pb	SeUNDGREEN
	ppm	calc	calc
#1	-0.00107	0.00017	0.00959
#2	-0.00079	-0.00020	0.00941
Mean	**-0.00093**	**-0.00002**	**0.00950**
%RSD	21.95297	1521.37557	1.31073

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:17
SampleId1 : CCV SampleId2 : [CV]
Analysis commenced : 10/14/2011 14:53:25
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD6

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.19610	49.77529	0.50227	1.00423	0.98301	0.47315	0.51657	49.78133	0.50759
#2	0.19632	50.08950	0.50447	1.00309	0.98789	0.47262	0.51724	49.58771	0.50794
Mean	**0.19621**	**49.93240**	**0.50337**	**1.00366**	**0.98545**	**0.47288**	**0.51690**	**49.68452**	**0.50776**
%RSD	0.07750	0.44495	0.30913	0.08027	0.35036	0.07997	0.09241	0.27556	0.04958

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48752	0.98481	1.03001	19.37075	51.82310	0.51236	49.34306	0.96011	1.01063
#2	0.48677	0.98331	1.03849	19.35962	52.23086	0.51711	49.51348	0.95953	1.01216
Mean	**0.48714**	**0.98406**	**1.03425**	**19.36519**	**52.02698**	**0.51474**	**49.42827**	**0.95982**	**1.01139**
%RSD	0.10960	0.10769	0.57961	0.04063	0.55420	0.65204	0.24380	0.04287	0.10639

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.68112	1.02031	4.87945	0.97049	0.95691	4.91858	0.49330	0.94955	0.94071
#2	50.08103	1.01719	4.91649	0.97464	0.95580	4.96243	0.49436	0.95490	0.94588
Mean	**49.88107**	**1.01875**	**4.89797**	**0.97256**	**0.95636**	**4.94051**	**0.49383**	**0.95223**	**0.94330**
%RSD	0.56691	0.21687	0.53481	0.30173	0.08197	0.62762	0.15111	0.39682	0.38769

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.72171	1.01285	0.49454	0.31034	0.46428	0.51085	4.98845	0.48586	0.93647
#2	4.73905	1.01571	0.49636	0.30858	0.46554	0.51659	5.02829	0.48567	0.93200
Mean	**4.73038**	**1.01428**	**0.49545**	**0.30946**	**0.46491**	**0.51372**	**5.00837**	**0.48577**	**0.93424**
%RSD	0.25928	0.19906	0.25901	0.40231	0.19117	0.79032	0.56239	0.02726	0.33801

	Zr	Pb	Se
	ppm	calc	calc
#1	0.98194	0.96143	0.94366
#2	0.98409	0.96207	0.94888
Mean	**0.98302**	**0.96175**	**0.94627**
%RSD	0.15514	0.04724	0.39075

SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 10/14/2011 14:55:21
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD2

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00048	0.02653	-0.00011	-0.00700	0.00014	0.00019	-0.00295	-0.01754	-0.00005
#2	0.00046	0.02729	-0.00030	-0.00664	0.00025	0.00016	0.00010	-0.00679	0.00032
Mean	**-0.00001**	**0.02691**	**-0.00020**	**-0.00682**	**0.00020**	**0.00017**	**-0.00143**	**-0.01216**	**0.00013**
%RSD	5604.59866	2.00268	65.93796	3.68076	38.83463	12.98565	150.87923	62.49617	194.04227

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00073	0.00003	-0.00208	0.00426	-0.15163	-0.00204	-0.01316	0.00032	-0.00034
#2	0.00041	0.00034	-0.00209	0.00603	-0.13829	-0.00200	-0.01316	0.00056	0.00060
Mean	**-0.00016**	**0.00018**	**-0.00208**	**0.00514**	**-0.14496**	**-0.00202**	**-0.01316**	**0.00044**	**0.00013**
%RSD	495.88441	120.72442	0.34442	24.30574	6.50593	1.42720	0.00000	39.69581	512.27259

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.03390	-0.00209	-0.01444	-0.00290	0.00111	-0.03563	-0.00262	-0.00554	-0.00110
#2	-0.03212	-0.00136	-0.00552	0.00132	-0.00352	-0.02982	0.00059	-0.00454	0.00126
Mean	**-0.03301**	**-0.00173**	**-0.00998**	**-0.00079**	**-0.00121**	**-0.03272**	**-0.00102**	**-0.00504**	**0.00008**
%RSD	3.82874	29.66466	63.20019	376.68014	270.82107	12.55467	223.48062	14.04055	2031.93486

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.02731	-0.00178	-0.00359	-0.00225	-0.00155	-0.00269	-0.01687	-0.00001	-0.00187
#2	-0.02559	0.00036	-0.00344	-0.00495	-0.00152	-0.00014	-0.00382	0.00069	-0.00099
Mean	**-0.02645**	**-0.00071**	**-0.00351**	**-0.00360**	**-0.00153**	**-0.00141**	**-0.01034**	**0.00034**	**-0.00143**
%RSD	4.60407	212.89169	3.00909	53.14764	1.18994	127.49388	89.23110	145.19123	43.86579

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00014	-0.00023	-0.00258
#2	0.00085	-0.00191	-0.00067
Mean	**0.00049**	**-0.00107**	**-0.00162**
%RSD	102.08057	111.00052	83.15993

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:18
SampleId1 : 1110158-4 2X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 14:57:17
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE71

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	0.00004	0.01622	0.00636	0.08910	0.01615	0.00018	0.00218	251.86416	0.00003
#2	0.00024	0.00575	0.00027	0.08732	0.01601	0.00013	-0.00006	251.51148	-0.00026
Mean	**0.00014**	**0.01099**	**0.00331**	**0.08821**	**0.01608**	**0.00015**	**0.00106**	**251.68782**	**-0.00012**
%RSD	98.59833	67.40219	129.83698	1.42355	0.63858	22.95926	149.04330	0.09908	175.34319

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00077	0.00010	-0.00141	-0.00468	29.46261	0.02385	33.21900	0.00081	0.42849
#2	-0.00008	0.00053	-0.00133	-0.00531	29.33825	0.02374	33.15608	0.00081	0.43023
Mean	**-0.00042**	**0.00031**	**-0.00137**	**-0.00500**	**29.40043**	**0.02379**	**33.18754**	**0.00081**	**0.42936**
%RSD	116.27775	97.97762	4.26593	8.83087	0.29910	0.32611	0.13406	0.00000	0.28567

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.83259	-0.00061	0.12347	0.00092	-0.00111	248.54558	0.00136	0.01045	0.01107
#2	50.53634	-0.00023	0.11840	0.00157	-0.00233	248.11150	0.00137	0.01001	0.00986
Mean	**50.68446**	**-0.00042**	**0.12094**	**0.00124**	**-0.00172**	**248.32854**	**0.00137**	**0.01023**	**0.01046**
%RSD	0.41331	63.68300	2.96126	36.69634	49.84213	0.12360	0.53162	3.01188	8.22863

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.14742	0.00036	2.14435	-0.02457	-0.00227	-0.00086	0.01670	0.00095	-0.00069
#2	9.12208	-0.00035	2.13807	-0.03327	-0.00235	0.00078	0.02229	0.00077	-0.00039
Mean	**9.13475**	**0.00000**	**2.14121**	**-0.02892**	**-0.00231**	**-0.00004**	**0.01950**	**0.00086**	**-0.00054**
%RSD	0.19614	14586.94770	0.20757	21.28174	2.37221	2909.75319	20.28751	15.24628	38.51527

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00111	-0.00044	0.01086
#2	0.00186	-0.00103	0.00991
Mean	**0.00148**	**-0.00073**	**0.01039**
%RSD	35.87427	57.26748	6.51758

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:18
SampleId1 : 1110158-5 2X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 14:59:08
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE72

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00005	0.00908	0.00227	0.08953	0.01604	0.00017	0.00411	255.30524	0.00004
#2	-0.00064	-0.00235	0.00284	0.08704	0.01608	0.00011	-0.00231	255.79909	0.00002
Mean	**-0.00030**	**0.00337**	**0.00255**	**0.08828**	**0.01606**	**0.00014**	**0.00090**	**255.55217**	**0.00003**
%RSD	164.19353	239.90568	15.79845	1.99137	0.15983	28.91140	504.98062	0.13665	54.13215

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00039	0.00013	-0.00123	-0.00645	29.56490	0.02386	33.46398	0.00064	0.43319

#2	-0.00108	-0.00119	-0.00165	-0.00895	29.57912	0.02393	33.54830	0.00040	0.43507
Mean	**-0.00074**	**-0.00053**	**-0.00144**	**-0.00770**	**29.57201**	**0.02389**	**33.50614**	**0.00052**	**0.43413**
%RSD	66.53907	175.27955	20.75196	22.91938	0.03399	0.18555	0.17796	33.43857	0.30608

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.63581	-0.00001	0.11045	0.00149	-0.00312	250.48405	0.00415	0.01066	0.00542
#2	50.73112	-0.00118	0.10876	-0.00613	-0.00113	251.75938	-0.00166	0.00052	0.01179
Mean	**50.68347**	**-0.00059**	**0.10960**	**-0.00232**	**-0.00212**	**251.12171**	**0.00124**	**0.00559**	**0.00860**
%RSD	0.13297	138.98540	1.08911	232.45931	66.27155	0.35911	330.50861	128.16020	52.39441

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.21432	0.00570	2.16187	-0.03319	-0.00248	0.00232	0.01049	0.00117	-0.00010
#2	9.23991	0.00463	2.16398	-0.03133	-0.00277	0.00258	-0.00381	0.00021	-0.00187
Mean	**9.22712**	**0.00516**	**2.16292**	**-0.03226**	**-0.00263**	**0.00245**	**0.00334**	**0.00069**	**-0.00099**
%RSD	0.19611	14.61458	0.06898	4.08184	7.64387	7.61663	302.57964	98.41379	127.18085

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00076	-0.00158	0.00716
#2	-0.00006	-0.00279	0.00804
Mean	**0.00035**	**-0.00219**	**0.00760**
%RSD	165.84148	39.03791	8.14153

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:19
SampleId1 : 1110158-6 2X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 15:01:00
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE73

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00074	0.02984	0.00151	0.08889	0.01597	0.00015	0.00218	254.48935	-0.00020
#2	0.00011	0.02900	0.00293	0.08881	0.01597	0.00015	-0.00054	255.19174	-0.00018
Mean	**-0.00032**	**0.02942**	**0.00222**	**0.08885**	**0.01597**	**0.00015**	**0.00082**	**254.84054**	**-0.00019**
%RSD	189.44171	2.03713	45.41482	0.05653	0.00000	2.54554	235.53072	0.19489	9.45816

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00121	-0.00030	-0.00156	0.01091	29.47124	0.02378	33.40986	0.00048	0.43355
#2	-0.00102	0.00027	-0.00183	0.01164	29.31033	0.02363	33.28066	0.00073	0.43232
Mean	**-0.00112**	**-0.00001**	**-0.00170**	**0.01128**	**29.39078**	**0.02370**	**33.34526**	**0.00060**	**0.43294**
%RSD	11.96732	3714.51398	11.28468	4.56397	0.38713	0.45824	0.27398	28.88537	0.20068

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.39745	-0.00095	0.12033	-0.00313	0.00126	250.31311	0.00152	0.00679	0.00857
#2	50.26520	-0.00140	0.12974	0.00098	-0.00136	249.44761	0.00036	0.00097	0.01301

Mean	**50.33133**	**-0.00118**	**0.12504**	**-0.00107**	**-0.00005**	**249.88036**	**0.00094**	**0.00388**	**0.01079**
%RSD	0.18580	26.52293	5.31927	270.98959	3640.71872	0.24492	87.24366	106.06850	29.09850

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.18284	0.00356	2.15891	-0.03286	-0.00248	-0.00286	-0.00755	0.00010	-0.00069
#2	9.16409	-0.00213	2.14817	-0.02487	-0.00230	0.00368	0.00612	0.00077	-0.00128
Mean	**9.17346**	**0.00072**	**2.15354**	**-0.02887**	**-0.00239**	**0.00041**	**-0.00071**	**0.00044**	**-0.00099**
%RSD	0.14456	562.89312	0.35285	19.56923	5.60042	1130.39001	1356.81259	107.97799	42.39350

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00043	-0.00021	0.00798
#2	-0.00079	-0.00058	0.00900
Mean	**-0.00061**	**-0.00039**	**0.00849**
%RSD	41.90107	67.04435	8.51655

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:19
SampleId1 : 1110158-7 2X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 15:02:51
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE74

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00078	0.00642	0.00445	0.08839	0.01717	0.00015	-0.00311	248.09880	-0.00067
#2	0.00011	0.00516	0.00597	0.08619	0.01710	0.00013	0.00266	248.67306	-0.00056
Mean	**-0.00034**	**0.00579**	**0.00521**	**0.08729**	**0.01713**	**0.00014**	**-0.00023**	**248.38593**	**-0.00062**
%RSD	187.82019	15.40992	20.62535	1.78388	0.29968	9.29197	1802.29997	0.16348	12.77413

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00083	-0.00006	-0.00182	-0.01092	17.56365	0.02311	33.03612	0.00155	0.42437
#2	0.00005	-0.00007	-0.00148	-0.01019	17.42079	0.02295	32.87633	0.00146	0.42365
Mean	**-0.00039**	**-0.00007**	**-0.00165**	**-0.01056**	**17.49222**	**0.02303**	**32.95623**	**0.00151**	**0.42401**
%RSD	160.72474	7.85157	14.41964	4.87435	0.57751	0.49091	0.34285	3.85475	0.12053

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.17910	-0.00048	0.42130	0.00095	-0.00073	243.81571	-0.00177	0.00756	0.01122
#2	48.86043	-0.00004	0.43290	-0.00093	-0.00301	243.10608	0.00063	0.00812	0.00699
Mean	**49.01976**	**-0.00026**	**0.42710**	**0.00001**	**-0.00187**	**243.46090**	**-0.00057**	**0.00784**	**0.00910**
%RSD	0.45967	118.92365	1.91955	9232.16397	86.48556	0.20611	300.07410	5.06116	32.82417

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.04633	0.00107	2.13811	-0.02646	-0.00277	-0.00433	-0.01313	0.00002	-0.00039
#2	9.00885	0.00392	2.12250	-0.02599	-0.00250	0.00331	0.00055	0.00102	-0.00128
Mean	**9.02759**	**0.00249**	**2.13030**	**-0.02623**	**-0.00264**	**-0.00051**	**-0.00629**	**0.00052**	**-0.00084**

%RSD	0.29351	80.67960	0.51834	1.26973	7.15716	1056.78410	153.67413	134.70113	74.80195

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00086	-0.00017	0.01000
#2	-0.00061	-0.00232	0.00737
Mean	**-0.00074**	**-0.00124**	**0.00868**
%RSD	24.25537	122.52191	21.42909

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:19
SampleId1 : 1110158-8 2X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 15:04:43
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE75

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00022	0.00815	0.00008	0.08810	0.01735	0.00022	-0.00215	254.36792	-0.00056
#2	-0.00048	0.00557	0.00369	0.08725	0.01732	0.00019	-0.00311	253.82772	-0.00032
Mean	**-0.00035**	**0.00686**	**0.00189**	**0.08768**	**0.01733**	**0.00020**	**-0.00263**	**254.09782**	**-0.00044**
%RSD	51.76505	26.55348	135.32996	0.68746	0.14811	9.70806	25.75527	0.15033	38.20404

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00096	-0.00049	-0.00172	-0.00770	17.67113	0.02330	33.47405	0.00155	0.43478
#2	-0.00070	-0.00067	-0.00199	-0.00780	17.51871	0.02313	33.36750	0.00163	0.43189
Mean	**-0.00083**	**-0.00058**	**-0.00186**	**-0.00775**	**17.59492**	**0.02322**	**33.42077**	**0.00159**	**0.43333**
%RSD	21.48602	21.80228	10.20232	0.94857	0.61254	0.53471	0.22544	3.65548	0.47176

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.41838	-0.00077	0.43628	-0.00453	-0.00027	247.72948	-0.00064	0.01350	0.01036
#2	48.93289	-0.00149	0.44570	-0.00077	-0.00083	247.41060	0.00105	0.00371	0.01079
Mean	**49.17564**	**-0.00113**	**0.44099**	**-0.00265**	**-0.00055**	**247.57004**	**0.00021**	**0.00860**	**0.01057**
%RSD	0.69810	45.39785	1.51062	100.23432	72.25517	0.09108	581.04115	80.45367	2.87307

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.15158	0.00036	2.16618	-0.03281	-0.00273	0.00211	-0.02307	0.00040	-0.00099
#2	9.11278	-0.00106	2.15784	-0.03557	-0.00261	0.00248	-0.01313	0.00065	-0.00069
Mean	**9.13218**	**-0.00035**	**2.16201**	**-0.03419**	**-0.00267**	**0.00230**	**-0.01810**	**0.00052**	**-0.00084**
%RSD	0.30046	285.97907	0.27296	5.70663	2.96270	11.34755	38.84467	34.87867	24.93396

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00064	-0.00169	0.01140
#2	-0.00033	-0.00081	0.00843
Mean	**-0.00049**	**-0.00125**	**0.00992**
%RSD	45.82876	49.66031	21.20200

ted: 10/17/2011 09:56:28 User: MIKE LUNDGREEN
Method : Paragon File : 111014A Printed : 10/17/2011 09:56:19
SampleId1 : 1110158-9 2X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 15:06:34
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE76

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00054	0.01194	0.00179	0.08683	0.01710	0.00022	-0.00455	246.85398	-0.00078
#2	-0.00058	0.01157	0.00075	0.08690	0.01702	0.00016	-0.00311	246.61582	-0.00027
Mean	**-0.00056**	**0.01175**	**0.00127**	**0.08686**	**0.01706**	**0.00019**	**-0.00383**	**246.73490**	**-0.00052**
%RSD	4.89544	2.23929	58.24103	0.05783	0.30095	19.82573	26.53101	0.06825	69.55615

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00058	-0.00024	-0.00182	-0.01123	17.56164	0.02304	32.82433	0.00138	0.42350
#2	-0.00089	-0.00075	-0.00199	-0.01123	17.42606	0.02294	32.71907	0.00138	0.42170
Mean	**-0.00074**	**-0.00050**	**-0.00191**	**-0.01123**	**17.49385**	**0.02299**	**32.77170**	**0.00138**	**0.42260**
%RSD	30.41046	73.13951	6.04608	0.00000	0.54803	0.29889	0.22712	0.00000	0.30233

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	48.99961	-0.00105	0.43169	-0.00051	-0.00238	242.09406	0.00235	0.00790	0.00985
#2	48.63075	-0.00272	0.43024	0.00193	-0.00035	241.14186	0.00131	0.01493	0.01286
Mean	**48.81518**	**-0.00188**	**0.43097**	**0.00071**	**-0.00137**	**241.61796**	**0.00183**	**0.01142**	**0.01136**
%RSD	0.53430	62.64449	0.23780	242.49380	104.71615	0.27866	40.16557	43.57133	18.72678

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.98882	-0.00071	2.13322	-0.03427	-0.00288	-0.00169	-0.00567	0.00065	-0.00187
#2	8.95557	0.00214	2.12598	-0.02620	-0.00258	-0.00161	-0.01934	0.00028	-0.00187
Mean	**8.97219**	**0.00072**	**2.12960**	**-0.03024**	**-0.00273**	**-0.00165**	**-0.01251**	**0.00047**	**-0.00187**
%RSD	0.26203	281.24987	0.24019	18.85847	7.80050	3.56421	77.31068	55.80088	0.00000

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00050	-0.00176	0.00920
#2	-0.00102	0.00041	0.01355
Mean	**-0.00076**	**-0.00068**	**0.01138**
%RSD	48.63157	226.30812	27.02775

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:19
SampleId1 : 1110158-10 2X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 15:08:25
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE77

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00012	0.01248	0.00160	0.08747	0.01517	0.00025	0.00201	245.09089	0.00015
#2	-0.00027	0.01452	0.00084	0.08775	0.01528	0.00026	-0.00264	244.26485	-0.00037
Mean	**-0.00019**	**0.01350**	**0.00122**	**0.08761**	**0.01523**	**0.00026**	**-0.00031**	**244.67787**	**-0.00011**
%RSD	54.86692	10.69415	44.00459	0.22934	0.50577	0.30803	1047.17105	0.23872	329.21604

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00020	-0.00043	-0.00215	-0.01134	28.68088	0.02335	33.11707	0.00040	0.42733
#2	-0.00008	-0.00046	-0.00189	-0.01134	28.87772	0.02350	33.25843	0.00032	0.43167
Mean	**-0.00014**	**-0.00044**	**-0.00202**	**-0.01134**	**28.77930**	**0.02342**	**33.18775**	**0.00036**	**0.42950**
%RSD	64.72767	4.66161	9.08497	0.00000	0.48364	0.43534	0.30118	16.27799	0.71394

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.43790	-0.00020	0.96673	0.00002	-0.00276	244.62932	0.00204	0.00986	0.00771
#2	49.64609	-0.00039	0.95825	0.00063	-0.00294	246.04698	0.00048	0.00392	0.00864
Mean	**49.54199**	**-0.00029**	**0.96249**	**0.00032**	**-0.00285**	**245.33815**	**0.00126**	**0.00689**	**0.00817**
%RSD	0.29714	45.50116	0.62278	133.53138	4.47475	0.40859	87.87093	61.01316	8.05606

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.07181	0.00072	2.10116	-0.02871	-0.00249	-0.00298	-0.02991	0.00039	-0.00128
#2	9.10190	0.00107	2.11380	-0.03131	-0.00276	-0.00043	-0.02928	0.00080	-0.00069
Mean	**9.08685**	**0.00089**	**2.10748**	**-0.03001**	**-0.00263**	**-0.00171**	**-0.02960**	**0.00060**	**-0.00099**
%RSD	0.23414	28.18795	0.42428	6.12779	7.18060	105.41664	1.48483	48.09830	42.39350

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00072	-0.00183	0.00842
#2	-0.00078	-0.00175	0.00707
Mean	**-0.00075**	**-0.00179**	**0.00774**
%RSD	5.19270	3.24099	12.40204

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:20
SampleId1 : 1110158-11 2X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 15:10:16
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE78

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00066	0.01874	-0.00049	0.08889	0.01557	0.00031	-0.00889	246.61409	-0.00052
#2	-0.00018	0.01869	-0.00001	0.08739	0.01554	0.00026	0.00170	247.66941	-0.00017
Mean	**-0.00042**	**0.01872**	**-0.00025**	**0.08814**	**0.01555**	**0.00028**	**-0.00360**	**247.14175**	**-0.00035**
%RSD	80.69916	0.18057	133.68060	1.19675	0.16505	11.98604	208.05950	0.30194	70.75319

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00026	-0.00057	-0.00249	-0.00926	29.13219	0.02379	33.49796	0.00032	0.43167
#2	-0.00064	-0.00006	-0.00165	-0.00905	28.95433	0.02360	33.41196	0.00040	0.43391
Mean	**-0.00045**	**-0.00032**	**-0.00207**	**-0.00915**	**29.04326**	**0.02369**	**33.45496**	**0.00036**	**0.43279**
%RSD	59.07085	113.18179	28.91158	1.60623	0.43302	0.57076	0.18177	16.27799	0.36607

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.10722	-0.00083	0.99265	-0.00100	-0.00037	246.61004	0.00094	0.00556	0.00792
#2	49.88108	-0.00039	0.97957	0.00121	-0.00262	245.74703	0.00198	0.00955	0.01050
Mean	**49.99415**	**-0.00061**	**0.98611**	**0.00011**	**-0.00149**	**246.17854**	**0.00146**	**0.00755**	**0.00921**
%RSD	0.31984	51.22834	0.93796	1460.39801	106.85750	0.24788	50.63119	37.31527	19.79030

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.16129	-0.00284	2.12918	-0.03301	-0.00271	0.00565	-0.03923	0.00039	-0.00010
#2	9.15442	0.00214	2.12156	-0.02658	-0.00254	0.00276	-0.01126	0.00088	-0.00128
Mean	**9.15786**	**-0.00035**	**2.12537**	**-0.02980**	**-0.00262**	**0.00420**	**-0.02525**	**0.00064**	**-0.00069**
%RSD	0.05300	1000.66776	0.25349	15.26855	4.64025	48.64685	78.32680	53.50191	121.08455

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00081	-0.00058	0.00714
#2	-0.00088	-0.00135	0.01018
Mean	**-0.00084**	**-0.00096**	**0.00866**
%RSD	5.20854	56.75652	24.88059

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:20
SampleId1 : 1110158-12 2X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 15:12:08
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE79

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00047	0.02761	0.00379	0.08690	0.01506	0.00023	-0.00087	240.55702	-0.00027
#2	-0.00032	0.02500	-0.00087	0.08569	0.01525	0.00023	0.00025	240.04553	-0.00046
Mean	**0.00007**	**0.02630**	**0.00146**	**0.08629**	**0.01515**	**0.00023**	**-0.00031**	**240.30127**	**-0.00037**
%RSD	753.91465	7.00119	225.64105	0.98953	0.84699	2.40969	255.37406	0.15051	37.67028

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00052	0.00000	-0.00216	-0.01051	28.78741	0.02331	32.83355	0.00032	0.42278
#2	-0.00058	-0.00014	-0.00181	-0.01030	28.84550	0.02336	32.85704	0.00040	0.42625
Mean	**-0.00055**	**-0.00007**	**-0.00199**	**-0.01040**	**28.81646**	**0.02333**	**32.84530**	**0.00036**	**0.42452**
%RSD	8.04061	135.83849	12.48351	1.41355	0.14254	0.16150	0.05056	16.27799	0.57785

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	49.51289	-0.00020	0.98829	0.00227	-0.00175	241.38169	-0.00018	0.00668	0.00892
#2	49.52251	-0.00190	0.97666	-0.00145	0.00035	241.88732	0.00123	0.00690	0.01279
Mean	**49.51770**	**-0.00105**	**0.98247**	**0.00041**	**-0.00070**	**241.63450**	**0.00053**	**0.00679**	**0.01086**
%RSD	0.01374	114.58250	0.83681	639.63929	211.40013	0.14796	188.52142	2.25144	25.18743

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.98189	0.00107	2.08573	-0.02419	-0.00240	-0.00006	-0.01561	0.00039	0.00167
#2	8.98411	-0.00889	2.09885	-0.02914	-0.00259	0.00402	-0.02058	0.00051	0.00049
Mean	**8.98300**	**-0.00391**	**2.09229**	**-0.02667**	**-0.00249**	**0.00198**	**-0.01810**	**0.00045**	**0.00108**
%RSD	0.01751	180.15629	0.44345	13.11398	5.36850	145.87496	19.42468	17.42801	77.19338

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00121	-0.00041	0.00818
#2	-0.00100	-0.00025	0.01083
Mean	**-0.00111**	**-0.00033**	**0.00950**
%RSD	13.26161	34.25954	19.73167

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:20
SampleId1 : IP111013-9MB SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 15:13:59
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE80

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00022	0.01165	0.00217	-0.00906	-0.00047	0.00011	-0.00200	-0.01125	-0.00062
#2	0.00017	0.01651	-0.00210	-0.00806	-0.00036	0.00013	-0.00055	-0.00993	-0.00037
Mean	**-0.00003**	**0.01408**	**0.00003**	**-0.00856**	**-0.00042**	**0.00012**	**-0.00127**	**-0.01059**	**-0.00050**
%RSD	1031.36269	24.38954	8949.37476	8.21161	18.38619	9.90843	80.50578	8.75370	36.52746

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00079	-0.00121	-0.00329	-0.00936	-0.19213	-0.00227	-0.04945	-0.00001	-0.00142
#2	-0.00029	-0.00006	-0.00234	-0.00915	-0.18966	-0.00227	-0.04120	-0.00009	-0.00099
Mean	**-0.00054**	**-0.00064**	**-0.00281**	**-0.00926**	**-0.19090**	**-0.00227**	**-0.04532**	**-0.00005**	**-0.00121**
%RSD	65.95658	127.30653	23.73474	1.58819	0.91483	0.19545	12.86658	107.78318	25.39649

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01516	-0.00196	-0.00576	-0.00188	-0.00160	0.00795	-0.00422	-0.00279	0.00026
#2	-0.01572	-0.00243	0.00195	0.00222	-0.00169	0.01085	-0.00309	-0.00653	-0.00010
Mean	**-0.01544**	**-0.00220**	**-0.00190**	**0.00017**	**-0.00164**	**0.00940**	**-0.00365**	**-0.00466**	**0.00008**
%RSD	2.57292	15.19039	286.56860	1727.82986	3.63022	21.85278	22.00961	56.63822	318.93761

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.02796	-0.00035	-0.00358	0.00157	-0.00168	0.00402	-0.02307	-0.00060	-0.00099

#2	-0.02526	0.00143	-0.00351	0.00134	-0.00162	0.00076	-0.01002	-0.00042	-0.00158
Mean	**-0.02661**	**0.00054**	**-0.00354**	**0.00145**	**-0.00165**	**0.00239**	**-0.01655**	**-0.00051**	**-0.00128**
%RSD	7.16912	234.51226	1.39239	11.38081	2.94980	96.48928	55.77318	25.59261	32.61616

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00120	-0.00169	-0.00076
#2	-0.00081	-0.00039	-0.00224
Mean	**-0.00100**	**-0.00104**	**-0.00150**
%RSD	27.17780	89.01396	69.91495

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:20
SampleId1 : CCV SampleId2 : [CV]
Analysis commenced : 10/14/2011 15:15:50
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD6

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.19865	49.66529	0.50313	1.01049	0.98066	0.47627	0.52201	50.21483	0.51631
#2	0.19714	49.80754	0.50294	1.00978	0.98367	0.47596	0.52681	50.21765	0.51553
Mean	**0.19790**	**49.73641**	**0.50303**	**1.01014**	**0.98216**	**0.47611**	**0.52441**	**50.21624**	**0.51592**
%RSD	0.54005	0.20224	0.02690	0.04985	0.21672	0.04619	0.64776	0.00396	0.10640

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49240	0.99047	1.03497	19.47704	51.69006	0.51138	49.46316	0.96369	1.01534
#2	0.49209	0.99218	1.03723	19.48518	51.72448	0.51217	49.45132	0.96336	1.01252
Mean	**0.49224**	**0.99132**	**1.03610**	**19.48111**	**51.70727**	**0.51178**	**49.45724**	**0.96352**	**1.01393**
%RSD	0.04484	0.12203	0.15422	0.02955	0.04708	0.10952	0.01693	0.02440	0.19709

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.67641	1.04225	4.89254	0.98176	0.95856	4.93905	0.49648	0.96536	0.94368
#2	49.79263	1.03853	4.88883	0.98137	0.96249	4.91566	0.49872	0.96292	0.94354
Mean	**49.73452**	**1.04039**	**4.89069**	**0.98156**	**0.96053**	**4.92735**	**0.49760**	**0.96414**	**0.94361**
%RSD	0.16523	0.25313	0.05356	0.02851	0.28972	0.33562	0.31835	0.17877	0.01064

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.70970	1.02821	0.49556	0.31452	0.46075	0.51497	4.97967	0.48825	0.94332
#2	4.72710	1.02143	0.49601	0.31363	0.46076	0.51761	4.97655	0.48881	0.94332
Mean	**4.71840**	**1.02482**	**0.49579**	**0.31407**	**0.46075**	**0.51629**	**4.97811**	**0.48853**	**0.94332**
%RSD	0.26066	0.46817	0.06471	0.20058	0.00132	0.36096	0.04427	0.08061	0.00000

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.98613	0.96629	0.95090
#2	0.98766	0.96878	0.94999

Mean	**0.98689**	**0.96753**	**0.95044UNDGREEN**
%RSD	0.10969	0.18221	0.06744

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:20
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 10/14/2011 15:17:46
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD2

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00013	0.05402	-0.00011	-0.00728	0.00029	0.00038	0.00234	-0.00286	0.00018
#2	-0.00028	0.06175	-0.00372	-0.00728	0.00051	0.00044	-0.00279	0.01340	0.00034
Mean	**-0.00021**	**0.05788**	**-0.00191**	**-0.00728**	**0.00040**	**0.00041**	**-0.00023**	**0.00527**	**0.00026**
%RSD	50.89299	9.43903	133.38465	0.00000	38.70165	10.69114	1594.05077	217.98890	44.83698

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00060	0.00005	-0.00225	0.00831	-0.17213	-0.00203	-0.00862	0.00048	-0.00113
#2	-0.00060	0.00066	-0.00190	0.01195	-0.15756	-0.00196	0.00334	0.00064	-0.00070
Mean	**-0.00060**	**0.00036**	**-0.00208**	**0.01013**	**-0.16484**	**-0.00199**	**-0.00264**	**0.00056**	**-0.00092**
%RSD	0.05055	120.22260	11.84353	25.39537	6.25084	2.44757	319.78664	20.66377	33.39190

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.03089	-0.00215	-0.00937	-0.00349	0.00297	-0.03272	-0.00137	0.00360	0.00220
#2	-0.02277	-0.00051	-0.00094	0.00205	0.00114	-0.01529	-0.00389	0.00062	0.00019
Mean	**-0.02683**	**-0.00133**	**-0.00516**	**-0.00072**	**0.00206**	**-0.02401**	**-0.00263**	**0.00211**	**0.00119**
%RSD	21.40075	86.87578	115.66885	543.08414	62.89578	51.33686	67.80784	99.63181	118.77346

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.02700	-0.00178	-0.00344	-0.00320	-0.00143	0.00313	-0.01314	0.00018	-0.00158
#2	-0.02547	0.00178	-0.00323	-0.00254	-0.00149	-0.00250	-0.01439	0.00040	-0.00158
Mean	**-0.02623**	**0.00000**	**-0.00334**	**-0.00287**	**-0.00146**	**0.00031**	**-0.01376**	**0.00029**	**-0.00158**
%RSD	4.10952	102122.57768	4.43945	16.17611	2.92416	1280.22524	6.39880	54.67788	0.00000

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00019	0.00082	0.00266
#2	0.00049	0.00144	0.00034
Mean	**0.00034**	**0.00113**	**0.00150**
%RSD	63.81946	39.05443	109.79784

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:21
SampleId1 : IP111013-9LCS **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 15:19:42
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE81

Final concentrations **56:28** **User: MIKE LUNDGREEN**

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00009	0.01051	0.00037	-0.00870	-0.00026	0.00012	-0.00151	39.30575	0.00014
#2	-0.00043	0.01310	0.00018	-0.00799	-0.00018	0.00015	-0.00360	39.17991	-0.00026
Mean	**-0.00026**	**0.01181**	**0.00027**	**-0.00835**	**-0.00022**	**0.00014**	**-0.00255**	**39.24283**	**-0.00006**
%RSD	94.19891	15.50595	49.53057	6.01512	23.42361	13.72264	57.70889	0.22674	462.28496

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00042	-0.00020	-0.00251	-0.00780	39.67627	0.48766	39.17713	0.00138	-0.00128
#2	-0.00079	-0.00075	-0.00224	-0.00635	39.55282	0.48583	39.05345	0.00146	-0.00214
Mean	**-0.00060**	**-0.00047**	**-0.00237**	**-0.00707**	**39.61455**	**0.48675**	**39.11529**	**0.00142**	**-0.00171**
%RSD	44.29679	80.98747	7.98684	14.54861	0.22035	0.26557	0.22360	4.07700	35.79433

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	37.71683	-0.00146	9.94477	-0.00082	-0.00021	-0.02691	-0.00343	0.00084	-0.00275
#2	37.56385	-0.00281	9.88281	-0.00291	-0.00061	-0.02401	-0.00412	-0.01050	-0.00139
Mean	**37.64034**	**-0.00214**	**9.91379**	**-0.00186**	**-0.00041**	**-0.02546**	**-0.00377**	**-0.00483**	**-0.00207**
%RSD	0.28739	44.82987	0.44195	79.04036	68.09929	8.06799	12.90867	166.05587	46.53033

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.03003	-0.00178	-0.00367	-0.03897	-0.00146	0.00003	-0.01996	-0.00042	-0.00246
#2	-0.03056	-0.00320	-0.00357	-0.03137	-0.00137	-0.00107	-0.02991	-0.00071	-0.00217
Mean	**-0.03030**	**-0.00249**	**-0.00362**	**-0.03517**	**-0.00141**	**-0.00052**	**-0.02494**	**-0.00057**	**-0.00232**
%RSD	1.24127	40.44817	1.94803	15.27636	4.73497	149.04867	28.19790	36.92259	9.02385

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00181	-0.00042	-0.00155
#2	0.00106	-0.00137	-0.00442
Mean	**0.00144**	**-0.00089**	**-0.00299**
%RSD	36.83296	75.69735	67.91400

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:21
SampleId1 : 1110158-13 2X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 15:21:34
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE82

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00052	0.01057	0.00350	0.08896	0.01586	0.00020	-0.00424	245.20273	-0.00030
#2	0.00003	0.01292	0.00464	0.08995	0.01575	0.00017	-0.00200	246.05225	-0.00050
Mean	**-0.00024**	**0.01175**	**0.00407**	**0.08945**	**0.01581**	**0.00018**	**-0.00312**	**245.62749**	**-0.00040**
%RSD	157.71826	14.12061	19.80039	0.78611	0.48719	9.33763	50.94008	0.24456	35.19652

ted: 10/17/2011 09:56:28 User: MIKE LUNDGREEN

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00096	-0.00063	-0.00197	-0.00843	29.46515	0.02432	33.75514	0.00212	0.42502
#2	-0.00045	-0.00066	-0.00172	-0.00926	29.40195	0.02403	33.77486	0.00212	0.42430
Mean	**-0.00071**	**-0.00064**	**-0.00185**	**-0.00884**	**29.43355**	**0.02418**	**33.76500**	**0.00212**	**0.42466**
%RSD	50.56898	3.79768	9.66258	6.65157	0.15183	0.84357	0.04130	0.00000	0.12034

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.71460	0.00008	0.24144	-0.00621	-0.00019	248.12634	0.00054	0.01084	0.00964
#2	50.59087	-0.00092	0.24144	-0.00163	0.00068	249.33621	-0.00336	0.01019	0.00814
Mean	**50.65273**	**-0.00042**	**0.24144**	**-0.00392**	**0.00025**	**248.73127**	**-0.00141**	**0.01052**	**0.00889**
%RSD	0.17273	169.82144	0.00000	82.65553	248.65149	0.34395	195.18350	4.38281	11.96701

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.30306	0.00107	2.12761	-0.03430	-0.00268	-0.00216	-0.03985	0.00032	0.00049
#2	9.31450	0.00249	2.12812	-0.02996	-0.00267	-0.00071	-0.02929	0.00003	0.00108
Mean	**9.30878**	**0.00178**	**2.12787**	**-0.03213**	**-0.00268**	**-0.00143**	**-0.03457**	**0.00017**	**0.00079**
%RSD	0.08691	56.44522	0.01700	9.54489	0.22717	71.91926	21.61173	120.82232	53.08442

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00017	-0.00219	0.01004
#2	0.00005	-0.00009	0.00882
Mean	**0.00011**	**-0.00114**	**0.00943**
%RSD	71.61078	130.56287	9.15061

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:21
SampleId1 : 1110158-13D 2X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 15:23:25
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE83

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00012	0.00802	0.00322	0.08619	0.01546	0.00011	0.00266	239.85103	-0.00046
#2	-0.00022	0.01022	-0.00039	0.08853	0.01554	0.00015	-0.00135	240.76195	-0.00029
Mean	**-0.00005**	**0.00912**	**0.00141**	**0.08736**	**0.01550**	**0.00013**	**0.00065**	**240.30649**	**-0.00037**
%RSD	466.00703	17.05108	180.87828	1.89742	0.33126	22.29256	434.95845	0.26804	31.03687

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00001	0.00005	-0.00138	-0.01009	28.70320	0.02316	32.97321	0.00212	0.41541
#2	-0.00052	-0.00095	-0.00155	-0.01082	29.29003	0.02362	33.38637	0.00212	0.42004
Mean	**-0.00026**	**-0.00045**	**-0.00147**	**-0.01045**	**28.99661**	**0.02339**	**33.17979**	**0.00212**	**0.41772**
%RSD	134.78141	158.60890	8.04317	4.92284	1.43103	1.39297	0.88050	0.00000	0.78297

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.40703	-0.00077	0.22696	0.00034	-0.00187	243.19107	0.00125	0.00668	0.00670
#2	50.32729	-0.00039	0.23275	-0.00003	-0.00178	245.88033	-0.00019	0.00040	0.00964
Mean	**49.86716**	**-0.00058**	**0.22986**	**0.00015**	**-0.00182**	**244.53570**	**0.00053**	**0.00354**	**0.00817**
%RSD	1.30491	46.30628	1.78160	173.61396	3.29004	0.77764	191.80786	125.49384	25.40760

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.09641	0.00036	2.07815	-0.02833	-0.00248	0.00475	-0.01499	0.00088	0.00197
#2	9.21586	-0.00177	2.11572	-0.03164	-0.00285	0.00093	-0.02369	0.00032	-0.00010
Mean	**9.15614**	**-0.00071**	**2.09694**	**-0.02998**	**-0.00267**	**0.00284**	**-0.01934**	**0.00060**	**0.00094**
%RSD	0.92249	213.24862	1.26701	7.79281	9.58724	95.03693	31.80607	65.58647	156.43493

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00039	-0.00113	0.00670
#2	-0.00035	-0.00120	0.00656
Mean	**-0.00037**	**-0.00117**	**0.00663**
%RSD	8.61807	4.09095	1.42091

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:21
SampleId1 : 1110158-13L 10X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 15:25:17
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE84

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00057	0.00738	0.00217	0.00010	0.00098	0.00006	-0.00424	20.08389	-0.00036
#2	-0.00153	0.00584	-0.00163	-0.00039	0.00091	0.00003	-0.00119	20.04366	-0.00077
Mean	**-0.00105**	**0.00661**	**0.00027**	**-0.00015**	**0.00094**	**0.00005**	**-0.00272**	**20.06377**	**-0.00057**
%RSD	64.15172	16.40358	990.52520	241.03771	5.44718	40.03911	79.25514	0.14177	51.13719

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00111	-0.00026	-0.00268	-0.01092	1.65663	-0.00063	2.88099	0.00007	0.03746
#2	-0.00085	-0.00084	-0.00285	-0.01019	1.65094	-0.00066	2.88140	-0.00009	0.03573
Mean	**-0.00098**	**-0.00055**	**-0.00277**	**-0.01056**	**1.65379**	**-0.00064**	**2.88120**	**-0.00001**	**0.03660**
%RSD	18.20362	74.81321	4.50026	4.87435	0.24330	2.75141	0.01014	906.28612	3.34558

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.49389	-0.00124	0.02100	0.00069	-0.00194	21.04586	-0.00264	0.00205	-0.00225
#2	3.50552	-0.00114	0.00894	-0.00049	0.00037	21.05778	-0.00414	-0.00356	0.00176
Mean	**3.49971**	**-0.00119**	**0.01497**	**0.00010**	**-0.00078**	**21.05182**	**-0.00339**	**-0.00076**	**-0.00024**
%RSD	0.23499	5.60835	56.93116	853.67673	207.69629	0.04006	31.23322	524.19819	1167.03838

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.78786	-0.00106	0.18236	-0.00749	-0.00203	-0.00216	-0.02493	-0.00001	-0.00069
#2	0.78709	-0.00213	0.18299	-0.00743	-0.00205	0.00039	-0.02183	-0.00068	-0.00276
Mean	**0.78748**	**-0.00160**	**0.18267**	**-0.00746**	**-0.00204**	**-0.00088**	**-0.02338**	**-0.00034**	**-0.00173**
%RSD	0.06943	47.23189	0.24417	0.52887	0.59729	203.66512	9.39584	136.47110	84.81500

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00052	-0.00106	-0.00082
#2	-0.00081	0.00008	-0.00001
Mean	**-0.00066**	**-0.00049**	**-0.00041**
%RSD	30.99741	164.70638	137.68614

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:21
SampleId1 : 1110158-13MS 2X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 15:27:08
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE85

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00012	0.01318	0.00255	0.08697	0.01568	0.00020	0.00346	261.25276	-0.00010
#2	0.00053	0.01464	-0.00020	0.08881	0.01564	0.00018	-0.00167	261.56566	-0.00022
Mean	**0.00033**	**0.01391**	**0.00117**	**0.08789**	**0.01566**	**0.00019**	**0.00089**	**261.40921**	**-0.00016**
%RSD	88.27868	7.39056	165.97039	1.48588	0.16390	9.69934	406.90223	0.08464	52.26301

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00014	0.00000	-0.00147	-0.00967	51.43696	0.30274	52.72918	0.00294	0.42040
#2	-0.00020	-0.00020	-0.00155	-0.00999	51.57100	0.30364	52.79949	0.00286	0.41808
Mean	**-0.00017**	**-0.00010**	**-0.00151**	**-0.00983**	**51.50398**	**0.30319**	**52.76434**	**0.00290**	**0.41924**
%RSD	26.30750	140.58099	3.82353	2.24369	0.18404	0.21127	0.09423	2.00068	0.39007

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	69.79344	-0.00111	5.10602	0.00137	-0.00296	244.58863	0.00015	-0.00180	0.00871
#2	69.95603	0.00030	5.09391	0.00028	-0.00324	245.07703	0.00162	0.01063	0.00728
Mean	**69.87474**	**-0.00040**	**5.09996**	**0.00082**	**-0.00310**	**244.83283**	**0.00088**	**0.00442**	**0.00799**
%RSD	0.16454	248.12252	0.16795	93.18799	6.57971	0.14106	117.76488	199.05781	12.67100

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.10867	0.00072	2.08950	-0.03722	-0.00246	-0.00170	-0.01996	0.00073	0.00138
#2	9.12321	0.00072	2.09594	-0.03907	-0.00242	0.00656	-0.02680	0.00051	0.00197
Mean	**9.11594**	**0.00072**	**2.09272**	**-0.03814**	**-0.00244**	**0.00243**	**-0.02338**	**0.00062**	**0.00167**
%RSD	0.11280	0.00495	0.21780	3.43971	1.24811	240.25109	20.67308	25.44347	24.96822

	Zr	**Pb**	**Se**
	ppm	calc	calc

#1	-0.00001	-0.00152	0.00521	**UNDGREEN**
#2	0.00001	-0.00207	0.00839	
Mean	**0.00000**	**-0.00179**	**0.00680**	
%RSD	538.04505	21.83327	33.10949	

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:21
SampleId1 : 1110158-13MSD 2X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 15:29:00
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE86

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00011	0.01703	-0.00115	0.08889	0.01575	0.00027	-0.00136	264.38928	-0.00010
#2	-0.00008	0.02145	0.00816	0.08988	0.01579	0.00024	0.00073	266.20781	-0.00042
Mean	**-0.00010**	**0.01924**	**0.00350**	**0.08938**	**0.01577**	**0.00026**	**-0.00031**	**265.29855**	**-0.00026**
%RSD	22.94001	16.21969	188.02007	0.78674	0.16277	6.96126	471.90414	0.48470	89.27837

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00071	-0.00042	-0.00206	-0.00978	52.23164	0.30840	53.42183	0.00286	0.42242
#2	-0.00071	0.00034	-0.00190	-0.01019	51.92302	0.30635	53.41081	0.00286	0.42430
Mean	**-0.00071**	**-0.00004**	**-0.00198**	**-0.00999**	**52.07733**	**0.30737**	**53.41632**	**0.00286**	**0.42336**
%RSD	0.04930	1395.90122	5.45937	2.94486	0.41904	0.47189	0.01458	0.00000	0.31386

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	70.59644	-0.00086	5.13247	-0.00243	0.00036	247.68498	0.00074	-0.00138	0.00971
#2	70.29006	-0.00036	5.11517	0.00187	-0.00164	247.65161	0.00109	0.00998	0.00706
Mean	**70.44325**	**-0.00061**	**5.12382**	**-0.00028**	**-0.00064**	**247.66829**	**0.00092**	**0.00430**	**0.00839**
%RSD	0.30754	58.54667	0.23884	1084.10541	222.13662	0.00953	27.09053	186.73472	22.34501

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.23066	0.00000	2.12118	-0.03894	-0.00259	0.00201	-0.04296	0.00028	-0.00010
#2	9.23383	-0.00355	2.11780	-0.03611	-0.00233	-0.00242	-0.01623	0.00084	-0.00039
Mean	**9.23224**	**-0.00178**	**2.11949**	**-0.03753**	**-0.00246**	**-0.00021**	**-0.02960**	**0.00056**	**-0.00025**
%RSD	0.02422	141.72200	0.11281	5.32790	7.42315	1521.14886	63.84664	69.86893	84.59129

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00032	-0.00057	0.00602
#2	-0.00021	-0.00047	0.00803
Mean	**-0.00026**	**-0.00052**	**0.00703**
%RSD	28.71745	13.57895	20.27818

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:22
SampleId1 : 1110158-14 2X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 15:30:51

Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE87

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00028	0.02096	0.00331	0.09031	0.01568	0.00031	0.00009	245.91580	-0.00018
#2	-0.00007	0.01906	0.00274	0.08981	0.01561	0.00028	-0.00055	245.53176	-0.00059
Mean	**0.00011**	**0.02001**	**0.00303**	**0.09006**	**0.01564**	**0.00030**	**-0.00023**	**245.72378**	**-0.00039**
%RSD	232.31552	6.70549	13.31876	0.39042	0.32818	6.58150	194.75685	0.11051	76.11538

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00090	-0.00017	-0.00137	-0.01071	29.16416	0.02354	33.49251	0.00196	0.42640
#2	-0.00071	-0.00011	-0.00129	-0.01092	29.22202	0.02356	33.53404	0.00196	0.42481
Mean	**-0.00080**	**-0.00014**	**-0.00133**	**-0.01082**	**29.19309**	**0.02355**	**33.51327**	**0.00196**	**0.42560**
%RSD	16.74281	28.02863	4.41811	1.35921	0.14014	0.06590	0.08763	0.00000	0.26417

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.82863	0.00012	0.24168	-0.00309	-0.00118	247.21783	0.00112	0.00689	0.00814
#2	49.92804	0.00021	0.22648	0.00315	-0.00243	246.87684	0.00099	-0.00610	0.00599
Mean	**49.87833**	**0.00016**	**0.23408**	**0.00003**	**-0.00181**	**247.04733**	**0.00105**	**0.00039**	**0.00706**
%RSD	0.14094	40.98571	4.59242	13279.51340	49.00425	0.09760	8.64074	2338.10789	21.51418

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.23959	0.00143	2.12031	-0.03049	-0.00260	0.00165	-0.03364	0.00073	0.00020
#2	9.25434	-0.00213	2.12184	-0.02953	-0.00276	-0.00170	-0.02866	0.00058	0.00020
Mean	**9.24696**	**-0.00035**	**2.12108**	**-0.03001**	**-0.00268**	**-0.00003**	**-0.03115**	**0.00065**	**0.00020**
%RSD	0.11279	714.87419	0.05080	2.26243	4.31618	9114.10327	11.28638	16.00756	0.00000

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00068	-0.00181	0.00772
#2	-0.00080	-0.00057	0.00196
Mean	**-0.00074**	**-0.00119**	**0.00484**
%RSD	11.86668	73.67332	84.09173

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:22
SampleId1 : 1110158-15 2X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 15:32:43
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE88

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00008	0.02249	0.00198	0.08874	0.01572	0.00030	-0.00167	241.23213	-0.00038
#2	0.00008	0.02458	0.00113	0.08789	0.01557	0.00029	-0.00279	241.55934	-0.00065

Mean	**0.00008**	**0.02353**	**0.00155**	**0.08832**	**0.01564**	**0.00030**	**-0.00223**	**241.39573**	**-0.00052**
%RSD	0.88555	6.28279	38.91121	0.68248	0.65636	4.10093	35.49033	0.09585	37.53425

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00033	0.00023	-0.00155	-0.01009	29.27886	0.02351	33.27185	0.00196	0.41888
#2	-0.00058	-0.00066	-0.00181	-0.01061	29.24892	0.02355	33.32009	0.00179	0.42488
Mean	**-0.00045**	**-0.00022**	**-0.00168**	**-0.01035**	**29.26389**	**0.02353**	**33.29597**	**0.00187**	**0.42188**
%RSD	39.47769	293.69594	11.03256	3.55164	0.07236	0.11304	0.10245	6.19083	1.00544

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.93696	-0.00073	0.24216	-0.00154	-0.00277	244.85871	-0.00101	0.00381	0.01071
#2	49.94044	-0.00004	0.23203	-0.00411	0.00148	244.83651	-0.00107	0.00414	0.01236
Mean	**49.93870**	**-0.00039**	**0.23709**	**-0.00282**	**-0.00064**	**244.84761**	**-0.00104**	**0.00398**	**0.01154**
%RSD	0.00493	126.22558	3.02271	64.33844	466.74390	0.00641	3.69424	5.90823	10.09415

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.17619	0.00072	2.11275	-0.03269	-0.00274	-0.00188	-0.02369	0.00051	0.00108
#2	9.18778	0.00285	2.11588	-0.02564	-0.00242	-0.00197	-0.02121	0.00069	-0.00039
Mean	**9.18199**	**0.00178**	**2.11431**	**-0.02916**	**-0.00258**	**-0.00193**	**-0.02245**	**0.00060**	**0.00034**
%RSD	0.08924	84.65890	0.10470	17.09102	8.71311	3.28827	7.83112	21.84395	303.71486

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00044	-0.00236	0.00842
#2	-0.00113	-0.00038	0.00962
Mean	**-0.00079**	**-0.00137**	**0.00902**
%RSD	62.18725	102.16433	9.47956

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:22
SampleId1 : 1110158-16 2X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 15:34:35
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE89

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00030	0.02464	-0.00134	0.08832	0.01579	0.00029	-0.00118	252.25446	-0.00036
#2	0.00035	0.02649	-0.00115	0.08931	0.01597	0.00027	-0.00391	251.89645	-0.00044
Mean	**0.00002**	**0.02557**	**-0.00125**	**0.08881**	**0.01588**	**0.00028**	**-0.00254**	**252.07545**	**-0.00040**
%RSD	1830.76679	5.11318	10.75867	0.79177	0.80827	4.28859	75.61729	0.10043	15.66226

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00033	-0.00019	-0.00201	-0.01030	29.39637	0.02364	32.97657	0.00007	0.43059
#2	-0.00052	-0.00034	-0.00158	-0.01071	29.48951	0.02377	33.07974	0.00023	0.42958
Mean	**-0.00042**	**-0.00026**	**-0.00180**	**-0.01051**	**29.44294**	**0.02371**	**33.02816**	**0.00015**	**0.43008**

%RSD	31.63823	39.64727	16.84847	2.79913	0.22371	0.37405	0.22089	76.69466	0.16636

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.22078	-0.00118	0.07910	0.00310	-0.00177	245.23987	0.00207	0.00857	0.00957
#2	50.33847	-0.00045	0.09091	-0.00024	-0.00053	245.45456	0.00023	0.00671	0.00649
Mean	**50.27962**	**-0.00081**	**0.08500**	**0.00143**	**-0.00115**	**245.34721**	**0.00115**	**0.00764**	**0.00803**
%RSD	0.16552	62.97742	9.82851	164.97412	76.27058	0.06187	113.21127	17.26426	27.12604

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.04092	0.00356	2.13910	-0.02469	-0.00248	-0.00059	0.01111	0.00088	0.00108
#2	9.06392	0.00285	2.15080	-0.02991	-0.00263	0.00150	0.01857	0.00073	-0.00010
Mean	**9.05242**	**0.00321**	**2.14495**	**-0.02730**	**-0.00256**	**0.00045**	**0.01484**	**0.00080**	**0.00049**
%RSD	0.17970	15.69149	0.38552	13.51521	4.04372	325.60276	35.53834	13.05592	169.96817

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00082	-0.00014	0.00924
#2	-0.00036	-0.00043	0.00656
Mean	**-0.00059**	**-0.00029**	**0.00790**
%RSD	55.38021	70.54818	23.94972

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:22
SampleId1 : 1110158-17 2X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 15:36:26
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE90

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00035	0.02999	0.00636	0.08754	0.01597	0.00036	-0.00359	250.78631	-0.00053
#2	-0.00030	0.02478	0.00037	0.08839	0.01586	0.00030	-0.00551	251.45768	-0.00037
Mean	**-0.00033**	**0.02738**	**0.00336**	**0.08796**	**0.01592**	**0.00033**	**-0.00455**	**251.12200**	**-0.00045**
%RSD	10.89496	13.45762	126.00093	0.68524	0.48385	13.89301	29.88659	0.18904	25.70421

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00096	-0.00034	-0.00175	-0.01113	29.60932	0.02381	33.06213	0.00015	0.42799
#2	-0.00052	-0.00019	-0.00210	-0.01103	29.32860	0.02360	32.98873	0.00007	0.42813
Mean	**-0.00074**	**-0.00026**	**-0.00193**	**-0.01108**	**29.46896**	**0.02371**	**33.02543**	**0.00011**	**0.42806**
%RSD	42.31186	38.14915	12.85099	0.66366	0.67359	0.63588	0.15715	52.61393	0.02388

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.41177	-0.00095	0.08971	-0.00066	0.00028	245.24357	0.00262	0.00923	0.01200
#2	50.02830	-0.00187	0.08561	-0.00136	-0.00100	244.64412	0.00170	0.00704	0.00835
Mean	**50.22004**	**-0.00141**	**0.08766**	**-0.00101**	**-0.00036**	**244.94385**	**0.00216**	**0.00813**	**0.01018**
%RSD	0.53992	45.74771	3.30676	48.82139	252.20417	0.17305	29.96706	19.11242	25.37938

ted: 10/17/2011 09:56:29 User: MIKE LUNDGREEN

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.06316	0.00356	2.15108	-0.03139	-0.00273	-0.00077	0.01173	0.00062	-0.00039
#2	9.02603	-0.00391	2.13880	-0.02482	-0.00251	-0.00104	0.01546	0.00076	-0.00099
Mean	**9.04459**	**-0.00017**	**2.14494**	**-0.02811**	**-0.00262**	**-0.00091**	**0.01360**	**0.00069**	**-0.00069**
%RSD	0.29024	3035.37026	0.40480	16.51415	5.80984	21.03460	19.39194	15.14940	60.54219

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00031	-0.00003	0.01108
#2	-0.00096	-0.00112	0.00791
Mean	**-0.00064**	**-0.00058**	**0.00950**
%RSD	72.35699	133.49712	23.59182

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:22
SampleId1 : CCV SampleId2 : [CV]
Analysis commenced : 10/14/2011 15:38:17
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD6

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.19792	50.00561	0.50916	1.01127	0.99141	0.47271	0.53005	49.68999	0.51501
#2	0.19657	50.10663	0.50256	1.01526	0.98998	0.47307	0.52875	49.95448	0.51350
Mean	**0.19725**	**50.05612**	**0.50586**	**1.01327**	**0.99070**	**0.47289**	**0.52940**	**49.82223**	**0.51426**
%RSD	0.48327	0.14270	0.92284	0.27829	0.10220	0.05305	0.17264	0.37537	0.20762

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49002	0.98405	1.05006	19.37817	52.23915	0.51827	49.47246	0.95513	1.01592
#2	0.48970	0.98600	1.04616	19.41658	52.15344	0.51729	49.45470	0.95762	1.01462
Mean	**0.48986**	**0.98503**	**1.04811**	**19.39738**	**52.19629**	**0.51778**	**49.46358**	**0.95637**	**1.01527**
%RSD	0.04593	0.13966	0.26313	0.14004	0.11611	0.13361	0.02539	0.18438	0.09085

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.83783	1.04755	4.88957	0.97627	0.94475	4.96536	0.49906	0.96527	0.93503
#2	49.86956	1.04291	4.90044	0.98228	0.94674	4.94782	0.50257	0.97367	0.94575
Mean	**49.85369**	**1.04523**	**4.89501**	**0.97927**	**0.94574**	**4.95659**	**0.50081**	**0.96947**	**0.94039**
%RSD	0.04501	0.31388	0.15697	0.43395	0.14910	0.25024	0.49498	0.61246	0.80580

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.70727	1.02536	0.49862	0.30470	0.45730	0.52239	4.99965	0.48783	0.92843
#2	4.71910	1.02857	0.49838	0.31254	0.45723	0.52040	4.99091	0.48861	0.93200
Mean	**4.71318**	**1.02696**	**0.49850**	**0.30862**	**0.45726**	**0.52140**	**4.99528**	**0.48822**	**0.93022**
%RSD	0.17743	0.22131	0.03432	1.79544	0.01065	0.26955	0.12369	0.11369	0.27157

	Zr	Pb	SeUNDGREEN
	ppm	calc	calc
#1	0.98998	0.95524	0.94510
#2	0.98929	0.95857	0.95505
Mean	**0.98963**	**0.95691**	**0.95008**
%RSD	0.04923	0.24617	0.74010

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:23
SampleId1 : CCB SampleId2 : [CB]
Analysis commenced : 10/14/2011 15:40:13
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD2

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00032	0.06670	-0.00011	-0.00714	0.00029	0.00052	-0.00536	0.01629	-0.00021
#2	0.00047	0.07033	0.00160	-0.00565	0.00054	0.00053	0.00218	0.03674	0.00058
Mean	**0.00007**	**0.06852**	**0.00075**	**-0.00640**	**0.00042**	**0.00052**	**-0.00159**	**0.02651**	**0.00019**
%RSD	780.55462	3.74729	162.03076	16.48921	43.18237	0.96301	334.85774	54.54906	296.58936

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00060	0.00018	-0.00250	0.00935	-0.16274	-0.00200	-0.00244	0.00056	0.00081
#2	0.00003	0.00072	-0.00190	0.01216	-0.14768	-0.00193	0.00581	0.00081	0.00002
Mean	**-0.00029**	**0.00045**	**-0.00220**	**0.01076**	**-0.15521**	**-0.00196**	**0.00169**	**0.00068**	**0.00042**
%RSD	154.73338	85.59574	19.17398	18.45462	6.86388	2.37176	345.97988	25.42356	134.23546

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.02114	-0.00086	-0.00504	-0.00179	0.00057	-0.01529	-0.00330	-0.00126	-0.00010
#2	-0.01536	-0.00067	-0.00239	-0.00005	0.00133	0.00795	-0.00331	-0.00367	0.00255
Mean	**-0.01825**	**-0.00077**	**-0.00371**	**-0.00092**	**0.00095**	**-0.00367**	**-0.00331**	**-0.00246**	**0.00123**
%RSD	22.36190	17.44201	50.51999	133.40816	56.46689	447.47221	0.26393	69.21232	152.42800

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.02718	0.00071	-0.00325	-0.00126	-0.00153	-0.00705	-0.02743	-0.00038	-0.00069
#2	-0.02341	-0.00284	-0.00299	0.00116	-0.00121	0.00222	-0.01439	0.00018	0.00020
Mean	**-0.02530**	**-0.00107**	**-0.00312**	**-0.00005**	**-0.00137**	**-0.00242**	**-0.02091**	**-0.00010**	**-0.00025**
%RSD	10.56478	236.24947	5.87406	3388.92850	16.42671	271.23614	44.12726	391.38112	253.77457

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00003	-0.00022	-0.00048
#2	0.00046	0.00087	0.00048
Mean	**0.00024**	**0.00033**	**0.00000**
%RSD	126.17225	235.55315173	253.34027

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:23

SampleId1 : 1110158-18 2X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 15:42:11
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE91

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00081	0.02839	-0.00001	0.08789	0.01604	0.00029	-0.00487	251.00590	-0.00009
#2	-0.00005	0.02471	0.00037	0.08853	0.01590	0.00024	-0.00471	250.09973	-0.00052
Mean	**-0.00043**	**0.02655**	**0.00018**	**0.08821**	**0.01597**	**0.00026**	**-0.00479**	**250.55281**	**-0.00031**
%RSD	123.62539	9.80427	152.45624	0.51248	0.64294	13.24635	2.37082	0.25574	101.79573

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00077	-0.00068	-0.00193	-0.00073	29.60602	0.02383	33.14350	0.00064	0.42958
#2	-0.00096	-0.00025	-0.00166	-0.00156	29.46819	0.02372	33.04284	0.00056	0.42430
Mean	**-0.00086**	**-0.00047**	**-0.00180**	**-0.00115**	**29.53711**	**0.02378**	**33.09317**	**0.00060**	**0.42694**
%RSD	15.49933	65.83683	10.27453	51.22889	0.32996	0.31698	0.21509	9.62846	0.87384

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.88771	-0.00058	0.09212	-0.00008	-0.00016	246.86572	0.00058	0.01088	0.01158
#2	50.62068	-0.00017	0.08971	-0.00031	0.00167	246.92872	0.00053	0.00769	0.01007
Mean	**50.75420**	**-0.00037**	**0.09091**	**-0.00019**	**0.00076**	**246.89722**	**0.00055**	**0.00929**	**0.01082**
%RSD	0.37202	77.74185	1.87553	83.42528	170.83440	0.01804	6.31492	24.30640	9.82699

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.08354	-0.00249	2.14708	-0.03151	-0.00250	-0.00050	0.01297	0.00029	0.00049
#2	9.04508	-0.00427	2.13601	-0.02691	-0.00262	-0.00240	0.01235	0.00047	-0.00039
Mean	**9.06431**	**-0.00338**	**2.14155**	**-0.02921**	**-0.00256**	**-0.00145**	**0.01266**	**0.00038**	**0.00005**
%RSD	0.30005	37.25427	0.36543	11.15426	3.32453	93.07035	3.46865	34.54768	1292.75181

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00132	-0.00013	0.01135
#2	0.00088	0.00101	0.00928
Mean	**0.00110**	**0.00044**	**0.01031**
%RSD	28.44194	183.67226	14.16996

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:23
SampleId1 : 1110158-19 2X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 15:44:04
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE92

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	-0.00003	0.02941	0.00369	0.08825	0.01735	0.00026	0.00218	252.33503	-0.00053
#2	0.00011	0.01800	-0.00249	0.08981	0.01735	0.00016	0.00057	253.46367	0.00000
Mean	**0.00004**	**0.02371**	**0.00060**	**0.08903**	**0.01735**	**0.00021**	**0.00137**	**252.89935**	**-0.00026**
%RSD	260.83057	34.02862	723.14153	1.24123	0.00000	33.23525	82.52184	0.31557	142.11784

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00064	-0.00047	-0.00139	-0.00458	17.78866	0.02341	33.42916	0.00179	0.42921
#2	-0.00102	-0.00035	-0.00234	-0.00635	17.79594	0.02340	33.58774	0.00171	0.43232
Mean	**-0.00083**	**-0.00041**	**-0.00187**	**-0.00546**	**17.79230**	**0.02341**	**33.50845**	**0.00175**	**0.43077**
%RSD	32.23241	19.68571	36.23060	22.87786	0.02895	0.02841	0.33464	3.31295	0.51016

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.92058	0.00043	0.33364	-0.00262	-0.00098	247.82219	0.00172	0.00624	0.00978
#2	49.97900	-0.00036	0.34475	0.00253	-0.00171	248.59753	0.00231	0.00636	0.00771
Mean	**49.94979**	**0.00004**	**0.33920**	**-0.00005**	**-0.00135**	**248.20986**	**0.00202**	**0.00630**	**0.00875**
%RSD	0.08271	1503.50728	2.31526	7708.03040	38.48284	0.22088	20.97660	1.25478	16.79544

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.11342	0.00356	2.15495	-0.02554	-0.00248	0.00122	-0.00878	0.00032	0.00108
#2	9.14361	-0.00249	2.16446	-0.02643	-0.00262	-0.00260	-0.00692	0.00088	-0.00039
Mean	**9.12852**	**0.00054**	**2.15971**	**-0.02599**	**-0.00255**	**-0.00069**	**-0.00785**	**0.00060**	**0.00034**
%RSD	0.23389	795.77486	0.31119	2.43139	3.81227	390.12731	16.80916	65.42343	303.71486

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00056	-0.00153	0.00861
#2	-0.00032	-0.00030	0.00726
Mean	**-0.00044**	**-0.00091**	**0.00793**
%RSD	39.01762	94.88918	12.02096

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:23
SampleId1 : 1110158-20 2X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 15:45:56
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE93

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00043	0.01162	0.00132	0.08754	0.01724	0.00016	-0.00327	251.30846	-0.00009
#2	-0.00089	0.01052	0.00265	0.08967	0.01732	0.00013	-0.00135	252.28745	-0.00056
Mean	**-0.00066**	**0.01107**	**0.00198**	**0.08860**	**0.01728**	**0.00015**	**-0.00231**	**251.79795**	**-0.00033**
%RSD	48.85851	7.04840	47.46821	1.70073	0.29716	14.69984	58.81094	0.27492	100.40714

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00108	-0.00061	-0.00190	-0.01061	17.77108	0.02335	33.42832	0.00171	0.42733

#2	-0.00083	-0.00064	-0.00199	-0.01040	17.81980	0.02345	33.54579	0.00171	0.43182
Mean	**-0.00096**	**-0.00062**	**-0.00195**	**-0.01051**	**17.79544**	**0.02340**	**33.48706**	**0.00171**	**0.42958**
%RSD	18.71129	3.57015	3.29091	1.39956	0.19360	0.30313	0.24804	0.00000	0.73762

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.86543	0.00109	0.32640	-0.00024	-0.00105	247.02879	0.00044	0.00789	0.01021
#2	50.05992	0.00065	0.33992	-0.00191	0.00001	247.25860	-0.00193	0.01505	0.00857
Mean	**49.96268**	**0.00087**	**0.33316**	**-0.00108**	**-0.00052**	**247.14370**	**-0.00074**	**0.01147**	**0.00939**
%RSD	0.27526	35.76959	2.86955	109.74138	144.75048	0.06575	225.74028	44.13968	12.40537

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.10483	0.00463	2.15305	-0.03291	-0.00267	-0.00397	-0.01686	0.00021	-0.00128
#2	9.14472	0.00285	2.16383	-0.03243	-0.00286	0.00330	-0.01188	0.00032	-0.00010
Mean	**9.12478**	**0.00374**	**2.15844**	**-0.03267**	**-0.00276**	**-0.00033**	**-0.01437**	**0.00027**	**-0.00069**
%RSD	0.30911	33.63179	0.35311	1.05479	5.06222	1539.52296	24.46383	29.57294	121.08455

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00019	-0.00078	0.00944
#2	-0.00015	-0.00063	0.01072
Mean	**-0.00017**	**-0.00070**	**0.01008**
%RSD	13.97158	15.14980	9.01518

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:23
SampleId1 : 1110158-21 2X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 15:47:48
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE94

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00024	0.01478	-0.00115	0.08924	0.01721	0.00016	-0.00167	256.28304	-0.00039
#2	-0.00008	0.00975	0.00426	0.08960	0.01724	0.00017	-0.00231	254.47787	-0.00055
Mean	**-0.00016**	**0.01226**	**0.00155**	**0.08942**	**0.01722**	**0.00016**	**-0.00199**	**255.38045**	**-0.00047**
%RSD	68.34242	28.99959	246.43023	0.28087	0.14905	4.88137	22.84130	0.49982	23.88927

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00033	0.00011	-0.00130	-0.00676	17.77057	0.02339	33.65822	0.00196	0.43478
#2	-0.00026	-0.00001	-0.00139	-0.00718	17.75174	0.02338	33.62130	0.00204	0.43153
Mean	**-0.00029**	**0.00005**	**-0.00135**	**-0.00697**	**17.76116**	**0.02338**	**33.63976**	**0.00200**	**0.43315**
%RSD	15.20833	157.91245	4.35790	4.21875	0.07499	0.04740	0.07761	2.90469	0.53095

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.03041	0.00005	0.32616	-0.00245	-0.00208	248.54558	-0.00007	0.01329	0.00506
#2	49.84761	0.00068	0.31964	-0.00083	-0.00058	248.04844	0.00242	0.00889	0.00728

Mean	**49.93901**	**0.00037**	**0.32290**	**-0.00164**	**-0.00133**	**248.29701**	**0.00117**	**0.01109**	**0.00617**
%RSD	0.25883	121.12395	1.42742	69.60943	80.07590	0.14158	150.45506	28.10379	25.45530

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.18824	0.00107	2.16223	-0.02989	-0.00275	-0.00269	-0.00505	0.00099	-0.00039
#2	9.16598	0.00392	2.15832	-0.02885	-0.00273	0.00630	-0.01002	0.00065	-0.00099
Mean	**9.17711**	**0.00249**	**2.16028**	**-0.02937**	**-0.00274**	**0.00181**	**-0.00754**	**0.00082**	**-0.00069**
%RSD	0.17151	80.68366	0.12821	2.51070	0.66651	352.00382	46.64596	28.68081	60.54219

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00041	-0.00220	0.00780
#2	-0.00066	-0.00066	0.00781
Mean	**-0.00053**	**-0.00143**	**0.00781**
%RSD	33.70924	76.08150	0.11941

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:23
SampleId1 : 1110158-22 2X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 15:49:40
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE95

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00002	0.01351	0.00265	0.08903	0.01532	0.00022	0.00265	246.18318	-0.00033
#2	-0.00022	0.01781	0.00189	0.08761	0.01543	0.00023	-0.00488	246.01528	-0.00027
Mean	**-0.00012**	**0.01566**	**0.00227**	**0.08832**	**0.01537**	**0.00023**	**-0.00111**	**246.09923**	**-0.00030**
%RSD	114.33208	19.42211	23.71360	1.13747	0.50099	2.57291	478.09668	0.04824	13.48917

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00064	-0.00026	-0.00233	-0.00780	29.14589	0.02366	33.56425	0.00073	0.42986
#2	-0.00077	-0.00066	-0.00189	-0.00832	29.41464	0.02392	33.72871	0.00073	0.43319
Mean	**-0.00071**	**-0.00046**	**-0.00211**	**-0.00806**	**29.28027**	**0.02379**	**33.64648**	**0.00073**	**0.43153**
%RSD	12.54047	61.61059	14.70009	4.55934	0.64901	0.79208	0.34563	0.00000	0.54479

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.32387	0.00008	0.75830	-0.00056	-0.00342	247.44767	0.00000	0.01273	0.01336
#2	50.66469	-0.00020	0.78201	-0.00155	-0.00004	249.12830	0.00187	0.01526	0.00814
Mean	**50.49428**	**-0.00006**	**0.77016**	**-0.00106**	**-0.00173**	**248.28799**	**0.00093**	**0.01399**	**0.01075**
%RSD	0.47727	348.85490	2.17716	66.69818	137.82332	0.47863	141.15503	12.76797	34.38702

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.16158	0.00178	2.11383	-0.02568	-0.00244	0.00057	-0.02183	0.00091	-0.00039
#2	9.22154	-0.00355	2.12592	-0.03428	-0.00281	0.00220	-0.02867	0.00036	-0.00010
Mean	**9.19156**	**-0.00089**	**2.11988**	**-0.02998**	**-0.00263**	**0.00139**	**-0.02525**	**0.00064**	**-0.00025**

%RSD	0.46125	426.06470	0.40311	20.28840	9.96019	83.19801	19.14507	61.71845	84.59129

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00092	-0.00247	0.01315
#2	-0.00047	-0.00055	0.01051
Mean	**-0.00070**	**-0.00151**	**0.01183**
%RSD	46.23537	90.15110	15.81468

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:24
SampleId1 : 1110158-23 2X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 15:51:33
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE96

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00012	0.02031	0.00388	0.08711	0.01528	0.00028	-0.00360	245.59599	-0.00020
#2	0.00042	0.02097	0.00208	0.08853	0.01539	0.00024	-0.00167	245.97176	-0.00034
Mean	**0.00015**	**0.02064**	**0.00298**	**0.08782**	**0.01534**	**0.00026**	**-0.00264**	**245.78387**	**-0.00027**
%RSD	252.98494	2.26117	42.84856	1.14391	0.50218	11.85455	51.66621	0.10811	37.65749

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00052	-0.00043	-0.00259	0.00156	29.28749	0.02377	33.56509	0.00048	0.42878
#2	-0.00045	-0.00052	-0.00207	0.00135	29.21542	0.02372	33.58061	0.00056	0.43131
Mean	**-0.00049**	**-0.00048**	**-0.00233**	**0.00145**	**29.25146**	**0.02375**	**33.57285**	**0.00052**	**0.43005**
%RSD	9.31447	13.61973	15.57134	10.13218	0.17422	0.12137	0.03269	11.14619	0.41594

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.44882	0.00049	0.79605	0.00336	-0.00254	247.94829	0.00125	0.00689	0.00878
#2	50.27900	0.00002	0.78588	-0.00174	-0.00189	248.12634	0.00070	0.01097	0.01014
Mean	**50.36391**	**0.00026**	**0.79097**	**0.00081**	**-0.00221**	**248.03732**	**0.00098**	**0.00893**	**0.00946**
%RSD	0.23843	129.73237	0.90861	444.14413	20.85599	0.05076	39.74018	32.31473	10.16604

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.15949	0.00783	2.11755	-0.02792	-0.00232	-0.00297	-0.02743	0.00036	-0.00158
#2	9.16004	0.00321	2.12125	-0.03347	-0.00267	-0.00224	-0.01811	0.00047	-0.00128
Mean	**9.15977**	**0.00552**	**2.11940**	**-0.03069**	**-0.00250**	**-0.00260**	**-0.02277**	**0.00042**	**-0.00143**
%RSD	0.00423	59.26153	0.12361	12.79809	9.98769	19.86680	28.95187	18.86864	14.62192

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00091	-0.00057	0.00815
#2	-0.00050	-0.00184	0.01042
Mean	**-0.00070**	**-0.00121**	**0.00929**
%RSD	41.70754	74.00701	17.25846

ted: 10/17/2011 09:56:29 User: MIKE LUNDGREEN
Method : Paragon File : 111014A Printed : 10/17/2011 09:56:24
SampleId1 : 1110158-24 2X SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 15:53:24
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE97

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00022	0.02628	-0.00030	0.08924	0.01525	0.00033	-0.00504	247.53554	-0.00028
#2	-0.00031	0.03042	0.00094	0.08945	0.01517	0.00034	0.00216	246.11512	-0.00042
Mean	**-0.00026**	**0.02835**	**0.00032**	**0.08935**	**0.01521**	**0.00034**	**-0.00144**	**246.82533**	**-0.00035**
%RSD	24.27301	10.32034	273.96967	0.16865	0.33758	1.38498	354.26516	0.40692	29.95990

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00064	0.00009	-0.00206	-0.01113	28.95256	0.02351	33.43629	0.00056	0.43398
#2	-0.00090	-0.00080	-0.00240	-0.01113	29.20451	0.02379	33.57683	0.00056	0.43348
Mean	**-0.00077**	**-0.00035**	**-0.00223**	**-0.01113**	**29.07853**	**0.02365**	**33.50656**	**0.00056**	**0.43373**
%RSD	23.23396	178.70819	10.67460	0.00000	0.61268	0.86237	0.29659	0.00000	0.08248

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.79755	-0.00026	0.81129	0.00337	-0.00271	247.80365	-0.00203	0.01063	0.00871
#2	50.17085	-0.00061	0.80186	-0.00282	0.00034	248.04844	0.00176	0.00897	0.00785
Mean	**49.98420**	**-0.00044**	**0.80657**	**0.00028**	**-0.00119**	**247.92604**	**-0.00014**	**0.00980**	**0.00828**
%RSD	0.52808	56.26471	0.82745	1584.34329	181.80079	0.06982	1963.62510	11.99261	7.33811

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.12868	-0.00035	2.11521	-0.02469	-0.00272	0.00247	-0.03239	0.00073	-0.00128
#2	9.18025	-0.00249	2.12657	-0.02502	-0.00253	-0.00353	-0.04544	0.00032	-0.00039
Mean	**9.15447**	**-0.00142**	**2.12089**	**-0.02486**	**-0.00262**	**-0.00053**	**-0.03892**	**0.00052**	**-0.00084**
%RSD	0.39837	106.36189	0.37857	0.92947	5.10427	800.14854	23.71240	54.88213	74.80195

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00100	-0.00069	0.00935
#2	-0.00140	-0.00071	0.00822
Mean	**-0.00120**	**-0.00070**	**0.00879**
%RSD	23.32999	2.40754	9.06678

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:24
SampleId1 : 1110158-4 SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 15:55:22
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE98

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00056	0.03904	0.00807	0.18593	0.03191	0.00051	0.00251	532.68207	-0.00040
#2	-0.00105	0.04507	0.00493	0.18892	0.03209	0.00054	-0.00679	528.69928	-0.00052
Mean	**-0.00081**	**0.04205**	**0.00650**	**0.18742**	**0.03200**	**0.00053**	**-0.00214**	**530.69068**	**-0.00046**
%RSD	42.80787	10.13847	34.13851	1.12589	0.40117	3.63601	306.80645	0.53068	18.09806

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00056	-0.00049	-0.00194	-0.00967	63.07556	0.05498	66.28651	0.00114	0.86199
#2	-0.00125	-0.00106	-0.00228	-0.00947	63.60805	0.05561	66.54237	0.00097	0.86148
Mean	**-0.00090**	**-0.00078**	**-0.00211**	**-0.00957**	**63.34181**	**0.05529**	**66.41444**	**0.00105**	**0.86173**
%RSD	54.33153	51.68273	11.14697	1.53642	0.59444	0.80521	0.27240	11.01081	0.04160

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	103.10915	-0.00140	0.24771	-0.00427	-0.00050	487.57168	0.00425	0.02323	0.02024
#2	103.70132	-0.00155	0.26147	-0.00310	0.00128	489.17202	0.00184	0.01849	0.01938
Mean	**103.40524**	**-0.00147**	**0.25459**	**-0.00369**	**0.00039**	**488.37185**	**0.00304**	**0.02086**	**0.01981**
%RSD	0.40494	7.55064	3.82067	22.58928	320.30248	0.23171	55.85594	16.09770	3.06668

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	18.21298	0.00427	4.24640	-0.03660	-0.00335	-0.00212	0.03659	0.00165	-0.00010
#2	18.27631	-0.00106	4.27362	-0.04240	-0.00372	-0.00286	0.01795	0.00084	-0.00039
Mean	**18.24464**	**0.00161**	**4.26001**	**-0.03950**	**-0.00354**	**-0.00249**	**0.02727**	**0.00124**	**-0.00025**
%RSD	0.24545	234.96587	0.45188	10.37881	7.39307	20.92845	48.34823	46.18553	84.59129

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00172	-0.00175	0.02124
#2	-0.00174	-0.00018	0.01908
Mean	**-0.00173**	**-0.00097**	**0.02016**
%RSD	0.52815	115.36520	7.55686

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:24
SampleId1 : 1110158-5 SampleId2 : [SAMPLE]
Analysis commenced : 10/14/2011 15:57:13
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE99

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00036	0.04510	0.00455	0.18593	0.03169	0.00057	-0.00086	531.72476	-0.00040
#2	-0.00075	0.04643	0.00217	0.19062	0.03195	0.00057	-0.00391	531.92690	-0.00029
Mean	**-0.00056**	**0.04576**	**0.00336**	**0.18828**	**0.03182**	**0.00057**	**-0.00238**	**531.82583**	**-0.00034**
%RSD	49.93822	2.05528	50.00111	1.76124	0.56485	0.62589	90.45766	0.02688	21.27271

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00119	-0.00052	-0.00177	-0.01040	62.91485	0.05482	65.97228	0.00089	0.86257
#2	-0.00074	-0.00040	-0.00211	-0.01051	63.21200	0.05512	66.24046	0.00081	0.86155
Mean	**-0.00097**	**-0.00046**	**-0.00194**	**-0.01045**	**63.06342**	**0.05497**	**66.10637**	**0.00085**	**0.86206**
%RSD	32.39451	18.68910	12.35136	0.70326	0.33318	0.39089	0.28686	6.83598	0.08316

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	102.59793	-0.00001	0.24988	-0.00411	-0.00177	484.53590	0.00345	0.02037	0.01938
#2	102.97723	-0.00275	0.26774	-0.00182	-0.00012	486.06834	0.00126	0.01475	0.01967
Mean	**102.78758**	**-0.00138**	**0.25881**	**-0.00297**	**-0.00095**	**485.30212**	**0.00236**	**0.01756**	**0.01952**
%RSD	0.26093	140.37501	4.87933	54.79836	123.95835	0.22328	65.63246	22.64649	1.03816

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	18.14299	0.00072	4.23114	-0.03681	-0.00352	0.00033	0.03410	0.00161	0.00049
#2	18.22461	-0.00142	4.24561	-0.03613	-0.00360	-0.00140	0.02292	0.00121	-0.00099
Mean	**18.18380**	**-0.00035**	**4.23838**	**-0.03647**	**-0.00356**	**-0.00054**	**0.02851**	**0.00141**	**-0.00025**
%RSD	0.31740	430.17696	0.24143	1.31192	1.70893	228.05203	27.74332	20.37554	422.95993

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00187	-0.00255	0.01971
#2	-0.00204	-0.00068	0.01803
Mean	**-0.00195**	**-0.00162**	**0.01887**
%RSD	6.44756	81.75384	6.30121

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:25
SampleId1 : 1110158-6 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 15:59:05
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE100

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00057	0.09810	0.00056	0.18536	0.03162	0.00059	-0.00230	519.67597	-0.00011
#2	-0.00036	0.09269	0.00113	0.18671	0.03155	0.00059	0.00106	519.64664	-0.00036
Mean	**-0.00046**	**0.09540**	**0.00084**	**0.18604**	**0.03158**	**0.00059**	**-0.00062**	**519.66130**	**-0.00023**
%RSD	31.24430	4.00849	47.91132	0.51312	0.16259	0.37227	385.43254	0.00399	76.01942

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00062	0.00057	-0.00177	0.03036	62.53652	0.05451	65.14920	0.00114	0.84707
#2	-0.00024	0.00055	-0.00221	0.03130	62.35550	0.05438	65.16284	0.00114	0.84939
Mean	**-0.00043**	**0.00056**	**-0.00199**	**0.03083**	**62.44601**	**0.05444**	**65.15602**	**0.00114**	**0.84823**
%RSD	62.22851	3.44261	15.32986	2.14694	0.20498	0.15867	0.01480	0.00000	0.19317

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	101.60408	-0.00020	0.25761	-0.00373	0.00044	477.14869	0.00365	0.02015	0.02132
#2	101.48942	-0.00017	0.26654	-0.00167	-0.00241	477.26968	0.00298	0.02301	0.01967
Mean	**101.54675**	**-0.00018**	**0.26207**	**-0.00270**	**-0.00098**	**477.20918**	**0.00332**	**0.02158**	**0.02050**
%RSD	0.07984	12.14075	2.40938	54.07144	205.25679	0.01793	14.23157	9.36961	5.68175

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	17.91555	0.00072	4.19229	-0.03844	-0.00345	0.00208	0.04216	0.00162	-0.00010
#2	17.92115	0.00107	4.19365	-0.03098	-0.00329	-0.00147	0.03905	0.00159	-0.00069
Mean	**17.91835**	**0.00089**	**4.19297**	**-0.03471**	**-0.00337**	**0.00030**	**0.04060**	**0.00160**	**-0.00039**
%RSD	0.02207	28.12124	0.02292	15.20860	3.43369	822.53884	5.41277	1.62156	105.86144

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	-0.00192	-0.00095	0.02093
#2	-0.00243	-0.00216	0.02079
Mean	**-0.00217**	**-0.00155**	**0.02086**
%RSD	16.32769	55.23573	0.49593

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:25
SampleId1 : CCV **SampleId2 :** **[CV]**
Analysis commenced : 10/14/2011 16:02:42
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD6

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.19554	50.35550	0.50437	1.00885	0.99696	0.47835	0.51872	49.51128	0.50314
#2	0.19540	50.28897	0.50332	1.00629	0.99571	0.47836	0.51855	49.59754	0.50268
Mean	**0.19547**	**50.32223**	**0.50385**	**1.00757**	**0.99633**	**0.47835**	**0.51863**	**49.55441**	**0.50291**
%RSD	0.05043	0.09348	0.14770	0.17991	0.08860	0.00161	0.02329	0.12308	0.06358

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49177	0.99090	1.04209	19.58736	51.94787	0.52082	49.91019	0.96942	1.01578
#2	0.49208	0.99160	1.03976	19.58053	51.91707	0.52059	49.89370	0.97009	1.01629
Mean	**0.49193**	**0.99125**	**1.04093**	**19.58394**	**51.93247**	**0.52070**	**49.90195**	**0.96976**	**1.01603**
%RSD	0.04533	0.05016	0.15846	0.02466	0.04195	0.03111	0.02337	0.04850	0.03530

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.95993	1.02448	5.13000	0.98695	0.96754	5.12909	0.49169	0.98070	0.96742
#2	49.94580	1.01889	5.11517	0.98494	0.96693	5.09985	0.49328	0.98135	0.96598
Mean	**49.95287**	**1.02169**	**5.12259**	**0.98595**	**0.96723**	**5.11447**	**0.49248**	**0.98102**	**0.96670**
%RSD	0.02001	0.38663	0.20476	0.14420	0.04495	0.40427	0.22893	0.04704	0.10524

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.79118	1.01820	0.49843	0.31107	0.47051	0.51145	5.08725	0.49046	0.94987

#2	4.79591	1.01856	0.49852	0.31321	0.47015	0.51725	5.07232	0.49046	0.95314
Mean	**4.79354**	**1.01838**	**0.49848**	**0.31214**	**0.47033**	**0.51435**	**5.07979**	**0.49046**	**0.95151**
%RSD	0.06979	0.02482	0.01287	0.48312	0.05436	0.79766	0.20783	0.00019	0.24341

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.99229	0.97401	0.97184
#2	0.99205	0.97293	0.97110
Mean	**0.99217**	**0.97347**	**0.97147**
%RSD	0.01723	0.07842	0.05403

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:25
SampleId1 : CCB SampleId2 : [CB]
Analysis commenced : 10/14/2011 16:04:38
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD2

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00023	0.03160	0.00037	-0.00657	0.00047	0.00035	-0.00103	0.05431	-0.00009
#2	-0.00039	0.03029	0.00075	-0.00451	0.00062	0.00033	-0.00070	0.04880	0.00017
Mean	**-0.00031**	**0.03094**	**0.00056**	**-0.00554**	**0.00054**	**0.00034**	**-0.00087**	**0.05156**	**0.00004**
%RSD	37.33397	3.00553	48.30608	26.27165	18.90356	4.93235	26.47872	7.55288	440.95035

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00016	0.00032	-0.00137	0.01372	-0.13977	-0.00191	0.01035	0.00089	-0.00056
#2	-0.00016	0.00043	-0.00095	0.01279	-0.14471	-0.00192	0.01035	0.00089	0.00081
Mean	**-0.00016**	**0.00037**	**-0.00116**	**0.01325**	**-0.14224**	**-0.00192**	**0.01035**	**0.00089**	**0.00013**
%RSD	0.13588	20.61267	25.83591	4.99327	2.45563	0.34714	0.00000	0.00000	748.70284

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00775	-0.00174	0.00123	-0.00233	0.00020	0.01666	-0.00297	-0.00060	-0.00224
#2	-0.01036	0.00024	0.00123	0.00166	0.00008	0.02247	-0.00136	-0.00620	-0.00131
Mean	**-0.00906**	**-0.00075**	**0.00123**	**-0.00033**	**0.00014**	**0.01957**	**-0.00216**	**-0.00340**	**-0.00178**
%RSD	20.34053	186.98498	0.00000	842.86809	61.38941	20.99576	52.75009	116.60056	37.01153

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01970	-0.00071	-0.00287	0.00040	-0.00114	-0.00078	-0.02557	-0.00004	-0.00069
#2	-0.01830	0.00036	-0.00294	-0.00430	-0.00119	-0.00278	-0.01376	0.00047	-0.00010
Mean	**-0.01900**	**-0.00018**	**-0.00291**	**-0.00195**	**-0.00117**	**-0.00178**	**-0.01967**	**0.00021**	**-0.00039**
%RSD	5.21171	429.41258	1.69814	170.33282	3.12486	79.13522	42.45272	170.60992	105.86144

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00009	-0.00064	-0.00169
#2	0.00084	0.00060	-0.00294

Mean	**0.00046**	**-0.00002**	**-0.00232UNDGREEN**
%RSD	115.06233	4550.28213	37.99915

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:25
SampleId1 : 1110158-16 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 16:06:26
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE101

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00111	-0.01493	0.00293	0.18472	0.03173	0.00011	-0.00102	520.49580	-0.00037
#2	-0.00077	-0.01208	0.00597	0.18245	0.03188	0.00016	-0.00166	516.80298	-0.00074
Mean	**-0.00094**	**-0.01351**	**0.00445**	**0.18359**	**0.03180**	**0.00013**	**-0.00134**	**518.64939**	**-0.00055**
%RSD	25.39195	14.95443	48.29343	0.87574	0.32295	25.52120	33.64988	0.50347	47.35249

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00093	-0.00017	-0.00037	-0.01061	62.83332	0.05515	66.56284	0.00032	0.85265
#2	-0.00062	-0.00078	0.00031	-0.00863	62.75075	0.05508	66.39482	0.00056	0.85076
Mean	**-0.00078**	**-0.00047**	**-0.00003**	**-0.00962**	**62.79203**	**0.05511**	**66.47883**	**0.00044**	**0.85170**
%RSD	28.87390	91.75606	1780.58751	14.51714	0.09298	0.08842	0.17871	39.69581	0.15631

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	104.44446	0.00015	0.18474	-0.00404	-0.00166	499.70590	0.00496	0.02597	0.01802
#2	104.03207	0.00027	0.18787	-0.00012	0.00030	497.67194	0.00599	0.02643	0.01895
Mean	**104.23827**	**0.00021**	**0.18630**	**-0.00208**	**-0.00068**	**498.68892**	**0.00547**	**0.02620**	**0.01848**
%RSD	0.27974	42.36865	1.19036	133.07553	203.37470	0.28840	13.19011	1.21908	3.56241

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	18.44567	0.00321	4.20967	-0.04535	-0.00347	0.00068	0.01981	0.00095	0.00020
#2	18.39561	-0.00284	4.19664	-0.05815	-0.00396	-0.00276	0.03410	0.00113	-0.00039
Mean	**18.42064**	**0.00018**	**4.20315**	**-0.05175**	**-0.00372**	**-0.00104**	**0.02696**	**0.00104**	**-0.00010**
%RSD	0.19217	2336.91433	0.21933	17.49044	9.49859	234.72949	37.49039	12.57208	421.01201

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00100	-0.00246	0.02067
#2	0.00156	0.00016	0.02144
Mean	**0.00128**	**-0.00115**	**0.02105**
%RSD	31.15944	160.94219	2.59135

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:25
SampleId1 : 1110158-17 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 16:08:19
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE102

Final concentrations **56:29** **User: MIKE LUNDGREEN**

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00062	-0.01878	0.00341	0.18487	0.03191	0.00010	0.00204	532.91431	0.00003
#2	0.00093	-0.01702	0.00122	0.18643	0.03209	0.00010	-0.00085	531.57749	-0.00011
Mean	**0.00077**	**-0.01790**	**0.00232**	**0.18565**	**0.03200**	**0.00010**	**0.00059**	**532.24590**	**-0.00004**
%RSD	28.25806	6.94590	66.77680	0.59539	0.40117	4.81022	343.38260	0.17760	249.42920

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00071	0.00033	0.00021	-0.01019	62.44797	0.05479	67.11645	0.00064	0.86459
#2	0.00033	0.00071	0.00048	-0.01019	62.64860	0.05496	67.19921	0.00040	0.86459
Mean	**0.00052**	**0.00052**	**0.00034**	**-0.01019**	**62.54828**	**0.05487**	**67.15783**	**0.00052**	**0.86459**
%RSD	51.62833	51.49599	55.43983	0.00000	0.22681	0.21799	0.08713	33.43857	0.00000

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	103.73787	0.00153	0.19029	0.00657	-0.00458	505.81290	0.00838	0.01907	0.01902
#2	103.87922	0.00153	0.19559	0.00475	-0.00388	506.23893	0.00838	0.02214	0.01745
Mean	**103.80854**	**0.00153**	**0.19294**	**0.00566**	**-0.00423**	**506.02592**	**0.00838**	**0.02061**	**0.01823**
%RSD	0.09628	0.00000	1.94525	22.76967	11.77915	0.05953	0.03326	10.54966	6.10995

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	18.55456	0.00285	4.22304	-0.04496	-0.00347	-0.00175	0.05958	0.00232	-0.00039
#2	18.61389	0.00854	4.22958	-0.04458	-0.00362	0.00660	0.04964	0.00283	-0.00069
Mean	**18.58422**	**0.00570**	**4.22631**	**-0.04477**	**-0.00355**	**0.00243**	**0.05461**	**0.00258**	**-0.00054**
%RSD	0.22574	70.65265	0.10938	0.60429	2.91575	243.04008	12.87457	14.20767	38.51527

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00017	-0.00087	0.01904
#2	-0.00050	-0.00101	0.01901
Mean	**-0.00034**	**-0.00094**	**0.01902**
%RSD	67.91820	10.25950	0.10058

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:25
SampleId1 : 1110158-18 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 10/14/2011 16:10:11
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE103

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00036	-0.02285	0.01044	0.18607	0.03162	0.00014	-0.00166	531.14801	-0.00021
#2	-0.00077	-0.02424	0.00217	0.18664	0.03188	0.00010	-0.00101	531.07672	-0.00080
Mean	**-0.00056**	**-0.02355**	**0.00631**	**0.18636**	**0.03175**	**0.00012**	**-0.00134**	**531.11236**	**-0.00050**
%RSD	51.14966	4.18258	92.71271	0.21568	0.56614	19.05249	33.98687	0.00949	82.66501

ted: 10/17/2011 09:56:29 User: MIKE LUNDGREEN

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00049	-0.00075	0.00006	-0.01030	62.35002	0.05469	67.09086	0.00089	0.86184
#2	-0.00119	-0.00067	-0.00064	-0.01082	62.52477	0.05484	67.20262	0.00097	0.86315
Mean	**-0.00084**	**-0.00071**	**-0.00029**	**-0.01056**	**62.43739**	**0.05477**	**67.14674**	**0.00093**	**0.86249**
%RSD	58.48157	8.18480	168.88428	3.48168	0.19790	0.19414	0.11769	6.23338	0.10687

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	103.48909	0.00049	0.20162	-0.00124	-0.00288	507.90449	0.00322	0.01982	0.02074
#2	103.73625	0.00005	0.19439	0.00054	0.00008	507.64950	0.00437	0.02148	0.02375
Mean	**103.61267**	**0.00027**	**0.19801**	**-0.00035**	**-0.00140**	**507.77700**	**0.00379**	**0.02065**	**0.02224**
%RSD	0.16867	114.10528	2.58480	361.14382	149.92189	0.03551	21.54163	5.67995	9.56147

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	18.56733	0.00250	4.19495	-0.04482	-0.00359	0.00578	0.03038	0.00139	0.00049
#2	18.60820	-0.00106	4.21098	-0.04395	-0.00335	-0.00339	0.03908	0.00117	0.00108
Mean	**18.58776**	**0.00072**	**4.20296**	**-0.04439**	**-0.00347**	**0.00119**	**0.03473**	**0.00128**	**0.00079**
%RSD	0.15550	351.20881	0.26964	1.39021	4.73425	543.71669	17.71725	12.24085	53.08442

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00129	-0.00233	0.02043
#2	-0.00130	0.00024	0.02299
Mean	**-0.00130**	**-0.00105**	**0.02171**
%RSD	0.84031	173.37329	8.33238

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:26
SampleId1 : ZZZ SampleId2 : [FLEXQC]
Analysis commenced : 10/14/2011 16:12:02
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD3

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.02158	0.45107	0.01377	0.42610	0.42928	0.01258	0.05354	5.74634	0.01224
#2	0.02187	0.45242	0.01263	0.42773	0.43216	0.01256	0.05402	5.76802	0.01263
Mean	**0.02173**	**0.45174**	**0.01320**	**0.42692**	**0.43072**	**0.01257**	**0.05378**	**5.75718**	**0.01244**
%RSD	0.94388	0.21176	6.11141	0.27085	0.47312	0.06504	0.63542	0.26635	2.22987

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10787	0.02369	0.05433	0.21115	4.24968	0.01587	5.45154	0.03422	0.02332
#2	0.10908	0.02383	0.05476	0.21355	4.26332	0.01597	5.47511	0.03430	0.02440
Mean	**0.10848**	**0.02376**	**0.05455**	**0.21235**	**4.25650**	**0.01592**	**5.46332**	**0.03426**	**0.02386**
%RSD	0.78482	0.42208	0.55746	0.79776	0.22661	0.44565	0.30509	0.16947	3.20658

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.55918	0.09052	0.21779	0.00367	0.00748	0.44096	0.12865	0.00298	0.01083
#2	4.58577	0.09033	0.21031	0.00779	0.00763	0.45258	0.12923	0.01542	0.01119
Mean	**4.57248**	**0.09043**	**0.21405**	**0.00573**	**0.00755**	**0.44677**	**0.12894**	**0.00920**	**0.01101**
%RSD	0.41126	0.14776	2.47095	50.84542	1.33774	1.84032	0.31800	95.64286	2.30313

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10586	0.10816	0.02140	0.00691	0.02059	0.02163	0.20362	0.11008	0.05785
#2	0.10781	0.10638	0.02163	0.00584	0.02068	0.02463	0.20859	0.11082	0.05637
Mean	**0.10683**	**0.10727**	**0.02152**	**0.00638**	**0.02063**	**0.02313**	**0.20610**	**0.11045**	**0.05711**
%RSD	1.29251	1.17320	0.75398	11.93347	0.32440	9.17520	1.70524	0.47371	1.83073

	Zr	Pb	Se
	ppm	calc	calc
#1	0.05037	0.00621	0.00821
#2	0.05227	0.00768	0.01260
Mean	**0.05132**	**0.00695**	**0.01040**
%RSD	2.61722	14.94216	29.78420

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:26
SampleId1 : ZZZ **SampleId2 :** **[FLEXQC]**
Analysis commenced : 10/14/2011 16:13:58
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD4

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00030	272.62566	-0.00771	-0.00778	0.00029	0.00071	0.00411	275.44876	-0.00005
#2	-0.00020	272.66196	0.00056	-0.00757	0.00033	0.00073	0.00876	275.39635	0.00022
Mean	**0.00005**	**272.64381**	**-0.00358**	**-0.00767**	**0.00031**	**0.00072**	**0.00644**	**275.42255**	**0.00009**
%RSD	694.24308	0.00941	163.41921	1.96319	8.35583	1.51634	51.04267	0.01345	222.68409

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00103	-0.00010	-0.00500	110.76480	-0.20127	-0.00184	278.09481	0.00253	-0.00322
#2	0.00116	-0.00120	-0.00517	110.77025	-0.20201	-0.00183	278.02221	0.00253	-0.00193
Mean	**0.00110**	**-0.00065**	**-0.00508**	**110.76752**	**-0.20164**	**-0.00183**	**278.05851**	**0.00253**	**-0.00258**
%RSD	8.14924	119.72519	2.38770	0.00348	0.25982	0.24192	0.01846	0.00000	35.64668

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01536	0.00078	0.00798	-0.00841	0.00100	0.03991	0.00182	-0.01179	0.00171
#2	-0.01169	0.00056	0.00846	-0.00740	-0.00057	0.05153	0.00058	-0.01125	0.00099
Mean	**-0.01353**	**0.00067**	**0.00822**	**-0.00791**	**0.00022**	**0.04572**	**0.00120**	**-0.01152**	**0.00135**
%RSD	19.22622	23.37461	4.14687	9.07763	514.16845	17.97499	72.74804	3.36239	37.38847

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.02494	0.00071	-0.00210	-0.03047	0.00021	-0.00140	0.05687	-0.00567	-0.00394
#2	-0.02384	0.00071	-0.00192	-0.03531	0.00015	0.00414	0.05438	-0.00574	-0.00010
Mean	**-0.02439**	**0.00071**	**-0.00201**	**-0.03289**	**0.00018**	**0.00137**	**0.05563**	**-0.00571**	**-0.00202**
%RSD	3.17582	0.00696	6.30169	10.40477	23.87802	286.38466	3.16477	0.90281	134.47196

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00485	-0.00213	-0.00279
#2	0.00466	-0.00284	-0.00308
Mean	**0.00476**	**-0.00249**	**-0.00293**
%RSD	2.88954	20.12341	7.09731

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:26
SampleId1 : CRI SampleId2 : [FLEXQC]
Analysis commenced : 10/14/2011 16:17:48
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD3

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.02130	0.57793	0.01348	0.42631	0.43027	0.01262	0.05129	5.66938	0.01254
#2	0.02175	0.53830	0.01482	0.42631	0.42965	0.01256	0.05161	5.62470	0.01283
Mean	**0.02153**	**0.55812**	**0.01415**	**0.42631**	**0.42996**	**0.01259**	**0.05145**	**5.64704**	**0.01268**
%RSD	1.48342	5.02119	6.65103	0.00000	0.10199	0.35144	0.43925	0.55956	1.60505

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10737	0.02360	0.05477	0.26043	4.20801	0.01602	5.51853	0.03389	0.02354
#2	0.10813	0.02389	0.05433	0.24501	4.19065	0.01588	5.47015	0.03405	0.02174
Mean	**0.10775**	**0.02374**	**0.05455**	**0.25272**	**4.19933**	**0.01595**	**5.49434**	**0.03397**	**0.02264**
%RSD	0.49681	0.85850	0.56374	4.31483	0.29232	0.61180	0.62272	0.34181	5.63381

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.54412	0.09008	0.22744	0.00447	0.00771	0.30862	0.12659	-0.00055	0.00726
#2	4.51034	0.09017	0.21586	0.00997	0.00752	0.27255	0.12898	0.00551	0.00869
Mean	**4.52723**	**0.09013**	**0.22165**	**0.00722**	**0.00761**	**0.29059**	**0.12779**	**0.00248**	**0.00797**
%RSD	0.52774	0.07412	3.69493	53.94132	1.75067	8.77851	1.31960	172.62393	12.67834

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09575	0.10852	0.02035	0.00561	0.02048	0.02074	0.20731	0.10902	0.05608
#2	0.09617	0.10887	0.02008	0.00902	0.02052	0.02310	0.20857	0.10994	0.05608
Mean	**0.09596**	**0.10870**	**0.02021**	**0.00732**	**0.02050**	**0.02192**	**0.20794**	**0.10948**	**0.05608**
%RSD	0.31347	0.23153	0.94231	33.02892	0.11873	7.59831	0.42625	0.59509	0.00000

	Zr	**Pb**	**Se**
	ppm	calc	calc

#1	0.05814	0.00663	0.00466	**UNDGREEN**
#2	0.05786	0.00834	0.00763	
Mean	**0.05800**	**0.00748**	**0.00614**	
%RSD	0.33923	16.14075	34.19093	

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:26
SampleId1 : ICSA **SampleId2 :** **[FLEXQC]**
Analysis commenced : 10/14/2011 16:19:43
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD4

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00030	271.85084	-0.00125	-0.00885	0.00025	0.00085	0.00796	272.58538	-0.00023
#2	0.00041	270.06292	-0.00258	-0.00814	0.00040	0.00084	0.00924	273.08853	0.00039
Mean	**0.00005**	**270.95688**	**-0.00191**	**-0.00849**	**0.00033**	**0.00085**	**0.00860**	**272.83695**	**0.00008**
%RSD	935.19214	0.46659	49.14124	5.91450	31.55869	0.81293	10.51833	0.13040	577.30091

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00072	-0.00082	-0.00526	109.38786	-0.22498	-0.00189	275.84661	0.00237	-0.00214
#2	0.00154	0.00005	-0.00507	109.29969	-0.20794	-0.00179	274.58202	0.00245	-0.00149
Mean	**0.00113**	**-0.00038**	**-0.00516**	**109.34377**	**-0.21646**	**-0.00184**	**275.21431**	**0.00241**	**-0.00182**
%RSD	51.37324	161.39395	2.55455	0.05702	5.56677	3.85747	0.32491	2.40976	25.24813

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.02645	0.00037	-0.00190	-0.01111	0.00416	0.05312	-0.00458	-0.01240	0.00680
#2	-0.02277	0.00068	0.00316	-0.01104	0.00099	0.07416	-0.00469	-0.01615	0.00227
Mean	**-0.02461**	**0.00053**	**0.00063**	**-0.01108**	**0.00257**	**0.06364**	**-0.00464**	**-0.01427**	**0.00454**
%RSD	10.56598	42.40330	570.25651	0.45696	87.00920	23.37487	1.80164	18.55505	70.58682

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.02754	0.00356	-0.00201	-0.04415	-0.00002	0.00075	0.05657	-0.00590	-0.00187
#2	-0.02567	0.00249	-0.00175	-0.03231	0.00042	-0.00393	0.03985	-0.00540	-0.00306
Mean	**-0.02661**	**0.00302**	**-0.00188**	**-0.03823**	**0.00020**	**-0.00159**	**0.04821**	**-0.00565**	**-0.00246**
%RSD	4.98180	24.96416	9.72865	21.90688	152.20144	207.87635	24.52576	6.26166	33.93033

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00552	-0.00093	0.00041
#2	0.00495	-0.00302	-0.00386
Mean	**0.00523**	**-0.00197**	**-0.00173**
%RSD	7.79891	74.92093	174.73779

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:26
SampleId1 : ICSAB **SampleId2 :** **[FLEXQC]**
Analysis commenced : 10/14/2011 16:23:37

Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD5

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.19799	211.61136	0.10205	1.02502	0.50881	0.48204	0.54058	269.10721	1.01907
#2	0.19789	211.61229	0.09795	1.02331	0.50906	0.47896	0.53674	266.54134	1.01277
Mean	**0.19794**	**211.61183**	**0.10000**	**1.02416**	**0.50894**	**0.48050**	**0.53866**	**267.82427**	**1.01592**
%RSD	0.03518	0.00031	2.89393	0.11800	0.03551	0.45400	0.50449	0.67744	0.43836

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48468	0.48735	0.54857	108.11914	-0.20275	1.08629	270.20751	0.48751	1.02303
#2	0.48361	0.48338	0.55039	107.28387	-0.21239	1.09081	269.74906	0.48478	1.01788
Mean	**0.48415**	**0.48537**	**0.54948**	**107.70151**	**-0.20757**	**1.08855**	**269.97828**	**0.48615**	**1.02045**
%RSD	0.15563	0.57718	0.23483	0.54839	3.28124	0.29404	0.12007	0.39650	0.35653

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.03850	1.02022	1.05055	0.03814	0.05575	1.10568	0.56304	0.03854	0.05280
#2	-0.03942	1.01564	1.06800	0.03663	0.05668	1.11170	0.56465	0.03259	0.05399
Mean	**-0.03896**	**1.01793**	**1.05928**	**0.03739**	**0.05622**	**1.10869**	**0.56385**	**0.03557**	**0.05339**
%RSD	1.66828	0.31790	1.16466	2.84443	1.17202	0.38384	0.20286	11.84850	1.57824

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.92477	1.05017	1.00387	0.03994	0.92819	0.09975	10.33324	0.48585	0.93290
#2	0.92432	1.03981	1.00220	0.01902	0.92363	0.09813	10.33069	0.48209	0.91891
Mean	**0.92454**	**1.04499**	**1.00303**	**0.02948**	**0.92591**	**0.09894**	**10.33196**	**0.48397**	**0.92590**
%RSD	0.03428	0.70047	0.11786	50.19339	0.34862	1.15824	0.01743	0.54834	1.06857

	Zr	Pb	Se
	ppm	calc	calc
#1	0.50589	0.04989	0.04805
#2	0.50582	0.05001	0.04686
Mean	**0.50586**	**0.04995**	**0.04746**
%RSD	0.00952	0.17086	1.77249

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:27
SampleId1 : CCV SampleId2 : [CV]
Analysis commenced : 10/14/2011 16:25:33
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD6

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.19450	50.04887	0.50083	1.00415	0.98389	0.47662	0.51243	49.78077	0.50388
#2	0.19639	50.34811	0.49969	1.00807	0.98774	0.47663	0.51964	49.81056	0.50748

Mean	**0.19544**	**50.19849**	**0.50026**	**1.00611**	**0.98581**	**0.47662**	**0.51604**	**49.79566**	**0.50568**
%RSD	0.68483	0.42152	0.16228	0.27526	0.27650	0.00119	0.98891	0.04231	0.50266

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49157	0.98992	1.03312	19.54207	51.56013	0.51522	49.76131	0.96602	1.01404
#2	0.49183	0.99287	1.03805	19.57825	51.84562	0.51795	49.93007	0.96776	1.01629
Mean	**0.49170**	**0.99140**	**1.03558**	**19.56016**	**51.70288**	**0.51659**	**49.84569**	**0.96689**	**1.01516**
%RSD	0.03709	0.21004	0.33692	0.13079	0.39044	0.37294	0.23940	0.12768	0.15647

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.26259	1.02710	5.15324	0.97943	0.96879	5.21112	0.46710	0.96184	0.95483
#2	50.51242	1.03329	5.13791	0.98477	0.95710	5.19903	0.46200	0.97026	0.95275
Mean	**50.38750**	**1.03019**	**5.14558**	**0.98210**	**0.96294**	**5.20508**	**0.46455**	**0.96605**	**0.95379**
%RSD	0.35059	0.42461	0.21067	0.38413	0.85832	0.16431	0.77512	0.61626	0.15400

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.74706	1.01428	0.49343	0.31306	0.46639	0.50875	5.01634	0.48863	0.95344
#2	4.77692	1.01999	0.49551	0.31317	0.46666	0.51659	5.03498	0.48990	0.95493
Mean	**4.76199**	**1.01713**	**0.49447**	**0.31311**	**0.46652**	**0.51267**	**5.02566**	**0.48927**	**0.95419**
%RSD	0.44336	0.39719	0.29700	0.02578	0.04045	1.08101	0.26232	0.18295	0.11033

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.98859	0.97233	0.95716
#2	0.98955	0.96631	0.95858
Mean	**0.98907**	**0.96932**	**0.95787**
%RSD	0.06893	0.43913	0.10468

Method : Paragon File : 111014A Printed : 10/17/2011 09:56:27
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 10/14/2011 16:27:39
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD2

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00048	0.04158	-0.00039	-0.00615	0.00040	0.00034	-0.00135	0.01865	0.00011
#2	-0.00058	0.05326	0.00170	-0.00579	0.00029	0.00033	-0.00247	0.02651	-0.00034
Mean	**-0.00053**	**0.04742**	**0.00065**	**-0.00597**	**0.00034**	**0.00033**	**-0.00191**	**0.02258**	**-0.00012**
%RSD	12.63947	17.41419	226.92493	4.20626	22.41834	0.89411	41.53014	24.63504	274.31257

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00015	0.00009	-0.00164	0.01476	-0.17139	-0.00200	0.00663	0.00056	-0.00027
#2	-0.00054	-0.00023	-0.00137	0.01767	-0.17731	-0.00201	0.01571	0.00048	0.00118
Mean	**-0.00019**	**-0.00007**	**-0.00151**	**0.01622**	**-0.17435**	**-0.00200**	**0.01117**	**0.00052**	**0.00045**

%RSD	253.85831	311.07529	12.43886	12.69595	2.40402	0.44292	57.43002	11.14619	224.67676

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.03446	-0.00108	0.00244	-0.00175	-0.00069	-0.01900	-0.00096	-0.00290	0.00263
#2	-0.03503	-0.00199	0.00003	-0.00167	0.00108	-0.00999	-0.00300	-0.00258	0.00098
Mean	**-0.03475**	**-0.00154**	**0.00123**	**-0.00171**	**0.00020**	**-0.01450**	**-0.00198**	**-0.00274**	**0.00180**
%RSD	1.14317	41.99976	138.54260	3.30482	634.76873	43.97657	73.06153	8.38135	64.55624

	Si	**Sn**	**Sr**	**Th**	**Ti**	**Tl**	**U**	**V**	**Zn**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.02188	-0.00178	-0.00334	-0.00416	-0.00156	0.00113	-0.01936	0.00007	-0.00128
#2	-0.02360	0.00071	-0.00333	-0.00368	-0.00133	-0.00224	-0.02558	-0.00030	-0.00069
Mean	**-0.02274**	**-0.00053**	**-0.00334**	**-0.00392**	**-0.00144**	**-0.00055**	**-0.02247**	**-0.00012**	**-0.00099**
%RSD	5.35865	331.46734	0.21140	8.58580	10.95827	429.10169	19.56550	221.73674	42.39350

	Zr	**Pb**	**Se**
	ppm	calc	calc
#1	0.00045	-0.00104	0.00079
#2	0.00010	0.00016	-0.00020
Mean	**0.00027**	**-0.00044**	**0.00029**
%RSD	91.61479	194.67671	241.20795

Header Information for Analytical Sequence 11J17q00

Instrument: Agilent ICPMS Model 7700X; Serial No. JP09400112
Software Revision: B.01.01
Date of Analysis: 10/17/2011
Analyst: Ross Miller

Calibration Standards

High Calibration Standard: ST100324-6 (expires 2/28/2015)
This standard contains the following elements at the listed concentrations (ng/ml).

100000	50000	10000	5000	2000	1000	500	200	100	50	30	10	2
Na	Ca	Mg	Fe	Zn	B	Cr	Mn	V	Pb	Sb	Th	Tl
	K		Al	Ti	Cu	Ni		Co	Be	Cd	U	
					Li	Sn		As		Y	Ag	
								Se		La		
								Mo		Ce		
								Ba		Pr		
								Sr		Nd		

1/10,1/100, and 1/1000 dilutions of the High Calibration Standard are prepared daily to provide additional calibration standards.

ICV

The ICV is prepared by diluting 1ml of the 2nd Source intermediate (ST110707-8, expires 06/20/2012) to 5ml giving the following concentrations (ng/ml).

20000	10000	2000	1000	400	200	100	40	20	10	6	2	0.4
Na	Ca	Mg	Fe	Zn	B	Cr	Mn	V	Pb	Sb	Th	Tl
	K		Al	Ti	Cu	Ni		Co	Be	Cd	U	
					Li	Sn		As		Y	Ag	
								Se		La		
								Mo		Ce		
								Ba		Pr		
								Sr		Nd		

CRI1

The RL1 is prepared by diluting 0.05ml of the Reporting Limit Verification Spike Solution (ST100324-9 expires 2/28/2015) to 50ml giving the following concentrations (ng/ml).

100	50	10	5	2	1	0.5	0.2	0.1	0.05	0.03	0.02	0.01
Na	Ca	Mg	Al	Zn	B	Cr	Mn	V	Pb	Sb	Th	U
	K		Fe	Ti	Cu	Ni		Co	Be	Cd	Tl	Ag
					Li	Sn		As		Y		
								Se		La		
								Mo		Ce		
								Ba		Pr		
								Sr		Nd		

CRI2

The RL2 is prepared by diluting 0.1ml of the Reporting Limit Verification Spike Solution (ST100324-9 expires 2/28/2015) to 50ml giving the following concentrations (ng/ml).

200	100	20	10	4	2	1	0.4	0.2	0.1	0.06	0.04	0.02
Na	Ca	Mg	Al	Zn	B	Cr	Mn	V	Pb	Sb	Th	U
	K		Fe	Ti	Cu	Ni		Co	Be	Cd	Tl	Ag
					Li	Sn		As		Y		
								Se		La		
								Mo		Ce		
								Ba		Pr		
								Sr		Nd		

ICSA

The ICSA is prepared by diluting 0.5ml of ICSA intermediate (ST101101-1, expires 11/01/11) to a final volume of 50ml giving the following concentrations (ng/ml).

42.5×10^6	30000	25000	20000	10000	200
Cl	Ca	Fe	C	Al	Mo
		Na		K	Ti
				Mg	
				P	
				S	

ICSAB

The ICSAB is prepared by diluting 0.5ml of ICSA intermediate (ST101101-1, expires 11/01/11) and 5ml of High Calibration Standard: ST100324-6 (expires 2/28/2015) to a final volume of 50ml. The ICSAB contains the following elements at the listed concentrations (ng/ml).

$42.5X10^6$	35000	25500	20000	15000	11000	10500	10000	400	210
Cl	Ca	Fe	C	K	Mg	Al	P	Ti	Mo
	Na						S		

200	100	50	20	10	5	3	1	0.2
Zn	B	Cr	Mn	V	Pb	Sb	Th	Tl
	Cu	Ni		Co	Be	Cd	U	
	Li	Sn		As		Y	Ag	
				Se		La		
				Ba		Ce		
				Sr		Pr		
						Nd		

CCV

The CCV is prepared by diluting 5ml of the High Calibration Standard: ST100324-6 (expires 2/28/2015) to a final volume of 50ml. The CCV contains the following elements at the listed concentrations (ng/ml).

10000	5000	1000	500	200	100	50	20	10	5	3	1	0.2
Na	Ca	Mg	Fe	Zn	B	Cr	Mn	V	Pb	Sb	Th	Tl
	K		Al	Ti	Cu	Ni		Co	Be	Cd	U	
					Li	Sn		As		Y	Ag	
								Se		La		
								Mo		Ce		
								Ba		Pr		
								Sr		Nd		

Linear Dynamic Range Standards

LDR-Ca,Na,K

The LDR-Ca,Na,K standard is prepared by diluting 1ml of the High Calibration Standard Intermediate Mix (ST100324-5, expires 2/28/2015) to a final volume of 10ml. The LDR-Ca,Na,K standard contains the following elements at the listed concentrations (ng/ml).

100000	50000	20000	10000	5000	2000	1000	500	300	100	20
Mg	Fe	Zn	B	Cr	Mn	V	Pb	Sb	Th	Tl
	Al	Ti	Cu	Ni		Co	Be	Cd	U	
			Li	Sn		As		Y	Ag	
						Se		La		
						Mo		Ce		
						Ba		Pr		
						Sr		Nd		

1000 Na

The 1000 Na standard is prepared by diluting 1ml of the 10000mg/L Na stock solution (ST100301-26, expires 2/28/2015) to a final volume of 10ml. The 1000 Na standard contains Na at 100000 ng/ml.

500 Ca

The 500 Ca standard is prepared by diluting 0.5ml of the 10000mg/L Ca stock solution (ST100301-9, expires 2/28/2015) to a final volume of 10ml. The 500 Ca standard contains Ca at 50000 ng/ml.

500 K

The 500 K standard is prepared by diluting 0.5ml of the 10000mg/L K stock solution (ST100301-22, expires 2/28/2015) to a final volume of 10ml. The 500 K standard contains K at 50000 ng/ml.

Linear Dynamic Range

The instrument Linear Dynamic Range (LDR) is determined at least every 6 months. The current LDR was determined on 9/22/2010. The file containing the LDR data is 10I22m00. The instrument LDR is given below (ng/ml).

1000000	500000	100000	50000	20000	10000	5000	2000	1000	500	300	100	20
Na	Ca	Mg	Fe	Zn	B	Cr	Mn	V	Pb	Sb	Th	Tl
	K		Al	Ti	Cu	Ni		Co	Be	Cd	U	
					Li	Sn		As		Y	Ag	
								Se		La		
								Mo		Ce		
								Ba		Pr		
								Sr		Nd		

ICB/CCB and all diluent

1% HNO_3, 1%HCl in double deionized water

HNO_3 Lot No. J29049
HCl Lot No. J34056

Internal Standards

Internal standards are introduced continuously using a second channel on the peristaltic pump. The internal standard solution is prepared from 1000mg/L stock solutions. The internal standard solution contains the following elements at the listed concentrations (ng/ml).

500	100	50
Li	Rh	Bi
Ga	In	
Ge	Pt	

Pipet ID Numbers

1.0 to 5.0 ml -- M-55
0.1 to 1.0ml -- M-61
0.01 to 0.1ml -- M-57
0.5ml -- M-14

Dilutions

2X dilutions made by diluting 5ml of sample to 10ml final volume
5X dilutions made by diluting 1ml of sample to 5ml final volume
10X dilutions made by diluting 1ml of sample to 10ml final volume
50X dilutions made by diluting 0.1ml of sample to 5ml final volume
100X dilutions made by diluting 0.1ml of sample to 10ml final volume
200X dilutions made by diluting 0.05ml of sample to 10ml final volume
500X dilutions made by diluting 0.02ml of sample to 10ml final volume

Analytical Spikes

None in this sequence.

Daily Maintenance Items

1. Check / change pump tubing
2. Check / clean drain containers
3. Tune instrument per manufacturer's procedures
4. Perform resolution / mass calibration / stability test and print QC tune report

Monthly Maintenance Items

1. Check / clean torch and cones
2. Check / clean nebulizer and spray chamber
3. Check / fill water recirculating reservoir
4. Check / fill vacuum pump oil

Additional Comments

No additional comments.

QC Tune Report

Data File: C:\ICPMH\1\7500\QCTUNE.D
Date Acquired: 17 Oct 2011 09:30:34 am
Operator:
Misc Info:
Vial Number: 0
Current Method: C:\ICPMH\1\METHODS\2008TUNE.m

Minimum Response(CPS)

Element	Actual	Required	Flag

RSD (%)

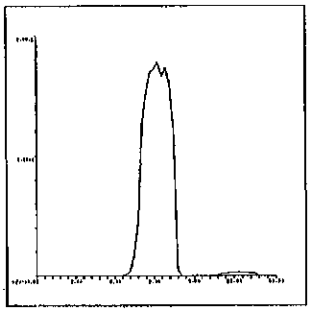
Element	Actual	Required	Flag
9 Be	2.86	5.00	
24 Mg	0.90	5.00	
25 Mg	0.94	5.00	
26 Mg	1.26	5.00	
59 Co	0.77	5.00	
115 In	1.07	5.00	
206 Pb	0.91	5.00	
207 Pb	1.60	5.00	
208 Pb	0.86	5.00	

Ion Ratio

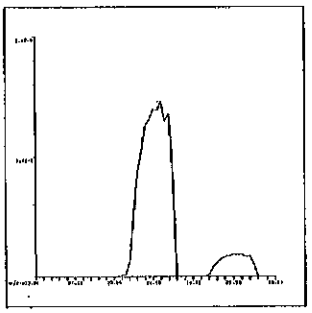
Element	Actual	Required	Flag

Maximum Bkg. Count(CPS)

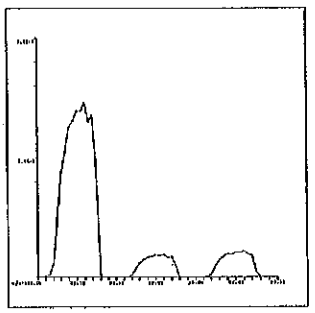
Element	Actual	Required	Flag



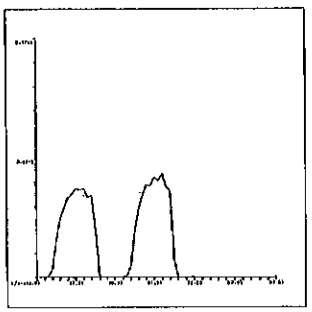
9 Be
Mass Calib.
Actual: 9.05
Required: 8.90-9.10
Flag:
Peak Width
Actual: 0.50
Required: 0.80
Flag:



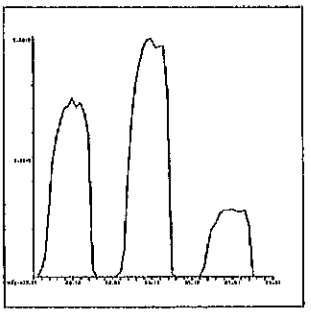
24 Mg
Mass Calib.
Actual: 24.10
Required: 23.90-24.10
Flag:
Peak Width
Actual: 0.55
Required: 0.80
Flag:



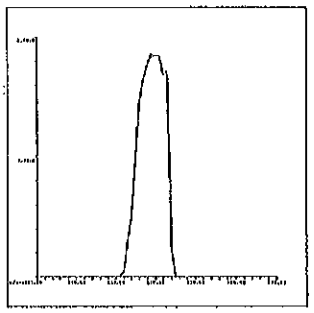
25 Mg
Mass Calib.
Actual: 25.05
Required: 24.90-25.10
Flag:
Peak Width
Actual: 0.55
Required: 0.80
Flag:



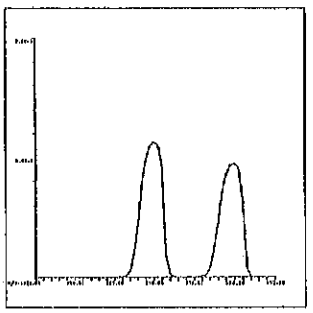
26 Mg
Mass Calib.
Actual: 26.00
Required: 25.90-26.10
Flag:
Peak Width
Actual: 0.55
Required: 0.80
Flag:



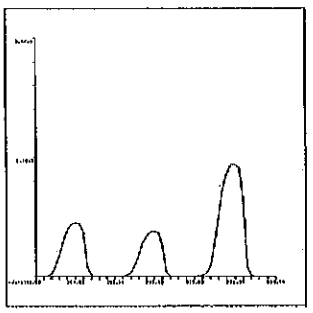
59 Co
Mass Calib.
Actual: 59.05
Required: 58.90-59.10
Flag:
Peak Width
Actual: 0.55
Required: 0.80
Flag:



115 In
Mass Calib.
Actual: 115.00
Required: 114.90-115.10
Flag:
Peak Width
Actual: 0.55
Required: 0.80
Flag:

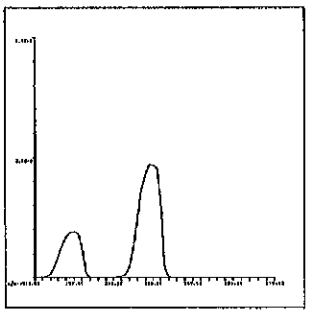


206 Pb
Mass Calib.
Actual: 206.00
Required: 205.90-206.10
Flag:
Peak Width
Actual: 0.40
Required: 0.80
Flag:



207 Pb
Mass Calib.
Actual: 206.95
Required: 206.90-207.10
Flag:
Peak Width
Actual: 0.45
Required: 0.80
Flag:

C:\ICPMH\1\7500\QCTUNE.D



208 Pb
Mass Calib.
Actual: 207.95
Required: 207.90-208.10
Flag:
Peak Width
Actual: 0.45
Required: 0.80
Flag:

QC Tune Result:Pass

Batch Summary Report

Batch Folder: C:¥ICPMH¥1¥DATA¥11J17q00.B¥
Analysis File: 11J17q00.batch.xml
Tune Step: #1 hehe.u
#2 nogas.u

	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
1		10/17/2011 4:50:28 PM	001SMPL.D	blank	Sample		1.0000
2		10/17/2011 4:54:10 PM	002CALB.D	blank	CalBlk	1	1.0000
3		10/17/2011 4:57:51 PM	003CALB.D	blank	CalBlk	1	1.0000
4		10/17/2011 5:01:33 PM	004CALS.D	H/1000	CalStd	2	1.0000
5		10/17/2011 5:05:13 PM	005CALS.D	H/100	CalStd	3	1.0000
6		10/17/2011 5:08:52 PM	006CALS.D	H/10	CalStd	4	1.0000
7		10/17/2011 5:12:31 PM	007CALS.D	HIGH	CalStd	5	1.0000
8		10/17/2011 5:19:50 PM	008SMPL.D	ICV	6-ICV		1.0000
9		10/17/2011 5:27:12 PM	009SMPL.D	ICB	6-CCB		1.0000
10		10/17/2011 5:30:54 PM	010SMPL.D	CRI1	Sample		1.0000
11		10/17/2011 5:34:35 PM	011SMPL.D	CRI2	Sample		1.0000
12		10/17/2011 5:38:16 PM	012SMPL.D	ICSA	Sample		1.0000
13		10/17/2011 5:41:57 PM	013SMPL.D	ICSAB	Sample		1.0000
14		10/17/2011 5:49:20 PM	014SMPL.D	ZZZZZZ	6-CCB		1.0000
15		10/17/2011 5:53:00 PM	015SMPL.D	IP111014-2MB 10X	6-CCB		1.0000
16		10/17/2011 5:56:40 PM	016SMPL.D	F111011-1MB 10X	6-CCB		1.0000
17		10/17/2011 6:00:21 PM	017SMPL.D	FM111011-1RVS 10X	Sample		1.0000
18		10/17/2011 6:04:01 PM	018SMPL.D	IM111014-2LCS 10X	6-LCS		1.0000
19		10/17/2011 6:07:40 PM	019SMPL.D	FM111011-1LCS 10X	6-LCS		1.0000
20		10/17/2011 6:15:03 PM	020SMPL.D	CCV	6-CCV		1.0000
21		10/17/2011 6:18:43 PM	021SMPL.D	CCB	6-CCB		1.0000
22		10/17/2011 6:22:23 PM	022SMPL.D	1110041-1 10X	Sample		1.0000
23		10/17/2011 6:26:03 PM	023SMPL.D	1110041-3 10X	Sample		1.0000
24		10/17/2011 6:29:44 PM	024SMPL.D	1110041-3D 10X	Sample		1.0000
25		10/17/2011 6:33:24 PM	025SMPL.D	1110041-3L 50X	Sample		1.0000
26		10/17/2011 6:37:03 PM	026SMPL.D	1110041-3MS 10X	Sample		1.0000
27		10/17/2011 6:40:45 PM	027SMPL.D	1110041-3MSD 10X	Sample		1.0000

	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
28		10/17/2011 6:44:26 PM	028SMPL.D	1110046-1 10X	Sample		1.0000
29		10/17/2011 6:48:08 PM	029SMPL.D	1110046-2 10X	Sample		1.0000
30		10/17/2011 6:51:48 PM	030SMPL.D	1110062-1 10X	Sample		1.0000
31		10/17/2011 6:55:29 PM	031SMPL.D	1110062-3 10X	Sample		1.0000
32		10/17/2011 7:02:51 PM	032SMPL.D	CCV	6-CCV		1.0000
33		10/17/2011 7:06:32 PM	033SMPL.D	CCB	6-CCB		1.0000
34		10/17/2011 7:10:14 PM	034SMPL.D	1110079-1 10X	Sample		1.0000
35		10/17/2011 7:13:54 PM	035SMPL.D	1110079-3 10X	Sample		1.0000
36		10/17/2011 7:17:35 PM	036SMPL.D	1109031-9 10X	Sample		1.0000
37		10/17/2011 7:24:57 PM	037SMPL.D	ZZZZZZ	Sample		1.0000
38		10/17/2011 7:28:36 PM	038SMPL.D	ZZZZZZ	Sample		1.0000
39		10/17/2011 7:35:59 PM	039SMPL.D	ZZZZZZ	Sample		1.0000
40		10/17/2011 7:39:40 PM	040SMPL.D	ZZZZZZ	Sample		1.0000
41		10/17/2011 7:43:21 PM	041SMPL.D	CCV	6-CCV		1.0000
42		10/17/2011 7:47:01 PM	042SMPL.D	CCB	6-CCB		1.0000

Analyte Table

		7 Li [2]		9 Be [2]		11 B [2]		23 Na [1]		26 Mg [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	blank		1012.04		7.33		1273.40		7011.79		110.00
2	blank	0.022	1005.37	0.009	9.33	-0.204	1168.95	3.503	7752.14	-1.855	136.67
3	blank	0.000	921.36	0.009	9.33	-0.065	1292.29	0.000	7311.95	0.000	170.01
4	H/1000	1.009	5335.55	0.065	110.67	0.917	2367.97	105.106	21464.64	9.256	373.35
5	H/100	10.005	44068.90	0.474	844.03	10.164	11432.82	990.887	134246.01	97.628	2146.90
6	H/10	99.915	428677.02	5.003	8925.70	99.983	100284.92	10322.627	1307914.02	1029.145	20603.37
7	HIGH	1000.008	4424156.83	50.000	94044.22	999.940	1167019.81	99967.823	12762129.81	9997.110	201130.49
8	ICV	194.524	875032.73	9.473	17775.28	191.614	203166.61	20585.733	2794527.46	1910.441	40937.37
9	ICB	0.572	3055.63	0.026	36.67	4.301	5013.02	-3.539	6778.34	-4.288	90.01
10	CRI1	1.450	7032.17	0.063	104.67	3.991	5221.97	121.707	23330.46	4.945	283.35
11	CRI2	2.452	11115.03	0.127	213.33	4.494	5651.00	208.566	33337.49	20.768	580.04
12	ICSA	0.393	2861.60	0.021	34.67	2.080	3723.79	25404.740	3399178.28	9578.274	201605.94
13	ICSAB	96.378	447568.61	4.827	9320.60	96.733	105009.86	34994.869	4838512.43	10557.348	229766.54
14	ZZZZZZ	0.351	2212.16	0.019	26.00	1.920	2945.85	-2.182	6965.08	-5.983	60.00
15	IP111014-2MB ...	0.304	2010.80	0.019	24.67	1.242	2330.24	-3.841	6574.90	-3.213	106.68
16	F111011-1MB ...	0.268	1859.45	0.020	26.67	0.631	1805.67	-8.291	5954.62	-7.160	36.67
17	FM111011-1RV...	1.205	5422.90	0.066	98.00	1.806	2841.40	88.433	17062.69	9.285	330.02
18	IM111014-2LCS...	95.424	396295.64	4.714	8140.00	95.431	92613.09	1002.199	130702.14	972.236	18978.23
19	FM111011-1LC...	97.980	395049.71	4.872	8168.00	100.878	95085.55	1020.036	132772.61	984.206	19191.67
20	CCV	96.403	401629.37	4.669	8084.62	97.325	94787.23	10037.270	1290488.89	958.095	19478.53
21	CCB	0.390	2287.51	0.018	23.33	3.437	4130.55	-9.423	5978.01	-3.781	96.67
22	1110041-1 10X	1.510	7043.50	0.014	19.33	3.678	4764.06	24355.500	2981096.00	30.898	773.38
23	1110041-3 10X	1.489	6944.80	0.010	12.00	2.931	4070.55	25646.092	3171319.23	35.987	880.07
24	1110041-3D 10X	1.525	7102.86	0.020	28.67	2.891	4040.52	25902.929	3191306.20	31.920	796.72
25	1110041-3L 50X	0.462	2787.58	0.014	19.33	1.117	2389.09	5122.345	610967.06	2.217	213.35
26	1110041-3MS 10X	96.437	393659.61	4.615	7837.18	96.584	92167.63	27311.813	3356507.35	1006.128	19618.85
27	1110041-3MSD ...	97.441	399576.02	4.767	8125.98	99.968	95827.62	27696.273	3388062.86	1008.815	19575.45
28	1110046-1 10X	0.723	3863.80	0.014	18.67	4.325	5355.35	12742.979	1562208.21	19.352	550.03
29	1110046-2 10X	0.616	3461.05	0.011	14.67	3.063	4235.05	12925.571	1598234.35	19.585	560.03
30	1110062-1 10X	1.038	5211.50	0.018	26.00	5.115	6174.52	19113.725	2393992.10	95.849	2066.89
31	1110062-3 10X	1.016	5147.48	0.017	24.67	4.930	6035.58	19111.971	2373611.47	105.642	2243.57

Analyte Table

		7 Li [2]		9 Be [2]		11 B [2]		23 Na [1]		26 Mg [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	CCV	97.362	404683.44	4.802	8297.40	96.244	93510.34	10410.879	1327988.57	991.297	19992.56
33	CCB	0.296	1954.13	0.014	17.33	2.420	3295.94	-3.561	6661.59	-3.255	106.67
34	1110079-1 10X	0.802	4161.21	0.014	18.00	5.742	6619.14	10125.683	1246443.63	420.722	8289.09
35	1110079-3 10X	0.792	4125.87	0.013	17.33	5.393	6310.12	9964.492	1255624.90	396.394	8008.95
36	1109031-9 10X	0.210	1677.43	0.016	21.33	8.708	8783.45	75.403	15647.85	-1.614	136.68
37	ZZZZZZ	94.094	384543.25	4.601	7813.15	94.742	90506.23	987.316	130221.70	945.052	18644.40
38	ZZZZZZ	95.266	388937.57	4.699	7975.92	97.277	92835.36	972.610	128889.94	958.330	18974.87
39	ZZZZZZ	0.228	1714.10	0.015	19.33	1.385	2442.44	-17.702	5137.70	-7.620	30.00
40	ZZZZZZ	0.167	1490.08	0.012	14.00	0.786	1940.13	-19.548	4994.28	-4.894	80.00
41	CCV	96.952	402542.77	4.691	8093.96	95.681	92865.53	9929.997	1278519.59	983.871	20019.41
42	CCB	0.299	2008.14	0.019	25.33	2.427	3373.71	-18.208	5194.34	-3.102	113.34

Analyte Table

		27 Al [1]		39 K [1]		44 Ca [1]		49 Ti [1]		51 V [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	blank		33.33		13719.54		35.32		30.00		374.68
2	blank	0.403	56.67	15.929	12998.95	-5.123	22.43	-0.343	16.67	0.103	385.34
3	blank	0.000	26.67	10.888	12581.93	0.000	52.66	0.000	33.33	0.108	391.01
4	H/1000	160.678	13135.68	48.573	16785.80	61.927	467.47	1.540	120.00	0.204	591.68
5	H/100	52.780	4324.12	489.353	50952.57	454.295	3053.57	17.161	960.07	1.012	1945.79
6	H/10	494.755	41355.49	5001.211	394586.17	4814.923	31445.27	191.589	10240.31	9.752	16424.11
7	HIGH	5000.341	417596.14	50000.873	3694497.44	50018.953	330332.42	2000.870	108008.27	100.025	168330.96
8	ICV	998.665	88080.91	10282.680	852509.18	10056.462	70499.00	379.648	21768.57	18.975	34088.15
9	ICB	0.231	43.33	11.106	12371.87	-1.667	42.36	-0.335	16.67	0.043	286.67
10	CRI1	42.111	3463.86	55.276	17119.51	56.645	427.91	2.004	143.34	0.125	455.01
11	CRI2	22.312	1803.51	99.828	19972.79	118.698	808.69	2.922	186.68	0.231	614.01
12	ICSA	9286.987	813820.74	9975.705	816287.69	29626.729	204695.05	180.270	10213.63	-0.006	250.67
13	ICSAB	10024.854	902750.33	15147.081	1267413.68	34685.214	247775.85	380.677	22252.55	9.774	18035.11
14	ZZZZZZ	0.226	43.33	11.363	12451.82	-3.925	29.10	-0.266	20.00	-0.013	203.67
15	IP111014-2MB ...	0.772	80.00	19.287	12612.04	9.956	108.43	-0.104	26.67	-0.022	184.00
16	F111011-1MB ...	0.904	90.00	10.384	11764.63	-6.586	12.66	-0.317	16.67	-0.015	191.00
17	FM111011-1RV...	6.276	493.36	60.801	15651.39	37.722	271.24	1.557	106.67	0.067	319.67
18	IM111014-2LCS...	483.351	38351.29	513.658	50888.84	1006.121	6444.78	189.902	9890.04	9.628	15798.86
19	FM111011-1LC...	476.618	38234.68	525.768	51731.57	1002.087	6415.63	182.336	9489.85	9.628	15786.17
20	CCV	491.609	40994.44	4938.196	395410.87	5030.432	33321.87	192.597	10443.73	9.560	16337.03
21	CCB	0.945	93.34	6.827	11821.32	-2.172	38.35	-0.609	3.33	-0.003	213.67
22	1110041-1 10X	2.135	200.01	131.736	22239.06	408.005	2633.44	-0.615	3.33	-0.007	227.33
23	1110041-3 10X	6.751	566.70	141.287	23190.32	412.043	2686.83	-0.105	30.00	-0.014	218.00
24	1110041-3D 10X	7.473	630.04	147.584	23564.26	442.960	2868.62	-0.680	0.00	-0.004	234.33
25	1110041-3L 50X	1.780	166.67	36.176	14610.36	73.894	504.40	-0.614	3.33	-0.005	222.33
26	1110041-3MS 10X	458.606	37392.75	634.976	59911.97	1405.376	8968.52	189.333	9856.66	9.366	15368.45
27	1110041-3MSD ...	475.187	38127.68	655.484	61149.90	1462.604	9299.93	188.905	9786.65	9.491	15492.89
28	1110046-1 10X	2.959	260.01	61.017	16965.83	362.938	2351.17	-0.232	23.33	0.025	279.00
29	1110046-2 10X	4.017	353.35	51.196	16378.64	373.075	2432.09	-0.424	13.33	0.032	292.33
30	1110062-1 10X	2.402	223.35	54.488	16869.19	6705.500	43359.51	-0.617	3.33	-0.009	228.67
31	1110062-3 10X	32.264	2673.66	55.759	16822.29	6535.836	41926.26	0.395	56.67	0.055	331.67

Analyte Table

		27 Al [1]		39 K [1]		44 Ca [1]		49 Ti [1]		51 V [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	CCV	497.955	41789.66	5042.899	400280.71	4843.502	31855.79	194.905	10513.80	9.799	16600.61
33	CCB	0.332	50.00	8.434	11981.40	-5.701	18.42	-0.538	6.67	-0.007	207.67
34	1110079-1 10X	1.755	166.68	59.935	16935.90	1846.021	11745.10	-0.680	0.00	-0.002	236.00
35	1110079-3 10X	3.892	340.02	45.530	16228.47	1774.496	11562.27	-0.488	10.00	0.010	261.00
36	1109031-9 10X	0.933	93.34	12.519	12375.09	4.091	75.58	-0.539	6.67	0.026	259.33
37	ZZZZZZ	455.900	37088.56	507.573	50955.34	955.359	6187.45	183.283	9646.54	9.259	15360.44
38	ZZZZZZ	456.347	37429.33	488.513	49708.48	922.942	6001.31	187.828	9923.44	9.243	15394.80
39	ZZZZZZ	0.053	30.00	10.607	12271.78	1.714	61.83	-0.471	10.00	0.005	228.00
40	ZZZZZZ	0.277	46.67	6.720	12175.00	-4.647	25.09	-0.543	6.67	0.014	245.00
41	CCV	489.332	40837.53	4870.992	390808.63	4749.033	31500.72	179.458	9749.97	9.443	16162.20
42	CCB	0.502	63.33	3.403	12044.87	-5.249	21.60	-0.612	3.33	0.009	240.33

Analyte Table

		52 Cr [1]		55 Mn [1]		56 Fe [1]		59 Co [1]		60 Ni [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	blank		211.12		58.89		1443.47		5.56		523.35
2	blank	0.005	184.45	-0.004	55.55	-0.137	1400.12	0.005	16.67	-0.075	523.35
3	blank	0.000	174.45	0.000	61.11	0.000	1643.48	0.000	3.33	-0.075	520.02
4	H/1000	0.491	1128.95	0.215	408.90	8.985	20006.34	0.105	333.34	0.363	902.26
5	H/100	4.740	9216.01	2.003	3248.14	54.382	111734.44	1.011	3162.57	4.817	4238.39
6	H/10	49.393	93138.64	19.936	31374.33	499.522	1000058.48	10.000	30931.36	50.438	37990.60
7	HIGH	500.063	953579.13	200.006	318266.97	4667.514	9451222.15	100.000	313265.22	499.958	375857.90
8	ICV	97.643	197678.59	40.021	67617.78	1043.902	2243636.22	19.189	63771.69	97.472	78274.91
9	ICB	0.008	185.56	0.016	82.22	0.035	1680.18	0.005	17.78	-0.064	518.90
10	CRI1	0.620	1360.08	0.812	1345.63	251.299	505243.00	0.117	365.56	0.491	987.82
11	CRI2	1.026	2066.82	0.487	808.92	15.228	31411.20	0.190	577.80	0.934	1278.96
12	ICSA	0.695	1585.65	1.942	3302.59	22765.267	48211194.28	0.022	76.67	-0.285	434.46
13	ICSAB	49.707	102720.08	20.992	36198.60	23259.693	50936455.91	10.105	34247.96	50.349	41556.94
14	ZZZZZZ	0.016	198.89	-0.004	54.44	2.094	5427.83	0.009	27.78	-0.271	382.23
15	IP111014-2MB ...	0.013	188.89	0.023	90.00	2.186	5421.19	0.006	20.00	0.062	586.69
16	F111011-1MB ...	0.011	181.12	-0.010	43.33	1.407	3970.68	0.005	17.78	0.090	594.46
17	FM111011-1RV...	0.517	1040.05	0.215	361.12	7.192	14453.95	0.119	332.23	0.365	797.81
18	IM111014-2LCS...	48.946	89931.08	19.883	30486.06	501.185	977509.33	10.034	30235.73	50.860	37316.86
19	FM111011-1LC...	49.962	91710.75	20.323	31129.42	508.342	990505.01	9.988	30068.74	52.270	38299.05
20	CCV	48.584	92949.92	19.424	31018.11	495.265	1005885.69	9.753	30604.15	49.690	37977.26
21	CCB	0.010	183.34	0.008	70.00	1.978	5081.01	0.006	18.89	-0.126	467.79
22	1110041-1 10X	0.001	185.56	1.195	1883.48	2.849	7251.91	0.005	18.89	0.144	705.58
23	1110041-3 10X	0.023	227.78	1.957	3077.00	14.459	30058.51	0.010	34.45	0.236	780.03
24	1110041-3D 10X	0.034	246.67	2.051	3211.48	15.313	31614.96	0.008	26.67	0.250	785.59
25	1110041-3L 50X	0.017	207.78	0.445	716.69	3.967	9086.24	0.002	8.89	0.160	692.24
26	1110041-3MS 10X	47.945	88042.34	21.352	32713.63	495.372	965707.75	9.572	28825.38	48.413	35541.80
27	1110041-3MSD ...	49.078	89705.67	21.475	32752.57	504.992	979576.78	9.909	29694.66	50.341	36746.63
28	1110046-1 10X	0.006	194.45	2.171	3367.06	1.767	5151.05	0.009	30.00	-0.057	560.02
29	1110046-2 10X	0.011	205.56	2.369	3700.45	2.774	7161.86	0.005	17.78	0.160	723.36
30	1110062-1 10X	0.051	282.23	5.415	8492.30	2.376	6478.35	0.008	26.67	0.004	618.91
31	1110062-3 10X	0.213	581.13	6.259	9726.30	53.722	107275.32	0.032	101.11	0.118	696.69

Analyte Table

		52 Cr [1]		55 Mn [1]		56 Fe [1]		59 Co [1]		60 Ni [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	CCV	49.653	94252.98	19.926	31564.79	500.452	1008264.05	10.006	31146.33	50.970	38627.68
33	CCB	0.016	195.56	0.008	70.00	0.373	2253.59	0.008	24.44	-0.138	461.12
34	1110079-1 10X	0.006	195.56	1.054	1673.44	1.881	5391.14	0.007	23.33	-0.015	593.35
35	1110079-3 10X	0.009	205.56	0.982	1598.99	4.478	10677.24	0.006	23.33	-0.002	616.69
36	1109031-9 10X	0.027	215.56	0.106	208.89	0.814	3063.77	0.002	10.00	0.109	630.02
37	ZZZZZZ	47.401	87999.71	19.068	29543.28	480.140	946251.57	9.629	29311.75	49.487	36702.11
38	ZZZZZZ	47.474	88474.59	19.026	29590.03	481.234	952026.29	9.490	29004.55	49.505	36859.20
39	ZZZZZZ	0.006	180.00	0.004	65.56	0.180	1930.21	0.027	78.93	0.023	574.46
40	ZZZZZZ	-0.005	164.45	-0.004	54.45	0.093	1796.84	0.004	14.44	-0.147	467.79
41	CCV	47.839	91645.00	19.472	31133.95	488.649	993786.39	9.679	30403.80	49.226	37680.02
42	CCB	-0.003	170.00	0.008	72.22	0.155	1930.21	0.007	24.44	-0.177	451.12

Analyte Table

		63 Cu [1]		66 Zn [1]		75 As [1]		78 Se [1]		88 Sr [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	blank		652.24		180.01		2.67		0.80		60.00
2	blank	0.026	714.47	0.454	223.34	0.012	4.33	-0.010	0.53	0.004	40.00
3	blank	0.000	668.92	0.339	166.68	0.000	0.67	0.000	0.93	0.000	30.00
4	H/1000	1.375	3222.60	14.791	7985.67	0.107	36.33	0.097	5.07	0.133	410.02
5	H/100	11.056	20677.70	37.886	20396.90	1.050	349.34	1.029	43.87	0.989	2823.72
6	H/10	108.922	195016.17	197.851	104352.97	10.010	3286.34	9.704	415.88	9.861	27551.56
7	HIGH	999.097	1806099.44	2000.108	962829.91	99.999	33248.05	100.029	4276.30	100.014	282764.45
8	ICV	210.089	403454.52	364.586	204736.09	18.953	6685.39	20.175	911.36	19.308	57932.64
9	ICB	0.065	761.14	0.346	166.68	0.016	5.33	-0.003	0.80	0.006	43.33
10	CRI1	1.330	3105.89	66.942	35650.22	0.086	29.00	0.062	3.60	0.128	390.02
11	CRI2	2.390	4861.91	8.077	4200.75	0.210	68.00	0.218	9.87	0.228	653.38
12	ICSA	0.318	1370.08	3.429	1936.87	0.032	12.00	0.014	1.73	1.314	3920.65
13	ICSAB	106.244	208449.63	214.756	124029.67	10.127	3643.09	10.455	482.81	11.211	34321.07
14	ZZZZZZ	0.082	792.25	0.433	210.01	0.011	4.00	0.000	0.93	0.004	40.00
15	IP111014-2MB ...	0.049	716.70	0.980	460.03	0.009	3.33	0.016	1.47	0.017	70.00
16	F111011-1MB ...	-0.066	525.57	0.398	183.34	0.005	2.00	-0.013	0.40	0.001	30.00
17	FM111011-1RV...	1.114	2426.88	2.650	1263.45	0.110	33.00	0.091	4.40	0.145	390.02
18	IM111014-2LCS...	107.796	188026.94	189.678	97510.73	9.759	3121.31	10.568	429.74	9.966	27127.21
19	FM111011-1LC...	108.486	189045.30	185.001	95050.39	9.948	3178.66	10.272	422.28	10.017	27237.57
20	CCV	106.881	194127.04	196.071	104923.78	9.709	3233.00	9.993	427.34	9.892	28032.25
21	CCB	-0.036	584.46	0.445	210.01	0.002	1.33	-0.006	0.67	0.018	73.34
22	1110041-1 10X	1.765	3754.94	1.956	1010.08	0.012	4.67	-0.005	0.80	23.768	64323.31
23	1110041-3 10X	5.551	10406.77	6.872	3587.24	0.009	3.67	-0.001	0.93	24.982	68319.80
24	1110041-3D 10X	5.991	11141.71	7.340	3813.96	0.010	4.00	0.012	1.47	25.198	68688.49
25	1110041-3L 50X	1.170	2631.36	2.351	1173.43	0.009	3.33	0.003	1.07	5.136	13436.31
26	1110041-3MS 10X	110.383	192422.47	189.335	97299.50	9.494	3034.96	9.759	408.01	34.540	93880.72
27	1110041-3MSD ...	112.608	195334.13	192.300	98302.50	9.991	3177.99	9.946	408.94	35.952	97237.24
28	1110046-1 10X	0.183	1020.05	18.916	9753.42	0.112	36.33	0.039	2.53	9.292	25150.85
29	1110046-2 10X	0.257	1156.72	1.216	633.37	0.110	36.00	-0.011	0.53	9.090	24813.52
30	1110062-1 10X	0.095	887.82	11.828	6248.15	0.019	7.00	0.008	1.33	171.749	475084.50
31	1110062-3 10X	0.232	1121.17	25.017	13089.11	0.010	4.00	-0.008	0.67	169.724	465543.21

Analyte Table

		63 Cu [1]		66 Zn [1]		75 As [1]		78 Se [1]		88 Sr [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	CCV	108.596	195658.72	199.569	105929.41	9.949	3286.68	9.961	428.54	9.962	28022.14
33	CCB	-0.034	591.13	0.422	200.01	0.008	3.00	0.011	1.33	0.017	70.00
34	1110079-1 10X	-0.033	647.80	1.075	556.70	0.010	4.00	0.005	1.20	67.697	183547.28
35	1110079-3 10X	0.368	1374.52	1.452	766.73	0.004	2.00	0.046	2.93	65.568	182034.67
36	1109031-9 10X	-0.042	584.46	2.183	1043.42	0.002	1.33	0.008	1.20	0.067	196.68
37	ZZZZZZ	102.402	180501.87	183.863	95536.43	9.595	3100.64	9.903	413.08	9.494	26115.54
38	ZZZZZZ	103.418	182983.61	178.219	92980.77	9.556	3100.64	10.059	422.94	9.236	25494.58
39	ZZZZZZ	-0.097	496.68	0.424	203.35	0.009	3.33	0.098	4.53	0.015	66.67
40	ZZZZZZ	-0.075	540.02	0.433	210.01	0.006	2.33	0.008	1.20	0.016	70.00
41	CCV	106.093	192966.73	198.637	106422.68	9.634	3212.67	9.966	426.01	9.257	26275.87
42	CCB	-0.054	578.91	0.428	210.01	0.003	1.67	0.001	0.93	0.018	76.67

Analyte Table

		89 Y [1]		98 Mo [1]		109 Ag [1]		111 Cd [1]		118 Sn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	blank		0.00		13.33		1.11		1.33		1170.09
2	blank	0.001	3.33	-0.002	10.00	0.002	11.11	0.002	2.00	0.020	1323.46
3	blank	0.000	0.00	0.000	14.44	0.000	5.55	0.000	0.67	0.000	1123.43
4	H/1000	0.034	183.34	0.092	223.34	0.011	45.55	0.047	38.64	0.543	7228.61
5	H/100	0.285	1523.48	0.947	2137.95	0.111	398.90	0.337	270.41	5.071	57914.53
6	H/10	2.831	14974.33	9.797	21713.83	1.036	3650.48	3.042	2502.88	49.934	563590.09
7	HIGH	30.017	160842.92	100.021	224433.88	9.996	35620.12	29.995	24663.68	500.006	5913376.78
8	ICV	5.544	31512.05	18.666	44440.65	1.948	7369.59	6.003	5210.77	101.470	1200956.88
9	ICB	0.000	0.00	0.004	22.22	-0.001	3.33	0.002	2.00	0.113	2176.95
10	CRI1	0.032	170.01	0.130	304.45	0.012	48.89	0.043	35.29	0.713	8936.31
11	CRI2	0.055	283.35	0.190	424.46	0.023	84.45	0.075	59.28	1.192	14130.21
12	ICSA	0.006	33.33	189.230	444110.59	0.012	52.22	0.003	3.37	0.154	3153.79
13	ICSAB	2.947	17083.19	201.302	488557.81	1.008	3892.76	3.043	2698.84	50.375	626698.34
14	ZZZZZZ	0.002	10.00	0.042	98.89	-0.001	2.22	0.005	3.99	0.071	1780.20
15	IP111014-2MB ...	0.003	13.33	0.016	45.55	0.001	8.89	0.005	3.99	0.092	1953.55
16	F111011-1MB ...	0.002	10.00	0.012	36.67	-0.001	3.33	0.001	1.33	0.198	2950.44
17	FM111011-1RV...	0.032	153.34	0.099	211.12	0.012	44.44	0.027	20.64	0.577	6781.82
18	IM111014-2LCS...	2.791	14380.35	9.787	21130.82	1.066	3659.37	3.195	2494.29	52.057	562870.76
19	FM111011-1LC...	2.797	14403.71	10.046	21673.73	1.066	3654.93	3.200	2526.90	51.906	557762.67
20	CCV	2.831	15201.24	9.674	21756.09	1.031	3683.82	3.071	2520.22	49.952	553541.48
21	CCB	0.001	3.33	0.028	68.89	-0.001	3.33	0.002	1.99	0.087	1900.20
22	1110041-1 10X	0.009	46.67	0.779	1686.78	-0.002	0.00	0.001	1.79	0.111	2340.29
23	1110041-3 10X	0.011	56.67	0.729	1594.55	-0.001	3.33	0.006	5.80	0.141	2643.69
24	1110041-3D 10X	0.013	70.01	0.780	1702.34	-0.001	3.33	0.006	5.12	0.144	2703.70
25	1110041-3L 50X	0.005	23.33	0.161	347.79	0.001	8.89	0.003	3.29	0.038	1543.49
26	1110041-3MS 10X	2.798	14413.69	10.096	21789.50	0.981	3365.96	3.029	2430.19	50.294	543335.15
27	1110041-3MSD ...	3.001	15384.58	10.419	22374.68	0.983	3357.08	3.109	2455.46	50.910	550336.91
28	1110046-1 10X	0.006	33.33	0.161	360.01	0.001	7.78	0.002	1.96	0.088	2113.57
29	1110046-2 10X	0.004	20.00	0.132	300.01	-0.001	1.11	0.007	5.97	0.058	1810.18
30	1110062-1 10X	0.007	36.67	0.236	533.35	-0.002	0.00	0.007	6.60	0.076	2016.89
31	1110062-3 10X	0.026	133.34	0.216	485.57	0.000	5.56	0.009	7.94	0.054	1776.87

Analyte Table

		89 Y [1]		98 Mo [1]		109 Ag [1]		111 Cd [1]		118 Sn [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	CCV	2.932	15631.54	9.688	21595.93	1.041	3684.93	3.029	2501.57	50.105	552110.81
33	CCB	0.000	0.00	0.008	28.89	0.000	4.45	0.007	5.33	0.079	1816.86
34	1110079-1 10X	0.000	0.00	0.119	271.12	-0.001	2.22	0.002	1.97	0.062	1810.19
35	1110079-3 10X	0.002	13.33	0.074	177.78	-0.001	2.22	0.021	17.98	0.060	1810.20
36	1109031-9 10X	0.003	13.33	0.069	151.11	-0.001	1.11	0.006	4.65	0.037	1450.14
37	ZZZZZZ	2.667	13886.54	9.381	20467.71	0.948	3285.95	3.071	2457.69	49.280	528461.19
38	ZZZZZZ	2.725	14243.56	9.459	20718.11	0.994	3460.43	2.959	2388.32	50.269	541293.10
39	ZZZZZZ	0.000	0.00	0.019	51.11	0.000	4.45	-0.001	-0.01	0.049	1536.81
40	ZZZZZZ	0.001	3.33	0.002	17.78	0.001	7.78	0.003	2.67	0.032	1373.46
41	CCV	2.848	15308.08	9.756	21965.25	0.975	3491.55	3.154	2592.20	49.666	550474.73
42	CCB	0.001	6.67	0.018	51.11	0.000	4.44	0.006	5.33	0.057	1643.50

Analyte Table

		121 Sb [1]		137 Ba [2]		139 La [2]		140 Ce [2]		141 Pr [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	blank		92.22		90.00		1083.43		1683.50		146.68
2	blank	0.002	122.23	0.010	146.68	0.001	1143.45	-0.002	1790.19	-0.003	83.34
3	blank	0.000	116.67	0.000	90.00	0.000	1073.43	0.000	1890.21	0.000	253.35
4	H/1000	0.055	315.56	0.489	3203.82	0.039	3343.86	0.040	4134.08	0.029	2113.58
5	H/100	0.301	1158.95	1.083	7025.35	0.302	18431.79	0.308	18271.64	0.293	19182.67
6	H/10	2.896	10341.29	10.059	64950.49	2.900	168359.95	3.029	162968.55	2.885	188002.49
7	HIGH	30.010	105930.16	99.993	677018.90	30.010	1817505.96	29.997	1675558.05	30.012	2050471.64
8	ICV	5.692	21322.54	19.903	134816.51	5.727	347823.59	5.796	325375.76	5.675	387893.20
9	ICB	0.003	124.45	0.003	100.00	0.010	1506.83	0.015	2486.98	-0.001	210.01
10	CRI1	0.128	568.91	0.151	1033.43	0.035	3087.14	0.050	4517.53	0.030	2173.58
11	CRI2	0.072	366.68	0.348	2260.28	0.060	4487.59	0.073	5711.35	0.061	4100.74
12	ICSA	0.052	328.90	0.661	4664.25	0.011	1910.21	0.036	4244.15	0.002	460.03
13	ICSAB	3.045	11714.55	10.524	74889.21	2.877	184164.55	2.961	175638.89	2.868	205999.00
14	ZZZZZZ	0.005	132.23	0.011	150.01	0.001	1063.43	0.012	2370.29	0.000	216.68
15	IP111014-2MB ...	-0.003	100.00	0.022	206.68	0.031	2530.32	0.052	4164.13	0.004	446.70
16	F111011-1MB ...	-0.014	70.00	0.006	116.67	0.006	1313.46	0.014	2370.31	-0.001	203.34
17	FM111011-1RV...	0.026	196.67	0.132	833.39	1.076	55564.30	1.431	68576.62	0.153	9006.34
18	IM111014-2LCS...	3.023	10243.50	10.315	63823.02	2.905	161604.14	2.979	153603.11	2.950	184168.78
19	FM111011-1LC...	3.003	10285.74	10.524	64692.60	2.919	161356.64	3.013	154317.65	2.976	184595.54
20	CCV	2.964	10554.81	10.405	65965.48	2.924	166686.92	3.071	162165.17	2.897	185308.62
21	CCB	-0.007	91.11	0.023	210.01	0.001	1043.43	0.011	2260.28	-0.001	153.34
22	1110041-1 10X	-0.003	115.56	24.267	147900.58	0.053	3977.34	0.071	5484.58	0.006	613.38
23	1110041-3 10X	-0.004	112.22	25.585	155269.24	0.013	1800.19	0.032	3547.27	0.004	490.25
24	1110041-3D 10X	0.003	136.67	26.220	161155.08	0.017	2040.24	0.036	3773.96	0.002	403.36
25	1110041-3L 50X	-0.001	118.89	5.315	32214.76	0.004	1326.79	0.012	2520.32	-0.001	220.01
26	1110041-3MS 10X	2.869	9995.54	36.090	222796.01	2.831	157335.69	2.884	148579.07	2.861	178386.27
27	1110041-3MSD ...	2.936	10062.26	36.370	224716.96	2.904	161512.94	3.022	155744.61	2.898	180826.89
28	1110046-1 10X	0.022	194.45	3.572	22090.11	0.025	2500.35	0.043	4120.75	0.001	343.35
29	1110046-2 10X	-0.004	111.11	3.662	22877.75	0.021	2276.97	0.030	3503.91	0.001	323.35
30	1110062-1 10X	0.018	188.89	4.310	27078.00	0.036	3173.82	0.050	4550.88	0.003	483.36
31	1110062-3 10X	-0.002	120.00	6.836	43004.30	0.055	4204.12	0.109	7635.59	0.012	1023.42

Analyte Table

		121 Sb [1]		137 Ba [2]		139 La [2]		140 Ce [2]		141 Pr [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	CCV	2.975	10667.11	10.204	64318.28	2.957	167585.68	3.122	163877.41	2.885	183490.69
33	CCB	-0.009	85.56	0.011	143.34	0.002	1096.77	0.002	1833.51	-0.001	163.34
34	1110079-1 10X	0.001	124.45	4.103	25111.39	0.034	2980.43	0.050	4437.51	0.004	486.70
35	1110079-3 10X	-0.005	107.78	4.000	24700.64	0.013	1826.87	0.024	3160.49	0.001	333.36
36	1109031-9 10X	0.003	122.22	0.069	476.70	0.123	7288.66	0.175	10027.08	0.011	893.40
37	ZZZZZZ	2.877	9998.89	9.820	60231.39	2.793	154153.47	2.836	145106.98	2.812	174087.43
38	ZZZZZZ	2.764	9690.93	10.102	62222.84	2.857	158236.99	2.952	151599.30	2.862	177903.16
39	ZZZZZZ	-0.005	98.89	0.016	176.68	0.005	1270.12	0.006	2036.88	-0.002	140.01
40	ZZZZZZ	-0.008	88.89	0.010	140.01	0.001	1046.75	0.005	2000.24	-0.001	196.68
41	CCV	2.967	10580.36	9.984	63294.26	2.940	167595.99	3.105	163998.37	2.895	185212.28
42	CCB	0.000	115.56	0.011	150.01	-0.001	956.74	0.004	2010.21	-0.002	106.67

Analyte Table

		146 Nd [2]		205 Tl [2]		206 (Pb) [2]		207 (Pb) [2]		208 Pb [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	blank		60.00		44.76		173.34		106.67		630.04
2	blank	-0.004	66.67	0.000	30.48	0.004	193.35	-0.003	173.34	0.000	736.71
3	blank	0.000	113.34	0.000	33.81	0.000	153.34	0.000	200.01	0.000	760.05
4	H/1000	0.026	403.36	0.002	100.48	0.061	863.40	0.061	793.40	0.064	3657.04
5	H/100	0.301	3470.56	0.020	660.97	0.529	6318.36	0.540	5424.58	0.532	24792.67
6	H/10	2.869	32258.23	0.197	6237.06	5.205	61268.58	5.145	50347.98	5.159	235744.12
7	HIGH	30.013	353040.58	2.000	65957.36	49.979	621029.13	49.985	515712.05	49.984	2409756.08
8	ICV	5.752	67763.21	0.404	13496.19	9.774	119193.20	10.154	102889.66	10.002	473409.71
9	ICB	0.001	116.68	0.007	234.77	-0.001	140.01	-0.010	106.67	-0.002	646.71
10	CRI1	0.033	476.70	0.025	800.03	0.085	1146.78	0.076	943.41	0.080	4397.16
11	CRI2	0.054	700.05	0.045	1415.79	0.128	1610.17	0.107	1210.12	0.118	5974.14
12	ICSA	0.002	156.67	0.004	179.53	0.028	533.37	0.018	416.70	0.023	2000.17
13	ICSAB	2.901	35966.35	0.199	6676.31	5.275	65146.13	5.391	55351.89	5.277	252996.07
14	ZZZZZZ	-0.004	70.00	0.003	108.57	0.005	206.68	-0.005	146.68	-0.001	706.72
15	IP111014-2MB ...	0.009	190.01	0.002	96.67	0.006	213.35	0.008	256.68	0.007	1020.06
16	F111011-1MB ...	-0.001	93.34	0.001	66.19	0.005	196.68	-0.001	180.01	0.004	860.06
17	FM111011-1RV...	0.365	3700.67	0.021	625.26	0.069	863.41	0.061	720.06	0.067	3423.67
18	IM111014-2LCS...	2.999	32308.64	0.202	6177.99	5.311	60827.04	5.298	50478.05	5.248	233437.19
19	FM111011-1LC...	2.970	31784.10	0.213	6396.65	5.412	60401.53	5.380	49922.77	5.390	233550.51
20	CCV	2.986	32956.37	0.200	6211.34	5.134	59601.70	5.119	49397.39	5.123	230894.80
21	CCB	-0.006	46.67	0.008	248.10	0.002	170.01	0.002	203.35	0.000	740.05
22	1110041-1 10X	0.018	310.02	0.003	126.67	0.060	836.73	0.046	633.38	0.057	3273.66
23	1110041-3 10X	0.009	206.68	0.002	85.24	0.746	8416.16	0.753	7128.71	0.731	32191.76
24	1110041-3D 10X	0.009	216.68	0.002	94.28	0.774	8656.28	0.779	7308.78	0.752	32818.88
25	1110041-3L 50X	0.000	110.01	0.001	77.62	0.150	1806.87	0.154	1620.19	0.155	7424.47
26	1110041-3MS 10X	2.896	31165.88	0.197	6023.64	5.808	65289.20	5.682	53100.38	5.787	252548.10
27	1110041-3MSD ...	2.946	31717.40	0.206	6300.90	5.850	66310.51	5.906	55646.30	5.881	258801.63
28	1110046-1 10X	0.006	180.01	0.007	254.29	0.035	556.71	0.030	490.04	0.034	2256.86
29	1110046-2 10X	0.000	116.67	0.004	157.62	0.055	783.40	0.043	610.05	0.049	2966.95
30	1110062-1 10X	0.006	190.01	0.002	96.67	0.005	216.68	0.005	253.35	0.005	1020.06
31	1110062-3 10X	0.041	570.04	0.002	106.67	0.057	816.73	0.050	686.73	0.050	3050.29

Analyte Table

		146 Nd [2]		205 Tl [2]		206 (Pb) [2]		207 (Pb) [2]		208 Pb [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	CCV	3.002	32946.28	0.198	6115.58	5.203	60967.34	5.041	49123.30	5.093	231737.19
33	CCB	-0.005	60.00	0.005	175.72	-0.001	136.67	-0.009	113.34	-0.005	543.37
34	1110079-1 10X	0.010	216.68	0.002	101.91	0.022	400.03	0.011	306.68	0.017	1503.44
35	1110079-3 10X	0.003	146.68	0.002	84.29	0.100	1286.80	0.089	1040.10	0.096	4977.26
36	1109031-9 10X	0.034	440.03	0.001	57.62	0.072	903.41	0.075	843.40	0.068	3497.01
37	ZZZZZZ	2.817	30087.24	0.197	5889.78	5.019	56131.87	5.137	47768.77	5.074	220308.24
38	ZZZZZZ	2.917	31293.02	0.203	6150.84	5.069	57453.45	5.084	47916.12	5.118	225212.12
39	ZZZZZZ	0.002	126.68	0.003	115.24	-0.002	126.67	-0.010	106.67	-0.004	550.03
40	ZZZZZZ	0.002	123.34	0.002	84.76	0.004	186.68	-0.010	110.01	-0.004	563.37
41	CCV	2.940	32445.24	0.200	6172.27	5.152	59782.58	5.157	49744.96	5.110	230099.75
42	CCB	-0.001	100.01	0.006	195.24	-0.001	133.34	-0.009	116.68	-0.002	633.38

Analyte Table

		232 Th [2]		238 U [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	blank		86.67		167.79
2	blank	0.000	58.89	0.000	158.89
3	blank	0.000	73.33	0.000	177.78
4	H/1000	0.007	413.35	0.008	532.24
5	H/100	0.084	4078.43	0.092	4281.80
6	H/10	0.971	46568.98	0.998	44750.65
7	HIGH	10.003	502477.50	10.000	468708.30
8	ICV	1.818	92281.81	1.925	91267.02
9	ICB	0.001	127.78	0.000	162.23
10	CRI1	0.022	1093.40	0.008	518.91
11	CRI2	0.037	1777.92	0.017	945.60
12	ICSA	0.016	901.16	-0.002	87.78
13	ICSAB	1.019	51956.11	1.011	48201.29
14	ZZZZZZ	0.000	92.23	0.000	181.11
15	IP111014-2MB ...	0.000	66.67	0.001	216.67
16	F111011-1MB ...	0.000	48.89	0.001	198.89
17	FM111011-1RV...	0.018	807.81	0.011	606.69
18	IM111014-2LCS...	1.008	46748.54	1.008	43706.21
19	FM111011-1LC...	1.017	46292.60	1.023	43575.67
20	CCV	0.981	46251.39	0.996	43934.68
21	CCB	0.005	291.12	0.000	182.23
22	1110041-1 10X	0.004	278.90	0.001	236.67
23	1110041-3 10X	0.002	184.45	0.002	254.45
24	1110041-3D 10X	0.002	158.89	0.002	272.23
25	1110041-3L 50X	0.000	71.11	0.000	192.23
26	1110041-3MS 10X	0.960	44562.91	0.982	42619.66
27	1110041-3MSD ...	0.973	45112.23	0.995	43173.37
28	1110046-1 10X	0.006	337.79	0.015	805.59
29	1110046-2 10X	0.002	165.56	0.014	780.04
30	1110062-1 10X	0.003	195.56	0.001	235.56
31	1110062-3 10X	0.008	425.57	0.002	268.90

Analyte Table

		232 Th [2]		238 U [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	CCV	0.986	46307.09	1.005	44177.66
33	CCB	0.005	277.79	0.000	163.34
34	1110079-1 10X	0.004	237.78	0.001	240.02
35	1110079-3 10X	0.001	117.78	0.000	182.23
36	1109031-9 10X	0.001	120.00	0.000	167.78
37	ZZZZZZ	0.960	43574.07	0.980	41616.85
38	ZZZZZZ	0.988	45492.26	0.993	42741.25
39	ZZZZZZ	0.002	153.34	0.000	181.12
40	ZZZZZZ	0.001	106.67	0.000	162.23
41	CCV	0.989	46391.74	1.000	43876.67
42	CCB	0.006	343.34	0.000	164.45

ISTD Table

		71 Ga (ISTD) [1]		71 Ga (ISTD) [2]		72 Ge (ISTD) [1]		72 Ge (ISTD) [2]		103 Rh (ISTD) [1]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
1	blank	18217.61		218638.28		8302.52		111088.68		72499.73	
2	blank	19148.64	100.0	217888.28	100.0	8769.49	100.0	110910.75	100.0	73765.56	100.0
3	blank	18581.32	100.0	218444.28	100.0	8515.95	100.0	109971.27	100.0	73434.14	100.0
4	H/1000	21538.50	115.9	234471.34	107.3	9449.84	111.0	118994.67	108.2	80846.89	110.1
5	H/100	21271.47	114.5	237143.69	108.6	9633.42	113.1	118272.45	107.5	80698.93	109.9
6	H/10	21054.47	113.3	236029.71	108.1	9426.49	110.7	117654.13	107.0	79808.08	108.7
7	HIGH	23260.97	125.2	261708.14	119.8	9893.51	116.2	130460.29	118.6	80829.44	110.1
8	ICV	23150.95	124.6	249133.41	114.0	10120.23	118.8	126767.34	115.3	85725.56	116.7
9	ICB	19178.50	103.2	208240.43	95.3	8229.16	96.6	106249.30	96.6	72105.01	98.2
10	CRI1	20340.30	109.5	228562.20	104.6	9072.93	106.5	117577.74	106.9	79975.08	108.9
11	CRI2	20093.16	108.1	229589.77	105.1	9056.21	106.3	115529.71	105.1	77784.28	105.9
12	ICSA	23217.29	124.9	255110.66	116.8	10236.98	120.2	136654.33	124.3	84538.44	115.1
13	ICSAB	24205.60	130.3	259996.23	119.0	10407.11	122.2	138224.68	125.7	87434.34	119.1
14	ZZZZZZ	18654.87	100.4	205449.84	94.1	8602.64	101.0	102349.00	93.1	72463.11	98.7
15	IP111014-2MB ...	17967.31	96.7	204046.74	93.4	8375.84	98.4	101771.51	92.5	70296.58	95.7
16	F111011-1MB ...	17820.47	95.9	201093.70	92.1	8102.36	95.1	101013.44	91.9	68864.19	93.8
17	FM111011-1RV...	18554.58	99.9	205832.98	94.2	8325.81	97.8	101178.27	92.0	71347.96	97.2
18	IM111014-2LCS...	20316.84	109.3	226481.26	103.7	9203.02	108.1	112598.81	102.4	77724.09	105.8
19	FM111011-1LC...	20917.65	112.6	224533.15	102.8	8982.94	105.5	110208.80	100.2	77656.85	105.8
20	CCV	21458.30	115.5	230489.84	105.5	9536.65	112.0	112800.13	102.6	80944.01	110.2
21	CCB	18394.37	99.0	200692.93	91.9	8189.12	96.2	99728.85	90.7	70581.52	96.1
22	1110041-1 10X	20216.98	108.8	222656.19	101.9	9526.51	111.9	117356.13	106.7	77325.60	105.3
23	1110041-3 10X	19916.24	107.2	220850.28	101.1	9373.08	110.1	115177.35	104.7	78153.33	106.4
24	1110041-3D 10X	20857.58	112.3	222758.98	102.0	9759.99	114.6	118910.25	108.1	77909.04	106.1
25	1110041-3L 50X	19018.41	102.4	218468.65	100.0	8816.10	103.5	110833.93	100.8	74636.39	101.6
26	1110041-3MS 10X	20256.94	109.0	226752.41	103.8	9329.72	109.6	119312.26	108.5	77693.60	105.8
27	1110041-3MSD ...	20981.01	112.9	225080.30	103.0	9453.11	111.0	118889.92	108.1	77319.33	105.3
28	1110046-1 10X	20056.64	107.9	222177.70	101.7	9202.98	108.1	111890.83	101.7	77288.57	105.2
29	1110046-2 10X	20390.14	109.7	224845.21	102.9	8856.19	104.0	111561.81	101.4	77938.81	106.1
30	1110062-1 10X	20290.13	109.2	227293.73	104.1	10470.49	123.0	118526.43	107.8	79094.35	107.7
31	1110062-3 10X	20840.84	112.2	229413.38	105.0	10437.21	122.6	121421.80	110.4	78413.92	106.8

ISTD Table

		71 Ga (ISTD) [1]		71 Ga (ISTD) [2]		72 Ge (ISTD) [1]		72 Ge (ISTD) [2]		103 Rh (ISTD) [1]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
32	CCV	21942.39	118.1	232178.59	106.3	9519.90	111.8	115011.73	104.6	80354.55	109.4
33	CCB	18040.78	97.1	202083.03	92.5	8596.08	100.9	100563.27	91.4	70895.79	96.5
34	1110079-1 10X	20143.25	108.4	221289.87	101.3	8972.86	105.4	110303.62	100.3	77499.87	105.5
35	1110079-3 10X	20607.20	110.9	223965.10	102.5	9790.06	115.0	112682.20	102.5	79356.11	108.1
36	1109031-9 10X	18634.71	100.3	206883.68	94.7	8345.91	98.0	102449.25	93.2	71561.85	97.5
37	ZZZZZZ	20433.65	110.0	223806.06	102.5	9112.94	107.0	112595.43	102.4	78529.00	106.9
38	ZZZZZZ	20887.56	112.4	224310.13	102.7	8849.47	103.9	112595.34	102.4	78833.09	107.4
39	ZZZZZZ	18551.34	99.8	202108.97	92.5	8332.54	97.8	102121.30	92.9	71722.88	97.7
40	ZZZZZZ	18611.50	100.2	203315.09	93.1	8522.68	100.1	102741.40	93.4	72727.36	99.0
41	CCV	21184.71	114.0	231278.10	105.9	9056.28	106.3	113726.42	103.4	81037.23	110.4
42	CCB	19212.07	103.4	205545.59	94.1	8039.07	94.4	104169.93	94.7	73367.51	99.9

ISTD Table

		103 Rh (ISTD) [2]		115 In (ISTD) [1]		115 In (ISTD) [2]		195 Pt (ISTD) [1]		195 Pt (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
1	blank	362182.81		66405.56		415859.88		29927.87		186837.35	
2	blank	360123.51	100.0	68132.99	100.0	418068.28	100.0	29834.71	100.0	187441.60	100.0
3	blank	360166.26	100.0	68486.77	100.0	420516.70	100.0	29399.99	100.0	188301.81	100.0
4	H/1000	392842.56	109.1	74398.67	108.6	449496.37	106.9	31614.86	107.5	201511.78	107.0
5	H/100	393914.34	109.4	74212.39	108.4	452955.94	107.7	32226.16	109.6	202842.84	107.7
6	H/10	391786.53	108.8	76182.90	111.2	456190.60	108.5	33091.46	112.6	204409.93	108.6
7	HIGH	404916.88	112.4	76172.43	111.2	478919.19	113.9	33986.95	115.6	214450.95	113.9
8	ICV	411166.71	114.2	80415.32	117.4	478868.50	113.9	33552.31	114.1	216513.42	115.0
9	ICB	347155.53	96.4	67354.26	98.3	399635.54	95.0	28364.79	96.5	180920.04	96.1
10	CRI1	382203.46	106.1	74386.37	108.6	440506.96	104.8	31945.60	108.7	199882.68	106.2
11	CRI2	378749.29	105.2	72617.56	106.0	440409.08	104.7	31130.40	105.9	198918.60	105.6
12	ICSA	417676.05	116.0	79946.89	116.7	487493.77	115.9	34624.70	117.8	218135.47	115.8
13	ICSAB	424048.12	117.7	82136.23	119.9	502848.91	119.6	35353.35	120.2	217368.09	115.4
14	ZZZZZZ	345940.41	96.1	67983.90	99.3	400915.50	95.3	28214.45	96.0	183076.42	97.2
15	IP111014-2MB ...	341611.78	94.8	64839.04	94.7	393633.95	93.6	28271.33	96.2	178107.19	94.6
16	F111011-1MB ...	339543.61	94.3	65214.96	95.2	389769.11	92.7	27707.03	94.2	176877.67	93.9
17	FM111011-1RV...	345028.20	95.8	67683.91	98.8	400888.44	95.3	28848.94	98.1	179901.97	95.5
18	IM111014-2LCS...	379185.30	105.3	72321.51	105.6	437065.53	103.9	31838.86	108.3	197732.19	105.0
19	FM111011-1LC...	368152.03	102.2	73137.41	106.8	434303.96	103.3	31704.76	107.8	194117.88	103.1
20	CCV	380401.09	105.6	76017.24	111.0	447861.52	106.5	32723.93	111.3	200987.50	106.7
21	CCB	336090.04	93.3	65488.03	95.6	392958.29	93.4	28632.29	97.4	177657.05	94.3
22	1110041-1 10X	369509.06	102.6	73500.74	107.3	430899.19	102.5	30843.29	104.9	195902.58	104.0
23	1110041-3 10X	369069.88	102.5	72900.76	106.4	429163.41	102.1	31822.01	108.2	193391.27	102.7
24	1110041-3D 10X	369550.23	102.6	73697.16	107.6	434596.85	103.3	32496.65	110.5	195183.04	103.7
25	1110041-3L 50X	366201.78	101.7	71348.70	104.2	427623.17	101.7	31197.28	106.1	192840.55	102.4
26	1110041-3MS 10X	372765.79	103.5	74334.59	108.5	436647.06	103.8	32513.46	110.6	197848.73	105.1
27	1110041-3MSD ...	374500.76	104.0	73128.11	106.8	436945.13	103.9	31858.56	108.4	197687.72	105.0
28	1110046-1 10X	369490.49	102.6	71592.66	104.5	435763.45	103.6	31123.79	105.9	194152.51	103.1
29	1110046-2 10X	372891.56	103.5	73762.41	107.7	440151.04	104.7	31862.12	108.4	195390.69	103.8
30	1110062-1 10X	375179.34	104.2	74188.36	108.3	443038.99	105.4	32095.49	109.2	196007.06	104.1
31	1110062-3 10X	377134.02	104.7	74747.65	109.1	444105.26	105.6	32430.06	110.3	198205.65	105.3

ISTD Table

		103 Rh (ISTD) [2]		115 In (ISTD) [1]		115 In (ISTD) [2]		195 Pt (ISTD) [1]		195 Pt (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
32	CCV	379546.54	105.4	76498.65	111.7	445376.89	105.9	32937.98	112.0	200262.96	106.4
33	CCB	337401.04	93.7	66456.49	97.0	392574.46	93.4	28371.36	96.5	177293.65	94.2
34	1110079-1 10X	367364.98	102.0	72104.63	105.3	431200.97	102.5	31170.91	106.0	194916.92	103.5
35	1110079-3 10X	367895.50	102.1	73511.88	107.3	435197.69	103.5	32262.89	109.7	196347.07	104.3
36	1109031-9 10X	345663.07	96.0	66048.75	96.4	403585.73	96.0	29336.69	99.8	180816.68	96.0
37	ZZZZZZ	373107.63	103.6	74139.10	108.3	433523.81	103.1	30856.38	105.0	193639.31	102.8
38	ZZZZZZ	372726.45	103.5	74760.83	109.2	435300.19	103.5	31434.50	106.9	196218.42	104.2
39	ZZZZZZ	339647.77	94.3	66498.55	97.1	396597.75	94.3	28264.94	96.1	179661.81	95.4
40	ZZZZZZ	340204.38	94.5	67199.87	98.1	395959.18	94.2	29978.03	102.0	181005.51	96.1
41	CCV	379115.89	105.3	76105.16	111.1	447902.63	106.5	33622.55	114.4	200053.89	106.2
42	CCB	344969.96	95.8	67340.94	98.3	402028.91	95.6	29590.71	100.6	181962.94	96.6

ISTD Table

		209 Bi (ISTD) [1]		209 Bi (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%
1	blank	46167.18		169224.97	
2	blank	46578.15	100.0	167780.76	100.0
3	blank	47026.42	100.0	170622.31	100.0
4	H/1000	50655.48	107.7	182229.71	106.8
5	H/100	51588.38	109.7	184764.63	108.3
6	H/10	51936.49	110.4	186562.93	109.3
7	HIGH	54528.96	116.0	197460.13	115.7
8	ICV	53846.38	114.5	193562.60	113.4
9	ICB	46130.63	98.1	165394.25	96.9
10	CRI1	50986.36	108.4	183340.37	107.5
11	CRI2	51086.39	108.6	179679.94	105.3
12	ICSA	53789.47	114.4	198510.89	116.3
13	ICSAB	54893.43	116.7	195724.02	114.7
14	ZZZZZZ	47314.21	100.6	166277.10	97.5
15	IP111014-2MB ...	45819.65	97.4	163976.72	96.1
16	F111011-1MB ...	44729.35	95.1	160843.68	94.3
17	FM111011-1RV...	46137.18	98.1	165444.95	97.0
18	IM111014-2LCS...	50494.60	107.4	181529.44	106.4
19	FM111011-1LC...	50454.35	107.3	176946.31	103.7
20	CCV	51180.80	108.8	184003.95	107.8
21	CCB	45980.22	97.8	162620.90	95.3
22	1110041-1 10X	50260.27	106.9	178112.30	104.4
23	1110041-3 10X	49196.96	104.6	175967.78	103.1
24	1110041-3D 10X	50608.58	107.6	174578.67	102.3
25	1110041-3L 50X	48848.98	103.9	175310.45	102.7
26	1110041-3MS 10X	50772.73	108.0	178237.20	104.5
27	1110041-3MSD ...	50842.70	108.1	179731.74	105.3
28	1110046-1 10X	51581.64	109.7	178676.01	104.7
29	1110046-2 10X	50916.00	108.3	179192.91	105.0
30	1110062-1 10X	51317.35	109.1	179446.33	105.2
31	1110062-3 10X	50695.61	107.8	182465.43	106.9

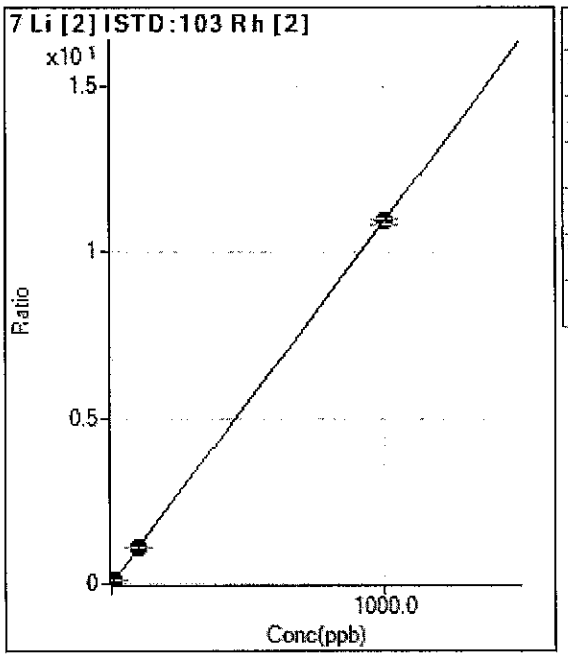
ISTD Table

		209 Bi (ISTD) [1]		209 Bi (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%
32	CCV	53278.02	113.3	185761.27	108.9
33	CCB	46949.40	99.8	162291.29	95.1
34	1110079-1 10X	49551.50	105.4	175160.83	102.7
35	1110079-3 10X	51374.91	109.2	178514.33	104.6
36	1109031-9 10X	45983.23	97.8	165963.07	97.3
37	ZZZZZZ	50207.20	106.8	177262.32	103.9
38	ZZZZZZ	50417.44	107.2	179640.85	105.3
39	ZZZZZZ	46505.12	98.9	161545.26	94.7
40	ZZZZZZ	46357.65	98.6	165660.70	97.1
41	CCV	53669.41	114.1	183829.05	107.7
42	CCB	48066.52	102.2	163807.38	96.0

Calibration for 009SMPL.D

Batch Folder:	C:¥ICPMH¥1¥DATA¥11J17q00.B¥
Analysis File:	11J17q00.batch.xml
DA Date-Time:	10/18/2011 9:54:00 AM
Calibration Title:	
Calibration Method:	External Calibration
VIS Interpolation Fit:	
Tune Step:	#1 hehe.u
	#2 nogas.u

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.D	blank	10/17/2011 4:57:51 PM
2	004CALS.D	H/1000	10/17/2011 5:01:33 PM
3	005CALS.D	H/100	10/17/2011 5:05:13 PM
4	006CALS.D	H/10	10/17/2011 5:08:52 PM
5	007CALS.D	HIGH	10/17/2011 5:12:31 PM
6			



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	921.36	0.0026	P	4.0
2	☐	1.000	1.009	5335.55	0.0136	P	2.5
3	☐	10.000	10.005	44068.90	0.1119	P	0.1
4	☐	100.000	99.915	428677.02	1.0943	P	1.0
5	☐	1000.000	1000.008	4424156.83	10.9292	A	1.9
6	☐	200.000					

y = 0.0109 * x + 0.0026

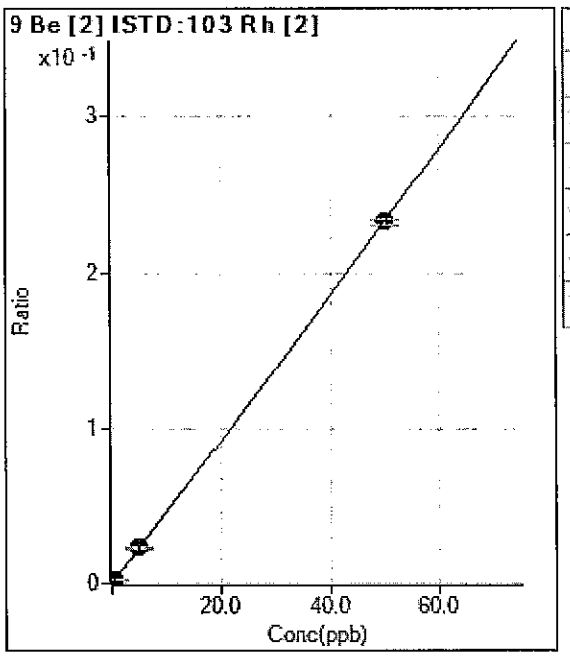
R = 1.0000

DL = 0.02809

BEC = 0.2341

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.009	9.33	0.0000	P	62.9
2	☐	0.050	0.065	110.67	0.0003	P	7.3
3	☐	0.500	0.474	844.03	0.0021	P	3.7
4	☐	5.000	5.003	8925.70	0.0228	P	0.4
5	☐	50.000	50.000	94044.22	0.2323	P	1.4
6	☐	10.000					

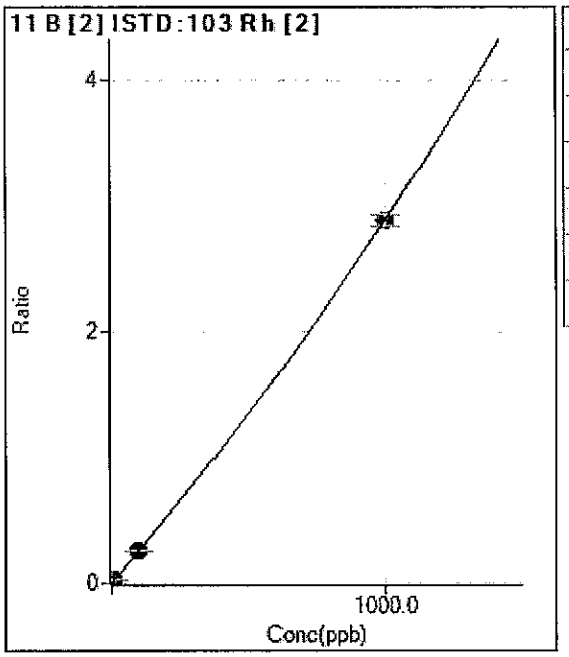
y = 1.9964E-006 * x ^ 2 + 0.0045 * x - 1.2702E-005

DL = 0.0108

BEC = -0.002794

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.065	1292.29	0.0036	P	5.9
2	☐	1.000	0.917	2367.97	0.0060	P	3.6
3	☐	10.000	10.164	11432.82	0.0290	P	3.8
4	☐	100.000	99.983	100284.92	0.2560	P	1.8
5	☐	1000.000	1000.000	1167019.81	2.8837	A	3.1
6	☐	200.000					

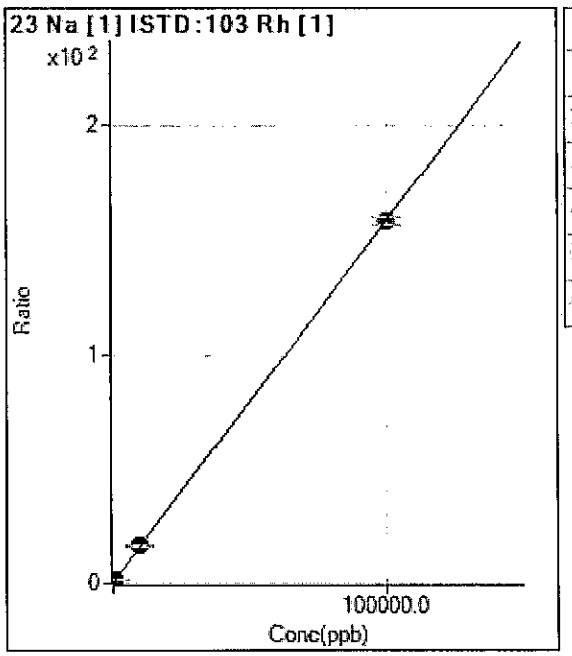
y = 3.9644E-007 * x ^ 2 + 0.0025 * x + 0.0038

DL = 0.2539

BEC = 1.511

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	7311.95	0.0996	P	0.3
2	☐	100.000	105.106	21464.64	0.2655	P	1.8
3	☐	1000.000	990.887	134246.01	1.6640	P	2.2
4	☐	10000.000	10322.627	1307914.02	16.3968	A	3.1
5	☐	100000.000	99967.823	12762129.81	157.9277	A	2.0
6	☐	20000.000					

y = 0.0016 * x + 0.0996

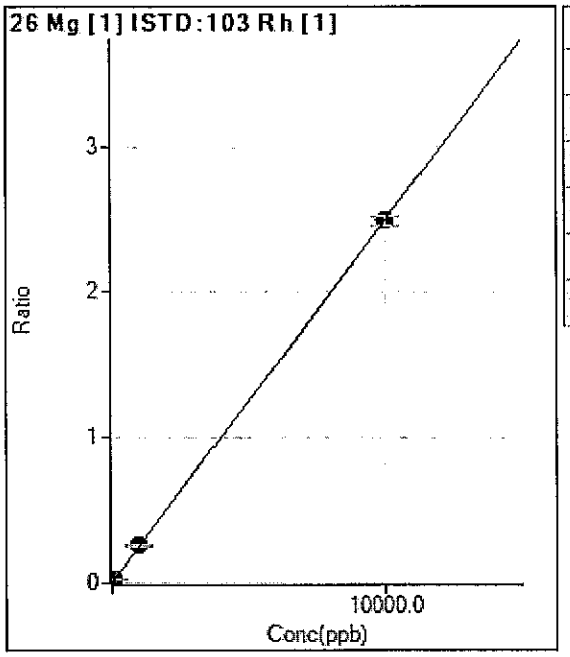
R = 1.0000

DL = 0.5091

BEC = 63.07

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	170.01	0.0023	P	8.5
2	☐	10.000	9.256	373.35	0.0046	P	21.1
3	☐	100.000	97.628	2146.90	0.0266	P	1.6
4	☐	1000.000	1029.145	20603.37	0.2583	P	3.8
5	☐	10000.000	9997.110	201130.49	2.4892	P	2.8
6	☐	2000.000					

y = 2.4876E-004 * x + 0.0023

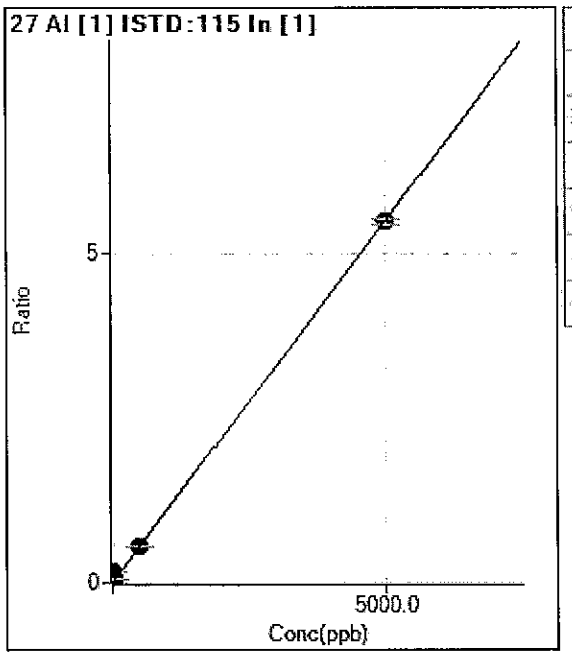
R = 1.0000

DL = 2.384

BEC = 9.299

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	26.67	0.0004	P	114.2
2	☐	5.000	160.678	13135.68	0.1766	P	2.7
3	☐	50.000	52.780	4324.12	0.0583	P	4.7
4	☐	500.000	494.755	41355.49	0.5428	P	1.3
5	☐	5000.000	5000.341	417596.14	5.4827	P	1.3
6	☐	1000.000					

y = 0.0011 * x + 3.8841E-004

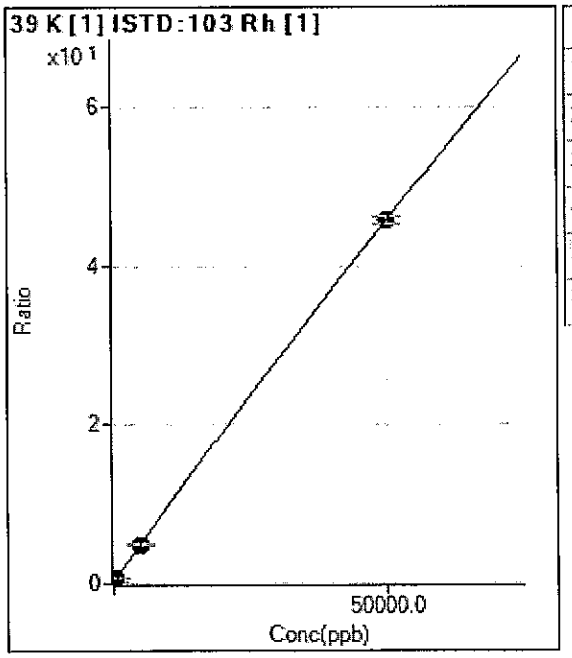
R = 0.9995

DL = 1.214

BEC = 0.3543

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	10.888	12581.93	0.1714	P	2.3
2	☐	50.000	48.573	16785.80	0.2076	P	0.5
3	☐	500.000	489.353	50952.57	0.6314	P	0.1
4	☐	5000.000	5001.198	394586.17	4.9463	P	2.6
5	☐	50000.000	49999.988	3694497.44	45.7178	A	2.0
6	☐	10000.000					

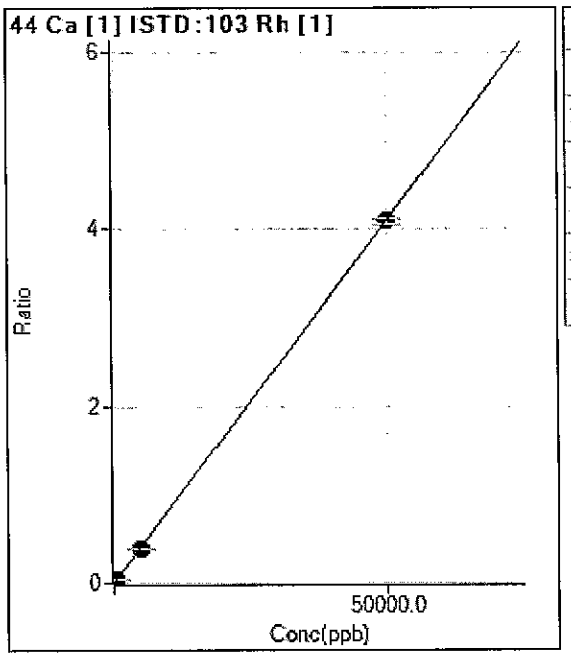
y = −1.0160E-009 * x ^ 2 + 9.6194E-004 * x + 0.1609

DL = 12.04

BEC = 167.2

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	52.66	0.0007	P	78.9
2	☐	50.000	61.927	467.47	0.0058	P	6.6
3	☐	500.000	454.295	3053.57	0.0378	P	1.4
4	☐	5000.000	4814.923	31445.27	0.3941	P	3.1
5	☐	50000.000	50018.953	330332.42	4.0876	P	1.7
6	☐	10000.000					

y = 8.1707E-005 * x + 7.2237E-004

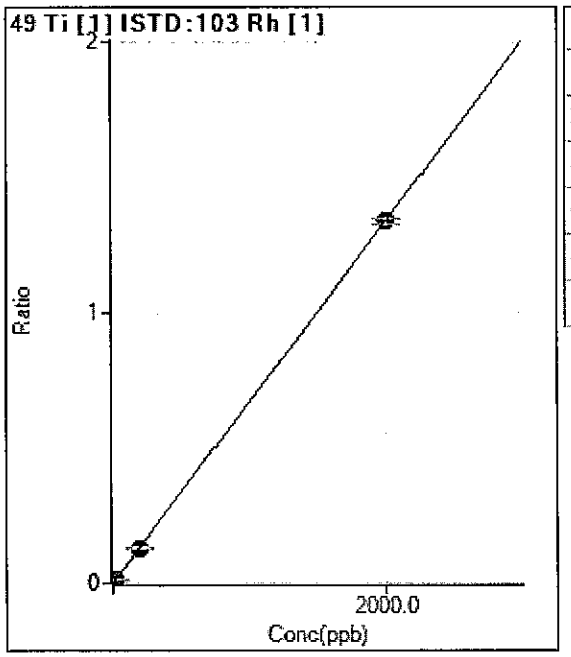
R = 1.0000

DL = 20.94

BEC = 8.841

Weight: None

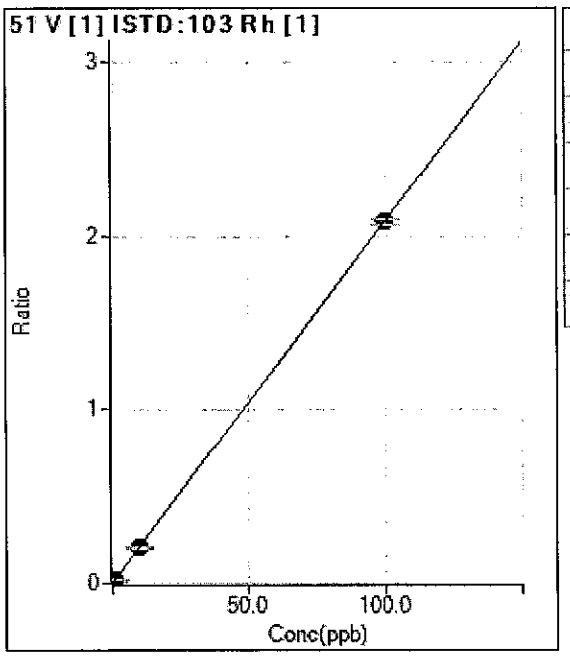
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	33.33	0.0005	P	34.6
2	☐	2.000	1.540	120.00	0.0015	P	43.5
3	☐	20.000	17.161	960.07	0.0119	P	16.6
4	☐	200.000	191.589	10240.31	0.1284	P	4.7
5	☐	2000.000	2000.870	108008.27	1.3365	P	1.9
6	☐	400.000					

y = 6.6775E-004 * x + 4.5380E-004
R = 1.0000
DL = 0.7046
BEC = 0.6796

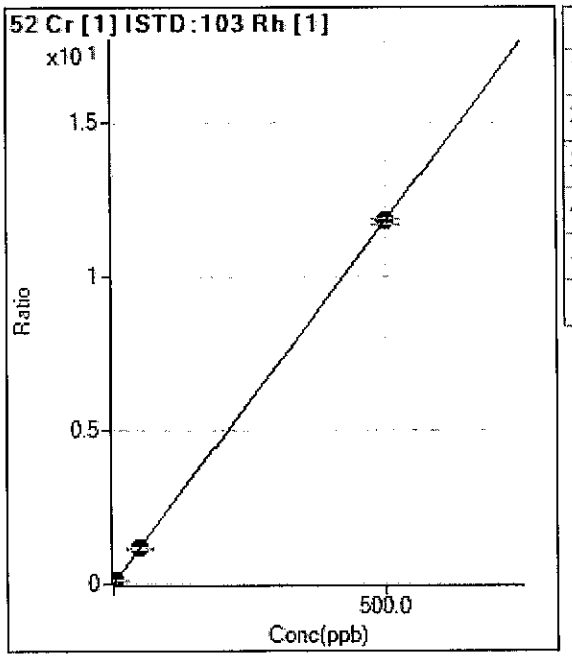
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.108	391.01	0.0053	P	2.4
2	☐	0.100	0.204	591.68	0.0073	P	2.2
3	☐	1.000	1.012	1945.79	0.0241	P	2.5
4	☐	10.000	9.752	16424.11	0.2059	P	2.1
5	☐	100.000	100.025	168330.96	2.0829	P	1.6
6	☐	20.000					

y = 0.0208 * x + 0.0031
R = 1.0000
DL = 0.01809
BEC = 0.1483

Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	174.45	0.0024	P	15.8
2	☐	0.500	0.491	1128.95	0.0140	P	7.3
3	☐	5.000	4.740	9216.01	0.1142	P	2.0
4	☐	50.000	49.393	93138.64	1.1676	P	3.1
5	☐	500.000	500.063	953579.13	11.7996	P	1.6
6	☐	100.000					

y = 0.0236 * x + 0.0024

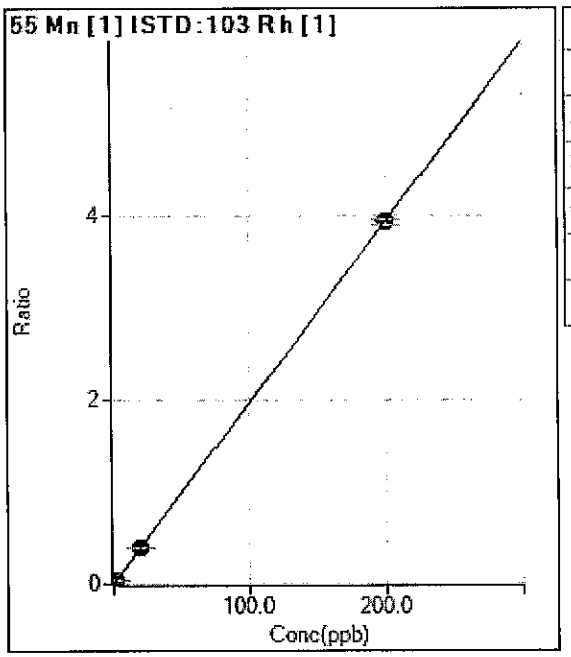
R = 1.0000

DL = 0.04763

BEC = 0.1006

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	61.11	0.0008	P	20.2
2	☐	0.200	0.215	408.90	0.0051	P	6.9
3	☐	2.000	2.003	3248.14	0.0403	P	6.5
4	☐	20.000	19.936	31374.33	0.3933	P	3.5
5	☐	200.000	200.006	318266.97	3.9383	P	1.8
6	☐	40.000					

y = 0.0197 * x + 8.3320E-004

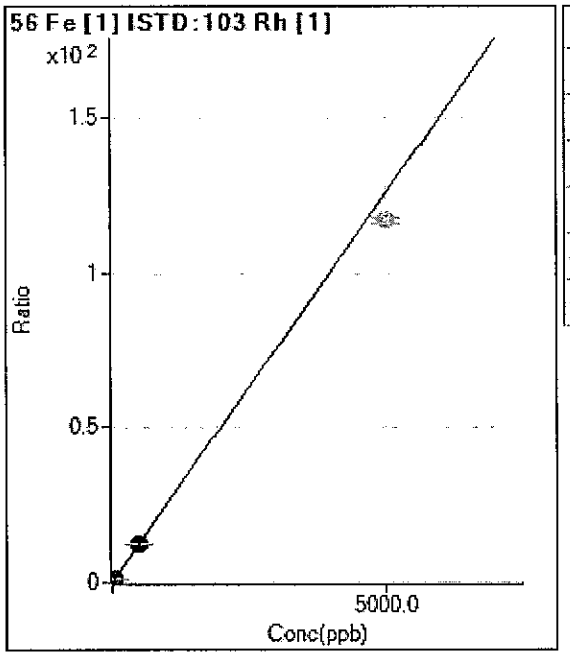
R = 1.0000

DL = 0.02563

BEC = 0.04232

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1643.48	0.0224	P	15.0
2	☐	5.000	8.985	20006.34	0.2475	P	4.1
3	☐	50.000	54.382	111734.44	1.3847	P	0.8
4	☐	500.000	499.522	1000058.48	12.5357	P	2.3
5	☑	5000.000		9451222.15	116.9463	A	1.3
6	☐	1000.000					

y = 0.0251 * x + 0.0224

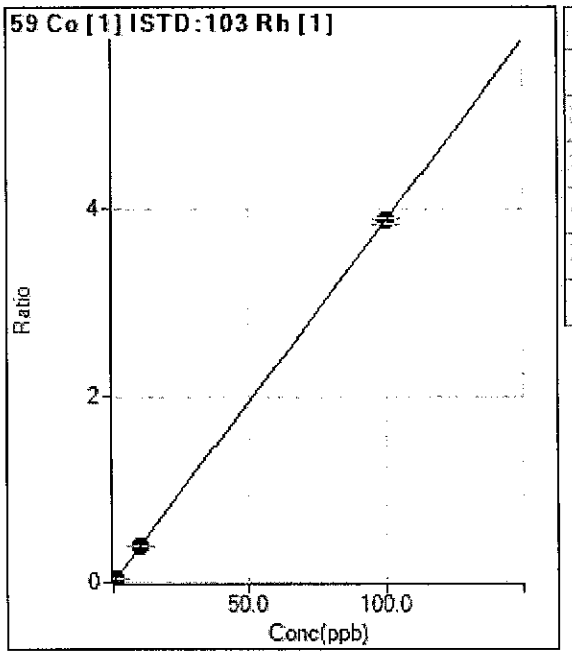
R = 1.0000

DL = 0.404

BEC = 0.8947

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3.33	0.0000	P	99.6
2	☐	0.100	0.105	333.34	0.0041	P	18.1
3	☐	1.000	1.011	3162.57	0.0392	P	6.2
4	☐	10.000	10.000	30931.36	0.3877	P	2.1
5	☐	100.000	100.000	313265.22	3.8765	P	1.9
6	☐	20.000					

y = 0.0388 * x + 4.5713E-005

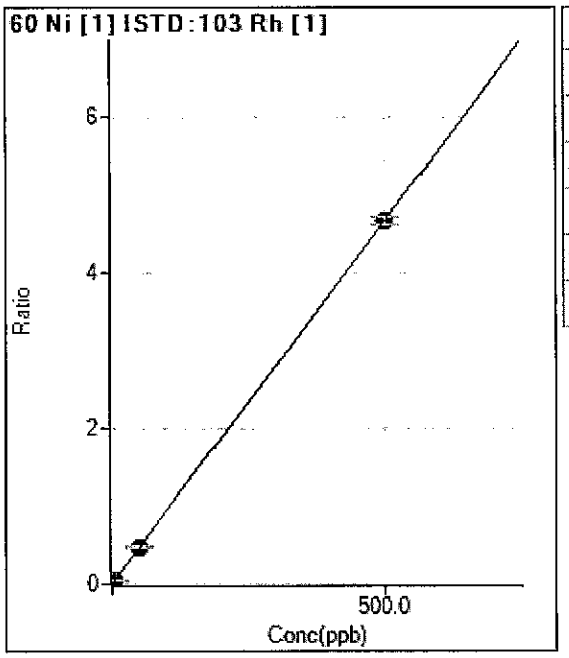
R = 1.0000

DL = 0.003524

BEC = 0.001179

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-0.075	520.02	0.0071	P	12.9
2	☐	0.500	0.363	902.26	0.0112	P	4.4
3	☐	5.000	4.817	4238.39	0.0525	P	2.3
4	☐	50.000	50.438	37990.60	0.4762	P	2.6
5	☐	500.000	499.958	375857.90	4.6512	P	2.1
6	☐	100.000					

y = 0.0093 * x + 0.0078

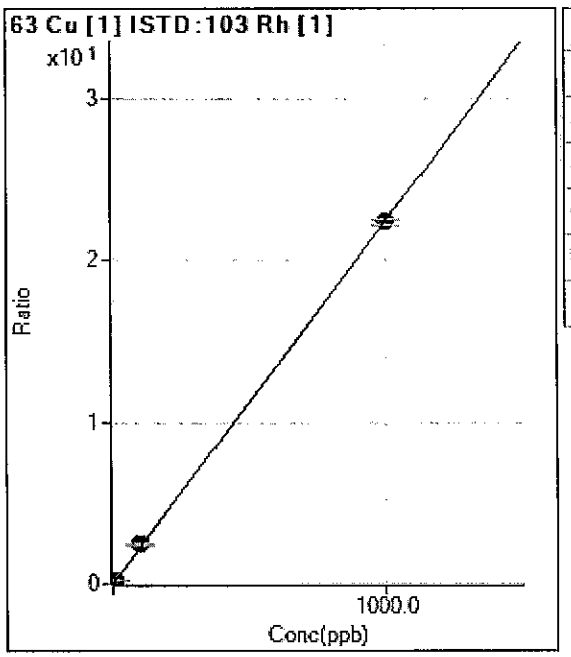
R = 1.0000

DL = 0.2949

BEC = 0.839

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	668.92	0.0091	P	8.1
2	☐	1.000	1.375	3222.60	0.0399	P	6.1
3	☐	10.000	11.056	20677.70	0.2563	P	2.2
4	☐	100.000	108.922	195016.17	2.4444	P	2.1
5	☐	1000.000	999.097	1806099.44	22.3473	A	1.3
6	☐	200.000					

y = 0.0224 * x + 0.0091

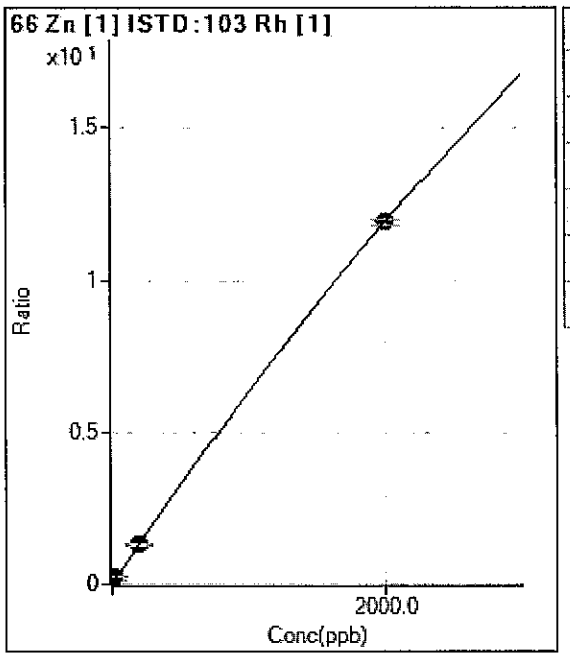
R = 1.0000

DL = 0.09914

BEC = 0.4071

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.339	166.68	0.0023	P	26.0
2	☐	2.000	14.791	7985.67	0.0988	P	2.3
3	☐	20.000	37.886	20396.90	0.2527	P	2.4
4	☐	200.000	197.850	104352.97	1.3081	P	2.3
5	☐	2000.000	2000.025	962829.91	11.9145	P	1.9
6	☐	400.000					

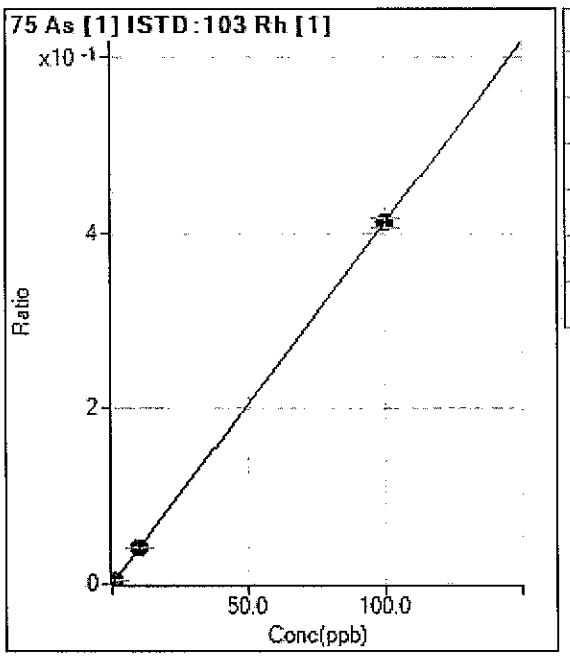
y = -3.6302E-007 * x ^ 2 + 0.0067 * x

DL = 0.2647

BEC = 0

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.67	0.0000	P	86.6
2	☐	0.100	0.107	36.33	0.0004	P	12.8
3	☐	1.000	1.050	349.34	0.0043	P	6.0
4	☐	10.000	10.010	3286.34	0.0412	P	2.8
5	☐	100.000	99.999	33248.05	0.4114	P	2.6
6	☐	20.000					

y = 0.0041 * x + 9.0697E-006

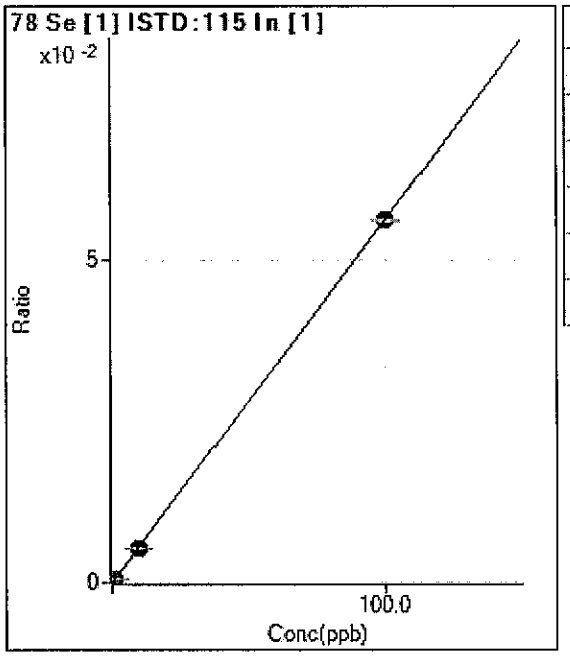
R = 1.0000

DL = 0.00573

BEC = 0.002204

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.93	0.0000	P	99.3
2	☐	0.100	0.097	5.07	0.0001	P	53.0
3	☐	1.000	1.029	43.87	0.0006	P	16.0
4	☐	10.000	9.704	415.88	0.0055	P	0.6
5	☐	100.000	100.029	4276.30	0.0561	P	0.6
6	☐	20.000					

y = 5.6112E-004 * x + 1.3605E-005

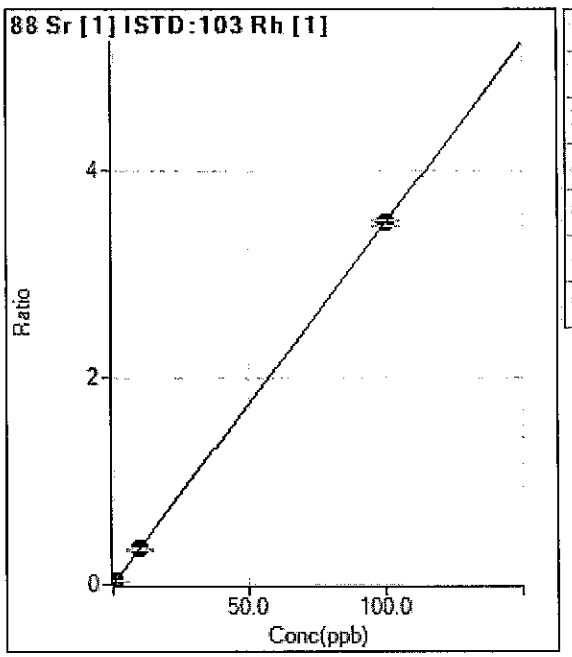
R = 1.0000

DL = 0.06496

BEC = 0.02425

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	30.00	0.0004	P	57.1
2	☐	0.100	0.133	410.02	0.0051	P	2.6
3	☐	1.000	0.989	2823.72	0.0350	P	7.6
4	☐	10.000	9.861	27551.56	0.3454	P	2.5
5	☐	100.000	100.014	282764.45	3.4990	P	1.8
6	☐	20.000					

y = 0.0350 * x + 4.0644E-004

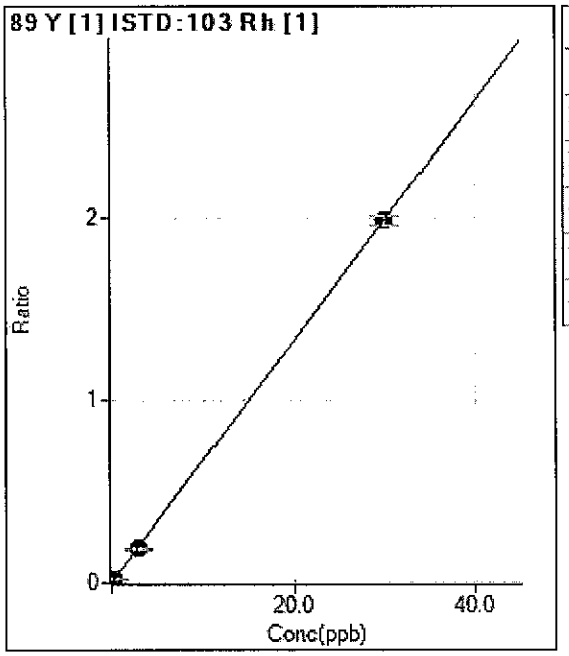
R = 1.0000

DL = 0.01991

BEC = 0.01162

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.030	0.034	183.34	0.0023	P	23.2
3	☐	0.300	0.285	1523.48	0.0189	P	6.1
4	☐	3.000	2.831	14974.33	0.1877	P	3.4
5	☐	30.000	30.017	160842.92	1.9905	P	2.4
6	☐	6.000					

y = 0.0663 * x + 0.0000E+000

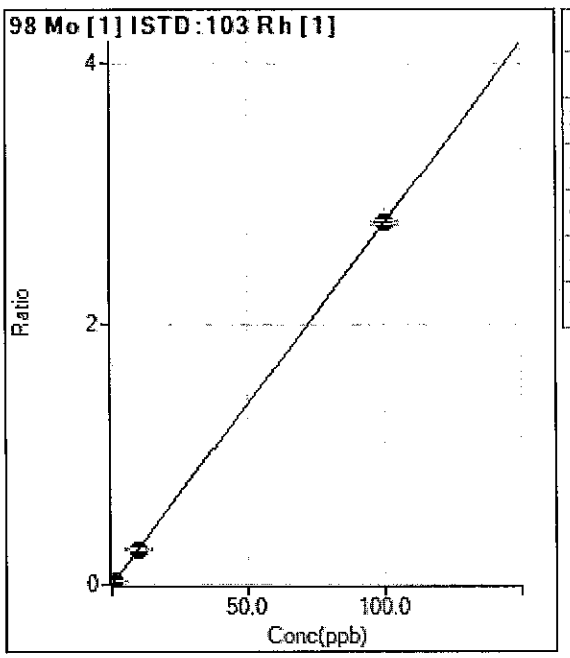
R = 1.0000

DL = 0

BEC = 0

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	14.44	0.0002	P	33.5
2	☐	0.100	0.092	223.34	0.0028	P	12.3
3	☐	1.000	0.947	2137.95	0.0265	P	2.9
4	☐	10.000	9.797	21713.83	0.2722	P	2.4
5	☐	100.000	100.021	224433.88	2.7770	P	1.2
6	☐	20.000					

y = 0.0278 * x + 1.9593E-004

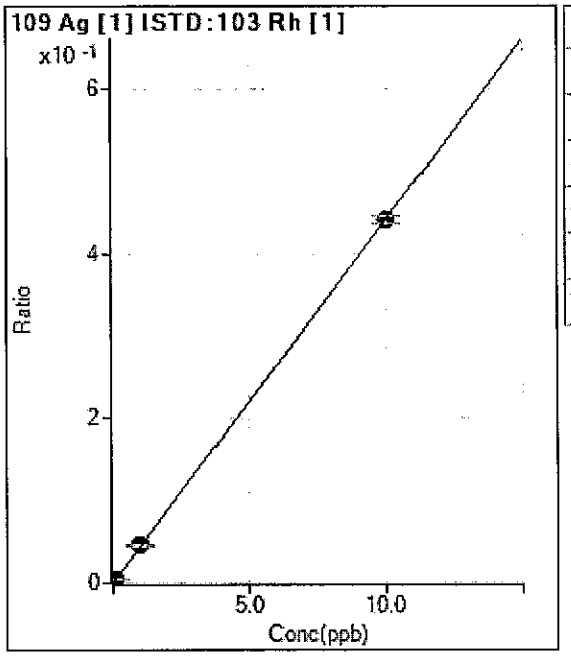
R = 1.0000

DL = 0.007093

BEC = 0.007057

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5.55	0.0001	P	124.2
2	☐	0.010	0.011	45.55	0.0006	P	55.4
3	☐	0.100	0.111	398.90	0.0049	P	14.5
4	☐	1.000	1.036	3650.48	0.0458	P	2.9
5	☐	10.000	9.996	35620.12	0.4408	P	2.0
6	☐	2.000					

y = 0.0441 * x + 7.4567E-005

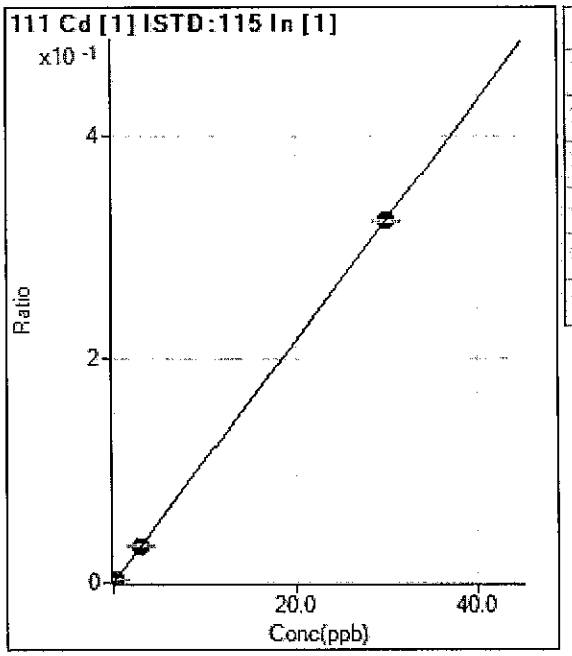
R = 1.0000

DL = 0.006302

BEC = 0.001691

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.67	0.0000	P	173.2
2	☐	0.030	0.047	38.64	0.0005	P	13.5
3	☐	0.300	0.337	270.41	0.0036	P	6.8
4	☐	3.000	3.042	2502.88	0.0328	P	3.8
5	☐	30.000	29.995	24663.68	0.3238	P	0.6
6	☐	6.000					

y = 0.0108 * x + 9.7399E-006

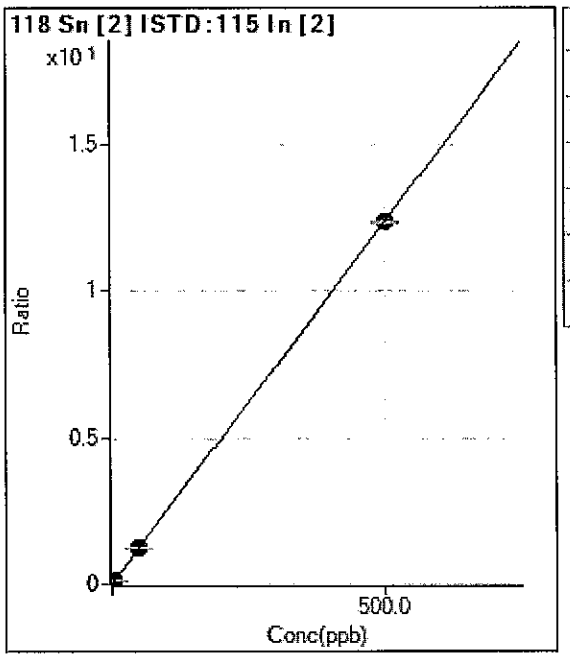
R = 1.0000

DL = 0.004689

BEC = 0.0009023

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1123.43	0.0027	P	13.5
2	☐	0.500	0.543	7228.61	0.0161	P	6.9
3	☐	5.000	5.071	57914.53	0.1279	P	1.3
4	☐	50.000	49.934	563590.09	1.2355	P	1.0
5	☐	500.000	500.006	5913376.78	12.3473	A	0.5
6	☐	100.000					

y = 0.0247 * x + 0.0027

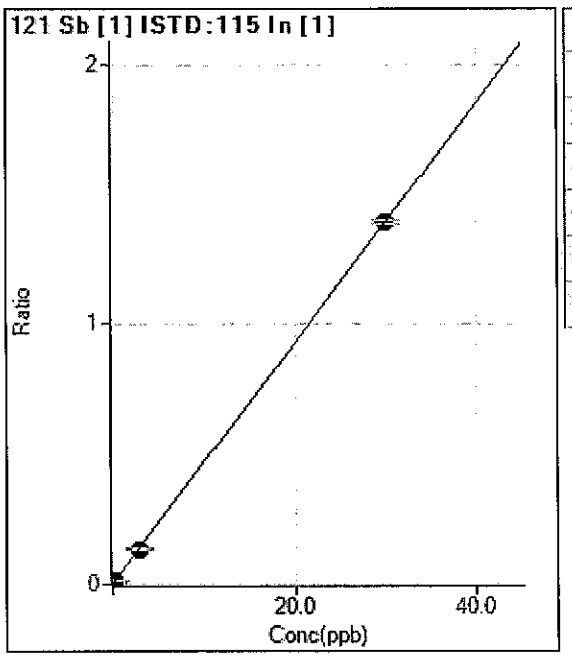
R = 1.0000

DL = 0.04383

BEC = 0.1085

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	116.67	0.0017	P	17.4
2	☐	0.030	0.055	315.56	0.0042	P	10.2
3	☐	0.300	0.301	1158.95	0.0156	P	12.4
4	☐	3.000	2.896	10341.29	0.1358	P	2.0
5	☐	30.000	30.010	105930.16	1.3907	P	1.0
6	☐	6.000					

y = 0.0463 * x + 0.0017

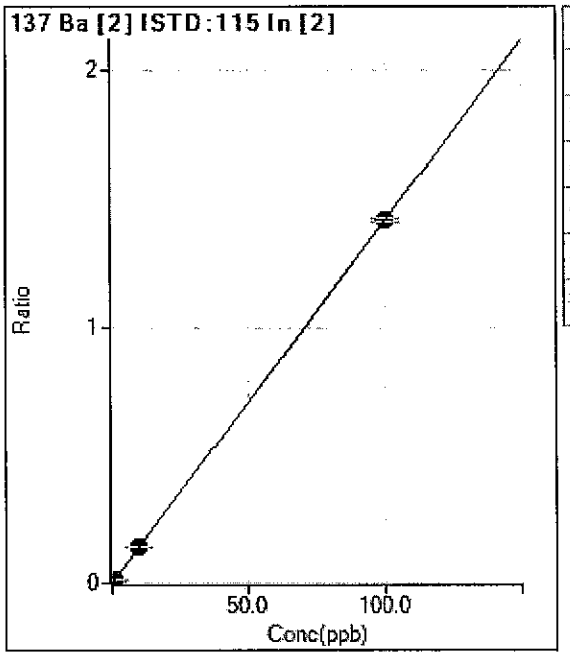
R = 1.0000

DL = 0.01919

BEC = 0.03679

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	90.00	0.0002	P	26.9
2	☐	0.100	0.489	3203.82	0.0071	P	2.5
3	☐	1.000	1.083	7025.35	0.0155	P	7.1
4	☐	10.000	10.059	64950.49	0.1424	P	1.6
5	☐	100.000	99.993	677018.90	1.4136	P	0.9
6	☐	20.000					

y = 0.0141 * x + 2.1322E-004

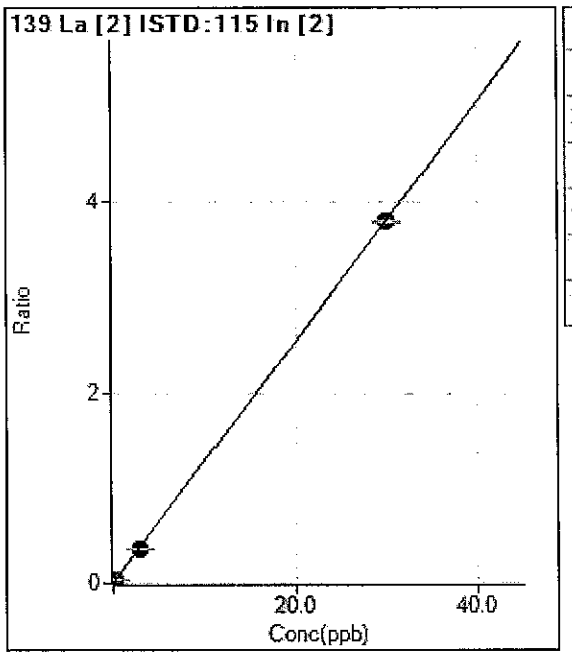
R = 1.0000

DL = 0.01218

BEC = 0.01509

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1073.43	0.0026	P	15.5
2	☐	0.030	0.039	3343.86	0.0074	P	1.6
3	☐	0.300	0.302	18431.79	0.0407	P	1.4
4	☐	3.000	2.900	168359.95	0.3690	P	1.4
5	☐	30.000	30.010	1817505.96	3.7954	A	0.8
6	☐	6.000					

y = 0.1264 * x + 0.0026

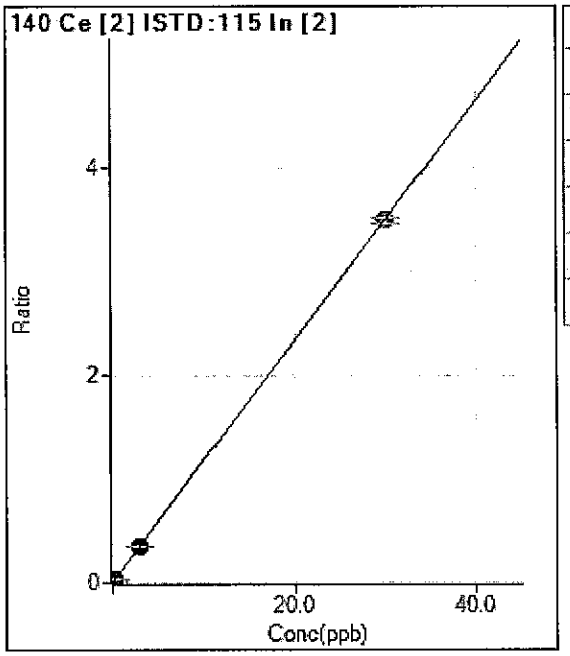
R = 1.0000

DL = 0.009365

BEC = 0.02019

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1890.21	0.0045	P	8.3
2	☐	0.030	0.040	4134.08	0.0092	P	5.1
3	☐	0.300	0.308	18271.64	0.0403	P	1.2
4	☐	3.000	3.029	162968.55	0.3572	P	1.2
5	☐	30.000	29.997	1675558.05	3.4977	M	1.7
6	☐	6.000					

y = 0.1165 * x + 0.0045

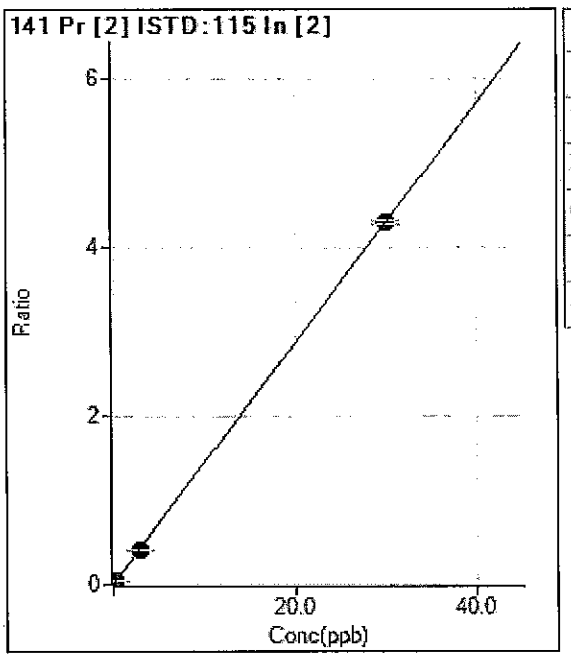
R = 1.0000

DL = 0.009612

BEC = 0.03856

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	253.35	0.0006	P	5.3
2	☐	0.030	0.029	2113.58	0.0047	P	11.8
3	☐	0.300	0.293	19182.67	0.0423	P	0.8
4	☐	3.000	2.885	188002.49	0.4121	P	0.6
5	☐	30.000	30.012	2050471.64	4.2809	A	1.1
6	☐	6.000					

y = 0.1426 * x + 6.0277E-004

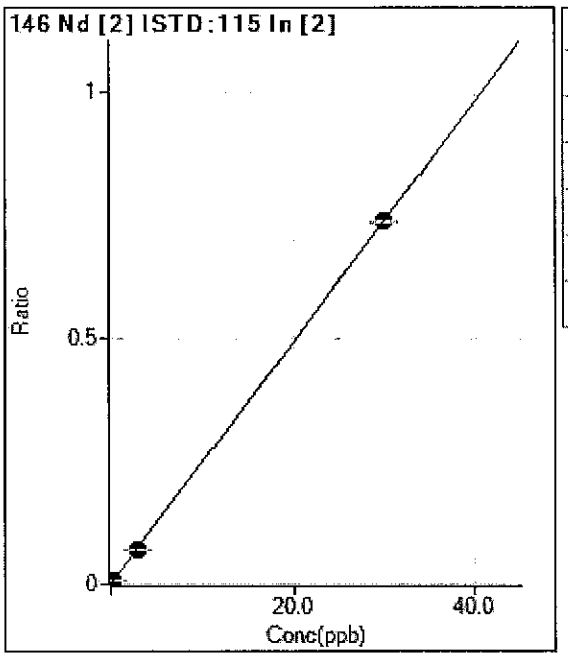
R = 1.0000

DL = 0.0006708

BEC = 0.004226

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	113.34	0.0003	P	34.4
2	☐	0.030	0.026	403.36	0.0009	P	29.8
3	☐	0.300	0.301	3470.56	0.0077	P	6.3
4	☐	3.000	2.869	32258.23	0.0707	P	1.7
5	☐	30.000	30.013	353040.58	0.7372	P	0.5
6	☐	6.000					

y = 0.0246 * x + 2.6893E-004

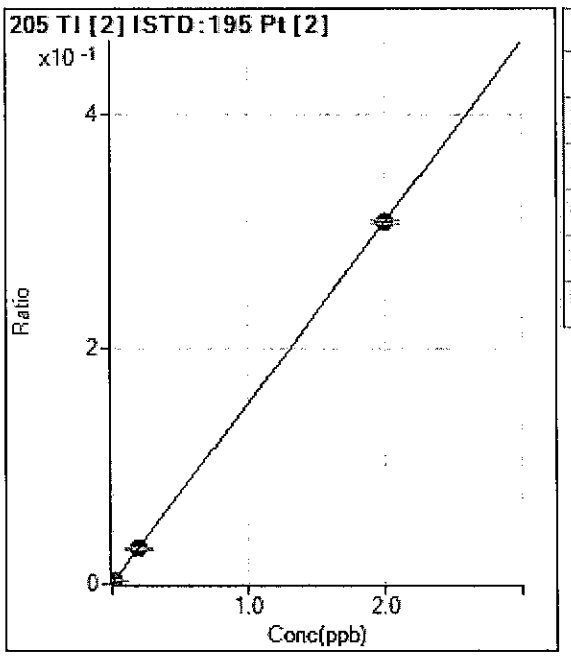
R = 1.0000

DL = 0.01129

BEC = 0.01095

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	33.81	0.0002	P	33.4
2	☐	0.002	0.002	100.48	0.0005	P	16.0
3	☐	0.020	0.020	660.97	0.0033	P	1.4
4	☐	0.200	0.197	6237.06	0.0305	P	2.7
5	☐	2.000	2.000	65957.36	0.3076	P	0.9
6	☐	0.400					

y = 0.1537 * x + 1.8029E-004

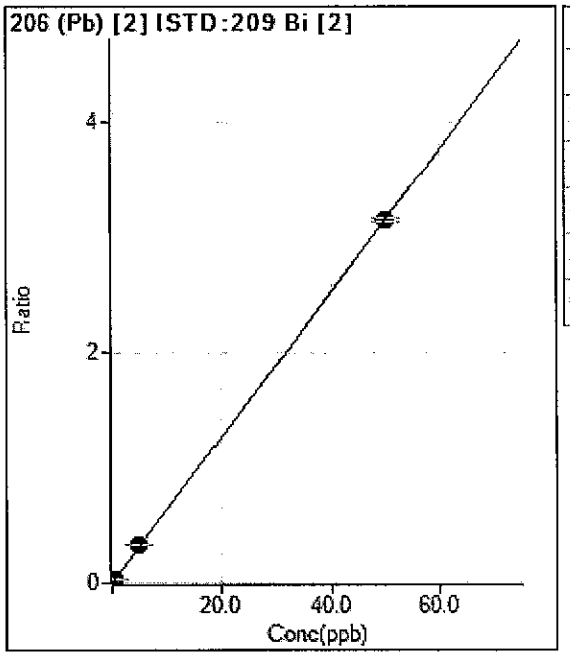
R = 1.0000

DL = 0.001174

BEC = 0.001173

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	153.34	0.0009	P	8.8
2	☐	0.050	0.061	863.40	0.0047	P	28.7
3	☐	0.500	0.529	6318.36	0.0342	P	3.3
4	☐	5.000	5.205	61268.58	0.3284	P	1.7
5	☐	50.000	49.979	621029.13	3.1454	P	1.0
6	☐	10.000					

y = 0.0629 * x + 8.9814E-004

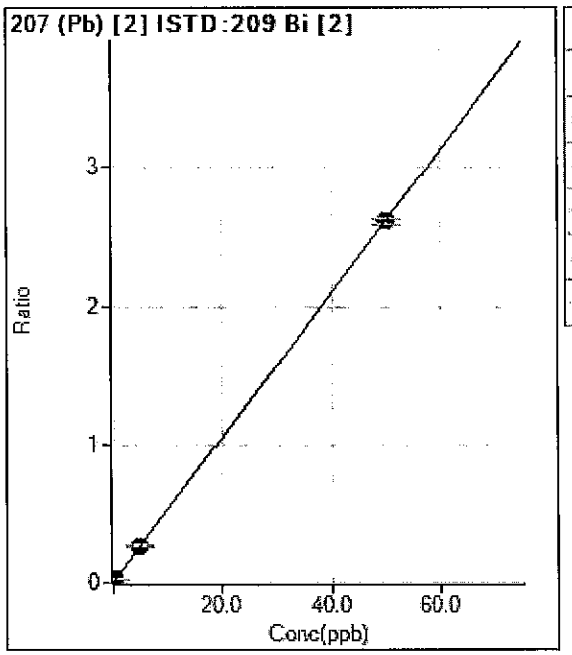
R = 1.0000

DL = 0.003769

BEC = 0.01428

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	200.01	0.0012	P	30.3
2	☐	0.050	0.061	793.40	0.0044	P	4.1
3	☐	0.500	0.540	5424.58	0.0294	P	4.1
4	☐	5.000	5.145	50347.98	0.2699	P	2.2
5	☐	50.000	49.985	515712.05	2.6119	P	1.4
6	☐	10.000					

y = 0.0522 * x + 0.0012

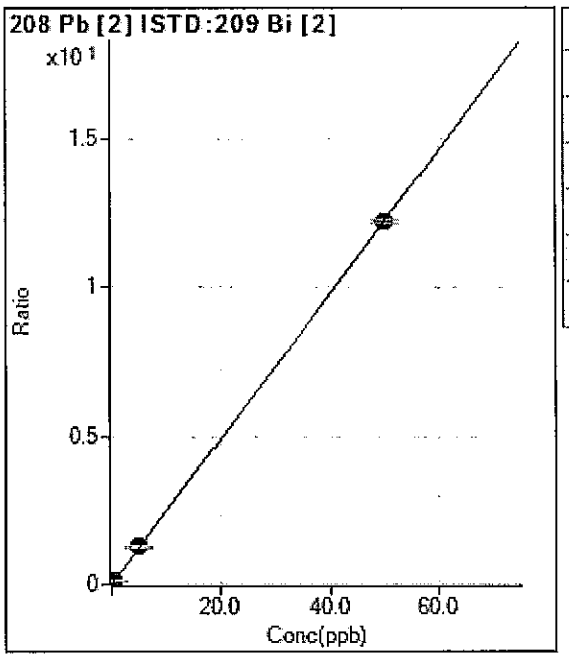
R = 1.0000

DL = 0.02039

BEC = 0.0224

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	760.05	0.0044	P	21.9
2	☐	0.050	0.064	3657.04	0.0201	P	6.5
3	☐	0.500	0.532	24792.67	0.1342	P	1.5
4	☐	5.000	5.159	235744.12	1.2637	P	0.6
5	☐	50.000	49.984	2409756.08	12.2048	P	1.1
6	☐	10.000					

y = 0.2441 * x + 0.0044

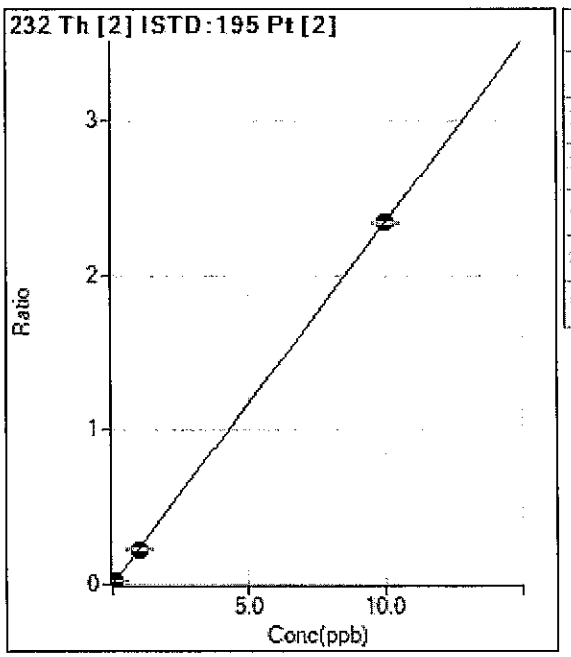
R = 1.0000

DL = 0.01199

BEC = 0.01822

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	73.33	0.0004	P	19.7
2	☐	0.010	0.007	413.35	0.0020	P	6.2
3	☐	0.100	0.084	4078.43	0.0201	P	2.3
4	☐	1.000	0.971	46568.98	0.2279	P	2.3
5	☐	10.000	10.003	502477.50	2.3429	P	0.5
6	☐	2.000					

y = 0.2342 * x + 3.8792E-004

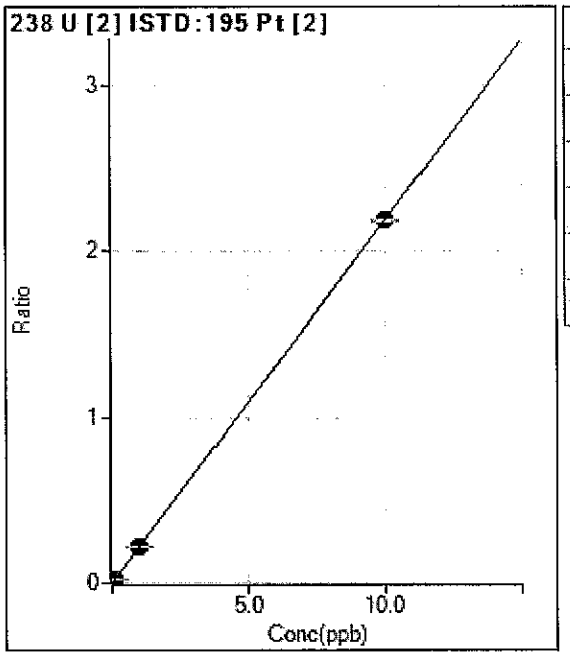
R = 1.0000

DL = 0.000981

BEC = 0.001656

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	177.78	0.0009	P	10.1
2	☐	0.010	0.008	532.24	0.0026	P	5.0
3	☐	0.100	0.092	4281.80	0.0211	P	1.8
4	☐	1.000	0.998	44750.65	0.2189	P	0.7
5	☐	10.000	10.000	468708.30	2.1855	P	0.5
6	☐	2.000					

y = 0.2184 * x + 9.4468E-004

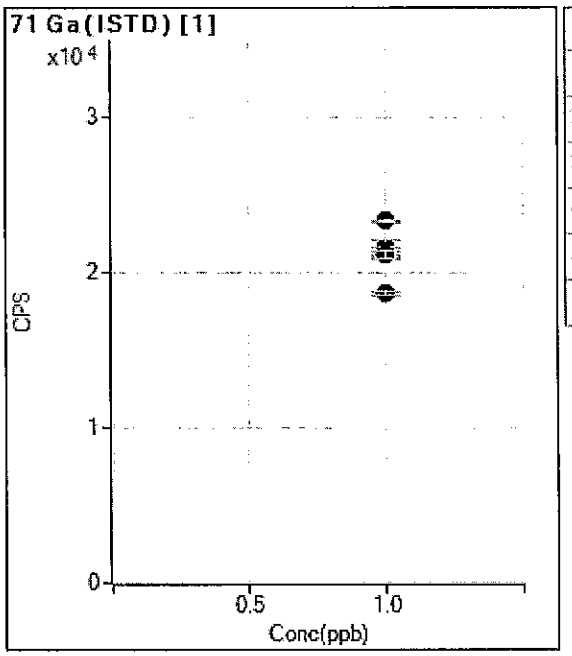
R = 1.0000

DL = 0.001308

BEC = 0.004324

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		18581.32		P	1.4
2	☐	1.000		21538.50		P	4.6
3	☐	1.000		21271.47		P	2.5
4	☐	1.000		21054.47		P	2.1
5	☐	1.000		23260.97		P	0.7
6	☐	1.000					

Miscellaneous

METALS DIGESTION WORKSHEET

ALS Laboratory Group

Digestion Date 10.10.11 | HCl Lot No. K14054 | Method: Ep200.2 | Beaker Lot No. 1012120 | Initial Prep BDS | Final Prep BDS

Digestion Batch 1011013-2 | HNO_3 Lot No. K19023 | SOP/Rev: 806R5 | Avg. Beaker Wt. (g) 9.3 | Prep Start Time 0650 | Prep End Time 2000

Temp 95 °C | Peroxide Lot No. — | Balance(s): 38 | Pipet(s): 1-10 & 1-50 | Digestate Wt. (g) 50.38

Form 805r20.xls (02/10/11)

Note: Each Page is copied as completed and included with the workorder/run documentation; reviewed subsequently

QC Grp	Lab Sample ID	Instrument	Init Vol/Wt (mL / g)	Final Vol. (mL)	Final Wt. (g)	pH	Comments, including metals list
	1110041-1	TR/MS	50.0	50.0	69.7	<2	0041, 0046, 0062, 0079 — MS: Al, Sb, As, Ba, Cd, Ce, Co, Cu, La, Pb, Mn, Mo, Nd, Pb, Se, Ag, Na, Sr, Ti, Th, U, V, Zn
	-3						-TR: IC targets
	-3D						
	-3MS						0106-10 Targets
	-3MSD						
	1110046-1						
	-2						
	1110062-1						
	-3						
	1110079-1						
	-3	TR					
	1110106-1	TR/MS					
	~~FR1110113-7MB~~						
	-7LCS						
	-7RVS						
	~~FM1110113-7LCS~~						
	-7RVS						

BDS 10-13-11

F1110114

FM1110114

QC Grp	Lab Sample ID	Init Vol/Wt. (mL / g)	Final Vol. (mL)	Final Wt. (g)

Spiking Information

QC	Amount
ST110727-2	.5mL RVS MS
ST111006-1	.5mL MS
ST110103-9	.5mL RVS
ST110902-2	.5mL C
ST110902-3	1mL Cal
ST110916-7	1mL Z
ST101229-39	.05mL P
ST101229-40	.05mL S

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