facility 439136
project 10243

Metals

Case Narrative

PW NORM 2017 -- 10048

Work Order Number: 1705202

1. This report consists of 2 water samples.

2. The samples were received cool and intact by ALS on 05/10/17.

3. The samples were to be analyzed for dissolved metals. The samples were filtered through a 0.45 micron filter and preserved with nitric acid to a pH less than two prior to analysis.

4. The samples were prepared and analyzed based on SW-846, 3rd Edition procedures.

   For analysis by Trace ICP and ICP-MS, the samples were digested following method 3005A and the current revision of SOP 806.

5. Analysis by Trace ICP followed method 6010B and the current revision of SOP 834

   Analysis by ICP-MS followed method 6020A and the current revision of SOP 827.

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

7. The samples were prepared and analyzed within the established hold times.

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

8. General quality control procedures.

   - A preparation (method) blank and laboratory control sample were digested and analyzed with the samples in each digestion batch.
   - The preparation (method) blank associated with each digestion batch was below the reporting limit for the requested analytes.
   - All laboratory control sample criteria were met.
   - All initial and continuing calibration blanks were below the reporting limit for the requested analytes.

- All initial and continuing calibration verifications were within the acceptance criteria for the requested analytes.
- The interference check samples and high standard read-backs associated with Method 6010B were within acceptance criteria.
- The interference check samples associated with Method 6020A were analyzed.

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. The samples were analyzed at a dilution in order to protect the Trace ICP from the high metal content of the samples. The samples required dilutions to bring sodium and sulfur into the analytical range of the Trace ICP.

    It is a standard practice that samples for ICP-MS are analyzed at a dilution. Samples 1705177-1, -2 and -3 required a further dilution to bring sodium and strontium into the analytical range of the ICP-MS.

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 Lyons — 6/2/17
Emily Lyons
Date
Inorganics Primary Data Reviewer

6/02/17
Inorganics Final Data Reviewer
Date

Inorganic Data Reporting Qualifiers

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

- Result qualifier -- A “J” is entered if the reported value was obtained from a reading that was less than the Reporting 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 reporting limit, then the result is “J” 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.

  S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Chain of Custody

ALS -- Fort Collins

Sample Number(s) Cross-Reference Table

OrderNum: 1705202
Client Name: COGCC
Client Project Name: PW NORM 2017
Client Project Number: 10048
Client PO Number: CT 2017-3066

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
439136	1705202-1		WATER	09-May-17	12:50
439136	1705202-2		WATER	09-May-17	12:50

ALS Environmental

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

Chain-of-Custody

Turnaround time for samples received after 2 p.m. will be calculated beginning from the next business day.
Turnaround time for samples received Saturday will be calculated beginning from the next business day.

ALS WORKORDER #	
1705202	
PAGE	of
DISPOSAL	BY LAB or RETURN

PROJECT NAME	PW NORM 2017	TURNAROUND TIME	45 days
PROJECT No.	10048	SITE ID	
		EDD FORMAT	COGCC
COMPANY NAME	COGCC	PURCHASE ORDER	CT 2017-3066
SEND REPORT TO	Peter Cintantas	BILL TO COMPANY	
ADDRESS	1120 Lincoln St., Suite 801	INVOICE ATTN TO	
CITY / STATE / ZIP	Denver, CO 80203	ADDRESS	
PHONE	719-679-1326	CITY / STATE / ZIP	
FAX		PHONE	
E-MAIL		FAX	
		E-MAIL	

SAMPLER: Robert Young

PARAMETER/METHOD REQUEST FOR ANALYSIS

A	total metals SW6010/6020
B	dissolved metals SW6010
C	SW9040A pH
D	SM2510B specific conductance
E	SM2320C total, bicarb & carb alkalinity
F	SM2540C dissolved solids
G	SM2540D suspended solids
H	SW9056 ~~SW9~~ (Br, Cl, F, SO_4)
I	SAR calc.
J	

LAB ID	FIELD ID	MATRIX	SAMPLE DATE	SAMPLE TIME	# OF BOTTLES	PRESERVATIVE	QC	A	B	C	D	E	F	G	H	I	J	SEE NOTES SECTION
1	439136	W	5/9/17	1250	1	2	X	X										
↓	439136	W	↓	↓	2	7	X		X	X	X	X	X	X	X	X		

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

NOTES	REPORT LEVEL / QC REQUIRED
	Summary (Standard QC)
	LEVEL II (Standard QC)
	LEVEL III (Std QC + forms)
	LEVEL IV (Std QC + forms + raw)

PRESERVATION KEY: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaOH/ZnAcetate 6-NaHSO4 7-4°C 8-Other

Form 202r9

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	Robert S-Young	Robert Young	5/9/17	1642
RECEIVED BY	~~JOSHUA GRIFFITH~~	~~JOSHUA GRIFFITH~~	~~5/9/17~~	1642
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

ALS Environmental

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

Chain-of-Custody

Turnaround time for samples received after 2 p.m. will be calculated beginning from the next business day.

Turnaround time for samples received Saturday will be calculated beginning from the next business day.

ALS WORKORDER # 1705202

PAGE of

DISPOSAL BY LAB or RETURN

PROJECT NAME	PW NORM 2017	TURNAROUND TIME	45 day
PROJECT No.	10048	SITE ID	
		EDD FORMAT	COGCC
COMPANY NAME	COGCC	PURCHASE ORDER	CT2017-3066
SEND REPORT TO	Peter Gintautas	BILL TO COMPANY	
ADDRESS		INVOICE ATTN TO	
CITY / STATE / ZIP		ADDRESS	
PHONE	719 6791326	CITY / STATE / ZIP	
FAX		PHONE	
E-MAIL		FAX	
		E-MAIL	
		SAMPLER	Robert Young

PARAMETER/METHOD REQUEST FOR ANALYSIS

A	gross alpha/gross beta
B	210 Pb
C	210 Po
D	222 Rn
E	224 Ra + 226 Ra
F	228 Ra
G	gamma emitters
H	* isotopic U
I	* isotopic Th
J	

LAB ID	FIELD ID	MATRIX	SAMPLE DATE	SAMPLE TIME	# OF BOTTLES	PRESERVATIVE	QC	A	B	C	D	E	F	G	H	I	J	SEE NOTES SECTION
	439136	W	5/9/17	1250	3	2		X	X	X		X	X	X	*	*		
	439136	W	"	"	3	7					X							

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

NOTES	REPORT LEVEL / QC REQUIRED
7 of 8 * iso U only if 6020 "total" U > 3 ug/L 8 " Th " " " " Th > 3 ug/L	Summary (Standard QC) LEVEL II (Standard QC) LEVEL III (Std QC + forms) LEVEL IV (Std QC + forms + raw)

PRESERVATION KEY: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaOH/ZnAcetate 6-NaHSO4 7-4°C 8-Other

Form 202r9	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	Robert T. Young	Robert Young	5/8/17	1642
RECEIVED BY		JOSHUA VS	5/9/17	1642
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: COGCC Workorder No: 1705202

Project Manager: SS Initials: CAT Date: 5-10-17

1. Does this project require any special handling in addition to standard ALS 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 any water samples contain sediment? Amount Amount of sediment: ____ dusting ____ moderate ____ heavy	N/A	YES	(NO)
16. Were the samples shipped on ice?		(YES)	(NO)
17. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: (#2) #4	RAD ONLY	(YES)	(NO)

Cooler #:	1	2					
Temperature (°C):	6.0	Amb					
No. of custody seals on cooler:	0	0					
DOT Survey/ Acceptance Information: External µR/hr reading:	NA	NA					
Background µR/hr reading:	NA						

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.

All RAD Samples in the Amb Cooler.

Added 3.5 ml HNO_3 to EA. RAD and Total metals bottle. Final pH < 2. HNO_3 lot no. 152495.

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

Project Manager Signature / Date: Shiloh Summy

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

Form 201r24.xls (06/04/2012)

Sample Results

Total ICP Metals

Method SW6010B

Sample Results

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Field ID: 439136
Lab ID: 1705202-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 09-May-17
Date Extracted: 23-May-17
Date Analyzed: 25-May-17
Prep Method: SW3010 Rev A

Prep Batch: IP170523-1
QCBatchID: IP170523-1-1
Run ID: IT170525-1A6
Cleanup: NONE
Basis: As Received
File Name: 170525A.

Analyst: Steve Workman
Sample Aliquot: 50 ml
Final Volume: 50 ml
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Result Qualifier	Reporting Limit	MDL
7440-41-7	BERYLLIUM	10	0.015	U	0.05	0.015
7440-42-8	BORON	10	14		1	0.3
7440-70-2	CALCIUM	10	120		10	3
7440-47-3	CHROMIUM	10	0.38		0.1	0.03
7439-89-6	IRON	10	79		1	0.3
7439-93-2	LITHIUM	10	1.1		0.1	0.03
7439-95-4	MAGNESIUM	10	26		10	3
7440-02-0	NICKEL	10	0.95		0.2	0.06
7723-14-0	PHOSPHORUS	10	1.6	J	2	0.6
7440-09-7	POTASSIUM	10	50		10	3
7440-21-3	SILICON	10	13		0.5	0.15
7440-23-5	SODIUM	100	5200		100	30
7704-34-9	SULFUR	10	17		2	0.6
7440-62-2	VANADIUM	10	0.042	J	0.1	0.03
	SODIUM ADSORPTION RATIO	100	110		5.4	2.9

Data Package ID: *it1705202-1*

Dissolved ICP Metals

Method SW6010B

Sample Results

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Field ID: 439136
Lab ID: 1705202-2

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 09-May-17
Date Extracted: 19-May-17
Date Analyzed: 22-May-17
Prep Method: SW3005 Rev A

Prep Batch: IP170519-4
QCBatchID: IP170519-4-1
Run ID: IT170522-1A5
Cleanup: NONE
Basis: As Received
File Name: 170522A.

Analyst: Steve Workman
Sample Aliquot: 50 ml
Final Volume: 50 ml
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Result Qualifier	Reporting Limit	MDL
7440-39-3	BARIUM	10	14		1	0.3
7440-70-2	CALCIUM	10	68		10	3
7439-89-6	IRON	10	25		1	0.3
7440-09-7	POTASSIUM	10	48		10	3
7439-95-4	MAGNESIUM	10	25		10	3
7440-23-5	SODIUM	100	5300		100	30
7440-21-3	SILICON	10	10		0.5	0.15
7440-24-6	STRONTIUM	10	9.5		0.1	0.03

Data Package ID: *it1705202-1*

Total ICPMS Metals

Method SW6020A

Sample Results

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Field ID: 439136
Lab ID: 1705202-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 09-May-17
Date Extracted: 23-May-17
Date Analyzed: 26-May-17
Prep Method: SW3010 Rev A

Prep Batch: IP170523-1
QCBatchID: IP170523-1-2
Run ID: IM170526-11A2
Cleanup: NONE
Basis: As Received
File Name: 117SMPL_

Analyst: Brent A. Stanfield
Sample Aliquot: 50 ml
Final Volume: 50 ml
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Result Qualifier	Reporting Limit	MDL
7429-90-5	ALUMINUM	10	0.65		0.1	0.05
7440-38-2	ARSENIC	10	0.018		0.002	0.00091
7440-43-9	CADMIUM	10	0.0014	J	0.002	0.00095
7440-48-4	COBALT	10	0.016		0.005	0.0022
7440-50-8	COPPER	10	0.52		0.02	0.012
7439-92-1	LEAD	10	0.018		0.002	0.0014
7439-96-5	MANGANESE	10	1.1		0.005	0.0023
7439-98-7	MOLYBDENUM	10	0.072		0.002	0.00098
7782-49-2	SELENIUM	10	0.0049	U	0.01	0.0049
7440-22-4	SILVER	10	0.00022	U	0.0005	0.00022
7440-23-5	SODIUM	100	5100		10	4.6
7440-24-6	STRONTIUM	10	9.8		0.005	0.003
7440-28-0	THALLIUM	10	0.00034		0.0001	0.000062
7440-29-1	THORIUM	10	0.00031		0.0002	0.000091
7440-61-1	URANIUM	10	0.0031		0.0001	0.000075
7440-66-6	ZINC	10	0.29		0.1	0.048

Data Package ID: *im1705202-1*

Summary Report Forms

ICP Metals

Method SW6010B

Method Blank

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: IP170519-4MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 19-May-17
Date Analyzed: 22-May-17

Prep Batch: IP170519-4
QCBatchID: IP170519-4-1
Run ID: IT170522-1A5
Cleanup: NONE
Basis: N/A
File Name: 170522A.

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

CASNO	Target Analyte	DF	Result	Result Qualifier	Reporting Limit	MDL
7440-39-3	BARIUM	1	0.03	U	0.1	0.03
7440-70-2	CALCIUM	1	0.3	U	1	0.3
7439-89-6	IRON	1	0.03	U	0.1	0.03
7440-09-7	POTASSIUM	1	0.3	U	1	0.3
7439-95-4	MAGNESIUM	1	0.3	U	1	0.3
7440-23-5	SODIUM	1	0.3	U	1	0.3
7440-21-3	SILICON	1	-0.015	J	0.05	0.015
7440-24-6	STRONTIUM	1	0.003	U	0.01	0.003

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010B

Method Blank

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: IP170523-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 23-May-17
Date Analyzed: 25-May-17

Prep Batch: IP170523-1
QCBatchID: IP170523-1-1
Run ID: IT170525-1A6
Cleanup: NONE
Basis: N/A
File Name: 170525A.

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

CASNO	Target Analyte	DF	Result	Result Qualifier	Reporting Limit	MDL
7440-41-7	BERYLLIUM	1	0.0015	U	0.005	0.0015
7440-42-8	BORON	1	0.03	U	0.1	0.03
7440-70-2	CALCIUM	1	0.3	U	1	0.3
7440-47-3	CHROMIUM	1	0.003	U	0.01	0.003
7439-89-6	IRON	1	0.03	U	0.1	0.03
7439-93-2	LITHIUM	1	0.0033	J	0.01	0.003
7439-95-4	MAGNESIUM	1	0.3	U	1	0.3
7440-02-0	NICKEL	1	0.006	U	0.02	0.006
7723-14-0	PHOSPHORUS	1	0.06	U	0.2	0.06
7440-09-7	POTASSIUM	1	0.3	U	1	0.3
7440-21-3	SILICON	1	0.02	J	0.05	0.015
7440-23-5	SODIUM	1	0.3	U	1	0.3
7704-34-9	SULFUR	1	0.06	U	0.2	0.06
7440-62-2	VANADIUM	1	0.003	U	0.01	0.003
	SODIUM ADSORPTION RATIO	1	0.17	S	0.17	0.093

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010B

Laboratory Control Sample

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: IP170519-4LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 05/19/2017
Date Analyzed: 05/22/2017
Prep Method: SW3005A

Prep Batch: IP170519-4
QCBatchID: IP170519-4-1
Run ID: IT170522-1A5
Cleanup: NONE
Basis: N/A
File Name: 170522A.

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

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7440-39-3	BARIUM	1	0.977	0.1		98	80 - 120%
7440-70-2	CALCIUM	40	38.7	1		97	80 - 120%
7439-89-6	IRON	1	1	0.1		100	80 - 120%
7440-09-7	POTASSIUM	40	38.8	1		97	80 - 120%
7439-95-4	MAGNESIUM	40	39.5	1		99	80 - 120%
7440-23-5	SODIUM	40	39.5	1		99	80 - 120%
7440-21-3	SILICON	1	0.993	0.05		99	80 - 120%
7440-24-6	STRONTIUM	0.5	0.495	0.01		99	80 - 120%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Laboratory Control Sample

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: IP170523-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 05/23/2017
Date Analyzed: 05/25/2017
Prep Method: SW3010A

Prep Batch: IP170523-1
QCBatchID: IP170523-1-1
Run ID: IT170525-1A6
Cleanup: NONE
Basis: N/A
File Name: 170525A.

Sample Aliquot: 50 ml
Final Volume: 50 ml
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	0.0516	0.005		103	80 - 120%
7440-42-8	BORON	1	1	0.1		100	80 - 120%
7440-70-2	CALCIUM	40	39.1	1		98	80 - 120%
7440-47-3	CHROMIUM	0.2	0.21	0.01		105	80 - 120%
7439-89-6	IRON	1	1.04	0.1		104	80 - 120%
7439-93-2	LITHIUM	0.5	0.482	0.01		96	80 - 120%
7439-95-4	MAGNESIUM	40	40.2	1		101	80 - 120%
7440-02-0	NICKEL	0.5	0.511	0.02		102	80 - 120%
7723-14-0	PHOSPHORUS	10	11.1	0.2		111	80 - 120%
7440-09-7	POTASSIUM	40	38.3	1		96	80 - 120%
7440-21-3	SILICON	1	1.04	0.05		104	80 - 120%
7440-23-5	SODIUM	40	37.3	1		93	80 - 120%
7704-34-9	SULFUR	10	10.2	0.2		102	80 - 120%
7440-62-2	VANADIUM	0.5	0.537	0.01		107	80 - 120%

Data Package ID: *it1705202-1*

Prep Batch ID: IP170519-4

Start Date: 05/19/17
Start Time: 14:23
Prep Analyst: Jill M. Latelle

End Date: 05/19/17
End Time: 18:00

Concentration Method: NONE
Extract Method: SW3005A
Initial Volume Units: ml
Final Volume Units: ml

Batch Created By: jml
Date Created: 05/19/17
Time Created: 14:26
Validated By: jml
Date Validated: 05/19/17
Time Validated: 15:26

Comments:

QC Batch ID: IP170519-4-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
IP170519-4	MB	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705100
IP170519-4	LCS	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705100
1705100-7	MS	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705100
1705100-7	MSD	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705100
1705100-7	DUP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705100
1705100-7	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705100
1705202-2	SMP	439136	WATER	5/9/2017	50	50	NONE	1	1705202
1705203-2	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705203
1705240-2	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705240
1705242-2	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705242

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			

Prep Batch ID: IP170523-1

Start Date: 05/23/17
Start Time: 9:36
Prep Analyst: Jill M. Latelle

End Date: 05/23/17
End Time: 18:00

Concentration Method: NONE
Extract Method: SW3010A
Initial Volume Units: ml
Final Volume Units: ml

Batch Created By: jml
Date Created: 05/23/17
Time Created: 10:26
Validated By: bas
Date Validated: 05/27/17
Time Validated: 11:44

Comments:

QC Batch ID: IP170523-1-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
IP170523-1	MB	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705158
IP170523-1	LCS	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705158
1705158-1	MS	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705158
1705158-1	MSD	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705158
1705158-1	DUP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705158
1705095-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705095
1705158-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705158
1705177-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705177
1705177-2	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705177
1705177-3	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705177
1705202-1	SMP	439136	WATER	5/9/2017	50	50	NONE	1	1705202
1705203-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705203
1705240-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705240
1705242-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705242
1705243-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705243
1705369-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705369
1705369-3	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705369
1705376-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705376
1705376-3	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705376
1705376-5	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705376
1705376-7	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705376
1705380-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705380

Prep Batch ID: IP170523-1

Start Date: 05/23/17
Start Time: 9:36
Prep Analyst: Jill M. Latelle

End Date: 05/23/17
End Time: 18:00

Concentration Method: NONE
Extract Method: SW3010A
Initial Volume Units: ml
Final Volume Units: ml

Batch Created By: jml
Date Created: 05/23/17
Time Created: 10:26
Validated By: bas
Date Validated: 05/27/17
Time Validated: 11:44

Comments:

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			

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: ICV
QC Type: Initial Calibration

File Name: 170522A.

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Time Analyzed: 13:32
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	0.5	0.499	0.1		100	90 - 110%
7440-70-2	CALCIUM	25	25.4	1		102	90 - 110%
7439-89-6	IRON	10	10.0	0.1		100	90 - 110%
7439-95-4	MAGNESIUM	25	25.6	1		103	90 - 110%
7440-09-7	POTASSIUM	25	25.0	1		100	90 - 110%
7440-21-3	SILICON	2.5	2.42	0.05		97	90 - 110%
7440-23-5	SODIUM	25	25.3	1		101	90 - 110%
7440-24-6	STRONTIUM	0.25	0.250	0.01		100	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV1
QC Type: Continuing Calibration

File Name: 170522A.

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Time Analyzed: 13:43
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.981	0.1		98	90 - 110%
7440-70-2	CALCIUM	50	50.3	1		101	90 - 110%
7439-89-6	IRON	20	19.8	0.1		99	90 - 110%
7439-95-4	MAGNESIUM	50	50.8	1		102	90 - 110%
7440-09-7	POTASSIUM	50	52.3	1		105	90 - 110%
7440-21-3	SILICON	5	4.71	0.05		94	90 - 110%
7440-23-5	SODIUM	50	52.3	1		105	90 - 110%
7440-24-6	STRONTIUM	0.5	0.491	0.01		98	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV2
QC Type: Continuing Calibration

File Name: 170522A.

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Time Analyzed: 15:36
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.991	0.1		99	90 - 110%
7440-70-2	CALCIUM	50	50.6	1		101	90 - 110%
7439-89-6	IRON	20	19.9	0.1		99	90 - 110%
7439-95-4	MAGNESIUM	50	51.7	1		103	90 - 110%
7440-09-7	POTASSIUM	50	52.8	1		106	90 - 110%
7440-21-3	SILICON	5	4.81	0.05		96	90 - 110%
7440-23-5	SODIUM	50	52.9	1		106	90 - 110%
7440-24-6	STRONTIUM	0.5	0.493	0.01		99	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV3
QC Type: Continuing Calibration

File Name: 170522A.

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Time Analyzed: 15:51
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.987	0.1		99	90 - 110%
7440-70-2	CALCIUM	50	50.1	1		100	90 - 110%
7439-89-6	IRON	20	19.7	0.1		98	90 - 110%
7439-95-4	MAGNESIUM	50	51.3	1		103	90 - 110%
7440-09-7	POTASSIUM	50	52.8	1		106	90 - 110%
7440-21-3	SILICON	5	4.76	0.05		95	90 - 110%
7440-23-5	SODIUM	50	52.9	1		106	90 - 110%
7440-24-6	STRONTIUM	0.5	0.494	0.01		99	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV4
QC Type: Continuing Calibration

File Name: 170522A.

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Time Analyzed: 16:12
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.969	0.1		97	90 - 110%
7440-70-2	CALCIUM	50	48.8	1		98	90 - 110%
7439-89-6	IRON	20	19.3	0.1		97	90 - 110%
7439-95-4	MAGNESIUM	50	50.2	1		100	90 - 110%
7440-09-7	POTASSIUM	50	52.0	1		104	90 - 110%
7440-21-3	SILICON	5	4.66	0.05		93	90 - 110%
7440-23-5	SODIUM	50	52.0	1		104	90 - 110%
7440-24-6	STRONTIUM	0.5	0.488	0.01		98	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV5
QC Type: Continuing Calibration

File Name: 170522A.

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Time Analyzed: 16:33
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.970	0.1		97	90 - 110%
7440-70-2	CALCIUM	50	49.5	1		99	90 - 110%
7439-89-6	IRON	20	19.5	0.1		98	90 - 110%
7439-95-4	MAGNESIUM	50	50.6	1		101	90 - 110%
7440-09-7	POTASSIUM	50	52.1	1		104	90 - 110%
7440-21-3	SILICON	5	4.69	0.05		94	90 - 110%
7440-23-5	SODIUM	50	52.2	1		104	90 - 110%
7440-24-6	STRONTIUM	0.5	0.490	0.01		98	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV6
QC Type: Continuing Calibration

File Name: 170522A.

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Time Analyzed: 16:57
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.975	0.1		98	90 - 110%
7440-70-2	CALCIUM	50	50.0	1		100	90 - 110%
7439-89-6	IRON	20	19.8	0.1		99	90 - 110%
7439-95-4	MAGNESIUM	50	51.2	1		102	90 - 110%
7440-09-7	POTASSIUM	50	52.1	1		104	90 - 110%
7440-21-3	SILICON	5	4.72	0.05		94	90 - 110%
7440-23-5	SODIUM	50	51.9	1		104	90 - 110%
7440-24-6	STRONTIUM	0.5	0.493	0.01		99	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV7
QC Type: Continuing Calibration

File Name: 170522A.

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Time Analyzed: 17:13
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.975	0.1		97	90 - 110%
7440-70-2	CALCIUM	50	49.7	1		99	90 - 110%
7439-89-6	IRON	20	19.7	0.1		98	90 - 110%
7439-95-4	MAGNESIUM	50	51.0	1		102	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	51.6	1		103	90 - 110%
7440-24-6	STRONTIUM	0.5	0.492	0.01		98	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV8
QC Type: Continuing Calibration

File Name: 170522A.

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Time Analyzed: 17:25
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.969	0.1		97	90 - 110%
7440-70-2	CALCIUM	50	49.8	1		100	90 - 110%
7439-89-6	IRON	20	19.7	0.1		98	90 - 110%
7439-95-4	MAGNESIUM	50	51.0	1		102	90 - 110%
7440-09-7	POTASSIUM	50	51.8	1		104	90 - 110%
7440-21-3	SILICON	5	4.73	0.05		95	90 - 110%
7440-23-5	SODIUM	50	51.7	1		103	90 - 110%
7440-24-6	STRONTIUM	0.5	0.487	0.01		97	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV9
QC Type: Continuing Calibration

File Name: 170522A.

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Time Analyzed: 17:31
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.976	0.1		98	90 - 110%
7440-70-2	CALCIUM	50	50.6	1		101	90 - 110%
7439-89-6	IRON	20	19.9	0.1		100	90 - 110%
7439-95-4	MAGNESIUM	50	51.7	1		103	90 - 110%
7440-09-7	POTASSIUM	50	52.2	1		104	90 - 110%
7440-21-3	SILICON	5	4.77	0.05		95	90 - 110%
7440-23-5	SODIUM	50	52.4	1		105	90 - 110%
7440-24-6	STRONTIUM	0.5	0.491	0.01		98	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: ICV
QC Type: Initial Calibration

File Name: 170525A.

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 11:13
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	0.005		102	90 - 110%
7440-42-8	BORON	0.5	0.507	0.1		101	90 - 110%
7440-70-2	CALCIUM	25	25.0	1		100	90 - 110%
7440-47-3	CHROMIUM	0.5	0.510	0.01		102	90 - 110%
7439-89-6	IRON	10	10.1	0.1		101	90 - 110%
7439-93-2	LITHIUM	0.25	0.239	0.01		96	90 - 110%
7439-95-4	MAGNESIUM	25	25.8	1		103	90 - 110%
7440-02-0	NICKEL	0.5	0.506	0.02		101	90 - 110%
7723-14-0	PHOSPHORUS	2.5	2.52	0.2		101	90 - 110%
7440-09-7	POTASSIUM	25	24.4	1		98	90 - 110%
7440-21-3	SILICON	2.5	2.51	0.05		100	90 - 110%
7440-23-5	SODIUM	25	24.0	1		96	90 - 110%
7704-34-9	SULFUR	2.5	2.47	0.2		99	90 - 110%
7440-62-2	VANADIUM	0.25	0.255	0.01		102	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV1
QC Type: Continuing Calibration

File Name: 170525A.

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 11:19
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.503	0.005		101	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	1.01	0.01		101	90 - 110%
7439-89-6	IRON	20	20.5	0.1		102	90 - 110%
7439-93-2	LITHIUM	0.5	0.523	0.01		105	90 - 110%
7439-95-4	MAGNESIUM	50	51.8	1		104	90 - 110%
7440-02-0	NICKEL	1	0.998	0.02		100	90 - 110%
7723-14-0	PHOSPHORUS	5	5.05	0.2		101	90 - 110%
7440-09-7	POTASSIUM	50	51.6	1		103	90 - 110%
7440-21-3	SILICON	5	4.94	0.05		99	90 - 110%
7440-23-5	SODIUM	50	50.3	1		101	90 - 110%
7704-34-9	SULFUR	5	4.91	0.2		98	90 - 110%
7440-62-2	VANADIUM	0.5	0.505	0.01		101	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV2
QC Type: Continuing Calibration

File Name: 170525A.

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 11:37
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	0.005		100	90 - 110%
7440-42-8	BORON	1	1.01	0.1		101	90 - 110%
7440-70-2	CALCIUM	50	49.7	1		99	90 - 110%
7440-47-3	CHROMIUM	1	1.00	0.01		100	90 - 110%
7439-89-6	IRON	20	20.3	0.1		102	90 - 110%
7439-93-2	LITHIUM	0.5	0.524	0.01		105	90 - 110%
7439-95-4	MAGNESIUM	50	51.6	1		103	90 - 110%
7440-02-0	NICKEL	1	0.993	0.02		99	90 - 110%
7723-14-0	PHOSPHORUS	5	5.00	0.2		100	90 - 110%
7440-09-7	POTASSIUM	50	51.5	1		103	90 - 110%
7440-21-3	SILICON	5	4.95	0.05		99	90 - 110%
7440-23-5	SODIUM	50	50.1	1		100	90 - 110%
7704-34-9	SULFUR	5	4.95	0.2		99	90 - 110%
7440-62-2	VANADIUM	0.5	0.502	0.01		100	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV3
QC Type: Continuing Calibration

File Name: 170525A.

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 11:50
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.503	0.005		101	90 - 110%
7440-42-8	BORON	1	1.01	0.1		101	90 - 110%
7440-70-2	CALCIUM	50	50.0	1		100	90 - 110%
7440-47-3	CHROMIUM	1	1.01	0.01		101	90 - 110%
7439-89-6	IRON	20	20.4	0.1		102	90 - 110%
7439-93-2	LITHIUM	0.5	0.507	0.01		101	90 - 110%
7439-95-4	MAGNESIUM	50	51.7	1		103	90 - 110%
7440-02-0	NICKEL	1	0.994	0.02		99	90 - 110%
7723-14-0	PHOSPHORUS	5	5.05	0.2		101	90 - 110%
7440-09-7	POTASSIUM	50	51.7	1		103	90 - 110%
7440-21-3	SILICON	5	4.96	0.05		99	90 - 110%
7440-23-5	SODIUM	50	50.2	1		100	90 - 110%
7704-34-9	SULFUR	5	4.94	0.2		99	90 - 110%
7440-62-2	VANADIUM	0.5	0.505	0.01		101	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV4
QC Type: Continuing Calibration

File Name: 170525A.

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 12:06
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.500	0.005		100	90 - 110%
7440-42-8	BORON	1	1.02	0.1		102	90 - 110%
7440-70-2	CALCIUM	50	49.6	1		99	90 - 110%
7440-47-3	CHROMIUM	1	1.00	0.01		100	90 - 110%
7439-89-6	IRON	20	20.3	0.1		102	90 - 110%
7439-93-2	LITHIUM	0.5	0.508	0.01		102	90 - 110%
7439-95-4	MAGNESIUM	50	51.5	1		103	90 - 110%
7440-02-0	NICKEL	1	1.00	0.02		100	90 - 110%
7723-14-0	PHOSPHORUS	5	5.00	0.2		100	90 - 110%
7440-09-7	POTASSIUM	50	51.6	1		103	90 - 110%
7440-21-3	SILICON	5	4.92	0.05		98	90 - 110%
7440-23-5	SODIUM	50	48.4	1		97	90 - 110%
7704-34-9	SULFUR	5	4.96	0.2		99	90 - 110%
7440-62-2	VANADIUM	0.5	0.503	0.01		101	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV5
QC Type: Continuing Calibration

File Name: 170525A.

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 12:31
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.499	0.005		100	90 - 110%
7440-42-8	BORON	1	1.02	0.1		102	90 - 110%
7440-70-2	CALCIUM	50	49.6	1		99	90 - 110%
7440-47-3	CHROMIUM	1	0.999	0.01		100	90 - 110%
7439-89-6	IRON	20	20.3	0.1		101	90 - 110%
7439-93-2	LITHIUM	0.5	0.507	0.01		101	90 - 110%
7439-95-4	MAGNESIUM	50	51.5	1		103	90 - 110%
7440-02-0	NICKEL	1	1.00	0.02		100	90 - 110%
7723-14-0	PHOSPHORUS	5	5.21	0.2		104	90 - 110%
7440-09-7	POTASSIUM	50	51.5	1		103	90 - 110%
7440-21-3	SILICON	5	4.91	0.05		98	90 - 110%
7440-23-5	SODIUM	50	50.0	1		100	90 - 110%
7704-34-9	SULFUR	5	4.93	0.2		99	90 - 110%
7440-62-2	VANADIUM	0.5	0.502	0.01		100	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV6
QC Type: Continuing Calibration

File Name: 170525A.

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 12:59
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.498	0.005		100	90 - 110%
7440-42-8	BORON	1	1.01	0.1		101	90 - 110%
7440-70-2	CALCIUM	50	49.4	1		99	90 - 110%
7440-47-3	CHROMIUM	1	0.997	0.01		100	90 - 110%
7439-89-6	IRON	20	20.2	0.1		101	90 - 110%
7439-93-2	LITHIUM	0.5	0.502	0.01		100	90 - 110%
7439-95-4	MAGNESIUM	50	51.2	1		102	90 - 110%
7440-02-0	NICKEL	1	0.997	0.02		100	90 - 110%
7723-14-0	PHOSPHORUS	5	5.26	0.2		105	90 - 110%
7440-09-7	POTASSIUM	50	51.0	1		102	90 - 110%
7440-21-3	SILICON	5	4.88	0.05		98	90 - 110%
7440-23-5	SODIUM	50	49.4	1		99	90 - 110%
7704-34-9	SULFUR	5	4.98	0.2		100	90 - 110%
7440-62-2	VANADIUM	0.5	0.500	0.01		100	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV7
QC Type: Continuing Calibration

File Name: 170525A.

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 13:18
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.500	0.005		100	90 - 110%
7440-42-8	BORON	1	1.01	0.1		101	90 - 110%
7440-70-2	CALCIUM	50	49.7	1		99	90 - 110%
7440-47-3	CHROMIUM	1	1.00	0.01		100	90 - 110%
7439-89-6	IRON	20	20.3	0.1		101	90 - 110%
7439-93-2	LITHIUM	0.5	0.502	0.01		100	90 - 110%
7439-95-4	MAGNESIUM	50	51.5	1		103	90 - 110%
7440-02-0	NICKEL	1	0.986	0.02		99	90 - 110%
7723-14-0	PHOSPHORUS	5	5.05	0.2		101	90 - 110%
7440-09-7	POTASSIUM	50	51.1	1		102	90 - 110%
7440-21-3	SILICON	5	4.92	0.05		98	90 - 110%
7440-23-5	SODIUM	50	49.7	1		99	90 - 110%
7704-34-9	SULFUR	5	4.98	0.2		100	90 - 110%
7440-62-2	VANADIUM	0.5	0.502	0.01		100	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV8
QC Type: Continuing Calibration

File Name: 170525A.

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 13:43
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.500	0.005		100	90 - 110%
7440-42-8	BORON	1	1.01	0.1		101	90 - 110%
7440-70-2	CALCIUM	50	49.5	1		99	90 - 110%
7440-47-3	CHROMIUM	1	1.00	0.01		100	90 - 110%
7439-89-6	IRON	20	20.2	0.1		101	90 - 110%
7439-93-2	LITHIUM	0.5	0.501	0.01		100	90 - 110%
7439-95-4	MAGNESIUM	50	51.4	1		103	90 - 110%
7440-02-0	NICKEL	1	0.987	0.02		99	90 - 110%
7723-14-0	PHOSPHORUS	5	5.26	0.2		105	90 - 110%
7440-09-7	POTASSIUM	50	50.9	1		102	90 - 110%
7440-21-3	SILICON	5	4.91	0.05		98	90 - 110%
7440-23-5	SODIUM	50	49.6	1		99	90 - 110%
7704-34-9	SULFUR	5	4.99	0.2		100	90 - 110%
7440-62-2	VANADIUM	0.5	0.501	0.01		100	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV9
QC Type: Continuing Calibration

File Name: 170525A.

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
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	0.512	0.005		102	90 - 110%
7440-42-8	BORON	1	1.04	0.1		104	90 - 110%
7440-70-2	CALCIUM	50	50.8	1		102	90 - 110%
7440-47-3	CHROMIUM	1	1.03	0.01		103	90 - 110%
7439-89-6	IRON	20	20.8	0.1		104	90 - 110%
7439-93-2	LITHIUM	0.5	0.514	0.01		103	90 - 110%
7439-95-4	MAGNESIUM	50	52.8	1		106	90 - 110%
7440-02-0	NICKEL	1	1.01	0.02		101	90 - 110%
7723-14-0	PHOSPHORUS	5	5.37	0.2		107	90 - 110%
7440-09-7	POTASSIUM	50	52.1	1		104	90 - 110%
7440-21-3	SILICON	5	5.05	0.05		101	90 - 110%
7440-23-5	SODIUM	50	48.7	1		97	90 - 110%
7704-34-9	SULFUR	5	5.12	0.2		102	90 - 110%
7440-62-2	VANADIUM	0.5	0.512	0.01		102	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV10
QC Type: Continuing Calibration

File Name: 170525A.

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 14:21
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.512	0.005		102	90 - 110%
7440-42-8	BORON	1	1.03	0.1		103	90 - 110%
7440-70-2	CALCIUM	50	50.7	1		101	90 - 110%
7440-47-3	CHROMIUM	1	1.02	0.01		102	90 - 110%
7439-89-6	IRON	20	20.7	0.1		104	90 - 110%
7439-93-2	LITHIUM	0.5	0.510	0.01		102	90 - 110%
7439-95-4	MAGNESIUM	50	52.6	1		105	90 - 110%
7440-02-0	NICKEL	1	0.999	0.02		100	90 - 110%
7723-14-0	PHOSPHORUS	5	5.42	0.2		108	90 - 110%
7440-09-7	POTASSIUM	50	51.7	1		103	90 - 110%
7440-21-3	SILICON	5	5.02	0.05		100	90 - 110%
7440-23-5	SODIUM	50	50.2	1		100	90 - 110%
7704-34-9	SULFUR	5	5.06	0.2		101	90 - 110%
7440-62-2	VANADIUM	0.5	0.512	0.01		102	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV11
QC Type: Continuing Calibration

File Name: 170525A.

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 14:42
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.503	0.005		101	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	1.00	0.01		100	90 - 110%
7439-89-6	IRON	20	20.4	0.1		102	90 - 110%
7439-93-2	LITHIUM	0.5	0.501	0.01		100	90 - 110%
7439-95-4	MAGNESIUM	50	51.6	1		103	90 - 110%
7440-02-0	NICKEL	1	0.987	0.02		99	90 - 110%
7723-14-0	PHOSPHORUS	5	5.06	0.2		101	90 - 110%
7440-09-7	POTASSIUM	50	50.8	1		102	90 - 110%
7440-21-3	SILICON	5	4.92	0.05		98	90 - 110%
7440-23-5	SODIUM	50	49.4	1		99	90 - 110%
7704-34-9	SULFUR	5	5.00	0.2		100	90 - 110%
7440-62-2	VANADIUM	0.5	0.504	0.01		101	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV12
QC Type: Continuing Calibration

File Name: 170525A.

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 14:55
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.506	0.005		101	90 - 110%
7440-42-8	BORON	1	1.02	0.1		102	90 - 110%
7440-70-2	CALCIUM	50	50.4	1		101	90 - 110%
7440-47-3	CHROMIUM	1	1.01	0.01		101	90 - 110%
7439-89-6	IRON	20	20.5	0.1		103	90 - 110%
7439-93-2	LITHIUM	0.5	0.507	0.01		101	90 - 110%
7439-95-4	MAGNESIUM	50	52.2	1		104	90 - 110%
7440-02-0	NICKEL	1	0.999	0.02		100	90 - 110%
7723-14-0	PHOSPHORUS	5	5.20	0.2		104	90 - 110%
7440-09-7	POTASSIUM	50	51.4	1		103	90 - 110%
7440-21-3	SILICON	5	4.96	0.05		99	90 - 110%
7440-23-5	SODIUM	50	49.8	1		100	90 - 110%
7704-34-9	SULFUR	5	5.04	0.2		101	90 - 110%
7440-62-2	VANADIUM	0.5	0.508	0.01		102	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV13
QC Type: Continuing Calibration

File Name: 170525A.

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 15:19
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.503	0.005		101	90 - 110%
7440-42-8	BORON	1	1.02	0.1		102	90 - 110%
7440-70-2	CALCIUM	50	50.0	1		100	90 - 110%
7440-47-3	CHROMIUM	1	1.01	0.01		101	90 - 110%
7439-89-6	IRON	20	20.3	0.1		102	90 - 110%
7439-93-2	LITHIUM	0.5	0.503	0.01		101	90 - 110%
7439-95-4	MAGNESIUM	50	51.7	1		103	90 - 110%
7440-02-0	NICKEL	1	0.993	0.02		99	90 - 110%
7723-14-0	PHOSPHORUS	5	5.01	0.2		100	90 - 110%
7440-09-7	POTASSIUM	50	51.0	1		102	90 - 110%
7440-21-3	SILICON	5	4.91	0.05		98	90 - 110%
7440-23-5	SODIUM	50	49.6	1		99	90 - 110%
7704-34-9	SULFUR	5	5.02	0.2		100	90 - 110%
7440-62-2	VANADIUM	0.5	0.504	0.01		101	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV14
QC Type: Continuing Calibration

File Name: 170525A.

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 15:26
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-41-7	BERYLLIUM	0.5	0.506	0.005		101	90 - 110%
7440-42-8	BORON	1	1.03	0.1		103	90 - 110%
7440-70-2	CALCIUM	50	50.5	1		101	90 - 110%
7440-47-3	CHROMIUM	1	1.01	0.01		101	90 - 110%
7439-89-6	IRON	20	20.5	0.1		103	90 - 110%
7439-93-2	LITHIUM	0.5	0.510	0.01		102	90 - 110%
7439-95-4	MAGNESIUM	50	52.2	1		104	90 - 110%
7440-02-0	NICKEL	1	1.01	0.02		101	90 - 110%
7723-14-0	PHOSPHORUS	5	4.96	0.2		99	90 - 110%
7440-09-7	POTASSIUM	50	51.7	1		103	90 - 110%
7440-21-3	SILICON	5	4.96	0.05		99	90 - 110%
7440-23-5	SODIUM	50	50.7	1		101	90 - 110%
7704-34-9	SULFUR	5	5.03	0.2		101	90 - 110%
7440-62-2	VANADIUM	0.5	0.509	0.01		102	90 - 110%

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: ICB
QC Type: Initial Calibration

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Time Analyzed: 1:37:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	0.000186	0.1	U
7440-70-2	CALCIUM	0.0223	1	J
7439-89-6	IRON	0.00494	0.1	U
7439-95-4	MAGNESIUM	0.013	1	U
7440-09-7	POTASSIUM	0.171	1	J
7440-21-3	SILICON	-0.0131	0.05	J
7440-23-5	SODIUM	0.0728	1	J
7440-24-6	STRONTIUM	-0.000826	0.01	J

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB1
QC Type: Continuing Calibration

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Time Analyzed: 1:44:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	0.000186	0.1	U
7440-70-2	CALCIUM	0.0284	1	J
7439-89-6	IRON	0.00748	0.1	J
7439-95-4	MAGNESIUM	0.0133	1	J
7440-09-7	POTASSIUM	0.187	1	J
7440-21-3	SILICON	-0.0137	0.05	J
7440-23-5	SODIUM	0.0799	1	J
7440-24-6	STRONTIUM	-0.0008	0.01	J

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB2
QC Type: Continuing Calibration

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Time Analyzed: 3:37:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	0.000186	0.1	U
7440-70-2	CALCIUM	0.061	1	J
7439-89-6	IRON	0.0203	0.1	J
7439-95-4	MAGNESIUM	0.0282	1	J
7440-09-7	POTASSIUM	0.19	1	J
7440-21-3	SILICON	-0.0154	0.05	J
7440-23-5	SODIUM	0.0932	1	J
7440-24-6	STRONTIUM	-0.000756	0.01	J

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB3
QC Type: Continuing Calibration

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Time Analyzed: 3:52:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	0.000186	0.1	U
7440-70-2	CALCIUM	0.0871	1	J
7439-89-6	IRON	0.0215	0.1	J
7439-95-4	MAGNESIUM	0.0313	1	J
7440-09-7	POTASSIUM	0.183	1	J
7440-21-3	SILICON	-0.0162	0.05	J
7440-23-5	SODIUM	0.0966	1	J
7440-24-6	STRONTIUM	-0.000747	0.01	J

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB4
QC Type: Continuing Calibration

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Time Analyzed: 4:13:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	0.000186	0.1	U
7440-70-2	CALCIUM	0.0796	1	J
7439-89-6	IRON	0.0238	0.1	J
7439-95-4	MAGNESIUM	0.037	1	J
7440-09-7	POTASSIUM	0.192	1	J
7440-21-3	SILICON	-0.016	0.05	J
7440-23-5	SODIUM	0.0933	1	J
7440-24-6	STRONTIUM	-0.000651	0.01	J

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB5
QC Type: Continuing Calibration

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Time Analyzed: 4:34:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	0.000207	0.1	J
7440-70-2	CALCIUM	0.0857	1	J
7439-89-6	IRON	0.0285	0.1	J
7439-95-4	MAGNESIUM	0.037	1	J
7440-09-7	POTASSIUM	0.198	1	J
7440-21-3	SILICON	-0.0151	0.05	J
7440-23-5	SODIUM	0.0958	1	J
7440-24-6	STRONTIUM	-0.000642	0.01	J

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB6
QC Type: Continuing Calibration

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Time Analyzed: 4:58:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	0.000186	0.1	U
7440-70-2	CALCIUM	0.0641	1	J
7439-89-6	IRON	0.0241	0.1	J
7439-95-4	MAGNESIUM	0.0263	1	J
7440-09-7	POTASSIUM	0.176	1	J
7440-21-3	SILICON	-0.0138	0.05	J
7440-23-5	SODIUM	0.099	1	J
7440-24-6	STRONTIUM	-0.000765	0.01	J

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB7
QC Type: Continuing Calibration

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Time Analyzed: 5:14:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	0.000186	0.1	U
7440-70-2	CALCIUM	0.0677	1	J
7439-89-6	IRON	0.0248	0.1	J
7439-95-4	MAGNESIUM	0.0304	1	J
7440-09-7	POTASSIUM	0.171	1	J
7440-21-3	SILICON	-0.0105	0.05	J
7440-23-5	SODIUM	0.1	1	J
7440-24-6	STRONTIUM	-0.000694	0.01	J

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB8
QC Type: Continuing Calibration

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Time Analyzed: 5:26:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	0.000186	0.1	U
7440-70-2	CALCIUM	0.0677	1	J
7439-89-6	IRON	0.0259	0.1	J
7439-95-4	MAGNESIUM	0.0297	1	J
7440-09-7	POTASSIUM	0.184	1	J
7440-21-3	SILICON	-0.012	0.05	J
7440-23-5	SODIUM	0.0941	1	J
7440-24-6	STRONTIUM	-0.00073	0.01	J

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB9
QC Type: Continuing Calibration

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Time Analyzed: 5:33:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	0.000186	0.1	U
7440-70-2	CALCIUM	0.0711	1	J
7439-89-6	IRON	0.0291	0.1	J
7439-95-4	MAGNESIUM	0.0351	1	J
7440-09-7	POTASSIUM	0.213	1	J
7440-21-3	SILICON	-0.0107	0.05	J
7440-23-5	SODIUM	0.0915	1	J
7440-24-6	STRONTIUM	-0.000694	0.01	J

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: ICB
QC Type: Initial Calibration

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 11:14:00 AM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	-0.000354	0.005	J
7440-42-8	BORON	0.00309	0.1	U
7440-70-2	CALCIUM	0.0141	1	J
7440-47-3	CHROMIUM	0.00051	0.01	U
7439-89-6	IRON	0.00494	0.1	U
7439-93-2	LITHIUM	0.00338	0.01	J
7439-95-4	MAGNESIUM	0.013	1	U
7440-02-0	NICKEL	-0.00127	0.02	J
7723-14-0	PHOSPHORUS	-0.0431	0.2	J
7440-09-7	POTASSIUM	0.21	1	J
7440-21-3	SILICON	0.00443	0.05	U
7440-23-5	SODIUM	0.0621	1	J
7704-34-9	SULFUR	0.00902	0.2	U
7440-62-2	VANADIUM	-0.000601	0.01	J

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB1
QC Type: Continuing Calibration

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 11:20:00 AM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	-0.000354	0.005	J
7440-42-8	BORON	0.00309	0.1	U
7440-70-2	CALCIUM	0.0216	1	J
7440-47-3	CHROMIUM	0.00051	0.01	U
7439-89-6	IRON	0.00595	0.1	J
7439-93-2	LITHIUM	0.00344	0.01	J
7439-95-4	MAGNESIUM	0.0168	1	J
7440-02-0	NICKEL	0.000932	0.02	U
7723-14-0	PHOSPHORUS	0.00802	0.2	J
7440-09-7	POTASSIUM	0.228	1	J
7440-21-3	SILICON	0.00443	0.05	U
7440-23-5	SODIUM	0.066	1	J
7704-34-9	SULFUR	-0.0152	0.2	J
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB2
QC Type: Continuing Calibration

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 11:39:00 AM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	-0.000219	0.005	J
7440-42-8	BORON	0.00309	0.1	U
7440-70-2	CALCIUM	0.0271	1	J
7440-47-3	CHROMIUM	0.000599	0.01	J
7439-89-6	IRON	0.0079	0.1	J
7439-93-2	LITHIUM	0.00345	0.01	J
7439-95-4	MAGNESIUM	0.0243	1	J
7440-02-0	NICKEL	0.00121	0.02	J
7723-14-0	PHOSPHORUS	-0.0431	0.2	J
7440-09-7	POTASSIUM	0.221	1	J
7440-21-3	SILICON	0.00443	0.05	U
7440-23-5	SODIUM	0.0696	1	J
7704-34-9	SULFUR	0.00902	0.2	U
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB3
QC Type: Continuing Calibration

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 11:52:00 AM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	-0.000207	0.005	J
7440-42-8	BORON	0.00309	0.1	U
7440-70-2	CALCIUM	0.0327	1	J
7440-47-3	CHROMIUM	0.00051	0.01	U
7439-89-6	IRON	0.0088	0.1	J
7439-93-2	LITHIUM	0.00338	0.01	J
7439-95-4	MAGNESIUM	0.0219	1	J
7440-02-0	NICKEL	0.000932	0.02	U
7723-14-0	PHOSPHORUS	0.0592	0.2	J
7440-09-7	POTASSIUM	0.223	1	J
7440-21-3	SILICON	0.00443	0.05	U
7440-23-5	SODIUM	0.0787	1	J
7704-34-9	SULFUR	-0.0177	0.2	J
7440-62-2	VANADIUM	-0.000537	0.01	J

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB4
QC Type: Continuing Calibration

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 12:07:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	0.000176	0.005	U
7440-42-8	BORON	0.00309	0.1	U
7440-70-2	CALCIUM	0.0459	1	J
7440-47-3	CHROMIUM	0.00051	0.01	U
7439-89-6	IRON	0.0114	0.1	J
7439-93-2	LITHIUM	0.00347	0.01	J
7439-95-4	MAGNESIUM	0.031	1	J
7440-02-0	NICKEL	0.000932	0.02	U
7723-14-0	PHOSPHORUS	0.0592	0.2	J
7440-09-7	POTASSIUM	0.222	1	J
7440-21-3	SILICON	0.00443	0.05	U
7440-23-5	SODIUM	0.134	1	J
7704-34-9	SULFUR	0.00902	0.2	U
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB5
QC Type: Continuing Calibration

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 12:32:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	0.000176	0.005	U
7440-42-8	BORON	0.00309	0.1	U
7440-70-2	CALCIUM	0.0398	1	J
7440-47-3	CHROMIUM	0.000666	0.01	J
7439-89-6	IRON	0.011	0.1	J
7439-93-2	LITHIUM	0.0034	0.01	J
7439-95-4	MAGNESIUM	0.0317	1	J
7440-02-0	NICKEL	0.0014	0.02	J
7723-14-0	PHOSPHORUS	0.0592	0.2	J
7440-09-7	POTASSIUM	0.215	1	J
7440-21-3	SILICON	0.00443	0.05	U
7440-23-5	SODIUM	0.0876	1	J
7704-34-9	SULFUR	0.00902	0.2	U
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB6
QC Type: Continuing Calibration

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 1:00:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	0.000176	0.005	U
7440-42-8	BORON	0.00309	0.1	U
7440-70-2	CALCIUM	0.0334	1	J
7440-47-3	CHROMIUM	0.00051	0.01	U
7439-89-6	IRON	0.00921	0.1	J
7439-93-2	LITHIUM	0.00335	0.01	J
7439-95-4	MAGNESIUM	0.0172	1	J
7440-02-0	NICKEL	-0.00106	0.02	J
7723-14-0	PHOSPHORUS	0.0592	0.2	J
7440-09-7	POTASSIUM	0.198	1	J
7440-21-3	SILICON	0.00443	0.05	U
7440-23-5	SODIUM	0.0848	1	J
7704-34-9	SULFUR	0.00902	0.2	U
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB7
QC Type: Continuing Calibration

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 1:19:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	0.000176	0.005	U
7440-42-8	BORON	0.00309	0.1	U
7440-70-2	CALCIUM	0.0361	1	J
7440-47-3	CHROMIUM	0.000816	0.01	J
7439-89-6	IRON	0.00986	0.1	J
7439-93-2	LITHIUM	0.0034	0.01	J
7439-95-4	MAGNESIUM	0.0273	1	J
7440-02-0	NICKEL	0.000932	0.02	U
7723-14-0	PHOSPHORUS	0.0592	0.2	J
7440-09-7	POTASSIUM	0.228	1	J
7440-21-3	SILICON	0.00443	0.05	U
7440-23-5	SODIUM	0.0839	1	J
7704-34-9	SULFUR	-0.0177	0.2	J
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB8
QC Type: Continuing Calibration

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 1:44:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	-0.000224	0.005	J
7440-42-8	BORON	0.00309	0.1	U
7440-70-2	CALCIUM	0.0367	1	J
7440-47-3	CHROMIUM	0.00084	0.01	J
7439-89-6	IRON	0.0105	0.1	J
7439-93-2	LITHIUM	0.00341	0.01	J
7439-95-4	MAGNESIUM	0.0256	1	J
7440-02-0	NICKEL	0.000932	0.02	U
7723-14-0	PHOSPHORUS	0.0592	0.2	J
7440-09-7	POTASSIUM	0.229	1	J
7440-21-3	SILICON	0.00443	0.05	U
7440-23-5	SODIUM	0.0809	1	J
7704-34-9	SULFUR	-0.0102	0.2	J
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB9
QC Type: Continuing Calibration

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 2:09:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	-0.000197	0.005	J
7440-42-8	BORON	0.0063	0.1	J
7440-70-2	CALCIUM	0.039	1	J
7440-47-3	CHROMIUM	0.000672	0.01	J
7439-89-6	IRON	0.0108	0.1	J
7439-93-2	LITHIUM	0.00354	0.01	J
7439-95-4	MAGNESIUM	0.029	1	J
7440-02-0	NICKEL	0.000932	0.02	U
7723-14-0	PHOSPHORUS	-0.0431	0.2	J
7440-09-7	POTASSIUM	0.232	1	J
7440-21-3	SILICON	0.00443	0.05	U
7440-23-5	SODIUM	0.143	1	J
7704-34-9	SULFUR	-0.0177	0.2	J
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB10
QC Type: Continuing Calibration

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 2:22:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	-0.000214	0.005	J
7440-42-8	BORON	0.00309	0.1	U
7440-70-2	CALCIUM	0.0411	1	J
7440-47-3	CHROMIUM	0.00051	0.01	U
7439-89-6	IRON	0.0112	0.1	J
7439-93-2	LITHIUM	0.00356	0.01	J
7439-95-4	MAGNESIUM	0.0286	1	J
7440-02-0	NICKEL	0.000932	0.02	U
7723-14-0	PHOSPHORUS	0.00802	0.2	J
7440-09-7	POTASSIUM	0.223	1	J
7440-21-3	SILICON	0.00443	0.05	U
7440-23-5	SODIUM	0.128	1	J
7704-34-9	SULFUR	0.00902	0.2	U
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB11
QC Type: Continuing Calibration

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 2:43:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	0.000176	0.005	U
7440-42-8	BORON	0.00309	0.1	U
7440-70-2	CALCIUM	0.0428	1	J
7440-47-3	CHROMIUM	0.00051	0.01	U
7439-89-6	IRON	0.012	0.1	J
7439-93-2	LITHIUM	0.00347	0.01	J
7439-95-4	MAGNESIUM	0.0297	1	J
7440-02-0	NICKEL	0.000932	0.02	U
7723-14-0	PHOSPHORUS	0.0592	0.2	J
7440-09-7	POTASSIUM	0.205	1	J
7440-21-3	SILICON	0.00443	0.05	U
7440-23-5	SODIUM	0.124	1	J
7704-34-9	SULFUR	0.00902	0.2	U
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB12
QC Type: Continuing Calibration

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 2:56:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	-0.000301	0.005	J
7440-42-8	BORON	0.00309	0.1	U
7440-70-2	CALCIUM	0.0306	1	J
7440-47-3	CHROMIUM	0.00051	0.01	U
7439-89-6	IRON	0.00848	0.1	J
7439-93-2	LITHIUM	0.00341	0.01	J
7439-95-4	MAGNESIUM	0.0232	1	J
7440-02-0	NICKEL	0.000932	0.02	U
7723-14-0	PHOSPHORUS	0.011	0.2	J
7440-09-7	POTASSIUM	0.215	1	J
7440-21-3	SILICON	0.00443	0.05	U
7440-23-5	SODIUM	0.108	1	J
7704-34-9	SULFUR	0.00902	0.2	U
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB13
QC Type: Continuing Calibration

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 3:20:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	-0.00018	0.005	J
7440-42-8	BORON	0.00413	0.1	J
7440-70-2	CALCIUM	0.0336	1	J
7440-47-3	CHROMIUM	0.000598	0.01	J
7439-89-6	IRON	0.00953	0.1	J
7439-93-2	LITHIUM	0.00344	0.01	J
7439-95-4	MAGNESIUM	0.0253	1	J
7440-02-0	NICKEL	0.000932	0.02	U
7723-14-0	PHOSPHORUS	0.0592	0.2	J
7440-09-7	POTASSIUM	0.223	1	J
7440-21-3	SILICON	0.00443	0.05	U
7440-23-5	SODIUM	0.105	1	J
7704-34-9	SULFUR	-0.0177	0.2	J
7440-62-2	VANADIUM	0.000532	0.01	U

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB14
QC Type: Continuing Calibration

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Time Analyzed: 3:28:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-41-7	BERYLLIUM	0.000176	0.005	U
7440-42-8	BORON	0.00309	0.1	U
7440-70-2	CALCIUM	0.0378	1	J
7440-47-3	CHROMIUM	-0.000693	0.01	J
7439-89-6	IRON	0.0108	0.1	J
7439-93-2	LITHIUM	0.0034	0.01	J
7439-95-4	MAGNESIUM	0.0219	1	J
7440-02-0	NICKEL	-0.00129	0.02	J
7723-14-0	PHOSPHORUS	0.0592	0.2	J
7440-09-7	POTASSIUM	0.196	1	J
7440-21-3	SILICON	0.00443	0.05	U
7440-23-5	SODIUM	0.1	1	J
7704-34-9	SULFUR	-0.0152	0.2	J
7440-62-2	VANADIUM	-0.000816	0.01	J

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Result Units: MG/L

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7440-39-3	BARIUM		0.5		0.533	107
7440-70-2	CALCIUM	250	250	258	255	102
7439-89-6	IRON	100	100	107	106	106
7439-95-4	MAGNESIUM	250	250	268	265	106
7440-09-7	POTASSIUM					
7440-21-3	SILICON		1		0.94400	94
7440-23-5	SODIUM					
7440-24-6	STRONTIUM		1		1.02	102

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Run ID: IT170522-1A5
Date Analyzed: 05/22/2017
Result Units: MG/L

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA2	ICSAB2	ICSA2	ICSAB2	
7440-39-3	BARIUM		0.5		0.529	106
7440-70-2	CALCIUM	250	250	259	258	103
7439-89-6	IRON	100	100	108	108	108
7439-95-4	MAGNESIUM	250	250	272	271	108
7440-09-7	POTASSIUM					
7440-21-3	SILICON		1		0.95700	96
7440-23-5	SODIUM					
7440-24-6	STRONTIUM		1		1.02	102

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Result Units: MG/L

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7440-41-7	BERYLLIUM		0.5		0.50700	101
7440-42-8	BORON		1		1.03	103
7440-70-2	CALCIUM	250	250	256	256	102
7440-47-3	CHROMIUM		0.5		0.506	101
7439-89-6	IRON	100	100	109	109	109
7439-93-2	LITHIUM		1		1.13	113
7439-95-4	MAGNESIUM	250	250	269	270	108
7440-02-0	NICKEL		1		0.99900	100
7723-14-0	PHOSPHORUS		1		1.19000	119
7440-09-7	POTASSIUM					
7440-21-3	SILICON		1		0.99900	100
7440-23-5	SODIUM					
7704-34-9	SULFUR		1		1.08000	108
7440-62-2	VANADIUM		0.5		0.50800	102

Data Package ID: *it1705202-1*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Run ID: IT170525-1A6
Date Analyzed: 05/25/2017
Result Units: MG/L

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA2	ICSAB2	ICSA2	ICSAB2	
7440-41-7	BERYLLIUM		0.5		0.511	102
7440-42-8	BORON		1		1.04	104
7440-70-2	CALCIUM	250	250	258	258	103
7440-47-3	CHROMIUM		0.5		0.51	102
7439-89-6	IRON	100	100	110	109	109
7439-93-2	LITHIUM		1		1.09000	109
7439-95-4	MAGNESIUM	250	250	272	272	109
7440-02-0	NICKEL		1		1.01	101
7723-14-0	PHOSPHORUS		1		1.12000	112
7440-09-7	POTASSIUM					
7440-21-3	SILICON		1		1	100
7440-23-5	SODIUM					
7704-34-9	SULFUR		1		1.08000	108
7440-62-2	VANADIUM		0.5		0.51300	103

Data Package ID: *it1705202-1*

Metals Linear Ranges

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Instrument ID: ICPTrace2
Active Date: 03/02/2010
Expiration Date: 05/31/2018

CASNO	Target Analyte	Concentration (ppm)
7429-90-5	ALUMINUM	500
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
7440-66-6	ZINC	10

ICP Interelement Correction Factors

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Instrument ID: ICPTrace2
Active Date: 5/4/2017
Expiration Date: 5/4/2018

Analyte	Lamda (nm)	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Th
ALUMINUM																	
BERYLLIUM																	
CADMIUM				0.00755													
CHROMIUM																	
COBALT					-0.001400												
COPPER																	
LEAD		0.000214										0.000036					
SELENIUM												-0.00013					
SILICON																	
SILVER																	
THALLIUM												-0.00025			-0.00019		
URANIUM												0.001035					
VANADIUM									-0.0014			-0.000244					
ZINC									-0.044								

ICP Interelement Correction Factors

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Instrument ID: ICPTrace2
Active Date: 5/4/2017
Expiration Date: 5/4/2018

Analyte	Lamda (nm)	K	Se	Ag	Na	Tl	V	Zn	Sn	Ti	Mo	Li	Sr	B	Si	U	Zr
ALUMINUM							0.0286				0.0033239					-0.0246	
BERYLLIUM							0.00189									0.0001	
CADMIUM																	
CHROMIUM																0.0006733	
COBALT										0.002105							
COPPER																0.000521	
LEAD										-0.000832	-0.00212					0.0013	
SELENIUM																0.0000151	
SILICON										0.007	-0.0051					0.000318	
SILVER																0.0006982	
THALLIUM							-0.00016			0.00002						-0.000582	
URANIUM																	
VANADIUM																	
ZINC																	

ICPTrace2 Run Log -- 5/22/2017

Instrument ID: ICPTrace2
File Name: 170522A.
AnalRunID: IT170522-1A1
CalibRefID: IT170522-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		MIXAHIGH	1	5/22/2017	13:23
		MIXBHIGH	1	5/22/2017	13:24
		MIXCHIGH	1	5/22/2017	13:25
		ICV	1	5/22/2017	13:32
		ICB	1	5/22/2017	13:37
		CRI1	1	5/22/2017	13:38
		LIV	1	5/22/2017	13:40
		ICSA1	1	5/22/2017	13:41
		ICSAB1	1	5/22/2017	13:42
		CCV1	1	5/22/2017	13:43
		CCB1	1	5/22/2017	13:44
		Z	1	5/22/2017	15:11
		Z	1	5/22/2017	15:14
		Z	1	5/22/2017	15:15
		Z	1	5/22/2017	15:17
		Z	1	5/22/2017	15:18
		Z	1	5/22/2017	15:19
		Z	1	5/22/2017	15:20
		Z	1	5/22/2017	15:21
		Z	1	5/22/2017	15:22
		Z	1	5/22/2017	15:23
		Z	1	5/22/2017	15:24
		Z	1	5/22/2017	15:30
		Z	1	5/22/2017	15:31
		Z	1	5/22/2017	15:33
		Z	1	5/22/2017	15:35
		CCV2	1	5/22/2017	15:36
		CCB2	1	5/22/2017	15:37
		1704509-11	1	5/22/2017	15:38
		1704509-11DUP	1	5/22/2017	15:39
		1704509-11SER	5	5/22/2017	15:41
		1704509-11MS	1	5/22/2017	15:42
		1704509-11MSD	1	5/22/2017	15:43
		IP170519-2MB	1	5/22/2017	15:44
		IP170519-2LCS	1	5/22/2017	15:45

Data Package ID: IT1705202-1

ICPTrace2 Run Log -- 5/22/2017

Instrument ID: ICPTrace2
File Name: 170522A.
AnalRunID: IT170522-1A1
CalibRefID: IT170522-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		IP170519-2LCSD	1	5/22/2017	15:46
- Ca,K,Na,P,S		1705192-1	1	5/22/2017	15:47
- Ca,Cr,K,Na,P,S,Zn		1705192-2	1	5/22/2017	15:48
		CCV3	1	5/22/2017	15:51
		CCB3	1	5/22/2017	15:52
- Ca,K,Na,P,S		1705192-3	1	5/22/2017	15:54
- Ca,K,Na,P,S		1705192-4	1	5/22/2017	15:55
Ag,Al,As,B,Ba,Be,Bi,Cd,Co,Cr,Cu,Fe,Li,Mg,Mn,Mo,Ni,P,Pb,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705192-1	10	5/22/2017	15:59
Ag,Al,As,B,Ba,Be,Bi,Cd,Co,Cu,Fe,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zr		1705192-2	10	5/22/2017	16:00
Ag,Al,As,B,Ba,Be,Bi,Cd,Co,Cr,Cu,Fe,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705192-3	10	5/22/2017	16:01
Ag,Al,As,B,Ba,Be,Bi,Cd,Co,Cr,Cu,Fe,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705192-4	10	5/22/2017	16:02
		Z	1	5/22/2017	16:05
		IP170519-3LCS	1	5/22/2017	16:06
		IP170519-3MB	1	5/22/2017	16:09
- S		1705100-1	1	5/22/2017	16:10
		CCV4	1	5/22/2017	16:12
		CCB4	1	5/22/2017	16:13
- S		1705100-1DUP	1	5/22/2017	16:14
- S		1705100-1SER	5	5/22/2017	16:15
- S		1705100-1MS	1	5/22/2017	16:17
- S		1705100-1MSD	1	5/22/2017	16:18
- S		1705100-2	1	5/22/2017	16:19
		1705100-8	1	5/22/2017	16:20
		1705100-9	1	5/22/2017	16:21
		1705100-10	1	5/22/2017	16:22
		IP170519-4MB	1	5/22/2017	16:31
		IP170519-4LCS	1	5/22/2017	16:32
		CCV5	1	5/22/2017	16:33
		CCB5	1	5/22/2017	16:34
		1705100-7	1	5/22/2017	16:35
		1705100-7DUP	1	5/22/2017	16:36
		1705100-7SER	5	5/22/2017	16:37
		1705100-7MS	1	5/22/2017	16:39
		1705100-7MSD	1	5/22/2017	16:40
- Na	439136	1705202-2	10	5/22/2017	16:43

Data Package ID: IT1705202-1

ICPTrace2 Run Log -- 5/22/2017

Instrument ID: ICPTrace2
File Name: 170522A.
AnalRunID: IT170522-1A1
CalibRefID: IT170522-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
- Na		1705203-2	10	5/22/2017	16:44
- Na		1705240-2	1	5/22/2017	16:53
- Na		1705242-2	1	5/22/2017	16:54
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr	439136	1705202-2	100	5/22/2017	16:55
		CCV6	1	5/22/2017	16:57
		CCB6	1	5/22/2017	16:58
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705203-2	100	5/22/2017	16:59
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705240-2	10	5/22/2017	17:00
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705242-2	10	5/22/2017	17:01
		IP170520-3MB	1	5/22/2017	17:06
		IP170520-3LCS	1	5/22/2017	17:07
		1705401-1	1	5/22/2017	17:08
		1705401-1DUP	1	5/22/2017	17:09
		1705401-1SER	5	5/22/2017	17:10
		1705401-1MS	1	5/22/2017	17:11
		1705401-1MSD	1	5/22/2017	17:12
		CCV7	1	5/22/2017	17:13
		CCB7	1	5/22/2017	17:14
		1705401-2	1	5/22/2017	17:15
		1705401-3	1	5/22/2017	17:16
		1705401-4	1	5/22/2017	17:17
		1705401-5	1	5/22/2017	17:18
		1705401-6	1	5/22/2017	17:19
		1705401-7	1	5/22/2017	17:20
		1705402-1	1	5/22/2017	17:21
		CCV8	1	5/22/2017	17:25
		CCB8	1	5/22/2017	17:26
		CRI2	1	5/22/2017	17:27
		LCV1	1	5/22/2017	17:28
		ICSA2	1	5/22/2017	17:29
		ICSAB2	1	5/22/2017	17:30
		CCV9	1	5/22/2017	17:31
		CCB9	1	5/22/2017	17:33

Data Package ID: IT1705202-1

ICPTrace2 Run Log -- 5/25/2017

Instrument ID: ICPTrace2
File Name: 170525A.
AnalRunID: IT170525-1A1
CalibRefID: IT170525-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		MIXAHIGH	1	5/25/2017	11:01
		MIXBHIGH	1	5/25/2017	11:03
		MIXCHIGH	1	5/25/2017	11:04
		ICV	1	5/25/2017	11:13
		ICB	1	5/25/2017	11:14
		CRI1	1	5/25/2017	11:15
		LIV	1	5/25/2017	11:16
		ICSA1	1	5/25/2017	11:17
		ICSAB1	1	5/25/2017	11:18
		CCV1	1	5/25/2017	11:19
		CCB1	1	5/25/2017	11:20
		EX170523-5MB	1	5/25/2017	11:21
		IP170524-4LCS	1	5/25/2017	11:22
		1705312-16	1	5/25/2017	11:24
		1705312-16DUP	1	5/25/2017	11:25
		1705312-16SER	5	5/25/2017	11:26
		1705312-16MS	1	5/25/2017	11:27
		1705312-16MSD	1	5/25/2017	11:28
		Z	1	5/25/2017	11:31
		IP170522-10MB	1	5/25/2017	11:34
		Z	1	5/25/2017	11:35
		CCV2	1	5/25/2017	11:37
		CCB2	1	5/25/2017	11:39
		IP170522-10LCS	1	5/25/2017	11:40
		1704514-1	1	5/25/2017	11:41
		1704514-2	1	5/25/2017	11:42
		1704514-3	1	5/25/2017	11:43
		1704514-4	1	5/25/2017	11:44
		1704514-5	1	5/25/2017	11:45
		1704514-5DUP	1	5/25/2017	11:46
		1704514-5SER	5	5/25/2017	11:47
		1704514-5MS	1	5/25/2017	11:48
		1704514-5MSD	1	5/25/2017	11:49
		CCV3	1	5/25/2017	11:50
		CCB3	1	5/25/2017	11:52

Data Package ID: IT1705202-1

ALS -- Fort Collins
LIMS Version: 6.842

Date Printed: Wednesday, May 31, 2017

ICPTrace2 Run Log -- 5/25/2017

Instrument ID: ICPTrace2
File Name: 170525A.
AnalRunID: IT170525-1A1
CalibRefID: IT170525-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		1704514-6	1	5/25/2017	11:53
		1704514-7	1	5/25/2017	11:54
- S		1704599-1	1	5/25/2017	11:55
- S		1704599-1DUP	1	5/25/2017	11:56
- S		1704599-1SER	5	5/25/2017	11:57
- S		1704599-1MS	1	5/25/2017	11:58
- S		1704599-1MSD	1	5/25/2017	12:01
- S		1704599-2	1	5/25/2017	12:02
- Ca,Na,Sr		1705095-2	10	5/25/2017	12:03
- Na		1705158-2	1	5/25/2017	12:04
		CCV4	1	5/25/2017	12:06
		CCB4	1	5/25/2017	12:07
		1705213-3	1	5/25/2017	12:08
		1705213-3DUP	1	5/25/2017	12:09
		Z	1	5/25/2017	12:12
		1705213-3MS	1	5/25/2017	12:13
		1705213-3MSD	1	5/25/2017	12:14
		1705213-5	1	5/25/2017	12:16
		1705213-3SER	5	5/25/2017	12:27
Ag,Al,As,B,Ba,Be,Bi,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Ti,Tl,U,V,Zn,Zr		1705095-2	1000	5/25/2017	12:28
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705158-2	10	5/25/2017	12:29
		IP170522-11MB	1	5/25/2017	12:30
		CCV5	1	5/25/2017	12:31
		CCB5	1	5/25/2017	12:32
		IP170522-11LCS	1	5/25/2017	12:35
- K,Na,S		1704608-8	1	5/25/2017	12:36
- K,Na,S		1704608-8DUP	1	5/25/2017	12:37
- K,Na,S		1704608-8SER	5	5/25/2017	12:38
- K,Na,S		1704608-8MS	1	5/25/2017	12:39
- K,Na,S		1704608-8MSD	1	5/25/2017	12:40
- Na,S		1705177-4	10	5/25/2017	12:41
- Na,S		1705177-5	10	5/25/2017	12:42
- Na,S		1705177-6	10	5/25/2017	12:43
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705177-4	100	5/25/2017	12:57
		CCV6	1	5/25/2017	12:59

Data Package ID: IT1705202-1

ICPTrace2 Run Log -- 5/25/2017

Instrument ID: ICPTrace2
File Name: 170525A.
AnalRunID: IT170525-1A1
CalibRefID: IT170525-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		CCB6	1	5/25/2017	13:00
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705177-5	100	5/25/2017	13:01
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705177-6	100	5/25/2017	13:03
		IP170522-13MB	1	5/25/2017	13:06
		IP170522-13LCS	1	5/25/2017	13:08
		1705198-1	1	5/25/2017	13:10
		1705198-1DUP	1	5/25/2017	13:11
		1705198-1SER	5	5/25/2017	13:12
		1705198-1MS	1	5/25/2017	13:13
		1705198-1MSD	1	5/25/2017	13:14
		1705198-2	1	5/25/2017	13:15
		CCV7	1	5/25/2017	13:18
		CCB7	1	5/25/2017	13:19
		1705198-3	1	5/25/2017	13:20
		1705198-4	1	5/25/2017	13:21
		1705198-5	1	5/25/2017	13:22
		1705198-6	1	5/25/2017	13:23
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705243-2	10	5/25/2017	13:24
		1705271-19	1	5/25/2017	13:25
		1705271-19DUP	1	5/25/2017	13:26
		1705271-19SER	5	5/25/2017	13:27
		1705271-19MS	1	5/25/2017	13:28
		1705271-19MSD	1	5/25/2017	13:30
		CCV8	1	5/25/2017	13:43
		CCB8	1	5/25/2017	13:44
- Na		1705243-2	1	5/25/2017	13:46
		IP170523-1MB	1	5/25/2017	13:47
		IP170523-1LCS	1	5/25/2017	13:48
- Ca,Na,Sr		1705095-1	10	5/25/2017	13:55
- Na		1705158-1	1	5/25/2017	13:56
- Na		1705158-1DUP	1	5/25/2017	13:57
- Na		1705158-1SER	5	5/25/2017	14:00
		Z	1	5/25/2017	14:01
- Na		1705158-1MS	1	5/25/2017	14:05
- Na		1705158-1MSD	1	5/25/2017	14:06

Data Package ID: IT1705202-1

ICPTrace2 Run Log -- 5/25/2017

Instrument ID: ICPTrace2
File Name: 170525A.
AnalRunID: IT170525-1A1
CalibRefID: IT170525-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		CCV9	1	5/25/2017	14:08
		CCB9	1	5/25/2017	14:09
- Na,S		1705177-1	10	5/25/2017	14:10
- Na,S		1705177-2	10	5/25/2017	14:11
- Na,S		1705177-3	10	5/25/2017	14:12
- Na	439136	1705202-1	10	5/25/2017	14:13
- Na		1705203-1	10	5/25/2017	14:14
		1705212-1	1	5/25/2017	14:15
		1705212-2	1	5/25/2017	14:16
		1705212-3	1	5/25/2017	14:17
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705240-1	10	5/25/2017	14:18
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705242-1	10	5/25/2017	14:19
		CCV10	1	5/25/2017	14:21
		CCB10	1	5/25/2017	14:22
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705243-1	10	5/25/2017	14:23
- Na,S		1705369-1	10	5/25/2017	14:24
- Na		1705369-3	10	5/25/2017	14:25
- Na		1705376-1	10	5/25/2017	14:26
		Z	1	5/25/2017	14:27
- Na		1705376-5	10	5/25/2017	14:28
- Na		1705376-7	10	5/25/2017	14:29
- Na,Sr		1705380-1	10	5/25/2017	14:30
Ag,Al,As,B,Ba,Be,Bi,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Ti,Tl,U,V,Zn,Zr		1705095-1	1000	5/25/2017	14:40
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705158-1	10	5/25/2017	14:41
		CCV11	1	5/25/2017	14:42
		CCB11	1	5/25/2017	14:43
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705158-1DUP	10	5/25/2017	14:44
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705158-1SER	50	5/25/2017	14:45
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705158-1MS	10	5/25/2017	14:46
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705158-1MSD	10	5/25/2017	14:47
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705177-1	100	5/25/2017	14:48
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705177-2	100	5/25/2017	14:49
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705177-3	100	5/25/2017	14:50
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr	439136	1705202-1	100	5/25/2017	14:51
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705203-1	100	5/25/2017	14:53

Data Package ID: IT1705202-1

ICPTrace2 Run Log -- 5/25/2017

Instrument ID: ICPTrace2
File Name: 170525A.
AnalRunID: IT170525-1A1
CalibRefID: IT170525-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
- Na		1705240-1	1	5/25/2017	14:54
		CCV12	1	5/25/2017	14:55
		CCB12	1	5/25/2017	14:56
- Na		1705242-1	1	5/25/2017	14:57
- Na		1705243-1	1	5/25/2017	14:58
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705369-1	100	5/25/2017	14:59
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705369-3	100	5/25/2017	15:00
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705376-1	100	5/25/2017	15:01
- B,Na,S		1705376-3	1	5/25/2017	15:02
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705376-5	100	5/25/2017	15:03
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705376-7	100	5/25/2017	15:05
Ag,Al,As,B,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,S,Sb,Se,Si,Sn,Ti,Tl,U,V,Zn,Zr		1705380-1	500	5/25/2017	15:12
Ag,Al,As,Ba,Be,Bi,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Ni,P,Pb,Sb,Se,Si,Sn,Sr,Ti,Tl,U,V,Zn,Zr		1705376-3	50	5/25/2017	15:17
		CCV13	1	5/25/2017	15:19
		CCB13	1	5/25/2017	15:20
		CRI2	1	5/25/2017	15:21
		LCV1	1	5/25/2017	15:23
		ICSA2	1	5/25/2017	15:24
		ICSAB2	1	5/25/2017	15:25
		CCV14	1	5/25/2017	15:26
		CCB14	1	5/25/2017	15:28

Data Package ID: IT1705202-1

ICPMS Metals

Method SW6020A

Method Blank

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: IP170523-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 23-May-17
Date Analyzed: 26-May-17

Prep Batch: IP170523-1
QCBatchID: IP170523-1-2
Run ID: IM170526-11A2
Cleanup: NONE
Basis: N/A
File Name: 104SMPL_

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

CASNO	Target Analyte	DF	Result	Result Qualifier	Reporting Limit	MDL
7429-90-5	ALUMINUM	10	0.05	U	0.1	0.05
7440-38-2	ARSENIC	10	0.00091	U	0.002	0.00091
7440-39-3	BARIUM	10	0.0036	U	0.005	0.0036
7440-43-9	CADMIUM	10	0.00095	U	0.002	0.00095
7440-48-4	COBALT	10	0.0022	U	0.005	0.0022
7440-50-8	COPPER	10	0.012	U	0.02	0.012
7439-92-1	LEAD	10	0.0014	U	0.002	0.0014
7439-96-5	MANGANESE	10	0.0023	U	0.005	0.0023
7439-98-7	MOLYBDENUM	10	0.00098	U	0.002	0.00098
7782-49-2	SELENIUM	10	0.0049	U	0.01	0.0049
7440-22-4	SILVER	10	0.00022	U	0.0005	0.00022
7440-24-6	STRONTIUM	10	0.003	U	0.005	0.003
7440-28-0	THALLIUM	10	0.000062	U	0.0001	0.000062
7440-29-1	THORIUM	10	0.000091	U	0.0002	0.000091
7440-61-1	URANIUM	10	0.000075	U	0.0001	0.000075
7440-66-6	ZINC	10	0.048	U	0.1	0.048

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020A

Method Blank

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: IP170523-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 23-May-17
Date Analyzed: 27-May-17

Prep Batch: IP170523-1
QCBatchID: IP170523-1-2
Run ID: IM170527-10A4
Cleanup: NONE
Basis: N/A
File Name: 010SMPL_

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

CASNO	Target Analyte	DF	Result	Result Qualifier	Reporting Limit	MDL
7440-23-5	SODIUM	10	0.46	U	1	0.46

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020A

Laboratory Control Sample

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: IM170523-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 05/23/2017
Date Analyzed: 05/26/2017
Prep Method: SW3010A

Prep Batch: IP170523-1
QCBatchID: IP170523-1-2
Run ID: IM170526-11A2
Cleanup: NONE
Basis: N/A
File Name: 105SMPL_

Sample Aliquot: 50 ml
Final Volume: 50 ml
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	10	9.43	0.1		94	80 - 120%
7440-38-2	ARSENIC	0.2	0.197	0.002		98	80 - 120%
7440-39-3	BARIUM	0.2	0.19	0.005		95	80 - 120%
7440-43-9	CADMIUM	0.06	0.0564	0.002		94	80 - 120%
7440-48-4	COBALT	0.2	0.185	0.005		92	80 - 120%
7440-50-8	COPPER	2	1.91	0.02		96	80 - 120%
7439-92-1	LEAD	0.1	0.0913	0.002		91	80 - 120%
7439-96-5	MANGANESE	0.2	0.184	0.005		92	80 - 120%
7439-98-7	MOLYBDENUM	0.2	0.178	0.002		89	80 - 120%
7782-49-2	SELENIUM	0.2	0.184	0.01		92	80 - 120%
7440-22-4	SILVER	0.02	0.0192	0.0005		96	80 - 120%
7440-23-5	SODIUM	20	19.9	1		99	80 - 120%
7440-24-6	STRONTIUM	0.2	0.182	0.005		91	80 - 120%
7440-28-0	THALLIUM	0.004	0.00368	0.0001		92	80 - 120%
7440-29-1	THORIUM	0.02	0.0186	0.0002		93	80 - 120%
7440-61-1	URANIUM	0.02	0.0184	0.0001		92	80 - 120%
7440-66-6	ZINC	4	3.72	0.1		93	80 - 120%

Data Package ID: *im1705202-1*

Prep Batch ID: IP170523-1

Start Date: 05/23/17
Start Time: 9:36
Prep Analyst: Jill M. Latelle

End Date: 05/23/17
End Time: 18:00

Concentration Method: NONE
Extract Method: SW3010A
Initial Volume Units: ml
Final Volume Units: ml

Batch Created By: jml
Date Created: 05/23/17
Time Created: 10:26
Validated By: bas
Date Validated: 05/27/17
Time Validated: 11:44

Comments:

QC Batch ID: IP170523-1-2

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
IP170523-1	MB	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705158
IM170523-1	LCS	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705158
1705158-1	MS	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705158
1705158-1	MSD	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705158
1705158-1	DUP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705158
1705095-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705095
1705158-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705158
1705177-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705177
1705177-2	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705177
1705177-3	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705177
1705202-1	SMP	439136	WATER	5/9/2017	50	50	NONE	1	1705202
1705203-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705203
1705240-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705240
1705242-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705242
1705243-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705243
1705369-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705369
1705369-3	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705369
1705376-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705376
1705376-3	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705376
1705376-5	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705376
1705376-7	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705376
1705380-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	1705380

Prep Batch ID: IP170523-1

Start Date: 05/23/17
Start Time: 9:36
Prep Analyst: Jill M. Latelle

End Date: 05/23/17
End Time: 18:00

Concentration Method: NONE
Extract Method: SW3010A
Initial Volume Units: ml
Final Volume Units: ml

Batch Created By: jml
Date Created: 05/23/17
Time Created: 10:26
Validated By: bas
Date Validated: 05/27/17
Time Validated: 11:44

Comments:

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			

ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: ICV
QC Type: Initial Calibration

File Name: 001SMPL_

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 13:00
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	1	0.987	0.01		99	90 - 110%
7440-38-2	ARSENIC	0.02	0.0198	0.0002		99	90 - 110%
7440-39-3	BARIUM	0.02	0.0196	0.0005		98	90 - 110%
7440-43-9	CADMIUM	0.006	0.00609	0.0002		101	90 - 110%
7440-48-4	COBALT	0.02	0.0192	0.0005		96	90 - 110%
7440-50-8	COPPER	0.2	0.204	0.002		102	90 - 110%
7439-92-1	LEAD	0.01	0.0101	0.0002		101	90 - 110%
7439-96-5	MANGANESE	0.04	0.0386	0.0005		96	90 - 110%
7439-98-7	MOLYBDENUM	0.02	0.0189	0.0002		95	90 - 110%
7782-49-2	SELENIUM	0.02	0.0194	0.001		97	90 - 110%
7440-22-4	SILVER	0.002	0.00205	0.00005		102	90 - 110%
7440-23-5	SODIUM	20	19.5	0.1		97	90 - 110%
7440-24-6	STRONTIUM	0.02	0.0200	0.0005		100	90 - 110%
7440-28-0	THALLIUM	0.0004	0.000392	0.00001		98	90 - 110%
7440-29-1	THORIUM	0.002	0.00201	0.00002		100	90 - 110%
7440-61-1	URANIUM	0.002	0.00198	0.00001		99	90 - 110%
7440-66-6	ZINC	0.4	0.390	0.01		97	90 - 110%

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV1
QC Type: Continuing Calibration
File Name: 006SMPL_

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 13:27
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	0.5	0.505	0.01		101	90 - 110%
7440-38-2	ARSENIC	0.01	0.0102	0.0002		102	90 - 110%
7440-39-3	BARIUM	0.01	0.00969	0.0005		97	90 - 110%
7440-43-9	CADMIUM	0.003	0.00289	0.0002		96	90 - 110%
7440-48-4	COBALT	0.01	0.00976	0.0005		98	90 - 110%
7440-50-8	COPPER	0.1	0.103	0.002		103	90 - 110%
7439-92-1	LEAD	0.005	0.00479	0.0002		96	90 - 110%
7439-96-5	MANGANESE	0.02	0.0194	0.0005		97	90 - 110%
7439-98-7	MOLYBDENUM	0.01	0.00961	0.0002		96	90 - 110%
7782-49-2	SELENIUM	0.01	0.00978	0.001		98	90 - 110%
7440-22-4	SILVER	0.001	0.000998	0.00005		100	90 - 110%
7440-23-5	SODIUM	10	10.1	0.1		101	90 - 110%
7440-24-6	STRONTIUM	0.01	0.00970	0.0005		97	90 - 110%
7440-28-0	THALLIUM	0.0002	0.000194	0.00001		97	90 - 110%
7440-29-1	THORIUM	0.001	0.000992	0.00002		99	90 - 110%
7440-61-1	URANIUM	0.001	0.000959	0.00001		96	90 - 110%
7440-66-6	ZINC	0.2	0.203	0.01		101	90 - 110%

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV2
QC Type: Continuing Calibration
File Name: 016SMPL_

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 14:08
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	0.5	0.497	0.01		99	90 - 110%
7440-38-2	ARSENIC	0.01	0.0101	0.0002		101	90 - 110%
7440-39-3	BARIUM	0.01	0.00951	0.0005		95	90 - 110%
7440-43-9	CADMIUM	0.003	0.00295	0.0002		98	90 - 110%
7440-48-4	COBALT	0.01	0.00957	0.0005		96	90 - 110%
7440-50-8	COPPER	0.1	0.101	0.002		101	90 - 110%
7439-92-1	LEAD	0.005	0.00478	0.0002		96	90 - 110%
7439-96-5	MANGANESE	0.02	0.0191	0.0005		95	90 - 110%
7439-98-7	MOLYBDENUM	0.01	0.00942	0.0002		94	90 - 110%
7782-49-2	SELENIUM	0.01	0.00997	0.001		100	90 - 110%
7440-22-4	SILVER	0.001	0.00100	0.00005		100	90 - 110%
7440-23-5	SODIUM	10	9.88	0.1		99	90 - 110%
7440-24-6	STRONTIUM	0.01	0.00949	0.0005		95	90 - 110%
7440-28-0	THALLIUM	0.0002	0.000190	0.00001		95	90 - 110%
7440-29-1	THORIUM	0.001	0.000987	0.00002		99	90 - 110%
7440-61-1	URANIUM	0.001	0.000948	0.00001		95	90 - 110%
7440-66-6	ZINC	0.2	0.196	0.01		98	90 - 110%

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV3
QC Type: Continuing Calibration
File Name: 028SMPL_

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 14:50
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	0.5	0.507	0.01		101	90 - 110%
7440-38-2	ARSENIC	0.01	0.00993	0.0002		99	90 - 110%
7440-39-3	BARIUM	0.01	0.00958	0.0005		96	90 - 110%
7440-43-9	CADMIUM	0.003	0.00291	0.0002		97	90 - 110%
7440-48-4	COBALT	0.01	0.00966	0.0005		97	90 - 110%
7440-50-8	COPPER	0.1	0.101	0.002		101	90 - 110%
7439-92-1	LEAD	0.005	0.00488	0.0002		98	90 - 110%
7439-96-5	MANGANESE	0.02	0.0192	0.0005		96	90 - 110%
7439-98-7	MOLYBDENUM	0.01	0.00943	0.0002		94	90 - 110%
7782-49-2	SELENIUM	0.01	0.00983	0.001		98	90 - 110%
7440-22-4	SILVER	0.001	0.00100	0.00005		100	90 - 110%
7440-23-5	SODIUM	10	9.98	0.1		100	90 - 110%
7440-24-6	STRONTIUM	0.01	0.00956	0.0005		96	90 - 110%
7440-28-0	THALLIUM	0.0002	0.000193	0.00001		96	90 - 110%
7440-29-1	THORIUM	0.001	0.000972	0.00002		97	90 - 110%
7440-61-1	URANIUM	0.001	0.000960	0.00001		96	90 - 110%
7440-66-6	ZINC	0.2	0.197	0.01		99	90 - 110%

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV4
QC Type: Continuing Calibration
File Name: 034SMPL_

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 15:17
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	0.5	0.515	0.01		103	90 - 110%
7440-38-2	ARSENIC	0.01	0.0102	0.0002		102	90 - 110%
7440-39-3	BARIUM	0.01	0.00988	0.0005		99	90 - 110%
7440-43-9	CADMIUM	0.003	0.00289	0.0002		96	90 - 110%
7440-48-4	COBALT	0.01	0.00956	0.0005		96	90 - 110%
7440-50-8	COPPER	0.1	0.101	0.002		101	90 - 110%
7439-92-1	LEAD	0.005	0.00487	0.0002		97	90 - 110%
7439-96-5	MANGANESE	0.02	0.0191	0.0005		96	90 - 110%
7439-98-7	MOLYBDENUM	0.01	0.00944	0.0002		94	90 - 110%
7782-49-2	SELENIUM	0.01	0.00967	0.001		97	90 - 110%
7440-22-4	SILVER	0.001	0.00100	0.00005		100	90 - 110%
7440-23-5	SODIUM	10	9.91	0.1		99	90 - 110%
7440-24-6	STRONTIUM	0.01	0.00964	0.0005		96	90 - 110%
7440-28-0	THALLIUM	0.0002	0.000194	0.00001		97	90 - 110%
7440-29-1	THORIUM	0.001	0.000974	0.00002		97	90 - 110%
7440-61-1	URANIUM	0.001	0.000981	0.00001		98	90 - 110%
7440-66-6	ZINC	0.2	0.197	0.01		99	90 - 110%

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV5
QC Type: Continuing Calibration
File Name: 046SMPL_

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 16:04
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	0.5	0.501	0.01		100	90 - 110%
7440-38-2	ARSENIC	0.01	0.0102	0.0002		102	90 - 110%
7440-39-3	BARIUM	0.01	0.00972	0.0005		97	90 - 110%
7440-43-9	CADMIUM	0.003	0.00294	0.0002		98	90 - 110%
7440-48-4	COBALT	0.01	0.00954	0.0005		95	90 - 110%
7440-50-8	COPPER	0.1	0.0997	0.002		100	90 - 110%
7439-92-1	LEAD	0.005	0.00474	0.0002		95	90 - 110%
7439-96-5	MANGANESE	0.02	0.0188	0.0005		94	90 - 110%
7439-98-7	MOLYBDENUM	0.01	0.00918	0.0002		92	90 - 110%
7782-49-2	SELENIUM	0.01	0.00980	0.001		98	90 - 110%
7440-22-4	SILVER	0.001	0.000988	0.00005		99	90 - 110%
7440-23-5	SODIUM	10	9.90	0.1		99	90 - 110%
7440-24-6	STRONTIUM	0.01	0.00940	0.0005		94	90 - 110%
7440-28-0	THALLIUM	0.0002	0.000188	0.00001		94	90 - 110%
7440-29-1	THORIUM	0.001	0.000976	0.00002		98	90 - 110%
7440-61-1	URANIUM	0.001	0.000955	0.00001		95	90 - 110%
7440-66-6	ZINC	0.2	0.193	0.01		97	90 - 110%

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV6
QC Type: Continuing Calibration
File Name: 058SMPL_

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 16:46
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	0.5	0.502	0.01		100	90 - 110%
7440-38-2	ARSENIC	0.01	0.0102	0.0002		102	90 - 110%
7440-39-3	BARIUM	0.01	0.00965	0.0005		97	90 - 110%
7440-43-9	CADMIUM	0.003	0.00292	0.0002		97	90 - 110%
7440-48-4	COBALT	0.01	0.00941	0.0005		94	90 - 110%
7440-50-8	COPPER	0.1	0.0994	0.002		99	90 - 110%
7439-92-1	LEAD	0.005	0.00479	0.0002		96	90 - 110%
7439-96-5	MANGANESE	0.02	0.0187	0.0005		93	90 - 110%
7439-98-7	MOLYBDENUM	0.01	0.00929	0.0002		93	90 - 110%
7782-49-2	SELENIUM	0.01	0.00973	0.001		97	90 - 110%
7440-22-4	SILVER	0.001	0.000986	0.00005		99	90 - 110%
7440-23-5	SODIUM	10	9.78	0.1		98	90 - 110%
7440-24-6	STRONTIUM	0.01	0.00935	0.0005		94	90 - 110%
7440-28-0	THALLIUM	0.0002	0.000193	0.00001		96	90 - 110%
7440-29-1	THORIUM	0.001	0.000993	0.00002		99	90 - 110%
7440-61-1	URANIUM	0.001	0.000965	0.00001		96	90 - 110%
7440-66-6	ZINC	0.2	0.194	0.01		97	90 - 110%

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV7
QC Type: Continuing Calibration
File Name: 068SMPL_

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 17:28
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	0.5	0.501	0.01		100	90 - 110%
7440-38-2	ARSENIC	0.01	0.00992	0.0002		99	90 - 110%
7440-39-3	BARIUM	0.01	0.00940	0.0005		94	90 - 110%
7440-43-9	CADMIUM	0.003	0.00296	0.0002		99	90 - 110%
7440-48-4	COBALT	0.01	0.00933	0.0005		93	90 - 110%
7440-50-8	COPPER	0.1	0.0984	0.002		98	90 - 110%
7439-92-1	LEAD	0.005	0.00478	0.0002		96	90 - 110%
7439-96-5	MANGANESE	0.02	0.0187	0.0005		93	90 - 110%
7439-98-7	MOLYBDENUM	0.01	0.00926	0.0002		93	90 - 110%
7782-49-2	SELENIUM	0.01	0.00972	0.001		97	90 - 110%
7440-22-4	SILVER	0.001	0.000978	0.00005		98	90 - 110%
7440-23-5	SODIUM	10	9.78	0.1		98	90 - 110%
7440-24-6	STRONTIUM	0.01	0.00956	0.0005		96	90 - 110%
7440-28-0	THALLIUM	0.0002	0.000187	0.00001		94	90 - 110%
7440-29-1	THORIUM	0.001	0.000955	0.00002		95	90 - 110%
7440-61-1	URANIUM	0.001	0.000970	0.00001		97	90 - 110%
7440-66-6	ZINC	0.2	0.193	0.01		97	90 - 110%

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV8
QC Type: Continuing Calibration
File Name: 080SMPL_

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
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	0.501	0.01		100	90 - 110%
7440-38-2	ARSENIC	0.01	0.0102	0.0002		103	90 - 110%
7440-39-3	BARIUM	0.01	0.00956	0.0005		96	90 - 110%
7440-43-9	CADMIUM	0.003	0.00289	0.0002		96	90 - 110%
7440-48-4	COBALT	0.01	0.00942	0.0005		94	90 - 110%
7440-50-8	COPPER	0.1	0.0992	0.002		99	90 - 110%
7439-92-1	LEAD	0.005	0.00475	0.0002		95	90 - 110%
7439-96-5	MANGANESE	0.02	0.0187	0.0005		93	90 - 110%
7439-98-7	MOLYBDENUM	0.01	0.00919	0.0002		92	90 - 110%
7782-49-2	SELENIUM	0.01	0.00966	0.001		97	90 - 110%
7440-22-4	SILVER	0.001	0.000970	0.00005		97	90 - 110%
7440-23-5	SODIUM	10	9.84	0.1		98	90 - 110%
7440-24-6	STRONTIUM	0.01	0.00921	0.0005		92	90 - 110%
7440-28-0	THALLIUM	0.0002	0.000189	0.00001		94	90 - 110%
7440-29-1	THORIUM	0.001	0.000947	0.00002		95	90 - 110%
7440-61-1	URANIUM	0.001	0.000973	0.00001		97	90 - 110%
7440-66-6	ZINC	0.2	0.194	0.01		97	90 - 110%

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV9
QC Type: Continuing Calibration
File Name: 092SMPL_

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 19:00
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	0.5	0.499	0.01		100	90 - 110%
7440-38-2	ARSENIC	0.01	0.0102	0.0002		102	90 - 110%
7440-39-3	BARIUM	0.01	0.00964	0.0005		96	90 - 110%
7440-43-9	CADMIUM	0.003	0.00299	0.0002		100	90 - 110%
7440-48-4	COBALT	0.01	0.00952	0.0005		95	90 - 110%
7440-50-8	COPPER	0.1	0.0999	0.002		100	90 - 110%
7439-92-1	LEAD	0.005	0.00476	0.0002		95	90 - 110%
7439-96-5	MANGANESE	0.02	0.0190	0.0005		95	90 - 110%
7439-98-7	MOLYBDENUM	0.01	0.00929	0.0002		93	90 - 110%
7782-49-2	SELENIUM	0.01	0.00973	0.001		97	90 - 110%
7440-22-4	SILVER	0.001	0.000999	0.00005		100	90 - 110%
7440-23-5	SODIUM	10	9.80	0.1		98	90 - 110%
7440-24-6	STRONTIUM	0.01	0.00945	0.0005		95	90 - 110%
7440-28-0	THALLIUM	0.0002	0.000187	0.00001		94	90 - 110%
7440-29-1	THORIUM	0.001	0.000961	0.00002		96	90 - 110%
7440-61-1	URANIUM	0.001	0.000974	0.00001		97	90 - 110%
7440-66-6	ZINC	0.2	0.197	0.01		98	90 - 110%

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV10
QC Type: Continuing Calibration

File Name: 102SMPL_

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 19:42
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	0.5	0.507	0.01		101	90 - 110%
7440-38-2	ARSENIC	0.01	0.0102	0.0002		102	90 - 110%
7440-39-3	BARIUM	0.01	0.00966	0.0005		97	90 - 110%
7440-43-9	CADMIUM	0.003	0.00297	0.0002		99	90 - 110%
7440-48-4	COBALT	0.01	0.00949	0.0005		95	90 - 110%
7440-50-8	COPPER	0.1	0.0994	0.002		99	90 - 110%
7439-92-1	LEAD	0.005	0.00482	0.0002		96	90 - 110%
7439-96-5	MANGANESE	0.02	0.0188	0.0005		94	90 - 110%
7439-98-7	MOLYBDENUM	0.01	0.00920	0.0002		92	90 - 110%
7782-49-2	SELENIUM	0.01	0.00956	0.001		96	90 - 110%
7440-22-4	SILVER	0.001	0.000961	0.00005		96	90 - 110%
7440-23-5	SODIUM	10	9.69	0.1		97	90 - 110%
7440-24-6	STRONTIUM	0.01	0.00923	0.0005		92	90 - 110%
7440-28-0	THALLIUM	0.0002	0.000190	0.00001		95	90 - 110%
7440-29-1	THORIUM	0.001	0.000958	0.00002		96	90 - 110%
7440-61-1	URANIUM	0.001	0.000974	0.00001		97	90 - 110%
7440-66-6	ZINC	0.2	0.196	0.01		98	90 - 110%

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV11
QC Type: Continuing Calibration

File Name: 114SMPL_

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 20:29
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	0.5	0.508	0.01		102	90 - 110%
7440-38-2	ARSENIC	0.01	0.0100	0.0002		100	90 - 110%
7440-39-3	BARIUM	0.01	0.00959	0.0005		96	90 - 110%
7440-43-9	CADMIUM	0.003	0.00289	0.0002		96	90 - 110%
7440-48-4	COBALT	0.01	0.00926	0.0005		93	90 - 110%
7440-50-8	COPPER	0.1	0.0974	0.002		97	90 - 110%
7439-92-1	LEAD	0.005	0.00476	0.0002		95	90 - 110%
7439-96-5	MANGANESE	0.02	0.0186	0.0005		93	90 - 110%
7439-98-7	MOLYBDENUM	0.01	0.00912	0.0002		91	90 - 110%
7782-49-2	SELENIUM	0.01	0.00959	0.001		96	90 - 110%
7440-22-4	SILVER	0.001	0.000968	0.00005		97	90 - 110%
7440-23-5	SODIUM	10	10.1	0.1		101	90 - 110%
7440-24-6	STRONTIUM	0.01	0.00947	0.0005		95	90 - 110%
7440-28-0	THALLIUM	0.0002	0.000192	0.00001		96	90 - 110%
7440-29-1	THORIUM	0.001	0.000956	0.00002		96	90 - 110%
7440-61-1	URANIUM	0.001	0.000956	0.00001		96	90 - 110%
7440-66-6	ZINC	0.2	0.189	0.01		95	90 - 110%

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV12
QC Type: Continuing Calibration
File Name: 126SMPL_

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 21:11
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	0.5	0.508	0.01		102	90 - 110%
7440-38-2	ARSENIC	0.01	0.0101	0.0002		101	90 - 110%
7440-39-3	BARIUM	0.01	0.00954	0.0005		95	90 - 110%
7440-43-9	CADMIUM	0.003	0.00291	0.0002		97	90 - 110%
7440-48-4	COBALT	0.01	0.00947	0.0005		95	90 - 110%
7440-50-8	COPPER	0.1	0.0997	0.002		100	90 - 110%
7439-92-1	LEAD	0.005	0.00485	0.0002		97	90 - 110%
7439-96-5	MANGANESE	0.02	0.0187	0.0005		94	90 - 110%
7439-98-7	MOLYBDENUM	0.01	0.00925	0.0002		92	90 - 110%
7782-49-2	SELENIUM	0.01	0.00954	0.001		95	90 - 110%
7440-22-4	SILVER	0.001	0.000969	0.00005		97	90 - 110%
7440-23-5	SODIUM	10	9.94	0.1		99	90 - 110%
7440-24-6	STRONTIUM	0.01	0.00952	0.0005		95	90 - 110%
7440-28-0	THALLIUM	0.0002	0.000197	0.00001		98	90 - 110%
7440-29-1	THORIUM	0.001	0.000951	0.00002		95	90 - 110%
7440-61-1	URANIUM	0.001	0.000954	0.00001		95	90 - 110%
7440-66-6	ZINC	0.2	0.193	0.01		97	90 - 110%

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: ICV
QC Type: Initial Calibration

File Name: 001SMPL_

Run ID: IM170527-10A4
Date Analyzed: 05/27/2017
Time Analyzed: 12:41
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-23-5	SODIUM	20	19.8	0.1		99	90 - 110%
7440-24-6	STRONTIUM	0.02	0.0209	0.0005		105	90 - 110%

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV1
QC Type: Continuing Calibration
File Name: 008SMPL_

Run ID: IM170527-10A4
Date Analyzed: 05/27/2017
Time Analyzed: 13:43
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-23-5	SODIUM	10	9.95	0.1		100	90 - 110%
7440-24-6	STRONTIUM	0.01	0.00978	0.0005		98	90 - 110%

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV2
QC Type: Continuing Calibration
File Name: 020SMPL_

Run ID: IM170527-10A4
Date Analyzed: 05/27/2017
Time Analyzed: 14:30
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-23-5	SODIUM	10	10.2	0.1		102	90 - 110%
7440-24-6	STRONTIUM	0.01	0.00973	0.0005		97	90 - 110%

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCV3
QC Type: Continuing Calibration
File Name: 032SMPL_

Run ID: IM170527-10A4
Date Analyzed: 05/27/2017
Time Analyzed: 15:13
Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-23-5	SODIUM	10	10.0	0.1		100	90 - 110%
7440-24-6	STRONTIUM	0.01	0.00981	0.0005		98	90 - 110%

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: ICB
QC Type: Initial Calibration

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 1:06:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.000736	0.01	U
7440-38-2	ARSENIC	0.0000115	0.0002	U
7440-39-3	BARIUM	0.000096	0.0005	J
7440-43-9	CADMIUM	0.0000055	0.0002	U
7440-48-4	COBALT	2.36E-06	0.0005	U
7440-50-8	COPPER	0.0000664	0.002	U
7439-92-1	LEAD	0.0000129	0.0002	U
7439-96-5	MANGANESE	0.0000158	0.0005	U
7439-98-7	MOLYBDENUM	0.0000325	0.0002	U
7782-49-2	SELENIUM	0.0000663	0.001	U
7440-22-4	SILVER	2.77E-06	0.00005	U
7440-23-5	SODIUM	0.0108	0.1	U
7440-24-6	STRONTIUM	0.0000216	0.0005	U
7440-28-0	THALLIUM	0.0000014	0.00001	U
7440-29-1	THORIUM	0.0000014	0.00002	U
7440-61-1	URANIUM	1.21E-06	0.00001	U
7440-66-6	ZINC	0.000697	0.01	U

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB1
QC Type: Continuing Calibration

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 1:33:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.000736	0.01	U
7440-38-2	ARSENIC	0.0000115	0.0002	U
7440-39-3	BARIUM	0.000154	0.0005	J
7440-43-9	CADMIUM	0.0000055	0.0002	U
7440-48-4	COBALT	2.36E-06	0.0005	U
7440-50-8	COPPER	0.0000664	0.002	U
7439-92-1	LEAD	0.0000129	0.0002	U
7439-96-5	MANGANESE	0.0000158	0.0005	U
7439-98-7	MOLYBDENUM	0.0000325	0.0002	U
7782-49-2	SELENIUM	0.0000663	0.001	U
7440-22-4	SILVER	2.77E-06	0.00005	U
7440-23-5	SODIUM	0.0108	0.1	U
7440-24-6	STRONTIUM	0.0000216	0.0005	U
7440-28-0	THALLIUM	0.0000014	0.00001	U
7440-29-1	THORIUM	0.0000014	0.00002	U
7440-61-1	URANIUM	1.21E-06	0.00001	U
7440-66-6	ZINC	0.000698	0.01	J

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB2
QC Type: Continuing Calibration

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 2:14:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.000736	0.01	U
7440-38-2	ARSENIC	0.0000115	0.0002	U
7440-39-3	BARIUM	-0.000021	0.0005	J
7440-43-9	CADMIUM	0.0000055	0.0002	U
7440-48-4	COBALT	2.36E-06	0.0005	U
7440-50-8	COPPER	0.0000664	0.002	U
7439-92-1	LEAD	0.0000129	0.0002	U
7439-96-5	MANGANESE	0.0000158	0.0005	U
7439-98-7	MOLYBDENUM	0.0000325	0.0002	U
7782-49-2	SELENIUM	0.0000663	0.001	U
7440-22-4	SILVER	2.77E-06	0.00005	U
7440-23-5	SODIUM	0.0108	0.1	U
7440-24-6	STRONTIUM	0.0000216	0.0005	U
7440-28-0	THALLIUM	0.0000014	0.00001	U
7440-29-1	THORIUM	0.0000014	0.00002	U
7440-61-1	URANIUM	1.21E-06	0.00001	U
7440-66-6	ZINC	0.000697	0.01	U

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB3
QC Type: Continuing Calibration

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 2:56:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.000736	0.01	U
7440-38-2	ARSENIC	0.0000115	0.0002	U
7440-39-3	BARIUM	-0.000033	0.0005	J
7440-43-9	CADMIUM	0.0000055	0.0002	U
7440-48-4	COBALT	2.36E-06	0.0005	U
7440-50-8	COPPER	0.0000664	0.002	U
7439-92-1	LEAD	0.0000129	0.0002	U
7439-96-5	MANGANESE	0.0000158	0.0005	U
7439-98-7	MOLYBDENUM	0.0000325	0.0002	U
7782-49-2	SELENIUM	0.0000663	0.001	U
7440-22-4	SILVER	2.77E-06	0.00005	U
7440-23-5	SODIUM	0.0116	0.1	J
7440-24-6	STRONTIUM	0.0000216	0.0005	U
7440-28-0	THALLIUM	0.0000014	0.00001	U
7440-29-1	THORIUM	0.0000014	0.00002	U
7440-61-1	URANIUM	0.000002	0.00001	J
7440-66-6	ZINC	0.000697	0.01	U

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB4
QC Type: Continuing Calibration

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 3:23:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.000736	0.01	U
7440-38-2	ARSENIC	0.0000115	0.0002	U
7440-39-3	BARIUM	-0.00002	0.0005	J
7440-43-9	CADMIUM	0.0000055	0.0002	U
7440-48-4	COBALT	2.36E-06	0.0005	U
7440-50-8	COPPER	0.0000664	0.002	U
7439-92-1	LEAD	0.0000129	0.0002	U
7439-96-5	MANGANESE	0.000016	0.0005	J
7439-98-7	MOLYBDENUM	0.0000325	0.0002	U
7782-49-2	SELENIUM	0.0000663	0.001	U
7440-22-4	SILVER	2.77E-06	0.00005	U
7440-23-5	SODIUM	0.0124	0.1	J
7440-24-6	STRONTIUM	0.0000216	0.0005	U
7440-28-0	THALLIUM	0.0000014	0.00001	U
7440-29-1	THORIUM	0.0000014	0.00002	U
7440-61-1	URANIUM	1.21E-06	0.00001	U
7440-66-6	ZINC	0.000697	0.01	U

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB5
QC Type: Continuing Calibration

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 4:10:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.000736	0.01	U
7440-38-2	ARSENIC	0.0000115	0.0002	U
7440-39-3	BARIUM	-0.000038	0.0005	J
7440-43-9	CADMIUM	0.0000055	0.0002	U
7440-48-4	COBALT	2.36E-06	0.0005	U
7440-50-8	COPPER	0.0000664	0.002	U
7439-92-1	LEAD	0.0000129	0.0002	U
7439-96-5	MANGANESE	0.0000158	0.0005	U
7439-98-7	MOLYBDENUM	0.0000325	0.0002	U
7782-49-2	SELENIUM	0.0000663	0.001	U
7440-22-4	SILVER	2.77E-06	0.00005	U
7440-23-5	SODIUM	0.0108	0.1	U
7440-24-6	STRONTIUM	0.0000216	0.0005	U
7440-28-0	THALLIUM	0.0000014	0.00001	U
7440-29-1	THORIUM	0.0000014	0.00002	U
7440-61-1	URANIUM	1.21E-06	0.00001	U
7440-66-6	ZINC	0.000697	0.01	U

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB6
QC Type: Continuing Calibration

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 4:52:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.000736	0.01	U
7440-38-2	ARSENIC	0.0000115	0.0002	U
7440-39-3	BARIUM	-0.000051	0.0005	J
7440-43-9	CADMIUM	0.0000055	0.0002	U
7440-48-4	COBALT	2.36E-06	0.0005	U
7440-50-8	COPPER	0.0000664	0.002	U
7439-92-1	LEAD	0.0000129	0.0002	U
7439-96-5	MANGANESE	0.000016	0.0005	J
7439-98-7	MOLYBDENUM	0.0000325	0.0002	U
7782-49-2	SELENIUM	0.0000663	0.001	U
7440-22-4	SILVER	2.77E-06	0.00005	U
7440-23-5	SODIUM	0.0108	0.1	U
7440-24-6	STRONTIUM	0.0000216	0.0005	U
7440-28-0	THALLIUM	0.0000014	0.00001	U
7440-29-1	THORIUM	0.0000014	0.00002	U
7440-61-1	URANIUM	1.21E-06	0.00001	U
7440-66-6	ZINC	0.000697	0.01	U

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB7
QC Type: Continuing Calibration

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 5:34:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.000736	0.01	U
7440-38-2	ARSENIC	0.0000115	0.0002	U
7440-39-3	BARIUM	-0.000024	0.0005	J
7440-43-9	CADMIUM	0.0000055	0.0002	U
7440-48-4	COBALT	2.36E-06	0.0005	U
7440-50-8	COPPER	0.0000664	0.002	U
7439-92-1	LEAD	0.000013	0.0002	J
7439-96-5	MANGANESE	0.0000158	0.0005	U
7439-98-7	MOLYBDENUM	0.0000325	0.0002	U
7782-49-2	SELENIUM	0.0000663	0.001	U
7440-22-4	SILVER	2.77E-06	0.00005	U
7440-23-5	SODIUM	0.0108	0.1	U
7440-24-6	STRONTIUM	0.0000216	0.0005	U
7440-28-0	THALLIUM	0.0000014	0.00001	U
7440-29-1	THORIUM	0.0000014	0.00002	U
7440-61-1	URANIUM	1.21E-06	0.00001	U
7440-66-6	ZINC	0.000697	0.01	U

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB8
QC Type: Continuing Calibration

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 6:21:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.000736	0.01	U
7440-38-2	ARSENIC	0.0000115	0.0002	U
7440-39-3	BARIUM	-0.000029	0.0005	J
7440-43-9	CADMIUM	0.0000055	0.0002	U
7440-48-4	COBALT	2.36E-06	0.0005	U
7440-50-8	COPPER	0.0000664	0.002	U
7439-92-1	LEAD	0.000017	0.0002	J
7439-96-5	MANGANESE	0.0000158	0.0005	U
7439-98-7	MOLYBDENUM	0.0000325	0.0002	U
7782-49-2	SELENIUM	0.0000663	0.001	U
7440-22-4	SILVER	2.77E-06	0.00005	U
7440-23-5	SODIUM	0.0108	0.1	U
7440-24-6	STRONTIUM	0.0000216	0.0005	U
7440-28-0	THALLIUM	0.0000014	0.00001	U
7440-29-1	THORIUM	0.0000014	0.00002	U
7440-61-1	URANIUM	1.21E-06	0.00001	U
7440-66-6	ZINC	0.000697	0.01	U

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB9
QC Type: Continuing Calibration

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 7:06:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.000736	0.01	U
7440-38-2	ARSENIC	0.0000115	0.0002	U
7440-39-3	BARIUM	0.0000132	0.0005	U
7440-43-9	CADMIUM	0.0000055	0.0002	U
7440-48-4	COBALT	2.36E-06	0.0005	U
7440-50-8	COPPER	0.0000664	0.002	U
7439-92-1	LEAD	0.000017	0.0002	J
7439-96-5	MANGANESE	0.0000158	0.0005	U
7439-98-7	MOLYBDENUM	0.0000325	0.0002	U
7782-49-2	SELENIUM	0.0000663	0.001	U
7440-22-4	SILVER	2.77E-06	0.00005	U
7440-23-5	SODIUM	0.0108	0.1	U
7440-24-6	STRONTIUM	0.0000216	0.0005	U
7440-28-0	THALLIUM	0.0000014	0.00001	U
7440-29-1	THORIUM	0.0000014	0.00002	U
7440-61-1	URANIUM	1.21E-06	0.00001	U
7440-66-6	ZINC	0.000697	0.01	U

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB10
QC Type: Continuing Calibration

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 7:48:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.000736	0.01	U
7440-38-2	ARSENIC	0.0000115	0.0002	U
7440-39-3	BARIUM	0.0000132	0.0005	U
7440-43-9	CADMIUM	0.0000055	0.0002	U
7440-48-4	COBALT	2.36E-06	0.0005	U
7440-50-8	COPPER	0.0000664	0.002	U
7439-92-1	LEAD	0.000014	0.0002	J
7439-96-5	MANGANESE	0.0000158	0.0005	U
7439-98-7	MOLYBDENUM	0.0000325	0.0002	U
7782-49-2	SELENIUM	0.000067	0.001	J
7440-22-4	SILVER	2.77E-06	0.00005	U
7440-23-5	SODIUM	0.0108	0.1	U
7440-24-6	STRONTIUM	0.0000216	0.0005	U
7440-28-0	THALLIUM	0.0000014	0.00001	U
7440-29-1	THORIUM	0.0000014	0.00002	U
7440-61-1	URANIUM	1.21E-06	0.00001	U
7440-66-6	ZINC	0.000697	0.01	U

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB11
QC Type: Continuing Calibration

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 8:35:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.000736	0.01	U
7440-38-2	ARSENIC	0.0000115	0.0002	U
7440-39-3	BARIUM	-0.000027	0.0005	J
7440-43-9	CADMIUM	0.0000055	0.0002	U
7440-48-4	COBALT	2.36E-06	0.0005	U
7440-50-8	COPPER	0.0000664	0.002	U
7439-92-1	LEAD	0.000015	0.0002	J
7439-96-5	MANGANESE	0.0000158	0.0005	U
7439-98-7	MOLYBDENUM	0.0000325	0.0002	U
7782-49-2	SELENIUM	0.0000663	0.001	U
7440-22-4	SILVER	2.77E-06	0.00005	U
7440-23-5	SODIUM	0.232	0.1	
7440-24-6	STRONTIUM	0.00014	0.0005	J
7440-28-0	THALLIUM	0.0000014	0.00001	U
7440-29-1	THORIUM	0.0000014	0.00002	U
7440-61-1	URANIUM	1.21E-06	0.00001	U
7440-66-6	ZINC	0.000697	0.01	U

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB12
QC Type: Continuing Calibration

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Time Analyzed: 9:17:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.000736	0.01	U
7440-38-2	ARSENIC	0.0000115	0.0002	U
7440-39-3	BARIUM	0.0000132	0.0005	U
7440-43-9	CADMIUM	0.0000055	0.0002	U
7440-48-4	COBALT	2.36E-06	0.0005	U
7440-50-8	COPPER	0.0000664	0.002	U
7439-92-1	LEAD	0.000021	0.0002	J
7439-96-5	MANGANESE	0.0000158	0.0005	U
7439-98-7	MOLYBDENUM	0.0000325	0.0002	U
7782-49-2	SELENIUM	0.0000663	0.001	U
7440-22-4	SILVER	2.77E-06	0.00005	U
7440-23-5	SODIUM	0.128	0.1	
7440-24-6	STRONTIUM	0.000022	0.0005	J
7440-28-0	THALLIUM	0.0000014	0.00001	U
7440-29-1	THORIUM	0.0000014	0.00002	U
7440-61-1	URANIUM	1.21E-06	0.00001	U
7440-66-6	ZINC	0.000697	0.01	U

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: ICB
QC Type: Initial Calibration

Run ID: IM170527-10A4
Date Analyzed: 05/27/2017
Time Analyzed: 12:53:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-23-5	SODIUM	0.0108	0.1	U
7440-24-6	STRONTIUM	0.0000216	0.0005	U

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB1
QC Type: Continuing Calibration

Run ID: IM170527-10A4
Date Analyzed: 05/27/2017
Time Analyzed: 1:49:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-23-5	SODIUM	0.0108	0.1	U
7440-24-6	STRONTIUM	0.0000216	0.0005	U

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB2
QC Type: Continuing Calibration

Run ID: IM170527-10A4
Date Analyzed: 05/27/2017
Time Analyzed: 2:36:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-23-5	SODIUM	0.0108	0.1	U
7440-24-6	STRONTIUM	0.0000216	0.0005	U

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

Calibration Blanks

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Lab ID: CCB3
QC Type: Continuing Calibration

Run ID: IM170527-10A4
Date Analyzed: 05/27/2017
Time Analyzed: 3:19:00 PM
Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-23-5	SODIUM	0.0216	0.1	J
7440-24-6	STRONTIUM	0.0000216	0.0005	U

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

ICP Interference Check Sample

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Run ID: IM170526-11A2
Date Analyzed: 05/26/2017
Result Units: MG/L

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7429-90-5	ALUMINUM	10	10.5	9.67000	10.1000	96
7440-38-2	ARSENIC		0.01		0.01	100
7440-39-3	BARIUM		0.01		0.01030	103
7440-43-9	CADMIUM		0.003		0.00303	101
7440-48-4	COBALT		0.01		0.00983	98
7440-50-8	COPPER		0.1		0.10100	101
7439-92-1	LEAD		0.005		0.00496	99
7439-96-5	MANGANESE		0.02		0.02060	103
7439-98-7	MOLYBDENUM	0.2	0.21	0.213	0.217	104
7782-49-2	SELENIUM		0.01		0.00993	99
7440-22-4	SILVER		0.001		0.00100	100
7440-23-5	SODIUM	25	35	25.8	35.4000	101
7440-24-6	STRONTIUM		0.01		0.0105	105
7440-28-0	THALLIUM		0.0002		0.0002	99
7440-29-1	THORIUM		0.001		0.001	99
7440-61-1	URANIUM		0.001		0.00098	98
7440-66-6	ZINC		0.2		0.198	99

Data Package ID: *im1705202-1*

ICPMS Metals

Method SW6020

ICP Interference Check Sample

Lab Name: **ALS -- Fort Collins**
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Run ID: IM170527-10A4
Date Analyzed: 05/27/2017
Result Units: MG/L

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7440-23-5	SODIUM	25	35	26.7000	36.4000	104
7440-24-6	STRONTIUM		0.01		0.01090	109

Data Package ID: *im1705202-1*

Metals Linear Ranges

Lab Name: ALS -- Fort Collins
Work Order Number: 1705202
Client Name: COGCC
ClientProject ID: PW NORM 2017 10048

Instrument ID: ICPMS2
Active Date: 03/14/2016
Expiration Date: 06/12/2020

CASNO	Target Analyte	Concentration (ppm)
7429-90-5	ALUMINUM	50
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
7440-47-3	CHROMIUM	5
7440-48-4	COBALT	1
7440-50-8	COPPER	10
7439-89-6	IRON	50
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
7440-02-0	NICKEL	5
7440-09-7	POTASSIUM	500
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
7440-62-2	VANADIUM	1
7440-66-6	ZINC	20

ICPMS2 Run Log -- 5/26/2017

Instrument ID: ICPMS2
File Name: 001CALB.
AnalRunID: IM170526-11A1
CalibRefID: IM170526-11A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		blank	1	5/26/2017	12:14
		blank	1	5/26/2017	12:20
		blank	1	5/26/2017	12:26
		blank	1	5/26/2017	12:32
		H/1000	1	5/26/2017	12:38
		H/100	1	5/26/2017	12:41
		H/10	1	5/26/2017	12:44
		HIGH	1	5/26/2017	12:50
		ICV	1	5/26/2017	13:00
		ICB	1	5/26/2017	13:06
		LIV	1	5/26/2017	13:12
		ICSA1	1	5/26/2017	13:15
		ICSAB1	1	5/26/2017	13:21
		CCV1	1	5/26/2017	13:27
		CCB1	1	5/26/2017	13:33
		ZZZ	1	5/26/2017	13:36
		ZZZ	1	5/26/2017	13:39
		ZZZ	1	5/26/2017	13:42
		ZZZ	1	5/26/2017	13:47
		ZZZ	1	5/26/2017	13:50
		ZZZ	1	5/26/2017	13:53
		LCV1	1	5/26/2017	14:05
		CCV2	1	5/26/2017	14:08
		CCB2	1	5/26/2017	14:14
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Na,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,V,Y,Zn		1705298-2	100	5/26/2017	14:17
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Na,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,V,Y,Zn		1705298-3	100	5/26/2017	14:20
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Na,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,V,Y,Zn		1705298-8	100	5/26/2017	14:23
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Na,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,V,Y,Zn		1705298-9	100	5/26/2017	14:26
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Na,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,V,Y,Zn		1705298-10	100	5/26/2017	14:29
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Na,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,V,Y,Zn		1705298-11	100	5/26/2017	14:32
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Na,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,V,Y,Zn		1705298-12	100	5/26/2017	14:35
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Na,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,V,Y,Zn		1705298-13	100	5/26/2017	14:38
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Na,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,V,Y,Zn		1705298-14	100	5/26/2017	14:41
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Na,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,V,Y,Zn		1705298-15	100	5/26/2017	14:44
		CCV3	1	5/26/2017	14:50

Data Package ID: IM1705202-1

ALS -- Fort Collins
LIMS Version: 6.842

Date Printed: Wednesday, May 31, 2017

ICPMS2 Run Log -- 5/26/2017

Instrument ID: ICPMS2
File Name: 029SMPL_
AnalRunID: IM170526-11A1
CalibRefID: IM170526-11A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		CCB3	1	5/26/2017	14:56
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Na,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,V,Y,Zn		1705298-16	100	5/26/2017	14:59
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Na,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,V,Y,Zn		1705298-17	100	5/26/2017	15:02
		LCV2	1	5/26/2017	15:14
		CCV4	1	5/26/2017	15:17
		CCB4	1	5/26/2017	15:23
		IP170522-14MB	10	5/26/2017	15:26
		IM170522-14LCS	10	5/26/2017	15:29
		1705281-2	10	5/26/2017	15:35
		1705281-2SER	50	5/26/2017	15:38
		1705281-2DUP	10	5/26/2017	15:41
		1705281-2MS	10	5/26/2017	15:44
		1705281-2MSD	10	5/26/2017	15:47
		1705281-3	10	5/26/2017	15:53
		1705281-4	10	5/26/2017	15:56
		1705281-5	10	5/26/2017	15:59
		CCV5	1	5/26/2017	16:04
		CCB5	1	5/26/2017	16:10
		1705281-6	10	5/26/2017	16:13
		1705281-7	10	5/26/2017	16:16
		1705281-8	10	5/26/2017	16:19
		1705281-9	10	5/26/2017	16:22
		1705281-10	10	5/26/2017	16:25
		1705281-11	10	5/26/2017	16:28
		1705281-12	10	5/26/2017	16:31
		1705281-13	10	5/26/2017	16:34
		1705281-14	10	5/26/2017	16:37
		1705281-15	10	5/26/2017	16:40
		CCV6	1	5/26/2017	16:46
		CCB6	1	5/26/2017	16:52
		1705281-16	10	5/26/2017	16:55
		1705281-17	10	5/26/2017	16:58
		1705281-18	10	5/26/2017	17:04
		1705281-19	10	5/26/2017	17:07
		1705281-20	10	5/26/2017	17:10

Data Package ID: IM1705202-1

ICPMS2 Run Log -- 5/26/2017

Instrument ID: ICPMS2
File Name: 065SMPL_
AnalRunID: IM170526-11A1
CalibRefID: IM170526-11A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		1705281-21	10	5/26/2017	17:13
		LCV3	1	5/26/2017	17:25
		CCV7	1	5/26/2017	17:28
		CCB7	1	5/26/2017	17:34
		IP170522-13MB	10	5/26/2017	17:37
		IM170522-13LCS	10	5/26/2017	17:40
		1705198-7	10	5/26/2017	17:46
		1705198-7SER	50	5/26/2017	17:49
		1705198-7DUP	10	5/26/2017	17:52
		1705198-7MS	10	5/26/2017	17:55
		1705198-7MSD	10	5/26/2017	17:58
		1705198-8	10	5/26/2017	18:04
		1705198-9	10	5/26/2017	18:07
		1705198-9SER	50	5/26/2017	18:10
		CCV8	1	5/26/2017	18:15
		CCB8	1	5/26/2017	18:21
		1705198-9DUP	10	5/26/2017	18:24
		1705198-9MS	10	5/26/2017	18:27
		1705198-9MSD	10	5/26/2017	18:30
		1705198-10	10	5/26/2017	18:36
		1705198-11	10	5/26/2017	18:39
		1705245-1	10	5/26/2017	18:42
		1705246-1	10	5/26/2017	18:45
		1705271-19	10	5/26/2017	18:48
		1705271-19SER	50	5/26/2017	18:51
		1705271-19DUP	10	5/26/2017	18:54
		CCV9	1	5/26/2017	19:00
		CCB9	1	5/26/2017	19:06
		1705271-19MS	10	5/26/2017	19:09
		1705271-19MSD	10	5/26/2017	19:12
		1705281-22	10	5/26/2017	19:18
		1705281-23	10	5/26/2017	19:21
		1705281-24	10	5/26/2017	19:24
		1705281-25	10	5/26/2017	19:27
		LCV4	1	5/26/2017	19:39

Data Package ID: IM1705202-1

ICPMS2 Run Log -- 5/26/2017

Instrument ID: ICPMS2
File Name: 102SMPL_
AnalRunID: IM170526-11A1
CalibRefID: IM170526-11A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		CCV10	1	5/26/2017	19:42
		CCB10	1	5/26/2017	19:48
- Na		IP170523-1MB	10	5/26/2017	19:51
- Na		IM170523-1LCS	10	5/26/2017	19:54
- Na,Sr		1705095-1	10	5/26/2017	19:59
- Na,Sr		1705158-1	10	5/26/2017	20:02
- Na,Sr		1705158-1SER	50	5/26/2017	20:05
- Na,Sr		1705158-1DUP	10	5/26/2017	20:08
- Na,Sr		1705158-1MS	10	5/26/2017	20:11
- Na,Sr		1705158-1MSD	10	5/26/2017	20:14
- Na,Sr		1705177-1	10	5/26/2017	20:20
- Na,Sr		1705177-2	10	5/26/2017	20:23
		CCV11	1	5/26/2017	20:29
		CCB11	1	5/26/2017	20:35
- Na,Sr		1705177-3	10	5/26/2017	20:38
- Ba,Na	439136	1705202-1	10	5/26/2017	20:41
- Na		1705203-1	10	5/26/2017	20:44
- Na		1705212-1	10	5/26/2017	20:47
- Na		1705212-2	10	5/26/2017	20:50
- Na		1705212-3	10	5/26/2017	20:53
- Na		1705240-1	10	5/26/2017	20:56
- Na		1705242-1	10	5/26/2017	20:59
- Na		1705243-1	10	5/26/2017	21:02
- Na		1705369-1	10	5/26/2017	21:05
		CCV12	1	5/26/2017	21:11
		CCB12	1	5/26/2017	21:17
- Na		1705369-3	10	5/26/2017	21:20
- Na		1705376-1	10	5/26/2017	21:23
- Na		1705376-3	10	5/26/2017	21:26
- Na		1705376-5	10	5/26/2017	21:29
- Na		1705376-7	10	5/26/2017	21:32
- Na,Sr		1705380-1	10	5/26/2017	21:35
		LCV5	1	5/26/2017	21:46
		CCV13	1	5/26/2017	21:49
		CCB13	1	5/26/2017	21:55

Data Package ID: IM1705202-1

ICPMS2 Run Log -- 5/26/2017

Instrument ID: ICPMS2
File Name: 138SMPL_
AnalRunID: IM170526-11A1
CalibRefID: IM170526-11A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
- B,Na		IP170523-3MB	10	5/26/2017	21:58
- B,Na		IM170523-3LCS	10	5/26/2017	22:01
		1705332-1	10	5/26/2017	22:07
		1705332-1SER	50	5/26/2017	22:10
		1705332-1DUP	10	5/26/2017	22:13
		1705332-1MS	10	5/26/2017	22:16
		1705332-1MSD	10	5/26/2017	22:19
		1705332-2	10	5/26/2017	22:25
		1705333-1	10	5/26/2017	22:28
- B,Na		1705389-1	10	5/26/2017	22:31
		CCV14	1	5/26/2017	22:37
		CCB14	1	5/26/2017	22:43
- B,Na		1705389-2	10	5/26/2017	22:46
		1705408-1	10	5/26/2017	22:49
		1705408-2	10	5/26/2017	22:52
		1705413-1	10	5/26/2017	22:55
		1705413-2	10	5/26/2017	22:58
		1705455-1	10	5/26/2017	23:01
		1705469-1	10	5/26/2017	23:04
		1705469-2	10	5/26/2017	23:07
		1705469-3	10	5/26/2017	23:10
		1705469-4	10	5/26/2017	23:13
		CCV15	1	5/26/2017	23:19
		CCB15	1	5/26/2017	23:25
		1705470-1	10	5/26/2017	23:28
		1705470-2	10	5/26/2017	23:31
		1705470-3	10	5/26/2017	23:34
		1705470-4	10	5/26/2017	23:37
		1705472-1	10	5/26/2017	23:40
		LCV6	1	5/26/2017	23:52
		CCV16	1	5/26/2017	23:55
		CCB16	1	5/27/2017	00:01
		IP170524-2MB	10	5/27/2017	00:04
		IM170524-2LCS	10	5/27/2017	00:07
		1705446-1	10	5/27/2017	00:12

Data Package ID: IM1705202-1

ICPMS2 Run Log -- 5/27/2017

Instrument ID: ICPMS2
File Name: 174SMPL_
AnalRunID: IM170526-11A1
CalibRefID: IM170526-11A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		1705446-1SER	50	5/27/2017	00:15
		1705446-1DUP	10	5/27/2017	00:18
		1705446-1MS	10	5/27/2017	00:21
		1705446-1MSD	10	5/27/2017	00:24
		1705446-2	10	5/27/2017	00:30
		1705446-3	10	5/27/2017	00:33
		1705446-4	10	5/27/2017	00:36
		CCV17	1	5/27/2017	00:42
		CCB17	1	5/27/2017	00:48
		1705446-5	10	5/27/2017	00:51
		1705446-6	10	5/27/2017	00:54
		1705446-7	10	5/27/2017	00:57
		1705446-8	10	5/27/2017	01:00
		1705446-9	10	5/27/2017	01:03
		1705446-10	10	5/27/2017	01:06
		1705446-11	10	5/27/2017	01:09
		1705446-11SER	50	5/27/2017	01:12
		1705446-11DUP	10	5/27/2017	01:15
		1705446-11MS	10	5/27/2017	01:18
		CCV18	1	5/27/2017	01:24
		CCB18	1	5/27/2017	01:30
		1705446-11MSD	10	5/27/2017	01:33
		1705446-12	10	5/27/2017	01:39
		1705446-13	10	5/27/2017	01:42
		1705446-14	10	5/27/2017	01:45
		1705446-15	10	5/27/2017	01:48
		1705446-16	10	5/27/2017	01:51
		1705446-17	10	5/27/2017	01:54
		1705446-18	10	5/27/2017	01:57
		1705446-19	10	5/27/2017	02:00
		CCV19	1	5/27/2017	02:06
		CCB19	1	5/27/2017	02:12
		1705446-20	10	5/27/2017	02:15
		LCV7	1	5/27/2017	02:27
		CCV20	1	5/27/2017	02:30

Data Package ID: IM1705202-1

ICPMS2 Run Log -- 5/27/2017

Instrument ID: ICPMS2
File Name: 210SMPL_
AnalRunID: IM170526-11A1
CalibRefID: IM170526-11A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		CCB20	1	5/27/2017	02:36
		IP170524-3MB	10	5/27/2017	02:39
		IM170524-3LCS	10	5/27/2017	02:42
		1705446-21	10	5/27/2017	02:48
		1705446-21SER	50	5/27/2017	02:51
		1705446-21DUP	10	5/27/2017	02:54
		1705446-21MS	10	5/27/2017	02:57
		1705446-21MSD	10	5/27/2017	03:00
		1705446-22	10	5/27/2017	03:06
		1705446-23	10	5/27/2017	03:09
		1705446-24	10	5/27/2017	03:12
		CCV21	1	5/27/2017	03:18
		CCB21	1	5/27/2017	03:24
		1705446-25	10	5/27/2017	03:27
		1705446-26	10	5/27/2017	03:30
		1705476-1	10	5/27/2017	03:33
		1705476-2	10	5/27/2017	03:36
		1705476-3	10	5/27/2017	03:39
		1705490-1	10	5/27/2017	03:42
		1705494-1	10	5/27/2017	03:45
		1705494-2	10	5/27/2017	03:48
		1705494-3	10	5/27/2017	03:51
		1705494-4	10	5/27/2017	03:54
		CCV22	1	5/27/2017	04:00
		CCB22	1	5/27/2017	04:06
		1705494-4SER	50	5/27/2017	04:09
		1705494-4DUP	10	5/27/2017	04:12
		1705494-4MS	10	5/27/2017	04:15
		1705494-4MSD	10	5/27/2017	04:18
		LCV8	1	5/27/2017	04:30
		CCV23	1	5/27/2017	04:33
		CCB23	1	5/27/2017	04:39
		IP170524-5MB	10	5/27/2017	04:42
		IM170524-5LCS	10	5/27/2017	04:45
		1705277-1	10	5/27/2017	04:51

Data Package ID: IM1705202-1

ICPMS2 Run Log -- 5/27/2017

Instrument ID: ICPMS2
File Name: 246SMPL_
AnalRunID: IM170526-11A1
CalibRefID: IM170526-11A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		1705277-2	10	5/27/2017	04:54
		1705277-3	10	5/27/2017	04:57
		1705277-4	10	5/27/2017	05:00
		1705277-5	10	5/27/2017	05:02
		1705277-6	10	5/27/2017	05:05
		1705277-7	10	5/27/2017	05:08
		1705277-8	10	5/27/2017	05:11
		CCV24	1	5/27/2017	05:14
		CCB24	1	5/27/2017	05:20
		1705277-9	10	5/27/2017	05:23
		1705277-10	10	5/27/2017	05:26
		1705277-11	10	5/27/2017	05:29
		1705277-12	10	5/27/2017	05:32
		1705277-13	10	5/27/2017	05:35
		1705277-14	10	5/27/2017	05:38
		1705277-15	10	5/27/2017	05:41
		1705277-16	10	5/27/2017	05:44
		1705277-17	10	5/27/2017	05:47
		1705277-18	10	5/27/2017	05:50
		CCV25	1	5/27/2017	05:56
		CCB25	1	5/27/2017	06:02
		1705277-19	10	5/27/2017	06:05
		1705277-21	10	5/27/2017	06:08
		1705277-21SER	50	5/27/2017	06:11
		1705277-21DUP	10	5/27/2017	06:14
		1705277-21MS	10	5/27/2017	06:17
		1705277-21MSD	10	5/27/2017	06:20
		1705277-21A	10	5/27/2017	06:23
		LCV9	1	5/27/2017	06:35
		CCV26	1	5/27/2017	06:38
		CCB26	1	5/27/2017	06:44

Data Package ID: IM1705202-1

ICPMS2 Run Log -- 5/27/2017

Instrument ID: ICPMS2
File Name: 001CALB.
AnalRunID: IM170527-10A1
CalibRefID: IM170527-10A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		blank	1	5/27/2017	09:18
		blank	1	5/27/2017	09:24
		blank	1	5/27/2017	09:30
		blank	1	5/27/2017	09:36
		H/1000	1	5/27/2017	09:42
		H/100	1	5/27/2017	09:45
		H/10	1	5/27/2017	09:48
		HIGH	1	5/27/2017	09:54
		ICV	1	5/27/2017	12:41
		ICB	1	5/27/2017	12:53
		LIV	1	5/27/2017	12:59
		ICSA1	1	5/27/2017	13:31
		ICSAB1	1	5/27/2017	13:37
		CCV1	1	5/27/2017	13:43
		CCB1	1	5/27/2017	13:49
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,U,V,Y,Zn		IP170523-1MB	10	5/27/2017	13:52
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,U,V,Y,Zn		IM170523-1LCS	10	5/27/2017	13:55
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Th,Ti,Tl,U,V,Y,Zn		1705095-1	1000	5/27/2017	14:01
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Th,Ti,Tl,U,V,Y,Zn		1705158-1	10	5/27/2017	14:04
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Th,Ti,Tl,U,V,Y,Zn		1705158-1SER	50	5/27/2017	14:07
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Th,Ti,Tl,U,V,Y,Zn		1705158-1DUP	10	5/27/2017	14:10
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Th,Ti,Tl,U,V,Y,Zn		1705158-1MS	10	5/27/2017	14:13
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Th,Ti,Tl,U,V,Y,Zn		1705158-1MSD	10	5/27/2017	14:16
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Th,Ti,Tl,U,V,Y,Zn		1705177-1	1000	5/27/2017	14:21
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Th,Ti,Tl,U,V,Y,Zn		1705177-2	1000	5/27/2017	14:24
		CCV2	1	5/27/2017	14:30
		CCB2	1	5/27/2017	14:36
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Th,Ti,Tl,U,V,Y,Zn		1705177-3	1000	5/27/2017	14:40
Ag,Al,As,B,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,U,V,Y,Zn	439136	1705202-1	100	5/27/2017	14:43
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,U,V,Y,Zn		1705203-1	10	5/27/2017	14:46
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,U,V,Y,Zn		1705212-1	10	5/27/2017	14:49
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,U,V,Y,Zn		1705212-2	10	5/27/2017	14:52
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,U,V,Y,Zn		1705212-3	10	5/27/2017	14:55
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,U,V,Y,Zn		1705240-1	10	5/27/2017	14:58
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,U,V,Y,Zn		1705242-1	10	5/27/2017	15:01

Data Package ID: IM1705202-1

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ICPMS2 Run Log -- 5/27/2017

Instrument ID: ICPMS2
File Name: 030SMPL_
AnalRunID: IM170527-10A1
CalibRefID: IM170527-10A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,U,V,Y,Zn		1705243-1	10	5/27/2017	15:04
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,U,V,Y,Zn		1705369-1	10	5/27/2017	15:07
		CCV3	1	5/27/2017	15:13
		CCB3	1	5/27/2017	15:19
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,U,V,Y,Zn		1705369-3	10	5/27/2017	15:23
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,U,V,Y,Zn		1705376-1	10	5/27/2017	15:26
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,U,V,Y,Zn		1705376-3	10	5/27/2017	15:29
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,U,V,Y,Zn		1705376-5	10	5/27/2017	15:32
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,U,V,Y,Zn		1705376-7	10	5/27/2017	15:35
Ag,Al,As,B,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Th,Ti,Tl,U,V,Y,Zn		1705380-1	1000	5/27/2017	15:37
		CCV4	1	5/27/2017	16:07
		CCB4	1	5/27/2017	16:13
Ag,Al,As,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,U,V,Y,Zn		IP170523-3MB	10	5/27/2017	16:16
Ag,Al,As,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,U,V,Y,Zn		IM170523-3LCS	10	5/27/2017	16:19
Ag,Al,As,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,U,V,Y,Zn		1705389-1	10	5/27/2017	16:25
Ag,Al,As,Ba,Be,Ca,Cd,Ce,Co,Cr,Cu,Fe,K,La,Li,Mg,Mn,Mo,Nd,Ni,Pb,Pr,Sb,Sc,Se,Sn,Sr,Th,Ti,Tl,U,V,Y,Zn		1705389-2	10	5/27/2017	16:28
		LCV1	1	5/27/2017	16:40
		CCV5	1	5/27/2017	16:43
		CCB5	1	5/27/2017	16:49
		1705460-1	100	5/27/2017	16:52
		1705460-2	100	5/27/2017	16:58
		1705461-1	100	5/27/2017	17:04
		1705461-2	100	5/27/2017	17:10
		1705462-1	100	5/27/2017	17:15
		1705462-2	100	5/27/2017	17:21
		1705462-3	100	5/27/2017	17:27
		1705462-4	100	5/27/2017	17:33
		1705462-5	100	5/27/2017	17:39
		1705462-6	100	5/27/2017	17:45
		CCV6	1	5/27/2017	17:51
		CCB6	1	5/27/2017	17:57
		1705462-7	100	5/27/2017	18:00
		1705462-8	100	5/27/2017	18:06
		1705462-9	100	5/27/2017	18:12
		1705462-10	100	5/27/2017	18:18

Data Package ID: IM1705202-1

ICPMS2 Run Log -- 5/27/2017

Instrument ID: ICPMS2
File Name: 071SMPL_
AnalRunID: IM170527-10A1
CalibRefID: IM170527-10A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		ZZZ	1	5/27/2017	18:30
		CCV7	1	5/27/2017	18:33
		CCB7	1	5/27/2017	18:38
		IP170524-6MB	10	5/27/2017	18:41
		IM170524-6LCS	10	5/27/2017	18:44
		1705277-22	10	5/27/2017	18:50
		1705277-22SER	50	5/27/2017	18:53
		1705277-22DUP	10	5/27/2017	18:56
		1705277-22MS	10	5/27/2017	18:59
		1705277-22MSD	10	5/27/2017	19:02
		1705277-22A	10	5/27/2017	19:05
		1705277-23	10	5/27/2017	19:11
		1705277-24	10	5/27/2017	19:14
		CCV8	1	5/27/2017	19:20
		CCB8	1	5/27/2017	19:26
		1705277-25	10	5/27/2017	19:29
		1705277-26	10	5/27/2017	19:32
		1705277-27	10	5/27/2017	19:35
		1705277-28	10	5/27/2017	19:38
		1705277-29	10	5/27/2017	19:41
		1705277-30	10	5/27/2017	19:44
		1705277-31	10	5/27/2017	19:47
		1705277-32	10	5/27/2017	19:50
		1705277-33	10	5/27/2017	19:53
		1705277-34	10	5/27/2017	19:56
		CCV9	1	5/27/2017	20:02
		CCB9	1	5/27/2017	20:08
		1705277-35	10	5/27/2017	20:11
		1705277-36	10	5/27/2017	20:14
		1705277-37	10	5/27/2017	20:17
		1705277-38	10	5/27/2017	20:20
		LCV2	1	5/27/2017	20:32
		CCV10	1	5/27/2017	20:34
		CCB10	1	5/27/2017	20:40
		IP170525-1MB	10	5/27/2017	20:43

Data Package ID: IM1705202-1

ICPMS2 Run Log -- 5/27/2017

Instrument ID: ICPMS2
File Name: 107SMPL_
AnalRunID: IM170527-10A1
CalibRefID: IM170527-10A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		IM170525-1LCS	10	5/27/2017	20:46
		1704607-1	10	5/27/2017	20:52
		1704607-1SER	50	5/27/2017	20:55
		1704607-1DUP	10	5/27/2017	20:58
		1704607-1MS	10	5/27/2017	21:01
		1704607-1MSD	10	5/27/2017	21:04
		1704607-1A	10	5/27/2017	21:07
		1704607-2	10	5/27/2017	21:13
		1704607-3	10	5/27/2017	21:16
		CCV11	1	5/27/2017	21:22
		CCB11	1	5/27/2017	21:28
		1704607-4	10	5/27/2017	21:31
		1704607-5	10	5/27/2017	21:34
		1704607-6	10	5/27/2017	21:37
		1704607-7	10	5/27/2017	21:40
		1704607-8	10	5/27/2017	21:43
		1704607-9	10	5/27/2017	21:46
		1704607-10	10	5/27/2017	21:49
		1704607-11	10	5/27/2017	21:52
		1704607-12	10	5/27/2017	21:55
		1704607-13	10	5/27/2017	21:58
		CCV12	1	5/27/2017	22:04
		CCB12	1	5/27/2017	22:10
		1704607-14	10	5/27/2017	22:13
		1704607-15	10	5/27/2017	22:16
		1704607-16	10	5/27/2017	22:19
		1704607-17	10	5/27/2017	22:22
		1704607-18	10	5/27/2017	22:25
		1704607-19	10	5/27/2017	22:28
		LCV3	1	5/27/2017	22:40
		CCV13	1	5/27/2017	22:43
		CCB13	1	5/27/2017	22:49
		IP170525-2MB	10	5/27/2017	22:52
		IM170525-2LCS	10	5/27/2017	22:55
		1704607-20	10	5/27/2017	23:01

Data Package ID: IM1705202-1

ICPMS2 Run Log -- 5/27/2017

Instrument ID: ICPMS2
File Name: 143SMPL_
AnalRunID: IM170527-10A1
CalibRefID: IM170527-10A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		1704607-21	10	5/27/2017	23:04
		1704607-22	10	5/27/2017	23:07
		1704607-23	10	5/27/2017	23:10
		1705291-4	10	5/27/2017	23:13
		1705291-4SER	50	5/27/2017	23:16
		1705291-4DUP	10	5/27/2017	23:19
		1705291-4MS	10	5/27/2017	23:22
		CCV14	1	5/27/2017	23:27
		CCB14	1	5/27/2017	23:33
		1705291-4MSD	10	5/27/2017	23:36
		1705291-4A	10	5/27/2017	23:39
		LCV4	1	5/27/2017	23:51
		CCV15	1	5/27/2017	23:54
		CCB15	1	5/28/2017	00:00
- Pb,Zn		IP170525-3MB	10	5/28/2017	00:03
- Pb,Zn		IM170525-3LCS	10	5/28/2017	00:06
		ZZZ	1	5/28/2017	00:12
- Pb,Zn		1705407-1	10	5/28/2017	00:15
- Pb,Zn		1705407-2	10	5/28/2017	00:18
- Pb,Zn		1705407-3	10	5/28/2017	00:21
- Pb,Zn		1705454-1	10	5/28/2017	00:24
- Pb,Zn		1705454-1SER	50	5/28/2017	00:27
- Pb,Zn		1705454-1DUP	10	5/28/2017	00:30
- Pb,Zn		1705454-1MS	10	5/28/2017	00:33
		CCV16	1	5/28/2017	00:39
		CCB16	1	5/28/2017	00:45
- Pb,Zn		1705454-1MSD	10	5/28/2017	00:48
- Pb,Zn		1705454-1A	10	5/28/2017	00:51
- Pb,Zn		1705496-1	10	5/28/2017	00:57
- Pb,Zn		1705498-1	10	5/28/2017	01:00
		LCV5	1	5/28/2017	01:12
		CCV17	1	5/28/2017	01:15
		CCB17	1	5/28/2017	01:21
		IP170525-4RBMB	10	5/28/2017	01:24
		IP170525-4MB	10	5/28/2017	01:30

Data Package ID: IM1705202-1

ICPMS2 Run Log -- 5/28/2017

Instrument ID: ICPMS2
File Name: 180SMPL_
AnalRunID: IM170527-10A1
CalibRefID: IM170527-10A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		IM170525-4LCS	10	5/28/2017	01:35
		IM170525-4LCSD	10	5/28/2017	01:41
		1705104-1	10	5/28/2017	01:47
		1705104-2	10	5/28/2017	01:53
		1705104-3	10	5/28/2017	01:59
		LCV6	1	5/28/2017	02:11
		CCV18	1	5/28/2017	02:14
		CCB18	1	5/28/2017	02:20
- B,Fe,K,Mn,Se		FP170524-4MB	10	5/28/2017	02:23
- B,Fe,K,Mn,Se		FP170526-4MB	10	5/28/2017	02:26
- B,Fe,K,Mn,Se		IP170526-4MB	10	5/28/2017	02:29
- B,Fe,K,Mn,Se		IM170526-4LCS	10	5/28/2017	02:32
- B,Fe,K,Mn,Se		1705474-1	10	5/28/2017	02:38
- B,Fe,K,Mn,Se		1705474-2	10	5/28/2017	02:41
- B,Fe,K,Mn,Se		1705484-1	10	5/28/2017	02:44
- B,Fe,K,Mn,Se		1705520-1	10	5/28/2017	02:47
- B,Fe,K,Mn,Se		1705520-1SER	50	5/28/2017	02:50
- B,Fe,K,Mn,Se		1705520-1DUP	10	5/28/2017	02:53
		CCV19	1	5/28/2017	02:59
		CCB19	1	5/28/2017	03:05
- B,Fe,K,Mn,Se		1705520-1MS	10	5/28/2017	03:08
- B,Fe,K,Mn,Se		1705520-1MSD	10	5/28/2017	03:11
- B,Fe,K,Mn,Se		1705522-1	10	5/28/2017	03:17
- B,Fe,K,Mn,Se		1705522-2	10	5/28/2017	03:20
- B,Fe,K,Mn,Se		1705530-1	10	5/28/2017	03:23
- B,Fe,K,Mn,Se		1705531-1	10	5/28/2017	03:26
		LCV7	1	5/28/2017	03:38
		CCV20	1	5/28/2017	03:41
		CCB20	1	5/28/2017	03:47
- B,Fe,Pb,Zn		IP170526-2MB	10	5/28/2017	03:50
- B,Fe,Pb,Zn		IM170526-2LCS	10	5/28/2017	03:53
- B,Fe,Pb,Zn		1705097-2	10	5/28/2017	03:59
- B,Fe,Pb,Zn		1705097-2SER	50	5/28/2017	04:02
- B,Fe,Pb,Zn		1705097-2DUP	10	5/28/2017	04:05
- B,Fe,Pb,Zn		1705097-2MS	10	5/28/2017	04:08

Data Package ID: IM1705202-1

ICPMS2 Run Log -- 5/28/2017

Instrument ID: ICPMS2
File Name: 217SMPL_
AnalRunID: IM170527-10A1
CalibRefID: IM170527-10A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
- B,Fe,Pb,Zn		1705097-2MSD	10	5/28/2017	04:11
- B,Fe,Pb,Zn		1705097-2A	10	5/28/2017	04:14
- B,Fe,Pb,Zn		1705223-2	10	5/28/2017	04:20
- B,Fe,Pb,Zn		1705324-2	10	5/28/2017	04:22
		CCV21	1	5/28/2017	04:28
		CCB21	1	5/28/2017	04:34
- B,Fe,Pb,Zn		1705362-2	10	5/28/2017	04:37
- B,Fe,Pb,Zn		1705489-2	10	5/28/2017	04:40
- B,Fe,Pb,Zn		1705489-4	10	5/28/2017	04:43
- B,Fe,Pb,Zn		1705514-1	10	5/28/2017	04:46
- B,Fe,Pb,Zn		1705514-2	10	5/28/2017	04:49
- B,Fe,Pb,Zn		1705514-3	10	5/28/2017	04:52
		LCV8	1	5/28/2017	05:04
		CCV22	1	5/28/2017	05:07
		CCB22	1	5/28/2017	05:13
- Be,Fe,K,Pb,Zn		IP170526-1MB	10	5/28/2017	05:16
- Be,Fe,K,Pb,Zn		IM170526-1LCS	10	5/28/2017	05:19
- Be,Fe,K,Pb,Zn		1704512-3	10	5/28/2017	05:22
		1705410-1	10	5/28/2017	05:25
		1705410-1SER	50	5/28/2017	05:28
		1705410-1DUP	10	5/28/2017	05:31
		1705410-1MS	10	5/28/2017	05:34
		1705410-1MSD	10	5/28/2017	05:37
		1705410-3	10	5/28/2017	05:40
		LCV9	1	5/28/2017	05:49
		CCV23	1	5/28/2017	05:52
		CCB23	1	5/28/2017	05:58

Data Package ID: IM1705202-1

Raw Data

HEADER INFORMATION FOR ANALYTICAL SEQUENCE 170522A
Instrument: Trace2
Analyst: Steve Workman
Analysis Date: 05/22/2017

STANDARD SOLUTION CODES

Stock A (ST150604-1) Exp. 4-30-2020

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 A1	2ml of Stock A1 to a 5ml final volume.
A3	1/5 of Stock A1	1ml of Stock A1 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 (ST170420-2) Exp. 04-30-2018

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 (ST150303-11) Exp. 8-31-16

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

Standard	Dilution	Procedure
B1	1/2 of Stock B 1/500 Ag	5ml of Stock B, 0.02ml of Stock Ag 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 (ST150701-1) Exp. 7/31/18

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.
(ST170322-2) Exp. 7-31-2018

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 (ST170322-5) Exp. 05-31-2017

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 (ST170322-5) Exp. 05-31-2017

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 (ST170322-4) Exp. 05-31-2017
Made By diluting
1.0ml of CRI Stock (ST170322-3) Exp. 05-31-2017
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 (ST170420-4)
Exp. 05-31-17

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

ICSAB (ST170420-3) Exp. 05-31-17

Element	ug/ml
Ca, Mg, Al	250

Fe	100
U	10
B, Si, Li, Mo, Sn, Sr, Ti, Cd, Zn, Ni, P, S	1.0
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-88
0.1ml to 1.0ml --- M-86
0.01ml to 0.1ml --- M-56

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, Se, Ag, Tl, Si, Be
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.

50X – Dilution made by diluting 0.1ml of sample to a 5ml final volume.

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

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 SMW .

Monthly Maintenance

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

Monthly maintenance done by: SMW 04-14-2017

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

Sample Id1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
MIXAHIGH	-0.0003	497.9669	-0.0031	-0.0041	0.0021	0.0009	0.0014	493.1554	0.0002	0.0010	-0.0011	-0.0093
MIXBHIGH	1.9941	0.0118	4.9780	9.9478	9.9381	0.9850	-0.0016	-0.1330	4.9487	4.9713	9.9539	9.9458
MIXCHIGH	-0.0055	0.3308	-0.0028	0.0235	0.0007	-0.0001	5.0104	-0.1641	-0.0013	0.0064	-0.0103	0.0038
ICV	0.0966	25.4075	0.2440	0.5003	0.4992	0.2508	0.2471	25.4315	0.2438	0.2395	0.4984	0.4887
ICB	-0.0006	-0.0156	-0.0002	-0.0011	-0.0002	-0.0001	-0.0017	0.0223	-0.0006	0.0001	0.0003	-0.0006
CRI	0.0198	0.4260	0.0108	0.4093	0.4224	0.0104	0.0489	5.3179	0.0099	0.1024	0.0218	0.0521
LIV	0.0098	0.1884	0.0276	0.0988	0.1034	0.0050	0.0165	1.0378	0.0044	0.0197	0.0108	0.0197
ICSA	-0.0011	262.0665	-0.0015	-0.0010	0.0012	0.0004	0.0011	258.2154	-0.0001	-0.0007	-0.0014	-0.0035
ICSAB	0.2042	260.1373	0.0996	0.9964	0.5333	0.4882	0.4428	255.3883	0.9807	0.4633	0.4864	0.5283
CCV	0.1924	50.3370	0.4806	0.9859	0.9813	0.4882	0.4928	50.2674	0.4789	0.4680	0.9750	0.9630
CCB	-0.0007	-0.0074	0.0010	0.0006	0.0001	-0.0002	-0.0022	0.0284	-0.0002	-0.0002	0.0001	-0.0003
Z	0.1915	50.7459	0.4759	0.9698	0.9866	0.4906	0.4841	50.0289	0.4699	0.4687	0.9761	0.9646
CCV	0.1929	50.8607	0.4748	0.9690	0.9921	0.4925	0.4849	50.2904	0.4707	0.4709	0.9806	0.9663
CCB	0.0004	-0.0097	-0.0022	-0.0022	0.0003	-0.0002	-0.0065	0.0610	0.0001	0.0002	0.0005	0.0001
Z	-0.0005	-0.0324	0.0085	0.0114	0.3156	-0.0003	-0.0099	74.0335	-0.0003	-0.0001	0.0002	0.0002
Z	-0.0004	-0.0416	0.0056	0.0115	0.3225	-0.0004	-0.0002	74.9424	-0.0005	-0.0008	-0.0001	0.0000
Z	0.0001	-0.0462	0.0027	-0.0008	0.0608	-0.0005	-0.0028	14.0642	-0.0007	-0.0004	-0.0003	-0.0005
Z	0.1001	1.9671	0.9754	1.0041	1.3047	0.0484	-0.0028	112.7049	0.0481	0.4781	0.1997	0.2504
Z	0.1011	2.0112	0.9868	1.0187	1.3295	0.0491	-0.0035	113.7803	0.0481	0.4827	0.2028	0.2559
Z	-0.0001	-0.0425	0.0003	-0.0008	-0.0003	-0.0006	-0.0043	0.0347	0.0000	-0.0009	0.0007	0.0001
Z	0.0001	1.9850	0.9167	0.9287	1.0170	0.0497	-0.0061	38.7815	0.0464	0.4809	0.2031	0.2590
Z	-0.0006	1.9683	0.9099	0.9214	1.0091	0.0497	-0.0072	38.8995	0.0467	0.4805	0.2024	0.2555
Z	-0.0010	2.5496	-0.0114	0.0922	0.7995	-0.0001	-0.0177	1503.8356	0.0073	0.0065	0.0551	0.5225
Z	-0.0012	7.1884	-0.0132	0.0552	0.9204	0.0003	-0.0218	1930.7874	0.0040	0.0075	0.0736	0.4509
Z	0.1999	53.9450	0.4935	1.0013	1.0200	0.5038	0.5040	51.9701	0.4932	0.4860	1.0133	1.0186
Z	0.0003	-0.0121	0.0026	-0.0022	0.0001	-0.0002	0.0019	0.0563	-0.0004	0.0001	0.0001	-0.0003
CCV	0.1959	51.5978	0.4786	0.9728	0.9911	0.4926	0.4879	50.5562	0.4786	0.4734	0.9870	0.9821
CCB	-0.0012	-0.0056	-0.0001	-0.0019	0.0001	-0.0002	-0.0065	0.0610	-0.0005	-0.0008	-0.0007	-0.0005
1704509-11	-0.0007	-0.0276	0.0066	0.0114	0.3164	-0.0003	-0.0107	73.9189	-0.0009	-0.0004	-0.0010	-0.0006
1704509-11D	-0.0008	-0.0252	0.0023	0.0124	0.3224	-0.0003	0.0011	74.7628	-0.0005	-0.0001	-0.0005	0.0001
1704509-11L 5X	-0.0004	-0.0325	0.0021	0.0005	0.0606	-0.0003	-0.0011	13.9245	-0.0005	0.0001	0.0004	0.0002
1704509-11MS	0.0987	1.9866	0.9795	1.0055	1.2992	0.0481	-0.0039	111.5138	0.0478	0.4743	0.1981	0.2515
1704509-11MSD	0.1010	2.0174	0.9986	1.0221	1.3260	0.0486	-0.0055	112.4746	0.0489	0.4809	0.1998	0.2569
IP170519-2MB	-0.0001	-0.0306	0.0029	-0.0008	-0.0003	-0.0005	-0.0078	0.0382	0.0000	-0.0011	0.0001	-0.0011
IP170519-2LCS	-0.0004	1.9867	0.9110	0.9314	1.0102	0.0492	-0.0043	38.2662	0.0469	0.4775	0.2019	0.2582
IP170519-2LCSD	0.0001	1.9488	0.9071	0.9209	0.9963	0.0489	-0.0050	38.2291	0.0462	0.4736	0.2000	0.2551
1705192-1	-0.0010	2.5709	-0.0137	0.0936	0.8060	-0.0001	-0.0178	1532.6230	0.0074	0.0065	0.0556	0.5289
1705192-2	-0.0006	7.1693	-0.0191	0.0556	0.9205	0.0003	-0.0242	1965.2041	0.0042	0.0073	0.0748	0.4549
CCV	0.1949	51.3152	0.4855	0.9717	0.9874	0.4875	0.4927	50.0899	0.4803	0.4703	0.9781	0.9821
CCB	-0.0012	-0.0019	0.0008	-0.0018	0.0002	-0.0001	-0.0074	0.0871	-0.0003	-0.0008	-0.0005	-0.0005
1705192-3	-0.0009	7.4669	-0.0097	0.0840	0.9472	0.0008	-0.0156	2087.5050	0.0049	0.0065	0.0738	0.5281
1705192-4	-0.0010	2.2695	-0.0202	0.0592	0.3239	-0.0002	-0.0192	1687.1628	0.0029	0.0039	0.0532	0.4930
1705192-1 10X	-0.0001	0.2841	0.0012	0.0086	0.0816	-0.0001	-0.0049	163.0005	0.0005	0.0007	0.0055	0.0532
1705192-2 10X	-0.0004	0.8446	-0.0006	0.0049	0.0984	-0.0001	-0.0062	242.1152	0.0001	0.0009	0.0073	0.0484

Sample Id1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
1705192-3 10X	0.0001	0.8950	-0.0029	0.0081	0.1010	0.0000	-0.0021	290.0888	0.0004	0.0008	0.0068	0.0546
1705192-4 10X	-0.0069	0.2379	-0.0101	-0.0015	0.0350	-0.0002	-0.0222	200.0056	-0.0019	-0.0055	-0.0004	0.0470
Z	-0.0010	-0.0186	0.0007	-0.0037	-0.0004	-0.0003	-0.0017	0.0167	-0.0002	-0.0008	-0.0004	-0.0012
IP170519-3LCS	0.1000	2.0443	0.9848	0.9999	0.9921	0.0497	-0.0024	38.8627	0.0485	0.4834	0.2006	0.2525
IP170519-3MB	-0.0003	-0.0231	-0.0003	-0.0036	-0.0004	-0.0003	-0.0054	0.0149	-0.0005	-0.0002	0.0000	-0.0013
1705100-1	-0.0009	0.0038	0.0049	0.0197	0.0877	-0.0002	-0.0017	90.1170	-0.0005	-0.0005	0.0413	0.0003
CCV	0.1913	50.2941	0.4760	0.9652	0.9686	0.4751	0.4861	48.8376	0.4724	0.4614	0.9582	0.9690
CCB	-0.0004	0.0179	0.0016	-0.0018	0.0002	0.0000	-0.0030	0.0796	-0.0001	-0.0003	0.0005	-0.0005
1705100-1D	-0.0003	-0.0053	0.0046	0.0197	0.0862	-0.0003	-0.0028	89.3874	-0.0004	-0.0003	0.0412	0.0004
1705100-1L 5X	-0.0009	-0.0258	0.0029	0.0028	0.0171	-0.0004	-0.0045	17.8499	-0.0006	0.0002	0.0081	-0.0008
1705100-1MS	0.0961	1.9867	0.9535	0.9929	1.0430	0.0479	-0.0092	125.2303	0.0469	0.4629	0.2338	0.2470
1705100-1MSD	0.0972	1.9847	0.9544	0.9996	1.0442	0.0479	-0.0051	125.8627	0.0468	0.4625	0.2331	0.2484
1705100-2	-0.0002	-0.0226	0.0000	0.0220	0.0857	-0.0003	-0.0013	91.0847	-0.0003	0.0000	0.0393	0.0003
1705100-8	-0.0013	-0.0280	0.0038	0.0076	0.0317	-0.0003	-0.0025	77.1875	-0.0011	-0.0007	0.0096	-0.0005
1705100-9	-0.0006	-0.0251	0.0057	0.0245	0.0414	-0.0003	-0.0057	68.2837	-0.0007	-0.0005	0.0381	0.0011
1705100-10.	-0.0002	-0.0177	0.0048	0.0249	0.0409	-0.0003	-0.0029	67.6452	-0.0004	0.0002	0.0382	0.0007
IP170519-4MB	0.0001	-0.0222	0.0005	-0.0043	-0.0004	-0.0002	-0.0025	0.0131	-0.0005	-0.0003	-0.0004	-0.0009
IP170519-4LCS	0.0981	2.0288	0.9829	0.9954	0.9774	0.0495	-0.0047	38.7074	0.0483	0.4804	0.1995	0.2496
CCV	0.1922	50.4412	0.4749	0.9720	0.9696	0.4806	0.5035	49.4785	0.4794	0.4657	0.9674	0.9741
CCB	-0.0002	0.0105	0.0026	-0.0020	0.0002	0.0000	-0.0039	0.0857	-0.0005	0.0002	0.0002	-0.0006
1705100-7	-0.0016	-0.0206	0.0022	0.0071	0.0322	-0.0003	-0.0024	76.9873	-0.0002	0.0001	0.0603	0.0009
1705100-7D	-0.0005	-0.0211	0.0010	0.0078	0.0324	-0.0003	0.0009	78.1185	-0.0001	0.0011	0.0674	0.0016
1705100-7L 5X	0.0002	-0.0270	0.0026	-0.0006	0.0060	-0.0004	-0.0047	15.0683	-0.0007	0.0001	0.0120	0.0000
1705100-7MS	0.0985	1.9399	0.9589	0.9918	0.9944	0.0487	-0.0012	113.5040	0.0479	0.4703	0.2632	0.2487
1705100-7MSD	0.0993	1.9806	0.9750	1.0048	1.0095	0.0494	-0.0080	116.2814	0.0482	0.4765	0.2719	0.2528
1705202-2 10X	-0.0007	-0.0054	0.0003	1.3581	1.4260	-0.0003	-0.0035	6.8149	-0.0006	0.0011	0.0114	0.0154
1705203-2 10X	0.0001	-0.0343	-0.0001	1.2290	0.6212	-0.0003	-0.0047	0.8433	-0.0006	0.0000	-0.0001	-0.0003
1705240-2	-0.0011	-0.0037	0.0035	0.0949	0.3423	-0.0002	-0.0026	3.6370	-0.0006	0.0001	0.0059	0.0041
1705242-2	-0.0006	0.0072	0.0014	0.0912	0.3384	-0.0002	-0.0024	3.6404	-0.0003	0.0003	0.0082	0.0129
1705202-2 100X	-0.0001	-0.0237	0.0014	0.1322	0.1452	-0.0003	-0.0043	0.7581	-0.0004	-0.0002	0.0010	0.0012
CCV	0.1941	50.9133	0.4839	0.9707	0.9753	0.4879	0.5003	49.9862	0.4802	0.4722	0.9794	0.9783
CCB	-0.0009	-0.0093	-0.0013	-0.0025	0.0000	-0.0001	-0.0073	0.0641	-0.0003	-0.0007	0.0001	-0.0011
1705203-2 100X	-0.0011	-0.0272	0.0045	0.1202	0.0644	-0.0003	-0.0043	0.1255	-0.0002	0.0001	-0.0005	-0.0005
1705240-2 10X	0.0000	-0.0269	-0.0005	0.0066	0.0340	-0.0003	-0.0024	0.4028	-0.0003	0.0000	0.0008	-0.0002
1705242-2 10X	-0.0006	-0.0208	0.0013	0.0064	0.0342	-0.0003	-0.0107	0.4094	-0.0006	-0.0006	0.0001	0.0004
IP170520-3MB	-0.0002	-0.0275	0.0012	-0.0034	-0.0003	-0.0003	0.0004	0.0094	-0.0007	0.0000	-0.0008	-0.0009
IP170520-3LCS	-0.0002	2.0523	1.0232	1.0267	1.0160	0.0510	-0.0035	0.0178	0.0509	0.5150	0.2156	0.2610
1705401-1	-0.0016	0.3714	0.0096	0.3585	0.1578	-0.0002	-0.0063	87.8323	-0.0003	0.0000	0.0000	0.0004
1705401-1D	-0.0008	0.3478	0.0092	0.3490	0.1549	-0.0002	-0.0038	86.3288	-0.0007	0.0003	-0.0002	0.0007
1705401-1L 5X	-0.0002	0.0426	0.0015	0.0667	0.0309	-0.0004	-0.0003	17.1576	-0.0005	-0.0001	0.0001	0.0000
1705401-1MS	-0.0003	2.8994	1.0366	1.3920	1.1670	0.0507	-0.0016	87.7351	0.0504	0.5065	0.2097	0.2617
1705401-1MSD	-0.0004	2.9286	1.0563	1.4257	1.1897	0.0514	0.0004	89.4243	0.0513	0.5135	0.2120	0.2681
CCV	0.1920	50.8377	0.4718	0.9699	0.9747	0.4852	0.4815	49.7463	0.4754	0.4682	0.9736	0.9749
CCB	-0.0003	-0.0068	0.0029	-0.0003	0.0001	-0.0001	-0.0046	0.0677	-0.0003	0.0000	-0.0003	-0.0005

Sample Id1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
1705401-2	-0.0002	2.4091	0.0048	0.0367	0.1056	0.0000	-0.0078	19.3715	-0.0004	0.0005	0.0018	0.0035
1705401-3	0.0000	0.2656	0.0016	0.2175	0.1019	-0.0002	-0.0008	55.6688	-0.0003	0.0003	-0.0003	0.0005
1705401-4	-0.0008	0.1358	0.0022	0.2033	0.1014	-0.0002	-0.0048	52.3440	-0.0009	-0.0005	-0.0004	0.0009
1705401-5	-0.0004	0.1983	0.0043	0.1972	0.0917	-0.0002	0.0014	51.3745	-0.0006	0.0003	0.0001	0.0005
1705401-6	-0.0012	0.1507	0.0091	0.3536	0.1189	-0.0001	-0.0067	53.6612	-0.0008	-0.0008	-0.0012	0.0006
1705401-7	-0.0002	0.3787	0.0082	0.2177	0.1534	-0.0001	0.0014	75.3742	-0.0011	0.0005	0.0002	0.0014
1705402-1	0.0003	6.3549	0.0072	0.0080	0.0860	0.0002	-0.0024	10.9577	0.0001	0.0034	0.0096	0.0200
CCV	0.1920	50.6016	0.4802	0.9660	0.9690	0.4858	0.4902	49.8435	0.4765	0.4690	0.9755	0.9723
CCB	-0.0006	-0.0101	0.0032	-0.0030	0.0001	-0.0001	-0.0046	0.0677	-0.0001	-0.0003	-0.0005	-0.0002
CRI	0.0201	0.4076	0.0101	0.4036	0.4186	0.0102	0.0486	5.3067	0.0101	0.1033	0.0219	0.0525
LCV	0.0096	0.1723	0.0268	0.0970	0.1020	0.0048	0.0099	1.0325	0.0044	0.0201	0.0110	0.0196
ICSA	-0.0004	263.0551	0.0045	-0.0022	0.0013	0.0003	-0.0008	259.0439	-0.0002	0.0004	-0.0005	-0.0041
ICSAB	0.2084	262.4452	0.1012	0.9939	0.5292	0.4980	0.4434	258.4547	0.9889	0.4737	0.4974	0.5315
CCV	0.1946	51.0681	0.4873	0.9711	0.9764	0.4920	0.4927	50.5756	0.4806	0.4761	0.9887	0.9765
CCB	-0.0005	-0.0110	-0.0019	-0.0008	0.0002	-0.0002	-0.0048	0.0711	-0.0003	0.0006	-0.0002	0.0000

Sample Id1	Fe	Li	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pb I	Pb II
MIXAHIGH	196.4763	10.0113	249.0929	495.4068	-0.0100	-0.0010	148.7930	-0.0004	-0.0358	-0.0028	0.0085	-0.0084
MIXBHIGH	0.0270	0.0614	0.6206	-0.1302	9.9319	9.9506	0.4713	9.9719	48.8621	9.9748	9.9794	9.9725
MIXCHIGH	0.0245	0.0610	0.5926	-0.1375	0.0041	0.0023	0.4493	0.0000	0.0441	-0.0099	-0.0073	-0.0113
ICV	10.0042	0.2402	25.0009	25.6496	0.4989	0.4935	25.3019	0.5060	2.4109	0.5007	0.5062	0.4980
ICB	0.0048	0.0035	0.1707	0.0095	0.0000	0.0001	0.0728	0.0009	0.0042	-0.0007	-0.0024	0.0002
CRI	0.2188	0.0192	4.2989	5.2088	0.0325	0.0202	4.5104	0.0888	0.1639	0.0065	0.0080	0.0058
LIV	0.1069	0.0169	0.9288	1.0344	0.0103	0.0190	0.8670	0.0215	0.1239	0.0189	0.0213	0.0177
ICSA	107.0205	0.0049	0.1286	267.6927	-0.0059	-0.0013	0.1112	0.0000	0.0840	0.0005	-0.0018	0.0016
ICSAB	105.5664	1.1169	0.1191	264.6054	0.4812	0.9782	0.0970	0.9772	1.0442	0.0500	0.0505	0.0498
CCV	19.7784	0.5174	52.3390	50.8340	0.9745	0.9760	52.2897	0.9819	4.7602	0.9969	1.0073	0.9917
CCB	0.0075	0.0036	0.1868	0.0133	0.0000	0.0003	0.0799	0.0003	-0.0358	-0.0008	-0.0039	0.0007
Z	19.7706	0.5159	51.7475	51.0526	0.9793	0.9655	51.9200	0.9548	4.4348	0.9954	1.0058	0.9901
CCV	19.8647	0.5176	51.9095	51.2355	0.9842	0.9709	52.0466	0.9583	4.6745	1.0011	1.0106	0.9963
CCB	0.0259	0.0036	0.1928	0.0459	0.0007	0.0006	0.0900	0.0011	0.0441	0.0009	-0.0015	0.0022
Z	0.0142	0.0133	1.1076	7.0962	0.0078	0.0002	5.5482	-0.0003	0.1339	-0.0009	0.0006	-0.0016
Z	0.0144	0.0134	1.0931	7.1903	0.0013	-0.0006	5.6445	0.0002	0.1339	0.0001	-0.0029	0.0015
Z	0.0024	0.0050	0.2988	1.3664	0.0014	-0.0002	1.0785	-0.0004	0.0441	-0.0009	-0.0039	0.0005
Z	1.0350	0.5165	43.8053	46.8916	0.5047	0.9471	46.9907	0.4844	11.1089	0.5063	0.5080	0.5054
Z	1.0119	0.5265	44.5675	47.5386	0.5117	0.9587	47.7240	0.4904	10.5511	0.5164	0.5161	0.5165
Z	0.0085	0.0034	0.1028	0.0022	0.0001	0.0007	0.1037	0.0010	0.0441	0.0017	-0.0021	0.0036
Z	0.9941	0.4935	36.8231	38.7161	0.5122	0.9653	38.3238	0.4935	-0.0008	0.5010	0.5032	0.4999
Z	0.9950	0.4902	36.5374	38.7279	0.5109	0.9664	38.0707	0.4895	-0.0008	0.4986	0.4987	0.4985
Z	12.2221	0.0116	412.2097	50.2004	0.4046	0.0281	172.2918	0.0146	298.2736	0.0316	0.0359	0.0295
Z	18.5126	0.0215	498.3713	52.8010	0.5914	0.0121	192.2438	0.0172	293.1893	0.0362	0.0328	0.0379
Z	20.4336	0.5497	55.1873	53.2922	1.0122	0.9968	55.2871	0.9894	5.0255	1.0488	1.0392	1.0536
Z	0.0174	0.0036	0.2003	0.0339	0.0004	0.0007	0.0896	0.0013	-0.0008	-0.0006	-0.0001	-0.0008
CCV	19.8627	0.5239	52.8400	51.6557	0.9849	0.9722	52.9270	0.9684	4.9798	1.0113	1.0198	1.0071
CCB	0.0203	0.0036	0.1903	0.0282	0.0004	0.0017	0.0932	-0.0008	-0.0458	-0.0003	-0.0073	0.0032
1704509-11	0.0119	0.0134	1.1350	7.0990	0.0078	0.0003	5.6260	-0.0006	0.1339	-0.0002	-0.0049	0.0021
1704509-11D	0.0145	0.0134	1.1071	7.2087	0.0013	0.0002	5.6891	0.0004	0.1339	-0.0001	-0.0044	0.0020
1704509-11L 5X	0.0038	0.0050	0.2830	1.3651	0.0015	-0.0009	1.0882	0.0000	0.0441	-0.0005	0.0006	-0.0010
1704509-11MS	1.0292	0.5172	44.0947	46.6996	0.4998	0.9454	47.2449	0.4858	10.9228	0.5040	0.5018	0.5050
1704509-11MSD	1.0044	0.5282	44.9222	47.2756	0.5074	0.9580	47.9590	0.4934	9.8551	0.5074	0.5058	0.5082
IP170519-2MB	0.0083	0.0033	0.0760	0.0057	0.0000	-0.0001	0.1061	0.0011	0.0441	0.0011	-0.0031	0.0033
IP170519-2LCS	0.9849	0.4923	36.8792	38.4628	0.5067	0.9620	38.3218	0.4946	0.0441	0.4908	0.4956	0.4884
IP170519-2LCSD	0.9818	0.4859	36.3898	38.2207	0.5033	0.9509	37.8399	0.4918	0.0441	0.4900	0.4929	0.4886
1705192-1	12.4079	0.0120	417.7598	51.1731	0.4105	0.0288	175.7788	0.0152	321.0342	0.0327	0.0354	0.0314
1705192-2	18.6760	0.0216	500.8878	53.6506	0.5961	0.0129	194.8501	0.0181	312.6782	0.0357	0.0345	0.0363
CCV	19.6976	0.5227	52.8104	51.2969	0.9763	0.9682	52.9071	0.9725	5.0255	0.9922	1.0079	0.9843
CCB	0.0215	0.0036	0.1830	0.0313	0.0004	-0.0003	0.0966	-0.0003	0.0441	0.0012	-0.0064	0.0050
1705192-3	19.3823	0.0310	552.5209	77.4892	0.6511	0.0120	215.7731	0.0203	302.4557	0.0413	0.0412	0.0413
1705192-4	12.9646	0.0111	461.0150	55.1800	0.3310	0.0299	178.8319	0.0101	331.4647	0.0611	0.0583	0.0625
1705192-1 10X	1.3709	0.0040	43.5577	6.9456	0.0455	0.0017	21.6437	0.0016	93.9101	0.0036	0.0016	0.0046
1705192-2 10X	2.1850	0.0050	57.1529	8.0276	0.0709	0.0000	28.7276	0.0026	129.5497	0.0049	0.0034	0.0056

Sample Id1	Fe	Li	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pb I	Pb II
1705192-3 10X	2.3417	0.0059	63.9130	11.9633	0.0799	0.0010	35.9750	0.0042	147.9886	0.0072	0.0093	0.0062
1705192-4 10X	1.5228	0.0042	52.1964	8.0967	0.0387	-0.0003	25.2658	-0.0039	117.5217	0.0083	-0.0328	0.0288
Z	0.0736	0.0034	0.1359	-0.0054	0.0000	-0.0011	0.0708	-0.0015	0.0441	-0.0014	-0.0050	0.0004
IP170519-3LCS	0.9836	0.4996	39.4662	39.8836	0.5053	0.9519	40.0438	0.5022	0.0441	0.5040	0.5085	0.5018
IP170519-3MB	0.0007	0.0034	0.1512	0.0000	-0.0002	-0.0009	0.0659	0.0009	-0.0008	0.0004	-0.0028	0.0019
1705100-1	0.1684	0.0111	6.1903	23.0216	0.0045	0.0014	28.8048	0.0015	0.0890	-0.0013	-0.0051	0.0006
CCV	19.3007	0.5132	51.9854	50.1885	0.9549	0.9514	52.0060	0.9584	4.7517	0.9665	0.9891	0.9552
CCB	0.0238	0.0036	0.1918	0.0370	0.0004	0.0008	0.0933	-0.0007	0.0441	0.0000	-0.0030	0.0015
1705100-1D	0.1460	0.0110	6.0911	22.8195	0.0045	0.0014	28.2803	0.0024	0.0441	0.0019	-0.0008	0.0033
1705100-1L 5X	0.0378	0.0047	1.3335	4.5960	0.0010	0.0003	5.6038	0.0004	0.0890	-0.0010	-0.0020	-0.0005
1705100-1MS	1.1472	0.5275	47.3513	60.9018	0.4911	0.9265	68.6160	0.4758	0.0890	0.4885	0.4916	0.4870
1705100-1MSD	1.1507	0.5298	47.5119	61.1104	0.4913	0.9267	68.8395	0.4763	0.0890	0.4885	0.4935	0.4860
1705100-2	0.0052	0.0110	6.2214	22.9753	0.0006	0.0022	29.6485	0.0018	0.0890	-0.0006	-0.0041	0.0012
1705100-8	0.0133	0.0076	3.9934	12.1930	0.0005	0.0012	8.9082	0.0172	0.0441	-0.0004	-0.0054	0.0021
1705100-9	0.0042	0.0071	5.4848	12.7939	0.0000	0.0006	26.1768	0.0027	-0.0008	-0.0009	-0.0039	0.0006
1705100-10.	0.0272	0.0070	5.4142	12.6567	0.0003	0.0016	25.6671	0.0032	0.0441	0.0005	-0.0009	0.0011
IP170519-4MB	0.0006	0.0034	0.1369	0.0025	-0.0003	-0.0007	0.0639	-0.0009	0.0441	-0.0009	-0.0018	-0.0005
IP170519-4LCS	1.0018	0.4942	38.8436	39.5232	0.5017	0.9489	39.5168	0.5032	0.0441	0.4952	0.5066	0.4895
CCV	19.5097	0.5160	52.0741	50.6173	0.9655	0.9663	52.1590	0.9753	4.9342	0.9727	1.0041	0.9570
CCB	0.0285	0.0036	0.1983	0.0370	0.0005	0.0004	0.0958	0.0005	-0.0008	-0.0005	-0.0034	0.0009
1705100-7	0.3659	0.0079	3.9519	12.0948	0.0063	0.0014	8.8969	0.0202	0.0441	-0.0026	-0.0059	-0.0010
1705100-7D	0.3887	0.0077	3.9894	12.2492	0.0068	0.0025	8.9102	0.0215	0.0441	-0.0020	-0.0024	-0.0019
1705100-7L 5X	0.0766	0.0043	0.8127	2.4015	0.0013	-0.0003	1.8670	0.0056	0.0441	-0.0004	-0.0018	0.0003
1705100-7MS	1.3485	0.5148	44.3615	50.9613	0.5005	0.9330	49.3961	0.5021	0.0890	0.4907	0.5012	0.4855
1705100-7MSD	1.3723	0.5272	45.2968	52.0876	0.5073	0.9479	50.4584	0.5116	0.0441	0.4995	0.5070	0.4957
1705202-2 10X	2.5286	0.1129	4.7927	2.4832	0.0488	0.0020	424.0951	0.0385	0.0441	-0.0010	-0.0030	0.0000
1705203-2 10X	1.2234	0.0806	10.0642	1.0258	0.0313	-0.0008	360.2256	0.0010	-0.2253	-0.0002	-0.0007	0.0001
1705240-2	2.7423	0.0867	2.2986	0.6530	0.0521	0.0007	225.2324	0.0634	0.0441	-0.0011	-0.0031	-0.0001
1705242-2	2.9005	0.0865	2.6843	0.6515	0.0600	0.0016	219.1096	0.0646	0.0441	-0.0011	-0.0031	-0.0001
1705202-2 100X	0.2682	0.0121	0.5015	0.2667	0.0114	0.0003	53.3959	0.0046	-0.0008	0.0000	-0.0003	0.0002
CCV	19.7854	0.5188	52.1293	51.2413	0.9795	0.9660	51.8930	0.9807	5.0711	0.9874	1.0135	0.9744
CCB	0.0241	0.0036	0.1760	0.0263	0.0004	0.0006	0.0990	-0.0005	0.0441	-0.0013	-0.0076	0.0018
1705203-2 100X	0.1316	0.0097	0.8909	0.1114	0.0095	-0.0017	44.6833	-0.0006	0.0441	0.0015	-0.0011	0.0028
1705240-2 10X	0.2804	0.0102	0.3657	0.0769	0.0121	0.0001	23.6040	0.0062	0.0441	-0.0005	-0.0008	-0.0003
1705242-2 10X	0.3013	0.0104	0.3913	0.0756	0.0127	-0.0006	23.7417	0.0066	0.0441	-0.0007	-0.0057	0.0018
IP170520-3MB	0.0341	0.0033	0.1617	-0.0009	0.0000	-0.0009	0.0633	-0.0004	-0.0458	-0.0006	-0.0007	-0.0006
IP170520-3LCS	1.0496	0.0035	0.1820	-0.0009	0.5428	0.9949	0.0676	0.5391	-0.0008	0.5251	0.5391	0.5182
1705401-1	0.2683	0.0292	15.6506	12.6519	0.0330	0.0024	99.7391	0.0001	0.2238	0.0000	-0.0033	0.0017
1705401-1D	0.2594	0.0287	15.2969	12.4445	0.0316	0.0008	97.4577	0.0009	0.3137	-0.0002	-0.0036	0.0015
1705401-1L 5X	0.0566	0.0075	2.3571	2.5180	0.0066	-0.0002	17.6209	0.0008	0.0890	0.0006	-0.0016	0.0017
1705401-1MS	1.5060	0.0295	15.5688	12.6662	0.5593	0.9890	99.1460	0.5225	0.2688	0.5269	0.5370	0.5218
1705401-1MSD	1.5092	0.0303	16.0287	12.9470	0.5675	1.0040	101.1272	0.5294	0.2688	0.5316	0.5404	0.5272
CCV	19.6867	0.5165	52.0011	51.0108	0.9770	0.9650	51.6210	0.9686	4.9342	0.9787	1.0069	0.9646
CCB	0.0248	0.0035	0.1707	0.0304	0.0003	0.0011	0.1000	0.0000	-0.0458	-0.0005	-0.0033	0.0009

Sample Id1	Fe	Li	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pb I	Pb II
1705401-2	1.8569	0.0054	4.2933	2.5250	0.0332	-0.0010	6.7780	0.0013	0.2238	0.0012	-0.0001	0.0018
1705401-3	0.0025	0.0151	10.4633	8.0377	0.0002	0.0011	78.0511	0.0004	0.0441	-0.0001	-0.0015	0.0005
1705401-4	0.0023	0.0142	9.8595	7.5147	0.0000	0.0011	72.2288	0.0009	0.0441	-0.0020	-0.0019	-0.0021
1705401-5	0.0119	0.0140	9.8507	7.3226	0.0000	0.0012	71.2985	0.0006	0.0441	-0.0021	-0.0016	-0.0023
1705401-6	0.1290	0.0293	18.2432	14.4395	0.0185	0.0006	91.4371	-0.0001	0.1339	0.0002	-0.0053	0.0030
1705401-7	0.2847	0.0209	14.3202	8.8784	0.0239	0.0010	54.0514	0.0012	0.2688	0.0006	-0.0005	0.0011
1705402-1	6.5270	0.0080	2.2476	2.8657	0.1526	-0.0005	0.8800	0.0086	0.3587	0.0176	0.0189	0.0169
CCV	19.6999	0.5144	51.7699	50.9998	0.9765	0.9690	51.7325	0.9742	4.9798	0.9819	1.0087	0.9686
CCB	0.0259	0.0036	0.1840	0.0297	0.0003	-0.0003	0.0941	-0.0005	-0.0008	-0.0003	-0.0034	0.0012
CRI	0.2205	0.0191	4.2498	5.2706	0.0328	0.0206	4.4826	0.0872	0.2238	0.0063	0.0070	0.0059
LCV	0.1081	0.0167	0.9170	1.0423	0.0105	0.0201	0.8642	0.0209	0.2688	0.0203	0.0194	0.0208
ICSA	107.9818	0.0048	0.1484	271.8653	-0.0058	0.0011	0.1175	0.0006	0.0441	0.0005	0.0039	-0.0012
ICSAB	107.5465	1.1104	0.1457	270.8655	0.4919	0.9928	0.1009	0.9818	1.0790	0.0515	0.0583	0.0481
CCV	19.9475	0.5192	52.2460	51.6828	0.9903	0.9805	52.4252	0.9841	4.8885	1.0014	1.0274	0.9884
CCB	0.0291	0.0036	0.2126	0.0351	0.0004	0.0012	0.0915	0.0005	-0.0008	0.0011	-0.0004	0.0018

Sample Id1	S	Sb	Se	Se I	Se II	Si	Sn	Sr	Ti	Tl	U	V
MIXAHIGH	0.1429	0.0084	-0.0014	0.0096	-0.0069	-0.0080	-0.0001	0.0042	-0.0027	-0.0139	0.0940	0.0055
MIXBHIGH	-0.0039	2.0399	4.9692	4.9731	4.9672	49.6250	9.9555	9.9057	9.8764	4.9803	-0.0747	4.9854
MIXCHIGH	49.5845	0.0025	0.0044	0.0097	0.0017	0.0614	0.0235	0.0011	0.0045	0.0020	49.8436	-0.0097
ICV	2.4659	0.2459	0.4974	0.4980	0.4971	2.4181	0.5065	0.2503	0.2470	0.2555	2.5179	0.2481
ICB	-0.0089	-0.0010	0.0009	0.0086	-0.0029	-0.0131	0.0035	-0.0008	-0.0008	0.0040	-0.0069	-0.0003
CRI	0.2265	0.1261	0.0140	0.0188	0.0116	0.0966	0.1005	0.0200	0.0201	0.0191	0.1973	0.1051
LIV	0.1850	0.0527	0.0301	0.0316	0.0294	0.0948	0.0551	0.0193	0.0197	0.0313	0.2004	0.0210
ICSA	0.0396	0.0024	-0.0017	0.0046	-0.0048	0.0105	0.0003	0.0153	-0.0022	-0.0017	0.0214	0.0023
ICSAB	1.0363	0.6294	0.0520	0.0633	0.0464	0.9439	1.0103	1.0243	0.9788	0.0946	10.1941	0.4900
CCV	4.8153	0.4851	0.9827	0.9757	0.9862	4.7131	0.9939	0.4914	0.4857	0.4880	4.9182	0.4881
CCB	-0.0066	0.0008	0.0004	-0.0004	0.0008	-0.0137	0.0025	-0.0008	-0.0007	0.0025	-0.0271	0.0001
Z	4.7877	0.4860	0.9840	0.9832	0.9845	4.7651	0.9853	0.4893	0.4962	0.4949	4.9660	0.4893
CCV	4.8199	0.4909	0.9794	0.9737	0.9822	4.7709	0.9932	0.4921	0.4990	0.4851	4.9842	0.4907
CCB	0.0027	0.0001	0.0008	0.0036	-0.0005	-0.0110	-0.0011	-0.0006	-0.0003	-0.0055	-0.0170	-0.0001
Z	2.4751	-0.0022	0.0019	0.0064	-0.0003	13.4720	0.0003	0.3466	-0.0006	0.0017	-0.0277	0.0037
Z	2.4567	-0.0035	0.0000	0.0000	0.0000	13.6422	0.0021	0.3547	-0.0009	0.0019	-0.0170	0.0039
Z	0.4619	-0.0022	0.0010	0.0033	-0.0002	2.5577	0.0005	0.0668	-0.0009	0.0038	-0.0200	0.0007
Z	2.4267	0.5132	2.0484	2.0265	2.0594	14.1828	0.5014	0.8380	0.4950	1.9573	-0.0359	0.5162
Z	2.4636	0.5205	2.0667	2.0629	2.0685	14.3884	0.5128	0.8523	0.5031	1.9926	-0.0228	0.5237
Z	-0.0089	0.0006	0.0021	-0.0015	0.0039	-0.0051	-0.0023	-0.0010	-0.0013	-0.0111	-0.0135	0.0001
Z	-0.0089	0.4874	1.7858	1.7687	1.7943	0.9325	0.4962	0.5059	0.5089	1.9390	-0.0311	0.5251
Z	0.0050	0.4884	1.7782	1.7548	1.7899	0.9214	0.4996	0.5023	0.5074	1.9494	-0.0365	0.5224
Z	269.2074	0.0200	0.1915	0.2262	0.1742	3.7292	0.1612	1.2834	0.1019	-0.0715	0.0369	0.0060
Z	297.7827	0.0236	0.2116	0.2370	0.1990	7.4430	0.2104	1.4285	0.2412	-0.0937	0.0001	0.0131
Z	5.0294	0.5019	1.0289	1.0116	1.0375	4.9933	1.0250	0.5063	0.5088	0.4994	5.1076	0.5045
Z	0.0465	0.0003	0.0024	0.0068	0.0002	-0.0113	0.0037	-0.0007	-0.0005	0.0029	-0.0105	0.0001
CCV	4.8706	0.4948	0.9938	0.9857	0.9978	4.8059	0.9974	0.4929	0.4951	0.4906	4.9795	0.4929
CCB	0.0165	-0.0009	0.0001	-0.0058	0.0030	-0.0154	0.0009	-0.0008	-0.0008	-0.0011	-0.0271	-0.0005
1704509-11	2.4567	-0.0081	0.0025	0.0011	0.0032	13.5117	0.0011	0.3494	-0.0008	0.0022	-0.0355	0.0031
1704509-11D	2.4521	-0.0037	0.0033	0.0061	0.0019	13.6506	0.0001	0.3567	-0.0013	-0.0021	-0.0283	0.0035
1704509-11L 5X	0.4596	0.0015	0.0004	0.0031	-0.0009	2.5494	0.0025	0.0667	-0.0007	-0.0024	-0.0022	0.0012
1704509-11MS	2.4060	0.5120	2.0154	2.0148	2.0157	14.1079	0.5018	0.8370	0.4875	1.9503	-0.0270	0.5122
1704509-11MSD	2.4198	0.5223	2.0378	2.0366	2.0384	14.2875	0.5054	0.8545	0.4949	1.9949	-0.0525	0.5211
IP170519-2MB	-0.0042	0.0010	0.0022	-0.0003	0.0034	-0.0073	-0.0027	-0.0010	-0.0013	-0.0024	-0.0152	-0.0001
IP170519-2LCS	0.0050	0.4855	1.7649	1.7648	1.7649	0.9253	0.5022	0.5057	0.4995	1.9405	-0.0228	0.5206
IP170519-2LCSD	-0.0019	0.4799	1.7575	1.7257	1.7733	0.9071	0.4872	0.4984	0.4947	1.9292	-0.0293	0.5174
1705192-1	272.0778	0.0196	0.1921	0.2131	0.1816	3.7568	0.1666	1.2987	0.1021	-0.0794	0.0058	0.0062
1705192-2	300.5633	0.0250	0.2162	0.2387	0.2050	7.4402	0.2084	1.4359	0.2404	-0.0977	-0.0233	0.0127
CCV	4.8706	0.4976	0.9683	0.9781	0.9635	4.7610	0.9941	0.4935	0.4885	0.4934	4.9643	0.4894
CCB	0.0188	-0.0006	0.0013	-0.0020	0.0030	-0.0162	0.0009	-0.0007	-0.0005	0.0019	-0.0248	-0.0006
1705192-3	317.9827	0.0234	0.2722	0.3131	0.2518	7.9456	0.2468	1.7546	0.2419	-0.1164	0.0521	0.0121
1705192-4	298.2292	0.0169	0.2239	0.2463	0.2127	3.4860	0.2158	1.0592	0.0681	-0.1092	0.0076	0.0049
1705192-1 10X	44.3873	-0.0001	0.0178	0.0181	0.0177	0.4530	0.0153	0.1345	0.0100	-0.0079	-0.0131	0.0007
1705192-2 10X	56.3284	0.0017	0.0207	0.0205	0.0209	0.9463	0.0211	0.1573	0.0274	-0.0125	-0.0211	0.0015

Sample Id1	S	Sb	Se	Se I	Se II	Si	Sn	Sr	Ti	Tl	U	V
1705192-3 10X	64.4324	0.0006	0.0315	0.0387	0.0279	1.0332	0.0225	0.1925	0.0269	-0.0108	-0.0111	0.0018
1705192-4 10X	55.3799	-0.0160	0.0227	-0.0069	0.0375	0.4363	0.0101	0.1153	0.0075	-0.0255	-0.1530	-0.0053
Z	0.0027	-0.0033	0.0019	0.0033	0.0011	0.0018	0.0021	-0.0011	-0.0007	-0.0022	-0.0266	-0.0005
IP170519-3LCS	0.0211	0.5149	2.0417	2.0532	2.0360	1.0010	0.4976	0.4996	0.4897	1.9916	-0.0275	0.5149
IP170519-3MB	-0.0042	-0.0015	0.0011	0.0050	-0.0008	-0.0164	-0.0007	-0.0010	-0.0009	-0.0012	-0.0200	-0.0003
1705100-1	57.8911	-0.0039	0.0033	0.0005	0.0047	15.6997	-0.0007	0.5443	0.0003	0.0063	-0.0297	0.0096
CCV	4.7164	0.4842	0.9551	0.9667	0.9493	4.6567	0.9735	0.4883	0.4733	0.4841	4.8762	0.4794
CCB	0.0050	-0.0018	0.0005	0.0004	0.0005	-0.0160	0.0025	-0.0007	-0.0007	-0.0030	-0.0248	-0.0003
1705100-1D	58.0140	-0.0002	0.0012	0.0029	0.0003	15.5639	-0.0033	0.5351	0.0004	0.0012	-0.0178	0.0094
1705100-1L 5X	11.8365	-0.0014	0.0016	0.0014	0.0018	3.1104	0.0003	0.1070	-0.0005	-0.0015	-0.0230	0.0016
1705100-1MS	56.5879	0.4994	1.9917	1.9894	1.9928	15.8543	0.4912	0.9973	0.4744	1.9260	-0.0301	0.5064
1705100-1MSD	56.9277	0.4987	1.9923	1.9910	1.9929	15.9329	0.4924	0.9980	0.4733	1.9214	-0.0105	0.5059
1705100-2	60.4209	-0.0023	0.0066	0.0060	0.0069	15.4803	0.0011	0.5400	-0.0008	-0.0030	-0.0325	0.0096
1705100-8	18.9952	-0.0033	0.0032	0.0062	0.0017	9.6411	-0.0017	0.2966	-0.0010	-0.0019	-0.0366	0.0038
1705100-9	20.1141	-0.0014	0.0037	0.0041	0.0036	14.7928	0.0033	0.3299	-0.0008	-0.0009	0.0062	0.0044
1705100-10.	19.8219	-0.0031	0.0013	0.0083	-0.0022	14.5991	0.0003	0.3251	-0.0005	0.0042	0.0287	0.0051
IP170519-4MB	-0.0089	-0.0016	0.0004	0.0023	-0.0005	-0.0153	-0.0005	-0.0010	-0.0010	-0.0008	-0.0129	-0.0004
IP170519-4LCS	0.0119	0.5096	2.0246	2.0529	2.0106	0.9925	0.5034	0.4949	0.4815	1.9887	-0.0282	0.5114
CCV	4.7923	0.4925	0.9604	0.9727	0.9542	4.6916	0.9881	0.4904	0.4749	0.4913	4.8801	0.4845
CCB	0.0073	-0.0007	0.0024	0.0025	0.0024	-0.0151	0.0011	-0.0006	-0.0006	-0.0004	-0.0040	0.0001
1705100-7	19.1551	-0.0028	0.0025	0.0034	0.0020	9.6533	0.0045	0.2955	-0.0002	0.0019	-0.0287	0.0041
1705100-7D	19.2076	-0.0009	-0.0008	-0.0039	0.0008	9.7347	-0.0011	0.2970	0.0002	-0.0011	-0.0049	0.0050
1705100-7L 5X	3.7124	-0.0032	0.0000	-0.0004	0.0003	1.8878	0.0021	0.0573	-0.0007	-0.0025	-0.0005	0.0005
1705100-7MS	18.5840	0.4957	2.0000	2.0238	1.9880	10.2669	0.4952	0.7704	0.4773	1.9449	-0.0362	0.5069
1705100-7MSD	18.9724	0.5082	2.0246	2.0289	2.0225	10.5279	0.5032	0.7855	0.4843	1.9642	-0.0333	0.5144
1705202-2 10X	0.6511	-0.0016	-0.0021	-0.0037	-0.0013	1.0313	-0.0013	0.9500	-0.0001	0.0026	-0.0179	0.0008
1705203-2 10X	0.2035	-0.0002	-0.0008	-0.0004	-0.0010	0.8689	0.0009	0.4453	-0.0007	-0.0027	-0.0201	-0.0001
1705240-2	0.0419	-0.0037	0.0030	0.0023	0.0033	8.8853	-0.0025	0.4284	-0.0002	0.0063	-0.0228	-0.0005
1705242-2	0.0234	-0.0022	-0.0001	0.0026	-0.0014	8.8021	0.0003	0.4247	0.0003	0.0025	-0.0176	-0.0001
1705202-2 100X	0.0673	-0.0017	0.0006	0.0034	-0.0009	0.1058	0.0011	0.0976	-0.0004	0.0024	-0.0137	0.0000
CCV	4.8361	0.4936	0.9806	0.9876	0.9770	4.7198	0.9983	0.4929	0.4833	0.4909	4.9489	0.4903
CCB	0.0004	-0.0025	0.0032	0.0045	0.0026	-0.0138	0.0015	-0.0008	-0.0007	-0.0024	-0.0331	-0.0008
1705203-2 100X	0.0142	-0.0011	0.0017	0.0007	0.0021	0.0865	-0.0031	0.0469	-0.0008	-0.0015	-0.0255	-0.0005
1705240-2 10X	0.0050	0.0001	-0.0020	-0.0014	-0.0023	0.8686	0.0023	0.0427	-0.0005	0.0014	-0.0137	0.0004
1705242-2 10X	0.0050	-0.0015	0.0042	0.0030	0.0049	0.8733	-0.0033	0.0430	-0.0005	-0.0028	-0.0274	-0.0007
IP170520-3MB	0.0004	-0.0030	0.0027	0.0039	0.0022	0.0014	0.0005	-0.0011	-0.0005	0.0019	-0.0236	-0.0003
IP170520-3LCS	-0.0181	0.5352	2.1232	2.1579	2.1059	1.0661	0.5293	0.5103	0.5151	2.0012	-0.0169	0.5432
1705401-1	20.5363	-0.0059	0.0035	0.0026	0.0040	13.5453	0.0013	0.6445	0.0044	0.0068	-0.0209	0.0098
1705401-1D	20.1164	-0.0022	0.0011	0.0042	-0.0005	13.2801	0.0037	0.6332	0.0040	0.0040	-0.0137	0.0094
1705401-1L 5X	3.9059	-0.0012	0.0033	0.0057	0.0021	2.6204	-0.0015	0.1271	0.0001	-0.0012	-0.0177	0.0019
1705401-1MS	20.3538	0.5268	2.1571	2.1906	2.1404	15.6842	0.5222	1.1464	0.5037	2.0499	-0.0263	0.5445
1705401-1MSD	20.9471	0.5398	2.1945	2.2192	2.1821	15.9711	0.5315	1.1704	0.5112	2.1082	-0.0323	0.5518
CCV	4.8153	0.4836	0.9671	0.9730	0.9642	4.7334	0.9893	0.4921	0.4855	0.4953	4.9130	0.4883
CCB	-0.0042	0.0001	0.0000	0.0000	0.0001	-0.0105	0.0037	-0.0007	-0.0006	0.0060	-0.0147	0.0000

Sample Id1	S	Sb	Se	Se I	Se II	Si	Sn	Sr	Ti	Tl	U	V
1705401-2	1.7236	-0.0030	-0.0004	0.0018	-0.0016	9.0664	0.0013	0.0642	0.0102	0.0043	-0.0344	0.0095
1705401-3	22.4204	-0.0020	0.0003	0.0040	-0.0016	8.0668	0.0009	0.3816	-0.0007	0.0023	-0.0129	0.0053
1705401-4	23.3731	-0.0027	0.0045	0.0061	0.0038	7.6895	0.0025	0.3554	-0.0006	0.0028	-0.0224	0.0044
1705401-5	22.4272	-0.0011	0.0008	0.0096	-0.0036	7.5875	-0.0001	0.3516	-0.0008	0.0009	-0.0194	0.0048
1705401-6	19.9041	-0.0051	0.0026	0.0023	0.0027	11.5342	0.0061	0.4175	0.0016	0.0002	-0.0469	0.0076
1705401-7	13.0354	-0.0016	0.0010	0.0025	0.0002	12.8256	0.0045	0.3956	0.0040	0.0040	-0.0185	0.0091
1705402-1	0.2911	-0.0001	0.0001	-0.0016	0.0010	13.8787	0.0014	0.0477	0.0807	-0.0008	-0.0137	0.0124
CCV	4.8453	0.4871	0.9701	0.9737	0.9682	4.7287	0.9975	0.4872	0.4821	0.4897	4.8870	0.4878
CCB	0.0027	-0.0021	0.0000	-0.0030	0.0015	-0.0120	-0.0013	-0.0007	-0.0006	-0.0025	-0.0188	-0.0007
CRI	0.2011	0.1256	0.0090	0.0068	0.0101	0.0988	0.1025	0.0199	0.0201	0.0174	0.2020	0.1064
LCV	0.1919	0.0510	0.0327	0.0348	0.0316	0.0943	0.0515	0.0191	0.0197	0.0287	0.1915	0.0205
ICSA	0.0465	0.0049	0.0005	0.0085	-0.0035	0.0063	0.0059	0.0153	-0.0017	-0.0039	0.0323	0.0026
ICSAB	1.0156	0.6228	0.0531	0.0608	0.0493	0.9568	1.0182	1.0231	0.9904	0.0941	10.2132	0.4991
CCV	4.8130	0.4900	0.9768	0.9860	0.9721	4.7677	1.0044	0.4913	0.4896	0.4972	4.9570	0.4939
CCB	0.0096	-0.0007	0.0016	0.0054	-0.0003	-0.0107	-0.0009	-0.0007	-0.0004	-0.0009	-0.0099	0.0000

Sample Id1	Zn	Zr
MIXAHIGH	0.0106	0.0060
MIXBHIGH	10.3942	-0.0143
MIXCHIGH	-0.0290	4.9838
ICV	0.4932	0.5125
ICB	0.0010	0.0003
CRI	0.0426	0.0549
LIV	0.0213	0.0215
ICSA	0.0069	0.0020
ICSAB	0.9078	0.5000
CCV	0.9605	0.9994
CCB	-0.0003	0.0001
Z	0.9645	0.9977
CCV	0.9674	1.0025
CCB	0.0016	0.0005
Z	0.0023	-0.0024
Z	0.0001	-0.0028
Z	0.0010	-0.0008
Z	0.4897	-0.0030
Z	0.4953	-0.0036
Z	0.0009	0.0000
Z	0.4864	-0.0002
Z	0.4869	-0.0009
Z	9.5700	0.0043
Z	30.3119	0.0072
Z	0.9934	1.0275
Z	0.0010	0.0004
CCV	0.9697	1.0071
CCB	0.0008	0.0001
1704509-11	0.0018	-0.0030
1704509-11D	0.0002	-0.0029
1704509-11L 5X	0.0010	-0.0006
1704509-11MS	0.4828	-0.0029
1704509-11MSD	0.4872	-0.0039
IP170519-2MB	0.0007	0.0000
IP170519-2LCS	0.4790	0.0000
IP170519-2LCSD	0.4786	-0.0006
1705192-1	9.7642	0.0039
1705192-2	30.7698	0.0068
CCV	0.9611	1.0000
CCB	0.0015	-0.0001
1705192-3	7.2408	0.0087
1705192-4	8.2321	0.0025
1705192-1 10X	1.1496	0.0004
1705192-2 10X	3.9433	0.0006

Sample Id1	Zn	Zr
1705192-3 10X	0.9677	0.0005
1705192-4 10X	1.0244	-0.0036
Z	0.0001	-0.0006
IP170519-3LCS	0.4930	-0.0010
IP170519-3MB	-0.0005	-0.0003
1705100-1	0.0060	-0.0034
CCV	0.9347	0.9825
CCB	0.0012	0.0004
1705100-1D	0.0062	-0.0030
1705100-1L 5X	0.0030	-0.0006
1705100-1MS	0.4787	-0.0003
1705100-1MSD	0.4789	-0.0032
1705100-2	0.0014	-0.0034
1705100-8	0.0011	-0.0024
1705100-9	0.0018	-0.0032
1705100-10.	0.0034	-0.0026
IP170519-4MB	-0.0001	-0.0003
IP170519-4LCS	0.5018	-0.0009
CCV	0.9546	0.9897
CCB	0.0007	0.0005
1705100-7	0.0023	-0.0023
1705100-7D	0.0037	-0.0017
1705100-7L 5X	0.0012	-0.0004
1705100-7MS	0.4862	-0.0018
1705100-7MSD	0.4909	-0.0026
1705202-2 10X	0.0081	-0.0007
1705203-2 10X	-0.0017	-0.0003
1705240-2	0.0255	-0.0023
1705242-2	0.0329	-0.0019
1705202-2 100X	0.0073	0.0000
CCV	0.9742	0.9941
CCB	0.0001	0.0002
1705203-2 100X	0.0021	0.0000
1705240-2 10X	0.0051	0.0000
1705242-2 10X	0.0061	-0.0005
IP170520-3MB	0.0023	-0.0003
IP170520-3LCS	0.5357	0.0000
1705401-1	0.0033	-0.0027
1705401-1D	0.0044	-0.0023
1705401-1L 5X	0.0023	-0.0007
1705401-1MS	0.5256	-0.0026
1705401-1MSD	0.5340	-0.0025
CCV	0.9672	0.9936
CCB	0.0010	0.0006

Sample Id1	Zn	Zr
1705401-2	0.0109	-0.0008
1705401-3	0.0024	-0.0015
1705401-4	0.0013	-0.0016
1705401-5	0.0296	-0.0017
1705401-6	0.0053	-0.0029
1705401-7	0.0026	-0.0021
1705402-1	0.3667	-0.0018
CCV	0.9738	0.9910
CCB	0.0007	0.0003
CRI	0.0419	0.0551
LCV	0.0219	0.0213
ICSA	0.0052	0.0025
ICSAB	0.9451	0.5030
CCV	0.9901	1.0023
CCB	0.0004	0.0006

Method : Paragon2 File : 170522A Printed : 5/22/2017 13:21:48
SampleId1 : BLANK **SampleId2 :** **[STD]**
Analysis commenced : 5/22/2017 13:06:07
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE1

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	117.000	213.400	287.200	85.200	23.800	554.000	188.000	51.000	137.200
#2	117.600	214.400	291.000	84.000	24.000	551.400	191.600	51.000	141.000
Mean	**117.300**	**213.900**	**289.100**	**84.600**	**23.900**	**552.700**	**189.800**	**51.000**	**139.100**
%RSD	0.362	0.331	0.929	1.003	0.592	0.333	1.341	0.000	1.932

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	130.000	235.000	69.600	54.800	690.400	110.600	133.600	14.800	125.600
#2	132.400	237.200	70.200	55.600	696.800	112.400	134.000	15.000	125.600
Mean	**131.200**	**236.100**	**69.900**	**55.200**	**693.600**	**111.500**	**133.800**	**14.900**	**125.600**
%RSD	1.293	0.659	0.607	1.025	0.652	1.142	0.211	0.949	0.000

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	130.400	249.200	3.200	2515.800	763.800	11.600	202.600	634.000	446.200
#2	131.200	255.600	3.200	2536.800	767.800	11.600	205.000	643.800	443.000
Mean	**130.800**	**252.400**	**3.200**	**2526.300**	**765.800**	**11.600**	**203.800**	**638.900**	**444.600**
%RSD	0.432	1.793	0.000	0.588	0.369	0.000	0.833	1.085	0.509

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	350.800	126.800	39.200	219.200	340.800	181.800	156.400	28.400	275.200
#2	354.200	124.800	39.600	222.600	347.200	181.600	159.400	28.600	279.200
Mean	**352.500**	**125.800**	**39.400**	**220.900**	**344.000**	**181.700**	**157.900**	**28.500**	**277.200**
%RSD	0.682	1.124	0.718	1.088	1.316	0.078	1.343	0.496	1.020

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/22/2017 13:21:51 User: STEVE WORKMAN
Method : Paragon2 File : 170522A Printed : 5/22/2017 13:21:48
SampleId1 : RL SampleId2 : [STD]
Analysis commenced : 5/22/2017 13:07:15
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE2

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	124.200	249.200	295.200	200.800	32.800	663.400	197.000	181.600	157.800
#2	125.600	248.200	296.400	198.000	32.400	662.400	197.200	181.800	152.400
Mean	**124.900**	**248.700**	**295.800**	**199.400**	**32.600**	**662.900**	**197.100**	**181.700**	**155.100**
%RSD	0.793	0.284	0.287	0.993	0.868	0.107	0.072	0.078	2.462

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	138.400	256.000	73.200	132.400	861.600	351.400	215.800	19.200	158.800
#2	138.400	249.400	74.000	131.600	855.800	352.400	215.400	19.000	160.000
Mean	**138.400**	**252.700**	**73.600**	**132.000**	**858.700**	**351.900**	**215.600**	**19.100**	**159.400**
%RSD	0.000	1.847	0.769	0.429	0.478	0.201	0.131	0.740	0.532

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1004.400	294.800	3.400	2609.600	810.400	14.400	217.000	656.200	462.000
#2	1011.800	293.000	3.400	2563.800	810.600	14.000	214.000	665.000	469.400
Mean	**1008.100**	**293.900**	**3.400**	**2586.700**	**810.500**	**14.200**	**215.500**	**660.600**	**465.700**
%RSD	0.519	0.433	0.000	1.252	0.017	1.992	0.984	0.942	1.124

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	421.800	133.800	183.600	364.600	347.400	205.600	167.800	33.000	336.400
#2	421.000	131.000	184.000	362.200	358.600	202.600	170.400	33.200	333.000
Mean	**421.400**	**132.400**	**183.800**	**363.400**	**353.000**	**204.100**	**169.100**	**33.100**	**334.700**
%RSD	0.134	1.495	0.154	0.467	2.244	1.039	1.087	0.427	0.718

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/22/2017 13:21:51 User: STEVE WORKMAN
Method : Paragon2 File : 170522A Printed : 5/22/2017 13:21:48
SampleId1 : RL2 SampleId2 : [STD]
Analysis commenced : 5/22/2017 13:08:22
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE3

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	135.200	313.000	319.200	432.600	48.000	877.400	207.400	436.000	178.000
#2	136.000	313.400	316.200	438.800	48.400	881.200	207.200	437.200	180.000
Mean	**135.600**	**313.200**	**317.700**	**435.700**	**48.200**	**879.300**	**207.300**	**436.600**	**179.000**
%RSD	0.417	0.090	0.668	1.006	0.587	0.306	0.068	0.194	0.790

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	150.000	283.200	80.200	282.800	1194.200	854.800	376.800	27.400	221.600
#2	149.800	282.000	79.200	285.200	1190.600	860.800	377.600	27.000	220.000
Mean	**149.900**	**282.600**	**79.700**	**284.000**	**1192.400**	**857.800**	**377.200**	**27.200**	**220.800**
%RSD	0.094	0.300	0.887	0.598	0.213	0.495	0.150	1.040	0.512

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	2780.400	359.800	3.600	2695.800	861.400	19.000	235.600	676.200	488.400
#2	2798.800	363.000	3.600	2679.400	860.400	19.000	237.200	676.800	492.800
Mean	**2789.600**	**361.400**	**3.600**	**2687.600**	**860.900**	**19.000**	**236.400**	**676.500**	**490.600**
%RSD	0.466	0.626	0.000	0.431	0.082	0.000	0.479	0.063	0.634

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	552.000	144.000	469.800	641.000	374.000	247.400	188.400	41.000	448.800
#2	552.000	144.400	472.200	643.800	375.000	243.600	188.400	40.800	447.400
Mean	**552.000**	**144.200**	**471.000**	**642.400**	**374.500**	**245.500**	**188.400**	**40.900**	**448.100**
%RSD	0.000	0.196	0.360	0.308	0.189	1.095	0.000	0.346	0.221

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/22/2017 13:21:51 User: STEVE WORKMAN
Method : Paragon2 File : 170522A Printed : 5/22/2017 13:21:49
SampleId1 : B3 SampleId2 : [STD]
Analysis commenced : 5/22/2017 13:09:28
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE4

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	162.000	217.600	376.000	297.200	357.200	1406.400	189.000	52.600	626.000
#2	164.600	215.200	377.200	298.000	354.400	1405.200	191.600	53.000	630.000
Mean	**163.300**	**216.400**	**376.600**	**297.600**	**355.800**	**1405.800**	**190.300**	**52.800**	**628.000**
%RSD	1.126	0.784	0.225	0.190	0.556	0.060	0.966	0.536	0.450

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	250.400	774.000	198.400	56.400	703.800	114.000	136.000	182.600	412.200
#2	250.000	773.600	197.600	56.800	711.800	115.200	136.600	181.600	412.200
Mean	**250.200**	**773.800**	**198.000**	**56.600**	**707.800**	**114.600**	**136.300**	**182.100**	**412.200**
%RSD	0.113	0.037	0.286	0.500	0.799	0.740	0.311	0.388	0.000

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	134.200	844.200	4.400	3192.000	1164.000	11.600	229.400	723.800	553.000
#2	135.400	841.600	4.400	3195.600	1156.800	11.600	231.400	713.800	564.800
Mean	**134.800**	**842.900**	**4.400**	**3193.800**	**1160.400**	**11.600**	**230.400**	**718.800**	**558.900**
%RSD	0.629	0.218	0.000	0.080	0.439	0.000	0.614	0.984	1.493

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	944.000	175.200	1325.400	1486.400	431.400	183.800	345.400	98.000	288.800
#2	942.200	174.600	1316.000	1480.800	432.000	187.200	348.800	98.000	291.400
Mean	**943.100**	**174.900**	**1320.700**	**1483.600**	**431.700**	**185.500**	**347.100**	**98.000**	**290.100**
%RSD	0.135	0.243	0.503	0.267	0.098	1.296	0.693	0.000	0.634

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/22/2017 13:21:51 User: STEVE WORKMAN
Method : Paragon2 File : 170522A Printed : 5/22/2017 13:21:49
SampleId1 : B2 SampleId2 : [STD]
Analysis commenced : 5/22/2017 13:10:34
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE5

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	569.200	224.200	1179.600	2229.000	3317.000	9179.400	200.000	54.400	5006.800
#2	565.400	224.000	1164.200	2226.200	3330.200	9210.400	198.400	54.800	4992.400
Mean	**567.300**	**224.100**	**1171.900**	**2227.600**	**3323.600**	**9194.900**	**199.200**	**54.600**	**4999.600**
%RSD	0.474	0.063	0.929	0.089	0.281	0.238	0.568	0.518	0.204

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1326.200	5581.000	1361.000	61.200	712.400	115.600	139.200	1696.600	2968.600
#2	1326.400	5596.200	1358.600	60.000	713.200	116.600	138.600	1700.600	2962.200
Mean	**1326.300**	**5588.600**	**1359.800**	**60.600**	**712.800**	**116.100**	**138.900**	**1698.600**	**2965.400**
%RSD	0.011	0.192	0.125	1.400	0.079	0.609	0.305	0.167	0.153

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	139.200	6132.600	15.800	8935.800	4570.600	11.600	446.400	1378.200	1522.400
#2	139.000	6145.200	15.800	8946.400	4565.000	12.200	445.400	1370.400	1525.800
Mean	**139.100**	**6138.900**	**15.800**	**8941.100**	**4567.800**	**11.900**	**445.900**	**1374.300**	**1524.100**
%RSD	0.102	0.145	0.000	0.084	0.087	3.565	0.159	0.401	0.158

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	6244.200	628.400	12833.200	12831.600	1210.400	189.200	2024.600	735.600	303.400
#2	6256.800	629.000	12861.600	12853.600	1219.200	190.200	2025.400	735.200	301.800
Mean	**6250.500**	**628.700**	**12847.400**	**12842.600**	**1214.800**	**189.700**	**2025.000**	**735.400**	**302.600**
%RSD	0.143	0.067	0.156	0.121	0.512	0.373	0.028	0.038	0.374

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/22/2017 13:21:51 User: STEVE WORKMAN
Method : Paragon2 File : 170522A Printed : 5/22/2017 13:21:49
SampleId1 : B1 SampleId2 : [STD]
Analysis commenced : 5/22/2017 13:11:41
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE6

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	4648.800	308.200	9081.000	21535.200	32383.200	87043.600	275.400	70.000	47675.800
#2	4655.200	309.200	9083.000	21582.400	32529.800	87082.200	271.200	70.200	47701.600
Mean	**4652.000**	**308.700**	**9082.000**	**21558.800**	**32456.500**	**87062.900**	**273.300**	**70.100**	**47688.700**
%RSD	0.097	0.229	0.016	0.155	0.319	0.031	1.087	0.202	0.038

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	12137.000	54012.600	13186.000	98.000	716.000	124.800	156.200	16297.000	28281.000
#2	12134.800	54096.800	13261.000	97.200	711.800	124.400	156.600	16332.800	28350.800
Mean	**12135.900**	**54054.700**	**13223.500**	**97.600**	**713.900**	**124.600**	**156.400**	**16314.900**	**28315.900**
%RSD	0.013	0.110	0.401	0.580	0.416	0.227	0.181	0.155	0.174

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	171.200	59071.800	119.600	66938.200	38888.200	16.200	2615.600	7853.200	11180.200
#2	169.800	59081.200	120.600	67084.600	39022.400	16.000	2627.800	7866.400	11232.400
Mean	**170.500**	**59076.500**	**120.100**	**67011.400**	**38955.300**	**16.100**	**2621.700**	**7859.800**	**11206.300**
%RSD	0.581	0.011	0.589	0.154	0.244	0.878	0.329	0.119	0.329

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	57954.800	5178.800	120374.400	128102.600	9150.400	210.400	18935.800	6991.000	375.400
#2	58336.200	5185.600	120748.200	128472.600	9214.400	208.000	18971.200	6981.200	371.200
Mean	**58145.500**	**5182.200**	**120561.300**	**128287.600**	**9182.400**	**209.200**	**18953.500**	**6986.100**	**373.300**
%RSD	0.464	0.093	0.219	0.204	0.493	0.811	0.132	0.099	0.796

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/22/2017 13:21:51 User: STEVE WORKMAN
Method : Paragon2 File : 170522A Printed : 5/22/2017 13:21:49
SampleId1 : A5 SampleId2 : [STD]
Analysis commenced : 5/22/2017 13:12:47
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE7

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	121.800	1645.000	292.600	117.600	28.000	560.600	187.000	2846.400	149.000
#2	120.400	1651.800	290.800	112.800	27.000	555.600	189.200	2853.800	143.800
Mean	**121.100**	**1648.400**	**291.700**	**115.200**	**27.500**	**558.100**	**188.100**	**2850.100**	**146.400**
%RSD	0.817	0.292	0.436	2.946	2.571	0.633	0.827	0.184	2.512

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	134.400	250.400	72.200	2738.200	1475.400	2473.200	1829.800	16.800	142.400
#2	134.200	248.200	71.200	2751.200	1474.200	2491.200	1830.000	16.600	139.400
Mean	**134.300**	**249.300**	**71.700**	**2744.700**	**1474.800**	**2482.200**	**1829.900**	**16.700**	**140.900**
%RSD	0.105	0.624	0.986	0.335	0.058	0.513	0.008	0.847	1.506

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	2638.600	268.000	3.200	2601.400	810.800	11.600	212.800	674.800	464.200
#2	2653.600	267.200	3.200	2590.400	808.200	11.600	209.000	665.800	465.000
Mean	**2646.100**	**267.600**	**3.200**	**2595.900**	**809.500**	**11.600**	**210.900**	**670.300**	**464.600**
%RSD	0.401	0.211	0.000	0.300	0.227	0.000	1.274	0.949	0.122

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	443.400	127.600	52.000	255.800	344.800	192.800	167.200	30.000	286.200
#2	417.600	128.000	50.000	247.200	350.000	190.200	166.000	29.800	284.800
Mean	**430.500**	**127.800**	**51.000**	**251.500**	**347.400**	**191.500**	**166.600**	**29.900**	**285.500**
%RSD	4.238	0.221	2.773	2.418	1.058	0.960	0.509	0.473	0.347

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/22/2017 13:21:51 User: STEVE WORKMAN
Method : Paragon2 File : 170522A Printed : 5/22/2017 13:21:50
SampleId1 : A4 SampleId2 : [STD]
Analysis commenced : 5/22/2017 13:13:54
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE8

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	126.000	14699.400	325.800	111.800	26.600	569.400	194.400	27550.600	150.800
#2	125.200	14751.200	331.600	110.000	26.600	568.000	189.200	27489.600	151.200
Mean	**125.600**	**14725.300**	**328.700**	**110.900**	**26.600**	**568.700**	**191.800**	**27520.100**	**151.000**
%RSD	0.450	0.249	1.248	1.148	0.000	0.174	1.917	0.157	0.187

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	137.400	277.600	72.800	26022.000	10546.200	32077.000	16807.600	19.000	158.200
#2	136.800	274.800	72.800	26006.600	10601.600	32214.400	16817.800	19.000	157.200
Mean	**137.100**	**276.200**	**72.800**	**26014.300**	**10573.900**	**32145.700**	**16812.700**	**19.000**	**157.700**
%RSD	0.309	0.717	0.000	0.042	0.370	0.302	0.043	0.000	0.448

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	30148.600	269.200	3.400	2970.200	907.600	13.000	259.000	766.800	528.400
#2	30286.600	265.600	3.400	2951.800	916.600	13.200	258.600	765.400	535.400
Mean	**30217.600**	**267.400**	**3.400**	**2961.000**	**912.100**	**13.100**	**258.800**	**766.100**	**531.900**
%RSD	0.323	0.952	0.000	0.439	0.698	1.080	0.109	0.129	0.931

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	412.800	141.800	54.200	266.400	397.000	230.200	187.600	36.800	304.600
#2	412.000	142.400	54.600	263.800	391.400	229.800	186.000	36.200	302.000
Mean	**412.400**	**142.100**	**54.400**	**265.100**	**394.200**	**230.000**	**186.800**	**36.500**	**303.300**
%RSD	0.137	0.299	0.520	0.694	1.005	0.123	0.606	1.162	0.606

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/22/2017 13:21:52 User: STEVE WORKMAN
Method : Paragon2 File : 170522A Printed : 5/22/2017 13:21:50
SampleId1 : A3 SampleId2 : [STD]
Analysis commenced : 5/22/2017 13:15:00
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE9

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	128.200	28502.200	369.200	113.000	26.600	578.200	196.400	53198.800	154.200
#2	128.200	28575.800	363.400	114.400	26.800	575.800	195.600	53370.800	156.000
Mean	**128.200**	**28539.000**	**366.300**	**113.700**	**26.700**	**577.000**	**196.000**	**53284.800**	**155.100**
%RSD	0.000	0.182	1.120	0.871	0.530	0.294	0.289	0.228	0.821

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	140.600	290.800	72.800	49477.200	21109.800	69185.000	32691.400	21.800	181.600
#2	142.000	289.200	73.200	49646.600	21121.800	69164.200	32782.000	21.800	184.400
Mean	**141.300**	**290.000**	**73.000**	**49561.900**	**21115.800**	**69174.600**	**32736.700**	**21.800**	**183.000**
%RSD	0.701	0.390	0.387	0.242	0.040	0.021	0.196	0.000	1.082

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	59387.800	278.000	3.600	3368.800	1048.200	14.400	313.200	872.200	605.600
#2	59337.200	280.800	3.400	3383.400	1043.000	14.800	310.600	872.400	601.400
Mean	**59362.500**	**279.400**	**3.500**	**3376.100**	**1045.600**	**14.600**	**311.900**	**872.300**	**603.500**
%RSD	0.060	0.709	4.041	0.306	0.352	1.937	0.589	0.016	0.492

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	428.200	157.600	61.200	277.600	449.000	256.400	201.800	43.600	312.400
#2	431.200	159.200	61.000	277.000	440.600	256.800	201.800	44.000	313.600
Mean	**429.700**	**158.400**	**61.100**	**277.300**	**444.800**	**256.600**	**201.800**	**43.800**	**313.000**
%RSD	0.494	0.714	0.231	0.153	1.335	0.110	0.000	0.646	0.271

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/22/2017 13:21:52 User: STEVE WORKMAN
Method : Paragon2 File : 170522A Printed : 5/22/2017 13:21:50
SampleId1 : A2 SampleId2 : [STD]
Analysis commenced : 5/22/2017 13:16:07
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE10

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	132.200	54638.200	440.000	128.400	28.400	596.400	201.000	101047.400	166.600
#2	131.000	55253.000	438.600	127.200	28.200	595.600	201.800	101212.600	167.200
Mean	**131.600**	**54945.600**	**439.300**	**127.800**	**28.300**	**596.000**	**201.400**	**101130.000**	**166.900**
%RSD	0.645	0.791	0.225	0.664	0.500	0.095	0.281	0.116	0.254

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	150.400	313.400	75.400	91332.200	41100.400	144771.200	63281.800	27.600	235.000
#2	149.600	308.600	74.800	91538.800	41466.600	146314.600	63583.000	27.600	231.200
Mean	**150.000**	**311.000**	**75.100**	**91435.500**	**41283.500**	**145542.900**	**63432.400**	**27.600**	**233.100**
%RSD	0.377	1.091	0.565	0.160	0.627	0.750	0.336	0.000	1.153

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	109732.400	287.200	3.600	4186.400	1301.400	17.000	414.800	1094.200	759.600
#2	110735.000	285.000	3.400	4172.600	1302.800	17.200	415.600	1084.400	755.200
Mean	**110233.700**	**286.100**	**3.500**	**4179.500**	**1302.100**	**17.100**	**415.200**	**1089.300**	**757.400**
%RSD	0.643	0.544	4.041	0.233	0.076	0.827	0.136	0.636	0.411

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	467.200	190.000	78.400	295.400	541.200	300.000	226.400	57.000	330.400
#2	466.400	190.400	78.400	294.800	544.800	296.000	226.400	56.800	328.200
Mean	**466.800**	**190.200**	**78.400**	**295.100**	**543.000**	**298.000**	**226.400**	**56.900**	**329.300**
%RSD	0.121	0.149	0.000	0.144	0.469	0.949	0.000	0.249	0.472

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/22/2017 13:21:52 User: STEVE WORKMAN
Method : Paragon2 File : 170522A Printed : 5/22/2017 13:21:50
SampleId1 : A1 SampleId2 : [STD]
Analysis commenced : 5/22/2017 13:17:13
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE11

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	135.600	126514.400	656.800	176.400	32.400	648.400	223.400	227955.200	204.600
#2	138.600	126222.000	666.200	178.000	32.800	646.800	224.200	228609.600	202.800
Mean	**137.100**	**126368.200**	**661.500**	**177.200**	**32.600**	**647.600**	**223.800**	**228282.400**	**203.700**
%RSD	1.547	0.164	1.005	0.638	0.868	0.175	0.253	0.203	0.625

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	175.800	360.800	79.800	191335.600	93920.800	375442.000	151221.600	44.200	394.800
#2	177.400	363.400	79.800	192316.800	93555.600	373126.200	151426.600	44.200	392.000
Mean	**176.600**	**362.100**	**79.800**	**191826.200**	**93738.200**	**374284.100**	**151324.100**	**44.200**	**393.400**
%RSD	0.641	0.508	0.000	0.362	0.275	0.438	0.096	0.000	0.503

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	219932.800	322.800	4.000	6564.200	2073.200	25.800	731.200	1755.200	1199.600
#2	219477.000	325.000	4.000	6606.800	2087.200	24.800	733.400	1743.200	1208.600
Mean	**219704.900**	**323.900**	**4.000**	**6585.500**	**2080.200**	**25.300**	**732.300**	**1749.200**	**1204.100**
%RSD	0.147	0.480	0.000	0.457	0.476	2.795	0.212	0.485	0.529

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	537.400	280.400	125.000	342.800	852.200	422.800	292.000	100.800	364.400
#2	540.400	283.200	124.600	344.200	840.200	420.000	292.400	99.800	365.400
Mean	**538.900**	**281.800**	**124.800**	**343.500**	**846.200**	**421.400**	**292.200**	**100.300**	**364.900**
%RSD	0.394	0.703	0.227	0.288	1.003	0.470	0.097	0.705	0.194

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/22/2017 13:21:52 User: STEVE WORKMAN
Method : Paragon2 File : 170522A Printed : 5/22/2017 13:21:50
SampleId1 : C3 SampleId2 : [STD]
Analysis commenced : 5/22/2017 13:18:20
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE12

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	124.600	223.600	287.600	94.200	25.400	553.600	232.000	74.000	142.800
#2	121.000	223.400	288.000	91.000	24.800	553.800	228.800	71.800	138.600
Mean	**122.800**	**223.500**	**287.800**	**92.600**	**25.100**	**553.700**	**230.400**	**72.900**	**140.700**
%RSD	2.073	0.063	0.098	2.444	1.690	0.026	0.982	2.134	2.111

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	135.000	251.600	71.600	94.000	728.800	132.000	153.200	15.400	127.600
#2	132.000	246.600	71.400	88.400	714.200	128.800	151.400	15.400	129.200
Mean	**133.500**	**249.100**	**71.500**	**91.200**	**721.500**	**130.400**	**152.300**	**15.400**	**128.400**
%RSD	1.589	1.419	0.198	4.342	1.431	1.735	0.836	0.000	0.881

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	181.800	261.400	3.200	2575.400	800.800	32.800	205.800	643.600	454.200
#2	176.000	257.400	3.200	2546.200	793.000	32.800	205.600	643.200	450.600
Mean	**178.900**	**259.400**	**3.200**	**2560.800**	**796.900**	**32.800**	**205.700**	**643.400**	**452.400**
%RSD	2.292	1.090	0.000	0.806	0.692	0.000	0.069	0.044	0.563

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	361.000	126.000	41.200	233.000	339.200	275.200	165.000	33.800	753.600
#2	360.200	124.800	40.800	229.200	343.200	274.400	162.000	32.600	758.600
Mean	**360.600**	**125.400**	**41.000**	**231.100**	**341.200**	**274.800**	**163.500**	**33.200**	**756.100**
%RSD	0.157	0.677	0.690	1.163	0.829	0.206	1.297	2.556	0.468

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/22/2017 13:21:52 User: STEVE WORKMAN
Method : Paragon2 File : 170522A Printed : 5/22/2017 13:21:51
SampleId1 : C2 SampleId2 : [STD]
Analysis commenced : 5/22/2017 13:19:27
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE13

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	146.800	239.600	293.000	98.600	24.800	591.600	624.200	66.600	140.600
#2	146.800	240.800	290.000	100.000	24.800	590.000	625.200	66.400	143.200
Mean	**146.800**	**240.200**	**291.500**	**99.300**	**24.800**	**590.800**	**624.700**	**66.500**	**141.900**
%RSD	0.000	0.353	0.728	0.997	0.000	0.191	0.113	0.213	1.296

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	137.200	309.400	79.400	68.800	709.200	119.800	198.400	17.200	130.400
#2	136.600	310.800	79.400	69.200	710.000	120.400	198.600	17.200	129.200
Mean	**136.900**	**310.100**	**79.400**	**69.000**	**709.600**	**120.100**	**198.500**	**17.200**	**129.800**
%RSD	0.310	0.319	0.000	0.410	0.080	0.353	0.071	0.000	0.654

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	152.000	268.200	3.200	2616.200	804.400	224.200	206.800	651.400	452.800
#2	152.200	266.600	3.200	2630.600	815.600	224.200	206.800	665.600	466.000
Mean	**152.100**	**267.400**	**3.200**	**2623.400**	**810.000**	**224.200**	**206.800**	**658.500**	**459.400**
%RSD	0.093	0.423	0.000	0.388	0.978	0.000	0.000	1.525	2.032

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	402.600	127.200	42.800	260.000	345.400	1065.600	182.800	29.600	5153.600
#2	402.800	128.000	43.000	261.800	342.400	1065.600	183.200	29.600	5183.400
Mean	**402.700**	**127.600**	**42.900**	**260.900**	**343.900**	**1065.600**	**183.000**	**29.600**	**5168.500**
%RSD	0.035	0.443	0.330	0.488	0.617	0.000	0.155	0.000	0.408

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/22/2017 13:21:52 User: STEVE WORKMAN
Method : Paragon2 File : 170522A Printed : 5/22/2017 13:21:51
SampleId1 : C1 SampleId2 : [STD]
Analysis commenced : 5/22/2017 13:20:34
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE14

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	405.200	475.400	311.800	177.200	29.600	977.800	4648.800	154.400	168.200
#2	403.200	475.800	315.400	177.000	29.600	979.000	4660.000	154.000	171.000
Mean	**404.200**	**475.600**	**313.600**	**177.100**	**29.600**	**978.400**	**4654.400**	**154.200**	**169.600**
%RSD	0.350	0.059	0.812	0.080	0.000	0.087	0.170	0.183	1.167

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	178.800	968.200	168.000	155.000	714.400	126.200	765.400	37.800	138.400
#2	178.800	968.800	167.600	154.400	709.600	125.200	766.000	37.800	139.000
Mean	**178.800**	**968.500**	**167.800**	**154.700**	**712.000**	**125.700**	**765.700**	**37.800**	**138.700**
%RSD	0.000	0.044	0.169	0.274	0.477	0.563	0.055	0.000	0.306

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	154.400	345.600	3.400	3452.600	1128.000	2161.000	233.000	739.200	488.400
#2	152.800	349.800	3.400	3437.200	1152.000	2161.000	229.600	733.800	492.800
Mean	**153.600**	**347.700**	**3.400**	**3444.900**	**1140.000**	**2161.000**	**231.300**	**736.500**	**490.600**
%RSD	0.737	0.854	0.000	0.316	1.489	0.000	1.039	0.518	0.634

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	863.600	144.200	67.200	573.800	386.600	9237.200	391.000	33.800	50821.600
#2	861.800	145.000	67.000	573.800	387.800	9286.000	391.000	33.400	50951.200
Mean	**862.700**	**144.600**	**67.100**	**573.800**	**387.200**	**9261.600**	**391.000**	**33.600**	**50886.400**
%RSD	0.148	0.391	0.211	0.000	0.219	0.373	0.000	0.842	0.180

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	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	-0.0001902	0.0004676	0.0	0	1.0000	0.900	4344.200	5/22/2017 13:22:25
Al 308.215	Al	-0.2405297	0.003508	0.0	0	1.0000	53.000	122561.800	5/22/2017 13:22:25
As 189.042/2	As	0.0071082	0.0006147	0.0	0	1.0000	-11.300	8061.200	5/22/2017 13:22:25
B 249.678/2	B	-0.0053342	0.0005299	0.0	0	1.0000	2.150	18977.500	5/22/2017 13:22:26
Ba 493.409	Ba	-0.0004741	0.0003098	0.0	0	1.0000	0.000	31669.400	5/22/2017 13:22:26
Be 313.042	Be	-0.0066605	0.0000116	0.0	0	1.0000	552.700	87062.900	5/22/2017 13:22:26
Bi 223.061	Bi	-0.002499	0.0013498	0.0000000	0	1.0000	3.800	3836.800	5/22/2017 13:22:26
Ca 317.933	Ca	-0.1957809	0.0018634	0.0	0	1.0000	4.900	220414.100	5/22/2017 13:22:26
Cd 226.502/2	Cd	-0.0009645	0.0001201	0.0	0	1.0000	5.400	40655.500	5/22/2017 13:22:26
Co 228.616	Co	0.0004838	0.0004298	0.0	0	1.0000	-0.900	11724.400	5/22/2017 13:22:27
Cr 267.716	Cr	-0.0005699	0.0001901	0.0	0	1.0000	2.600	53005.600	5/22/2017 13:22:27
Cu 324.753	Cu	-0.0124339	0.0008366	0.0	0	1.0000	15.200	12248.000	5/22/2017 13:22:27
Fe 259.94	Fe	0.0187129	0.000736	0.0	0	1.0000	1.600	188624.000	5/22/2017 13:22:27
K 766.491	K	-1.046316	0.0023056	0.0	0	0.99997	693.600	93738.200	5/22/2017 13:22:27
Li 670.784	Li	0.0574879	0.0000267	0.0	0	0.99981	111.500	374284.100	5/22/2017 13:22:27
Mg 279.078	Mg	-0.112165	0.0031636	0.0	0	1.0000	0.300	147130.500	5/22/2017 13:22:28
Mn 257.610	Mn	-0.0003865	0.0006007	0.0	0	1.0000	0.600	16062.200	5/22/2017 13:22:28
Mo 202.030/2	Mo	-0.0011771	0.0003801	0.0	0	1.0000	-0.700	26093.100	5/22/2017 13:22:28
Na 588.995	Na	0.3825909	0.0004173	0.0	0	0.99994	130.800	219704.900	5/22/2017 13:22:28
Ni 231.604	Ni	-0.0017192	0.0002017	0.0	0	1.0000	5.600	49692.900	5/22/2017 13:22:28
P 178.287/2	P	0.0440659	0.3992097	0.0003311	0	1.0000	-0.100	114.300	5/22/2017 13:22:29
Pb 220.351	Pb I	-0.0041558	0.0001628	0.0	0	1.0000	20.700	62326.600	5/22/2017 13:22:29
Pb 220.352/2	Pb II	-0.0067709	0.0002838	0.0	0	1.0000	5.000	35772.900	5/22/2017 13:22:29
S 182.04/2	S	-0.0111725	0.0240794	-0.0000001	0	1.0000	0.500	2103.400	5/22/2017 13:22:29
Sb 206.838/2	Sb	-0.0053908	0.0010004	0.0	0	1.0000	6.200	2039.100	5/22/2017 13:22:29
Se 196.021	Se I	0.0027363	0.0007104	0.0	0	1.0000	-9.300	6996.900	5/22/2017 13:22:29
Se 196.021/2	Se II	-0.0017472	0.0004866	0.0	0	1.0000	-1.700	10321.200	5/22/2017 13:22:30
Si 288.158	Si	-0.1162673	0.0008612	0.0	0	1.0000	132.300	56987.900	5/22/2017 13:22:30
Sn 189.989	Sn	0.0021334	0.0020531	0.0	0	1.0000	-1.400	9709.750	5/22/2017 13:22:30
Sr 421.552	Sr	-0.0010806	0.0000878	0.0	0	1.0000	0.700	170730.050	5/22/2017 13:22:30

Ti 334.941	Ti	0.0001338	0.0000856	0.0	0	1.0000	-11.600	119137.500	5/22/2017 13:22:30
Tl 190.864/2	Tl	0.0095093	0.000641	0.0	0	1.0000	-16.200	7967.500	5/22/2017 13:22:31
U 385.958	U	-0.0182074	0.0059439	0.0000000	0	1.0000	2.700	8736.800	5/22/2017 13:22:31
V 292.402	V	-0.000574	0.0002757	0.0	0	1.0000	2.400	18329.400	5/22/2017 13:22:31
Zn 206.2	Zn	-0.0001899	0.0014679	0.0	0	1.0000	0.000	6691.600	5/22/2017 13:22:31
Zr 339.198	Zr	-0.0006691	0.0001056	0.0	0	1.0000	5.900	49277.100	5/22/2017 13:22:33

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:21
SampleId1 : MIXAHIGH **SampleId2 :** **[CV]**
Analysis commenced : 5/22/2017 13:23:41
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	0.00000	498.06513	-0.00088	-0.00364	0.00200	0.00086	0.00533	492.81812	-0.00002
#2	-0.00056	497.86860	-0.00531	-0.00459	0.00213	0.00087	-0.00250	493.49274	0.00037
Mean	**-0.00028**	**497.96686**	**-0.00310**	**-0.00412**	**0.00207**	**0.00087**	**0.00142**	**493.15543**	**0.00018**
%RSD	140.00823	0.02791	101.07473	16.38671	4.24080	1.10928	390.99547	0.09673	158.34074

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00101	-0.00071	-0.00947	196.31195	249.41939	10.02430	494.87743	-0.00976	0.00133
#2	0.00092	-0.00154	-0.00913	196.64069	248.76632	9.99828	495.93627	-0.01024	-0.00338
Mean	**0.00097**	**-0.00113**	**-0.00930**	**196.47632**	**249.09285**	**10.01129**	**495.40685**	**-0.01000**	**-0.00103**
%RSD	6.35578	51.99467	2.58699	0.11831	0.18539	0.18384	0.15113	3.39871	325.13994

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	148.99852	-0.00055	-0.03576	0.01291	-0.01080	0.14293	0.01283	0.01434	-0.01497
#2	148.58749	-0.00023	-0.03576	0.00414	-0.00603	0.14293	0.00399	0.00495	0.00114
Mean	**148.79300**	**-0.00039**	**-0.03576**	**0.00853**	**-0.00842**	**0.14293**	**0.00841**	**0.00965**	**-0.00691**
%RSD	0.19533	58.79399	0.00000	72.73819	40.01423	0.00000	74.33199	68.80056	164.68094

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00792	0.00542	0.00426	-0.00295	-0.01266	0.09951	0.00569	0.01182	0.00607
#2	-0.00812	-0.00567	0.00420	-0.00249	-0.01515	0.08847	0.00521	0.00943	0.00592
Mean	**-0.00802**	**-0.00012**	**0.00423**	**-0.00272**	**-0.01391**	**0.09399**	**0.00545**	**0.01062**	**0.00599**
%RSD	1.72826	6435.49763	0.88050	12.03150	12.66073	8.30145	6.12896	15.87658	1.74322

	Pb	**Se**
	calc	calc
#1	-0.00290	-0.00521
#2	-0.00265	0.00241
Mean	**-0.00277**	**-0.00140**
%RSD	6.50395	384.97609

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:22
SampleId1 : MIXBHIGH **SampleId2 :** **[CV]**
Analysis commenced : 5/22/2017 13:24:47
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	2.00184	0.01934	4.98927	9.99209	9.98256	0.98289	-0.00396	-0.13279	4.96302
#2	1.98641	0.00422	4.96668	9.90353	9.89365	0.98705	0.00084	-0.13317	4.93431
Mean	**1.99412**	**0.01178**	**4.97797**	**9.94781**	**9.93811**	**0.98497**	**-0.00156**	**-0.13298**	**4.94867**
%RSD	0.54725	90.73154	0.32085	0.62946	0.63259	0.29878	217.56745	0.19818	0.41022

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.96929	9.94381	10.01441	0.02813	0.60372	0.06143	-0.13304	9.92448	9.94779
#2	4.97338	9.96402	9.87721	0.02578	0.63746	0.06146	-0.12735	9.93930	9.95343
Mean	**4.97133**	**9.95392**	**9.94581**	**0.02696**	**0.62059**	**0.06144**	**-0.13020**	**9.93189**	**9.95061**
%RSD	0.05820	0.14352	0.97548	6.17863	3.84489	0.03686	3.09270	0.10550	0.04009

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.47211	9.98174	48.81475	9.97594	9.92052	0.00328	2.04422	4.99137	4.89489
#2	0.47052	9.96210	48.90941	9.98293	10.02444	-0.01117	2.03567	4.95478	5.03957
Mean	**0.47131**	**9.97192**	**48.86208**	**9.97944**	**9.97248**	**-0.00395**	**2.03994**	**4.97307**	**4.96723**
%RSD	0.23817	0.13930	0.13699	0.04950	0.73686	258.71553	0.29643	0.52024	2.05967

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.85809	9.94617	9.94187	9.89300	4.98672	-0.08838	4.99185	10.33898	-0.01446
#2	49.39191	9.96484	9.86947	9.85989	4.97389	-0.06103	4.97886	10.44937	-0.01408
Mean	**49.62500**	**9.95550**	**9.90567**	**9.87645**	**4.98031**	**-0.07470**	**4.98536**	**10.39417**	**-0.01427**
%RSD	0.66427	0.13260	0.51682	0.23705	0.18218	25.88449	0.18416	0.75095	1.89754

	Pb	Se
	calc	calc
#1	9.93898	4.92702
#2	10.01062	5.01134
Mean	**9.97480**	**4.96918**
%RSD	0.50786	1.19988

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:22
SampleId1 : MIXCHIGH SampleId2 : [CV]
Analysis commenced : 5/22/2017 13:25:54
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	-0.00512	0.33708	-0.00150	0.02328	0.00077	-0.00012	5.00381	-0.16336	-0.00163
#2	-0.00592	0.32443	-0.00420	0.02381	0.00070	-0.00012	5.01695	-0.16485	-0.00103
Mean	**-0.00552**	**0.33076**	**-0.00285**	**0.02354**	**0.00073**	**-0.00012**	**5.01038**	**-0.16410**	**-0.00133**
%RSD	10.18749	2.70407	67.09606	1.59139	5.96819	0.32466	0.18546	0.64238	31.79946

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00641	-0.00987	0.00398	0.02534	0.59262	0.06096	-0.12798	0.00418	0.00316
#2	0.00632	-0.01067	0.00370	0.02372	0.59262	0.06095	-0.14696	0.00406	0.00141
Mean	**0.00636**	**-0.01027**	**0.00384**	**0.02453**	**0.59262**	**0.06095**	**-0.13747**	**0.00412**	**0.00228**
%RSD	0.96132	5.49192	5.23354	4.66841	0.00000	0.01858	9.76335	2.06262	54.18211

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.44938	0.00026	0.04407	-0.01032	-0.01337	49.54456	0.00729	0.00641	0.00442
#2	0.44930	-0.00019	0.04407	-0.00419	-0.00918	49.62438	-0.00233	0.01302	-0.00094
Mean	**0.44934**	**0.00004**	**0.04407**	**-0.00726**	**-0.01128**	**49.58447**	**0.00248**	**0.00971**	**0.00174**
%RSD	0.01314	885.37728	0.00000	59.70316	26.26069	0.11384	273.95902	48.15761	218.05434

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.06928	0.02143	0.00113	0.00440	-0.00053	49.73122	-0.00885	-0.02851	4.97385
#2	0.05352	0.02553	0.00103	0.00462	0.00447	49.95593	-0.01062	-0.02943	4.99377
Mean	**0.06140**	**0.02348**	**0.00108**	**0.00451**	**0.00197**	**49.84358**	**-0.00974**	**-0.02897**	**4.98381**
%RSD	18.14899	12.36473	6.90653	3.49097	179.34946	0.31878	12.82691	2.23512	0.28256

	Pb	**Se**
	calc	calc
#1	-0.01236	0.00508
#2	-0.00752	0.00371
Mean	**-0.00994**	**0.00439**
%RSD	34.39221	22.04999

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:22
SampleId1 : ICV **SampleId2 :** **[CV]**
Analysis commenced : 5/22/2017 13:32:52
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	0.09670	25.50940	0.24313	0.50140	0.49975	0.25072	0.24835	25.46947	0.24418
#2	0.09650	25.30559	0.24485	0.49917	0.49863	0.25079	0.24576	25.39356	0.24351
Mean	**0.09660**	**25.40750**	**0.24399**	**0.50029**	**0.49919**	**0.25076**	**0.24705**	**25.43151**	**0.24385**
%RSD	0.14818	0.56723	0.49920	0.31438	0.15830	0.01930	0.74203	0.21105	0.19231

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.24012	0.49990	0.49050	10.00937	25.05567	0.24058	25.70189	0.49917	0.49256
#2	0.23892	0.49689	0.48698	9.99912	24.94615	0.23986	25.59727	0.49867	0.49454
Mean	**0.23952**	**0.49839**	**0.48874**	**10.00425**	**25.00091**	**0.24022**	**25.64958**	**0.49892**	**0.49355**
%RSD	0.35550	0.42714	0.50848	0.07239	0.30975	0.21194	0.28841	0.07063	0.28342

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

#1	25.38048	0.50830	2.37062	0.50765	0.49366	2.46589	0.24712	0.49937	0.49296
#2	25.22337	0.50373	2.45125	0.50476	0.50232	2.46589	0.24476	0.49654	0.50122
Mean	**25.30192**	**0.50602**	**2.41093**	**0.50620**	**0.49799**	**2.46589**	**0.24594**	**0.49795**	**0.49709**
%RSD	0.43907	0.63887	2.36462	0.40316	1.22932	0.00000	0.67789	0.40163	1.17561

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.43164	0.50606	0.25069	0.24698	0.25725	2.50965	0.24884	0.49281	0.51195
#2	2.40455	0.50686	0.24998	0.24706	0.25366	2.52624	0.24729	0.49356	0.51300
Mean	**2.41809**	**0.50646**	**0.25034**	**0.24702**	**0.25545**	**2.51795**	**0.24806**	**0.49318**	**0.51248**
%RSD	0.79240	0.11160	0.19899	0.02448	0.99282	0.46598	0.44126	0.10750	0.14524

	Pb	**Se**
	calc	calc
#1	0.49832	0.49509
#2	0.50313	0.49966
Mean	**0.50072**	**0.49738**
%RSD	0.67976	0.64978

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:22
SampleId1 : ICB **SampleId2 :** **[CB]**
Analysis commenced : 5/22/2017 13:37:55
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	-0.00037	-0.01168	-0.00015	-0.00046	-0.00016	-0.00012	-0.00146	0.02268	-0.00065
#2	-0.00084	-0.01946	-0.00027	-0.00173	-0.00016	-0.00013	-0.00198	0.02196	-0.00055
Mean	**-0.00061**	**-0.01557**	**-0.00021**	**-0.00110**	**-0.00016**	**-0.00013**	**-0.00172**	**0.02232**	**-0.00060**
%RSD	54.67708	35.34350	41.96197	82.09304	0.00000	6.52771	21.37829	2.28102	11.38279

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00040	0.00072	0.00012	0.00454	0.17599	0.00350	0.00823	0.00011	0.00019
#2	-0.00029	-0.00021	-0.00122	0.00499	0.16547	0.00351	0.01076	-0.00001	0.00004
Mean	**0.00006**	**0.00026**	**-0.00055**	**0.00476**	**0.17073**	**0.00350**	**0.00949**	**0.00005**	**0.00012**
%RSD	876.74562	256.21742	172.21407	6.73445	4.35843	0.24216	18.85621	183.01317	93.26530

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.07255	0.00188	-0.03576	-0.00007	-0.00039	-0.00656	0.00001	0.00940	-0.00223
#2	0.07304	-0.00003	0.04407	-0.00467	0.00075	-0.01117	-0.00199	0.00771	-0.00350
Mean	**0.07279**	**0.00093**	**0.00415**	**-0.00237**	**0.00018**	**-0.00886**	**-0.00099**	**0.00855**	**-0.00287**
%RSD	0.47634	145.32878	1359.65547	137.35078	447.63036	36.81974	142.45046	14.04439	31.21994

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01170	0.00213	-0.00080	-0.00070	0.00180	-0.00989	-0.00017	0.00102	0.00054

#2	-0.01446	0.00493	-0.00085	-0.00084	0.00615	-0.00395	-0.00046	0.00098	-0.00003
Mean	**-0.01308**	**0.00353**	**-0.00083**	**-0.00077**	**0.00398**	**-0.00692**	**-0.00032**	**0.00100**	**0.00025**
%RSD	14.91180	56.02199	4.50670	12.51980	77.30918	60.73945	64.33596	2.88879	159.95873

	Pb	**Se**
	calc	calc
#1	-0.00028	0.00164
#2	-0.00106	0.00023
Mean	**-0.00067**	**0.00094**
%RSD	81.59297	106.34825

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:22
SampleId1 : CRI SampleId2 : [CV]
Analysis commenced : 5/22/2017 13:38:58
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	0.01974	0.42879	0.01030	0.40766	0.42129	0.01038	0.05046	5.31409	0.00977
#2	0.01994	0.42312	0.01129	0.41094	0.42358	0.01037	0.04734	5.32170	0.01002
Mean	**0.01984**	**0.42596**	**0.01080**	**0.40930**	**0.42243**	**0.01038**	**0.04890**	**5.31789**	**0.00990**
%RSD	0.73523	0.94189	6.44190	0.56730	0.38440	0.03836	4.51853	0.10113	1.83515

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10278	0.02230	0.05237	0.21893	4.29939	0.01919	5.20662	0.03251	0.02064
#2	0.10201	0.02128	0.05188	0.21863	4.29838	0.01925	5.21105	0.03251	0.01973
Mean	**0.10240**	**0.02179**	**0.05212**	**0.21878**	**4.29889**	**0.01922**	**5.20883**	**0.03251**	**0.02019**
%RSD	0.53227	3.31705	0.66145	0.09787	0.01657	0.24280	0.06023	0.00000	3.19582

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.49969	0.08868	0.20380	0.01172	0.00427	0.22884	0.12614	0.02511	0.01268
#2	4.52107	0.08889	0.12392	0.00419	0.00737	0.22422	0.12614	0.01258	0.01054
Mean	**4.51038**	**0.08878**	**0.16386**	**0.00796**	**0.00582**	**0.22653**	**0.12614**	**0.01885**	**0.01161**
%RSD	0.33523	0.16861	34.47101	66.92428	37.64481	1.44065	0.00185	47.01866	13.03626

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09603	0.10170	0.01997	0.01992	0.02151	0.21096	0.10600	0.04366	0.05497
#2	0.09707	0.09930	0.02009	0.02025	0.01665	0.18363	0.10428	0.04156	0.05490
Mean	**0.09655**	**0.10050**	**0.02003**	**0.02008**	**0.01908**	**0.19730**	**0.10514**	**0.04261**	**0.05494**
%RSD	0.75833	1.68859	0.43390	1.14500	18.01165	9.79618	1.15340	3.48573	0.08172

	Pb	**Se**
	calc	calc
#1	0.00675	0.01682
#2	0.00631	0.01122

Mean	**0.00653**	**0.01402**	**ser: STEVE WORKMAN**
%RSD	4.75149	28.24637	

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:23
SampleId1 : LIV **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 13:40:05
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD7

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00913	0.18882	0.02666	0.09819	0.10371	0.00499	0.01480	1.04102	0.00414
#2	0.01042	0.18803	0.02862	0.09947	0.10303	0.00492	0.01818	1.03453	0.00473
Mean	**0.00978**	**0.18842**	**0.02764**	**0.09883**	**0.10337**	**0.00495**	**0.01649**	**1.03777**	**0.00444**
%RSD	9.31991	0.29533	5.03267	0.90975	0.46645	1.06872	14.51700	0.44205	9.33658

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01898	0.01119	0.01993	0.10724	0.92302	0.01690	1.03595	0.01029	0.01760
#2	0.02044	0.01041	0.01941	0.10648	0.93456	0.01681	1.03278	0.01029	0.02034
Mean	**0.01971**	**0.01080**	**0.01967**	**0.10686**	**0.92879**	**0.01686**	**1.03436**	**0.01029**	**0.01897**
%RSD	5.23901	5.10370	1.85777	0.50059	0.87832	0.37753	0.21634	0.00000	10.20224

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.87085	0.02161	0.12392	0.02082	0.01693	0.17807	0.05109	0.03191	0.02756
#2	0.86324	0.02144	0.12392	0.02176	0.01838	0.19192	0.05431	0.03137	0.03116
Mean	**0.86705**	**0.02153**	**0.12392**	**0.02129**	**0.01765**	**0.18499**	**0.05270**	**0.03164**	**0.02936**
%RSD	0.62070	0.55634	0.00000	3.13251	5.78562	5.29251	4.32755	1.20739	8.67152

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09327	0.05451	0.01939	0.01972	0.02877	0.18612	0.02032	0.02144	0.02144
#2	0.09638	0.05571	0.01925	0.01960	0.03376	0.21465	0.02158	0.02111	0.02150
Mean	**0.09482**	**0.05511**	**0.01932**	**0.01966**	**0.03127**	**0.20038**	**0.02095**	**0.02128**	**0.02147**
%RSD	2.31673	1.53980	0.51413	0.43103	11.27076	10.06498	4.23805	1.08973	0.20667

	Pb	**Se**
	calc	calc
#1	0.01823	0.02901
#2	0.01950	0.03123
Mean	**0.01886**	**0.03012**
%RSD	4.78862	5.21590

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:23
SampleId1 : ICSA **SampleId2 :** **[ICSAB]**
Analysis commenced : 5/22/2017 13:41:07
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD3

Final concentrations **6:44 User: STEVE WORKMAN**

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00153	261.22782	0.00330	-0.00025	0.00114	0.00046	0.00478	258.34489	0.00004
#2	-0.00067	262.90508	-0.00629	-0.00184	0.00120	0.00044	-0.00251	258.08588	-0.00034
Mean	**-0.00110**	**262.06645**	**-0.00150**	**-0.00104**	**0.00117**	**0.00045**	**0.00113**	**258.21539**	**-0.00015**
%RSD	54.85790	0.45256	452.64653	107.83255	3.75165	2.07393	454.10828	0.07093	182.83431

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00003	-0.00143	-0.00392	106.91933	0.13741	0.00489	267.22634	-0.00572	-0.00026
#2	-0.00140	-0.00134	-0.00307	107.12169	0.11987	0.00487	268.15907	-0.00610	-0.00239
Mean	**-0.00071**	**-0.00138**	**-0.00349**	**107.02051**	**0.12864**	**0.00488**	**267.69270**	**-0.00591**	**-0.00133**
%RSD	136.26686	4.62561	17.09747	0.13370	9.64046	0.26076	0.24638	4.45519	113.24274

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.11149	0.00078	0.12392	0.00127	-0.00229	0.04422	0.00201	0.00404	-0.00391
#2	0.11090	-0.00087	0.04407	-0.00493	0.00553	0.03499	0.00279	0.00517	-0.00573
Mean	**0.11119**	**-0.00005**	**0.08399**	**-0.00183**	**0.00162**	**0.03960**	**0.00240**	**0.00460**	**-0.00482**
%RSD	0.37434	2495.77255	67.22677	239.79858	342.26752	16.48339	22.95784	17.21817	26.74729

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01259	0.00814	0.01531	-0.00206	-0.00486	0.02922	0.00271	0.00797	0.00218
#2	0.00845	-0.00746	0.01537	-0.00243	0.00139	0.01356	0.00190	0.00592	0.00174
Mean	**0.01052**	**0.00034**	**0.01534**	**-0.00225**	**-0.00174**	**0.02139**	**0.00231**	**0.00694**	**0.00196**
%RSD	27.82091	3282.81848	0.24276	11.85853	254.72400	51.76684	24.73792	20.89259	15.98698

	Pb	Se
	calc	calc
#1	-0.00111	-0.00126
#2	0.00205	-0.00210
Mean	**0.00047**	**-0.00168**
%RSD	475.20703	35.44067

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:23
SampleId1 : ICSAB SampleId2 : [ICSAB]
Analysis commenced : 5/22/2017 13:42:15
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	0.20380	259.55140	0.09724	0.99496	0.53191	0.48834	0.44233	255.87516	0.98170
#2	0.20456	260.72328	0.10191	0.99792	0.53477	0.48806	0.44337	254.90143	0.97965
Mean	**0.20418**	**260.13734**	**0.09958**	**0.99644**	**0.53334**	**0.48820**	**0.44285**	**255.38829**	**0.98067**
%RSD	0.26171	0.31854	3.31855	0.21035	0.37869	0.04114	0.16608	0.26960	0.14769

ted: 5/22/2017 17:36:44 User: STEVE WORKMAN

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.46426	0.48672	0.52705	105.62859	0.12889	1.11385	264.47335	0.48073	0.97460
#2	0.46228	0.48609	0.52956	105.50422	0.10935	1.11994	264.73747	0.48160	0.98183
Mean	**0.46327**	**0.48641**	**0.52831**	**105.56641**	**0.11912**	**1.11689**	**264.60541**	**0.48116**	**0.97821**
%RSD	0.30160	0.09097	0.33656	0.08330	11.60068	0.38594	0.07058	0.12814	0.52291

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09717	0.98229	1.00408	0.05606	0.04749	1.04095	0.62913	0.06625	0.04229
#2	0.09687	0.97209	1.08425	0.04491	0.05217	1.03172	0.62959	0.06026	0.05045
Mean	**0.09702**	**0.97719**	**1.04416**	**0.05048**	**0.04983**	**1.03634**	**0.62936**	**0.06325**	**0.04637**
%RSD	0.21449	0.73810	5.42932	15.61217	6.63958	0.62954	0.05212	6.69524	12.44138

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.94274	1.01546	1.02277	0.97740	0.09540	10.20460	0.49018	0.91103	0.49943
#2	0.94500	1.00507	1.02590	0.98021	0.09374	10.18365	0.48986	0.90452	0.50062
Mean	**0.94387**	**1.01026**	**1.02433**	**0.97880**	**0.09457**	**10.19412**	**0.49002**	**0.90777**	**0.50002**
%RSD	0.16969	0.72709	0.21627	0.20329	1.23898	0.14534	0.04566	0.50687	0.16885

	Pb	Se
	calc	calc
#1	0.05034	0.05027
#2	0.04975	0.05372
Mean	**0.05005**	**0.05199**
%RSD	0.83490	4.68905

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:23
SampleId1 : CCV SampleId2 : [CV]
Analysis commenced : 5/22/2017 13:43:23
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	0.19155	50.41342	0.48031	0.98988	0.98173	0.48848	0.49747	50.29834	0.47935
#2	0.19325	50.26057	0.48080	0.98194	0.98086	0.48794	0.48816	50.23639	0.47852
Mean	**0.19240**	**50.33699**	**0.48055**	**0.98591**	**0.98129**	**0.48821**	**0.49282**	**50.26736**	**0.47893**
%RSD	0.62346	0.21471	0.07247	0.56947	0.06275	0.07843	1.33587	0.08714	0.12171

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.46936	0.97519	0.96452	19.78827	52.40672	0.51800	50.91271	0.97510	0.97711
#2	0.46670	0.97472	0.96153	19.76859	52.27132	0.51676	50.75519	0.97398	0.97490
Mean	**0.46803**	**0.97495**	**0.96302**	**19.77843**	**52.33902**	**0.51738**	**50.83395**	**0.97454**	**0.97601**
%RSD	0.40149	0.03392	0.21950	0.07037	0.18293	0.16974	0.21911	0.08162	0.15999

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	52.37794	0.98445	4.80085	1.00863	0.98112	4.81994	0.48950	0.96596	0.96857
#2	52.20146	0.97925	4.71946	1.00597	1.00231	4.81073	0.48076	0.98545	1.00374
Mean	**52.28970**	**0.98185**	**4.76015**	**1.00730**	**0.99172**	**4.81534**	**0.48513**	**0.97570**	**0.98616**
%RSD	0.23865	0.37492	1.20905	0.18652	1.51073	0.13521	1.27481	1.41237	2.52198

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.71566	0.99326	0.49198	0.48674	0.48946	4.92707	0.48880	0.96168	1.00019
#2	4.71048	0.99446	0.49081	0.48464	0.48648	4.90939	0.48748	0.95930	0.99869
Mean	**4.71307**	**0.99386**	**0.49140**	**0.48569**	**0.48797**	**4.91823**	**0.48814**	**0.96049**	**0.99944**
%RSD	0.07771	0.08543	0.16783	0.30597	0.43225	0.25427	0.19081	0.17500	0.10587

	Pb	Se
	calc	calc
#1	0.99028	0.96770
#2	1.00353	0.99765
Mean	**0.99691**	**0.98267**
%RSD	0.93965	2.15510

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:23
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 5/22/2017 13:44:31
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	-0.00120	-0.00641	0.00071	0.00102	0.00002	-0.00014	0.00191	0.02880	-0.00015
#2	-0.00027	-0.00844	0.00121	0.00018	0.00008	-0.00017	-0.00641	0.02808	-0.00028
Mean	**-0.00073**	**-0.00742**	**0.00096**	**0.00060**	**0.00005**	**-0.00015**	**-0.00225**	**0.02844**	**-0.00022**
%RSD	89.80600	19.27276	36.19286	99.87700	83.39011	15.32916	261.50913	1.79017	40.69996

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00098	-0.00011	-0.00037	0.00741	0.19253	0.00358	0.01076	-0.00001	0.00042
#2	0.00057	0.00033	-0.00021	0.00756	0.18101	0.00353	0.01582	0.00011	0.00027
Mean	**-0.00020**	**0.00011**	**-0.00029**	**0.00748**	**0.18677**	**0.00356**	**0.01329**	**0.00005**	**0.00034**
%RSD	540.51196	283.86685	40.12977	1.42853	4.36375	0.83540	26.93746	183.01317	31.31331

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.08098	0.00002	-0.03576	-0.00401	-0.00047	-0.02040	0.00021	0.00924	0.00137
#2	0.07882	0.00052	-0.03576	-0.00375	0.00182	0.00729	0.00141	-0.01008	0.00020
Mean	**0.07990**	**0.00027**	**-0.03576**	**-0.00388**	**0.00067**	**-0.00656**	**0.00081**	**-0.00042**	**0.00078**
%RSD	1.90951	132.68519	0.00000	4.69924	240.84663	298.67888	104.26040	3281.39701	105.25631

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01600	0.00053	-0.00080	-0.00101	0.00626	-0.03010	0.00006	-0.00049	0.00009
#2	-0.01135	0.00453	-0.00080	-0.00041	-0.00131	-0.02416	0.00023	-0.00018	0.00016
Mean	**-0.01367**	**0.00253**	**-0.00080**	**-0.00071**	**0.00248**	**-0.02713**	**0.00014**	**-0.00033**	**0.00013**
%RSD	24.01691	111.58764	0.00000	59.37329	216.11681	15.49115	85.52088	66.64172	35.27783

	Pb	**Se**
	calc	calc
#1	-0.00165	0.00399
#2	-0.00004	-0.00322
Mean	**-0.00084**	**0.00038**
%RSD	135.30343	1325.44246

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:24
SampleId1 : Z **SampleId2 :** **[CV]**
Analysis commenced : 5/22/2017 15:11:59
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	0.19200	50.75169	0.47895	0.97209	0.98639	0.49049	0.48073	50.02550	0.47260
#2	0.19098	50.74010	0.47292	0.96743	0.98689	0.49070	0.48743	50.03234	0.46712
Mean	**0.19149**	**50.74589**	**0.47594**	**0.96976**	**0.98664**	**0.49059**	**0.48408**	**50.02892**	**0.46986**
%RSD	0.37695	0.01615	0.89634	0.33966	0.03566	0.02946	0.97986	0.00967	0.82488

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.46857	0.97524	0.96633	19.76287	51.76240	0.51607	51.05481	0.97873	0.96279
#2	0.46883	0.97700	0.96284	19.77835	51.73257	0.51568	51.05031	0.97985	0.96820
Mean	**0.46870**	**0.97612**	**0.96458**	**19.77061**	**51.74748**	**0.51587**	**51.05256**	**0.97929**	**0.96550**
%RSD	0.03843	0.12808	0.25591	0.05535	0.04077	0.05346	0.00623	0.08123	0.39594

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	51.94234	0.95648	4.47544	1.00363	0.97988	4.81994	0.48481	0.98081	0.96973
#2	51.89760	0.95309	4.39415	1.00804	1.00038	4.75549	0.48723	0.98564	0.99918
Mean	**51.91997**	**0.95478**	**4.43480**	**1.00584**	**0.99013**	**4.78771**	**0.48602**	**0.98322**	**0.98445**
%RSD	0.06093	0.25076	1.29606	0.31016	1.46385	0.95194	0.35218	0.34714	2.11489

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.76636	0.98566	0.49007	0.49535	0.49727	4.97313	0.48913	0.96227	0.99706
#2	4.76379	0.98486	0.48860	0.49698	0.49245	4.95895	0.48943	0.96677	0.99837
Mean	**4.76508**	**0.98526**	**0.48934**	**0.49616**	**0.49486**	**4.96604**	**0.48928**	**0.96452**	**0.99771**
%RSD	0.03819	0.05747	0.21194	0.23132	0.68956	0.20190	0.04212	0.32963	0.09289

	Pb	**Se**
	calc	calc

#1	0.98779	0.97342	**ser: STEVE WORKMAN**
#2	1.00293	0.99467	
Mean	**0.99536**	**0.98404**	
%RSD	1.07563	1.52672	

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:24
SampleId1 : CCV **SampleId2 :** **[CV]**
Analysis commenced : 5/22/2017 15:14:34
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	0.19326	50.94439	0.48105	0.96955	0.99187	0.49217	0.48126	50.31962	0.47294
#2	0.19245	50.77693	0.46849	0.96849	0.99224	0.49283	0.48848	50.26109	0.46843
Mean	**0.19285**	**50.86066**	**0.47477**	**0.96902**	**0.99205**	**0.49250**	**0.48487**	**50.29036**	**0.47069**
%RSD	0.29933	0.23282	1.87044	0.07725	0.02660	0.09610	1.05191	0.08229	0.67825

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.47123	0.98073	0.96898	19.85575	51.98032	0.51829	51.26057	0.98410	0.96988
#2	0.47063	0.98048	0.96366	19.87359	51.83859	0.51686	51.21042	0.98423	0.97186
Mean	**0.47093**	**0.98060**	**0.96632**	**19.86467**	**51.90945**	**0.51758**	**51.23550**	**0.98417**	**0.97087**
%RSD	0.09025	0.01863	0.38886	0.06350	0.19307	0.19509	0.06922	0.00898	0.14419

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	52.16759	0.96206	4.71816	1.01092	0.98905	4.81994	0.49040	0.96774	0.96129
#2	51.92570	0.95457	4.63090	1.01024	1.00360	4.81994	0.49141	0.97967	1.00307
Mean	**52.04665**	**0.95832**	**4.67453**	**1.01058**	**0.99632**	**4.81994**	**0.49091**	**0.97370**	**0.98218**
%RSD	0.32862	0.55277	1.31995	0.04707	1.03277	0.00000	0.14560	0.86624	3.00826

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.77968	0.99205	0.49223	0.49877	0.48260	5.00018	0.49139	0.96458	1.00261
#2	4.76206	0.99444	0.49193	0.49915	0.48765	4.96830	0.49008	0.97016	1.00249
Mean	**4.77087**	**0.99325**	**0.49208**	**0.49896**	**0.48513**	**4.98424**	**0.49074**	**0.96737**	**1.00255**
%RSD	0.26123	0.17058	0.04317	0.05327	0.73682	0.45236	0.18844	0.40828	0.00857

	Pb	**Se**
	calc	calc
#1	0.99633	0.96344
#2	1.00581	0.99528
Mean	**1.00107**	**0.97936**
%RSD	0.66977	2.29909

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:24
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 5/22/2017 15:15:57

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	0.00104	-0.00904	-0.00334	-0.00205	0.00039	-0.00020	-0.00588	0.06264	0.00053
#2	-0.00028	-0.01035	-0.00113	-0.00237	0.00027	-0.00020	-0.00718	0.05940	-0.00031
Mean	**0.00038**	**-0.00970**	**-0.00224**	**-0.00221**	**0.00033**	**-0.00020**	**-0.00653**	**0.06102**	**0.00011**
%RSD	243.67831	9.52366	69.99071	10.18096	26.44405	1.11129	14.05386	3.75468	539.27300

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00057	0.00052	-0.00004	0.02631	0.19604	0.00364	0.04809	0.00073	0.00080
#2	-0.00020	0.00040	0.00029	0.02555	0.18952	0.00361	0.04366	0.00061	0.00050
Mean	**0.00018**	**0.00046**	**0.00012**	**0.02593**	**0.19278**	**0.00362**	**0.04587**	**0.00067**	**0.00065**
%RSD	297.07417	18.86363	189.91151	2.06170	2.38955	0.46828	6.82729	13.12774	33.21181

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09049	0.00146	0.04407	0.00124	0.00083	-0.00194	0.00001	0.00599	-0.00058
#2	0.08942	0.00078	0.04407	-0.00423	0.00350	0.00729	0.00021	0.00116	-0.00048
Mean	**0.08996**	**0.00112**	**0.04407**	**-0.00149**	**0.00217**	**0.00268**	**0.00011**	**0.00357**	**-0.00053**
%RSD	0.84814	42.86299	0.00000	258.80185	87.36149	244.02390	124.31032	95.53946	13.03572

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00963	0.00053	-0.00059	-0.00023	-0.00565	-0.01942	0.00023	0.00218	0.00062
#2	-0.01239	-0.00267	-0.00062	-0.00040	-0.00540	-0.01467	-0.00045	0.00100	0.00045
Mean	**-0.01101**	**-0.00107**	**-0.00061**	**-0.00031**	**-0.00552**	**-0.01705**	**-0.00011**	**0.00159**	**0.00054**
%RSD	17.71674	212.21193	4.09084	38.88766	3.21189	19.72915	441.54499	52.40162	22.19771

	Pb	Se
	calc	calc
#1	0.00097	0.00161
#2	0.00093	0.00007
Mean	**0.00095**	**0.00084**
%RSD	2.73375	130.14959

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:24
SampleId1 : Z **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 15:17:04
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	-0.00118	-0.03622	0.00637	0.01120	0.31499	-0.00029	-0.00875	73.98196	-0.00060
#2	0.00021	-0.02866	0.01055	0.01152	0.31617	-0.00035	-0.01109	74.08508	0.00006

Mean	**-0.00049**	**-0.03244**	**0.00846**	**0.01136**	**0.31558**	**-0.00032**	**-0.00992**	**74.03352**	**-0.00027**
%RSD	201.34365	16.47991	34.93709	1.97950	0.26412	14.42437	16.65407	0.09850	173.05660

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00019	-0.00015	-0.00003	0.01452	1.10964	0.01331	7.08063	0.00781	0.00050
#2	0.00007	0.00064	0.00046	0.01391	1.10562	0.01331	7.11171	0.00781	-0.00004
Mean	**-0.00006**	**0.00025**	**0.00021**	**0.01421**	**1.10763**	**0.01331**	**7.09617**	**0.00781**	**0.00023**
%RSD	298.57435	224.44622	164.24482	3.00909	0.25623	0.03187	0.30964	0.00000	164.09810

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.54433	-0.00104	0.13392	-0.00145	-0.00030	2.46589	-0.00219	0.00554	0.00195
#2	5.55207	0.00048	0.13392	0.00265	-0.00295	2.48433	-0.00219	0.00726	-0.00252
Mean	**5.54820**	**-0.00028**	**0.13392**	**0.00060**	**-0.00163**	**2.47511**	**-0.00219**	**0.00640**	**-0.00029**
%RSD	0.09872	385.40531	0.00000	481.15026	114.96046	0.52677	0.27719	18.98462	1110.60909

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	13.45372	0.00413	0.34632	-0.00055	0.00179	-0.03487	0.00349	0.00215	-0.00262
#2	13.49030	-0.00347	0.34697	-0.00067	0.00155	-0.02060	0.00383	0.00248	-0.00227
Mean	**13.47201**	**0.00033**	**0.34664**	**-0.00061**	**0.00167**	**-0.02773**	**0.00366**	**0.00232**	**-0.00244**
%RSD	0.19203	1608.27961	0.13311	13.87133	10.14710	36.37512	6.64535	10.02351	10.20056

	Pb	**Se**
	calc	calc
#1	-0.00068	0.00315
#2	-0.00109	0.00074
Mean	**-0.00089**	**0.00194**
%RSD	32.02767	87.88833

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:24
SampleId1 : Z **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 15:18:06
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	0.00011	-0.03919	0.00834	0.01173	0.32045	-0.00040	0.00270	74.90305	-0.00069
#2	-0.00100	-0.04393	0.00280	0.01120	0.32454	-0.00037	-0.00303	74.98172	-0.00022
Mean	**-0.00045**	**-0.04156**	**0.00557**	**0.01146**	**0.32250**	**-0.00039**	**-0.00017**	**74.94238**	**-0.00045**
%RSD	175.03746	8.06264	70.21977	3.26867	0.89782	5.01935	2441.09479	0.07423	73.83185

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00036	0.00028	-0.00005	0.01497	1.09509	0.01334	7.15546	0.00123	-0.00103
#2	-0.00129	-0.00047	0.00013	0.01376	1.09107	0.01341	7.22522	0.00135	-0.00026
Mean	**-0.00082**	**-0.00010**	**0.00004**	**0.01436**	**1.09308**	**0.01337**	**7.19034**	**0.00129**	**-0.00064**

%RSD	80.49646	539.25012	311.03825	5.95484	0.25964	0.38068	0.68603	6.80806	83.34917

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.60114	0.00091	0.13392	-0.00131	0.00032	2.46589	-0.00320	-0.00196	-0.00252
#2	5.68787	-0.00053	0.13392	-0.00448	0.00275	2.44745	-0.00379	0.00200	0.00244
Mean	**5.64451**	**0.00019**	**0.13392**	**-0.00290**	**0.00153**	**2.45667**	**-0.00350**	**0.00002**	**-0.00004**
%RSD	1.08644	547.01661	0.00000	77.35696	112.22346	0.53073	11.92356	14106.46048	8378.86141

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	13.56191	0.00333	0.35323	-0.00069	0.00268	-0.00871	0.00394	-0.00018	-0.00260
#2	13.72243	0.00093	0.35620	-0.00101	0.00105	-0.02535	0.00383	0.00038	-0.00292
Mean	**13.64217**	**0.00213**	**0.35471**	**-0.00085**	**0.00187**	**-0.01703**	**0.00389**	**0.00010**	**-0.00276**
%RSD	0.83201	79.49604	0.59070	27.04136	61.58957	69.08380	2.10373	394.25952	8.34305

	Pb	Se
	calc	calc
#1	-0.00023	-0.00234
#2	0.00034	0.00229
Mean	**0.00006**	**-0.00002**
%RSD	705.91625	15351.23418

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:25
SampleId1 : Z **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 15:19:20
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	-0.00016	-0.04470	0.00280	-0.00078	0.06063	-0.00044	-0.00433	14.05925	-0.00063
#2	0.00038	-0.04777	0.00256	-0.00088	0.06094	-0.00050	-0.00120	14.06913	-0.00086
Mean	**0.00011**	**-0.04623**	**0.00268**	**-0.00083**	**0.06078**	**-0.00047**	**-0.00277**	**14.06419**	**-0.00074**
%RSD	357.04880	4.70268	6.48282	9.02362	0.36050	8.31189	79.91800	0.04965	22.63620

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00029	-0.00099	-0.00104	0.00227	0.30129	0.00497	1.36446	0.00135	0.00065
#2	-0.00055	0.00032	0.00012	0.00257	0.29627	0.00497	1.36826	0.00148	-0.00110
Mean	**-0.00042**	**-0.00034**	**-0.00046**	**0.00242**	**0.29878**	**0.00497**	**1.36636**	**0.00141**	**-0.00023**
%RSD	43.55322	274.43225	178.07439	8.83890	1.18617	0.08535	0.19655	6.21015	545.08448

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.07974	-0.00011	0.04407	-0.00522	0.00122	0.46882	-0.00298	0.00185	0.00108
#2	1.07727	-0.00062	0.04407	-0.00253	-0.00018	0.45497	-0.00140	0.00472	-0.00145
Mean	**1.07850**	**-0.00036**	**0.04407**	**-0.00387**	**0.00052**	**0.46189**	**-0.00219**	**0.00328**	**-0.00019**
%RSD	0.16219	98.60928	0.00000	49.15350	189.44727	2.11937	50.91644	61.65116	944.92596

ted: 5/22/2017 17:36:44 User: STEVE WORKMAN

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.55666	-0.00107	0.06679	-0.00084	0.00241	-0.03129	0.00023	0.00065	-0.00114
#2	2.55872	0.00213	0.06689	-0.00091	0.00528	-0.00870	0.00120	0.00129	-0.00051
Mean	**2.55769**	**0.00053**	**0.06684**	**-0.00088**	**0.00385**	**-0.01999**	**0.00071**	**0.00097**	**-0.00083**
%RSD	0.05684	423.38202	0.11151	5.52608	52.74965	79.88285	96.68491	47.00658	54.11960

	Pb	Se
	calc	calc
#1	-0.00092	0.00133
#2	-0.00096	0.00060
Mean	**-0.00094**	**0.00097**
%RSD	2.84125	53.66564

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:25
SampleId1 : Z SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 15:20:39
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	0.09984	1.97610	0.97169	1.00131	1.30420	0.04834	-0.00254	112.60669	0.04773
#2	0.10039	1.95806	0.97909	1.00692	1.30519	0.04842	-0.00306	112.80321	0.04842
Mean	**0.10012**	**1.96708**	**0.97539**	**1.00412**	**1.30469**	**0.04838**	**-0.00280**	**112.70495**	**0.04808**
%RSD	0.39301	0.64862	0.53636	0.39512	0.05401	0.11075	13.10977	0.12330	1.01369

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.47760	0.19937	0.25096	1.03377	43.88292	0.51739	46.91084	0.50402	0.94460
#2	0.47863	0.20001	0.24979	1.03621	43.72769	0.51569	46.87231	0.50539	0.94970
Mean	**0.47811**	**0.19969**	**0.25037**	**1.03499**	**43.80531**	**0.51654**	**46.89157**	**0.50471**	**0.94715**
%RSD	0.15230	0.22555	0.33109	0.16631	0.25057	0.23244	0.05810	0.19200	0.38087

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	47.10299	0.48494	11.20193	0.50705	0.50366	2.41519	0.51475	2.02182	2.04752
#2	46.87849	0.48396	11.01584	0.50885	0.50722	2.43823	0.51162	2.03110	2.07119
Mean	**46.99074**	**0.48445**	**11.10888**	**0.50795**	**0.50544**	**2.42671**	**0.51318**	**2.02646**	**2.05935**
%RSD	0.33783	0.14211	1.18454	0.25134	0.49705	0.67161	0.43125	0.32382	0.81263

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	14.18539	0.50098	0.83761	0.49464	1.95532	-0.03830	0.51484	0.48958	-0.00310
#2	14.18017	0.50178	0.83844	0.49535	1.95922	-0.03355	0.51747	0.48991	-0.00298
Mean	**14.18278**	**0.50138**	**0.83802**	**0.49499**	**1.95727**	**-0.03592**	**0.51616**	**0.48975**	**-0.00304**
%RSD	0.02598	0.11263	0.07041	0.10251	0.14103	9.35555	0.35956	0.04651	2.96903

	Pb	Seser: STEVE WORKMAN
	calc	calc
#1	0.50479	2.03896
#2	0.50776	2.05784
Mean	**0.50628**	**2.04840**
%RSD	0.41496	0.65160

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:25
SampleId1 : Z **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 15:21:41
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	0.10188	2.01033	0.98834	1.01804	1.32724	0.04903	-0.00172	113.59046	0.04852
#2	0.10039	2.01214	0.98526	1.01941	1.33166	0.04912	-0.00536	113.97015	0.04770
Mean	**0.10114**	**2.01124**	**0.98680**	**1.01873**	**1.32945**	**0.04907**	**-0.00354**	**113.78030**	**0.04811**
%RSD	1.03700	0.06351	0.22091	0.09553	0.23521	0.12131	72.60741	0.23597	1.20216

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48259	0.20327	0.25613	1.01080	44.51943	0.52572	47.48627	0.51075	0.96005
#2	0.48277	0.20240	0.25564	1.01308	44.61561	0.52720	47.59096	0.51274	0.95739
Mean	**0.48268**	**0.20284**	**0.25588**	**1.01194**	**44.56752**	**0.52646**	**47.53861**	**0.51175**	**0.95872**
%RSD	0.02544	0.30405	0.13683	0.15944	0.15259	0.19825	0.15572	0.27544	0.19656

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	47.69249	0.49082	10.55106	0.51593	0.51345	2.45206	0.51626	2.05652	2.04451
#2	47.75546	0.48989	10.55106	0.51621	0.51959	2.47511	0.52476	2.06935	2.09252
Mean	**47.72398**	**0.49035**	**10.55106**	**0.51607**	**0.51652**	**2.46359**	**0.52051**	**2.06293**	**2.06851**
%RSD	0.09331	0.13430	0.00000	0.03805	0.84021	0.66154	1.15549	0.43985	1.64125

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	14.36396	0.51376	0.85064	0.50208	2.00139	-0.01688	0.52231	0.49623	-0.00326
#2	14.41294	0.51176	0.85393	0.50407	1.98384	-0.02877	0.52505	0.49442	-0.00391
Mean	**14.38845**	**0.51276**	**0.85228**	**0.50308**	**1.99261**	**-0.02282**	**0.52368**	**0.49533**	**-0.00358**
%RSD	0.24070	0.27592	0.27258	0.27857	0.62271	36.84154	0.36949	0.25738	12.67460

	Pb	Se
	calc	calc
#1	0.51428	2.04851
#2	0.51846	2.08480
Mean	**0.51637**	**2.06666**
%RSD	0.57324	1.24190

SampleId1 : Z **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 15:22:44
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	-0.00046	-0.03770	-0.00064	0.00007	-0.00029	-0.00053	-0.00407	0.03528	0.00048
#2	0.00019	-0.04720	0.00121	-0.00173	-0.00029	-0.00059	-0.00459	0.03420	-0.00049
Mean	**-0.00013**	**-0.04245**	**0.00028**	**-0.00083**	**-0.00029**	**-0.00056**	**-0.00433**	**0.03474**	**-0.00001**
%RSD	346.05793	15.82323	458.18899	153.40145	0.00000	8.15615	8.52182	2.19830	11819.06324

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00055	0.00060	0.00012	0.00907	0.10183	0.00337	0.00380	0.00023	0.00065
#2	-0.00123	0.00076	0.00012	0.00786	0.10384	0.00338	0.00063	-0.00001	0.00080
Mean	**-0.00089**	**0.00068**	**0.00012**	**0.00847**	**0.10283**	**0.00338**	**0.00221**	**0.00011**	**0.00072**
%RSD	54.68564	16.98527	1.43785	10.10178	1.37821	0.25119	101.01527	159.55126	14.86092

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10482	0.00086	0.04407	-0.00150	0.00361	-0.02040	-0.00019	0.00074	0.00487
#2	0.10256	0.00116	0.04407	-0.00278	0.00350	0.00268	0.00141	-0.00367	0.00302
Mean	**0.10369**	**0.00101**	**0.04407**	**-0.00214**	**0.00355**	**-0.00886**	**0.00061**	**-0.00147**	**0.00395**
%RSD	1.53871	20.71453	0.00000	42.22956	2.06814	184.09796	184.87726	212.31590	33.12427

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00325	-0.00147	-0.00101	-0.00132	-0.01012	-0.01108	0.00011	0.00072	-0.00010
#2	-0.00687	-0.00306	-0.00098	-0.00136	-0.01199	-0.01584	0.00011	0.00102	0.00018
Mean	**-0.00506**	**-0.00227**	**-0.00099**	**-0.00134**	**-0.01105**	**-0.01346**	**0.00011**	**0.00087**	**0.00004**
%RSD	50.53346	49.94891	2.49991	1.80885	11.94017	24.97180	0.04102	24.51343	496.78410

	Pb	Se
	calc	calc
#1	0.00191	0.00349
#2	0.00141	0.00079
Mean	**0.00166**	**0.00214**
%RSD	21.12766	89.10261

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:25
SampleId1 : Z **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 15:23:45
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	-0.00027	1.98402	0.92028	0.92953	1.01843	0.04964	-0.00612	38.70755	0.04663
#2	0.00040	1.98588	0.91313	0.92794	1.01551	0.04973	-0.00613	38.85552	0.04616
Mean	**0.00007**	**1.98495**	**0.91670**	**0.92874**	**1.01697**	**0.04968**	**-0.00612**	**38.78154**	**0.04639**
%RSD	711.11562	0.06592	0.55157	0.12091	0.20330	0.13202	0.02403	0.26979	0.72362

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48026	0.20272	0.25998	0.99331	36.84091	0.49350	38.67156	0.51175	0.96957
#2	0.48163	0.20349	0.25798	0.99483	36.80529	0.49357	38.76059	0.51274	0.96097
Mean	**0.48094**	**0.20310**	**0.25898**	**0.99407**	**36.82310**	**0.49353**	**38.71607**	**0.51225**	**0.96527**
%RSD	0.20076	0.26744	0.54586	0.10819	0.06840	0.00946	0.16261	0.13759	0.63031

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	38.28620	0.49497	0.04407	0.50062	0.49833	-0.01579	0.48739	1.77902	1.78237
#2	38.36131	0.49209	-0.04576	0.50577	0.50156	-0.00194	0.48731	1.75847	1.80614
Mean	**38.32375**	**0.49353**	**-0.00085**	**0.50320**	**0.49995**	**-0.00886**	**0.48735**	**1.76875**	**1.79425**
%RSD	0.13858	0.41243	7486.77926	0.72425	0.45721	110.45906	0.01177	0.82152	0.93694

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.93080	0.49896	0.50654	0.50806	1.93936	-0.02518	0.52419	0.48709	-0.00003
#2	0.93420	0.49337	0.50523	0.50977	1.93862	-0.03707	0.52607	0.48565	-0.00035
Mean	**0.93250**	**0.49617**	**0.50589**	**0.50892**	**1.93899**	**-0.03112**	**0.52513**	**0.48637**	**-0.00019**
%RSD	0.25752	0.79780	0.18282	0.23738	0.02689	27.01179	0.25358	0.20887	117.99989

	Pb	**Se**
	calc	calc
#1	0.49909	1.78125
#2	0.50296	1.79027
Mean	**0.50103**	**1.78576**
%RSD	0.54652	0.35695

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:26
SampleId1 : Z **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 15:24:47
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	-0.00101	1.97168	0.91177	0.92223	1.01084	0.04979	-0.00822	38.88256	0.04718
#2	-0.00016	1.96486	0.90795	0.92064	1.00729	0.04967	-0.00614	38.91637	0.04615
Mean	**-0.00058**	**1.96827**	**0.90986**	**0.92143**	**1.00907**	**0.04973**	**-0.00718**	**38.89946**	**0.04666**
%RSD	103.13980	0.24523	0.29702	0.12187	0.24848	0.17151	20.48287	0.06145	1.55883

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.47982	0.20180	0.25614	0.99437	36.59319	0.49084	38.73817	0.51100	0.96523

#2	0.48119	0.20301	0.25481	0.99559	36.48166	0.48951	38.71767	0.51075	0.96752
Mean	**0.48051**	**0.20241**	**0.25547**	**0.99498**	**36.53743**	**0.49018**	**38.72792**	**0.51088**	**0.96637**
%RSD	0.20090	0.42183	0.36851	0.08648	0.21584	0.19215	0.03742	0.03449	0.16715

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	38.07537	0.48942	0.04407	0.49869	0.49587	-0.00656	0.48418	1.76161	1.76956
#2	38.06601	0.48955	-0.04576	0.49863	0.50113	0.01652	0.49253	1.74791	1.81031
Mean	**38.07069**	**0.48949**	**-0.00085**	**0.49866**	**0.49850**	**0.00498**	**0.48835**	**1.75476**	**1.78993**
%RSD	0.01738	0.01835	7486.77926	0.00866	0.74699	327.50573	1.20853	0.55214	1.61005

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.92096	0.50216	0.50331	0.50671	1.94593	-0.03112	0.52151	0.48646	-0.00083
#2	0.92183	0.49697	0.50128	0.50813	1.95287	-0.04183	0.52328	0.48739	-0.00087
Mean	**0.92140**	**0.49956**	**0.50229**	**0.50742**	**1.94940**	**-0.03647**	**0.52239**	**0.48692**	**-0.00085**
%RSD	0.06655	0.73574	0.28613	0.19761	0.25178	20.74428	0.23955	0.13584	3.51618

	Pb	**Se**
	calc	calc
#1	0.49681	1.76691
#2	0.50030	1.78953
Mean	**0.49856**	**1.77822**
%RSD	0.49530	0.89954

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:26
SampleId1 : Z **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 15:30:57
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	-0.00081	2.54679	-0.00752	0.09279	0.79706	-0.00008	-0.01584	1504.60135	0.00709
#2	-0.00125	2.55250	-0.01527	0.09152	0.80197	-0.00010	-0.01948	1503.06981	0.00749
Mean	**-0.00103**	**2.54965**	**-0.01139**	**0.09215**	**0.79951**	**-0.00009**	**-0.01766**	**1503.83558**	**0.00729**
%RSD	30.54249	0.15826	48.06278	0.97565	0.43429	13.42189	14.57815	0.07201	3.82995

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00646	0.05494	0.52049	12.19314	410.81266	0.01157	50.12518	0.40389	0.02862
#2	0.00646	0.05524	0.52451	12.25111	413.60678	0.01165	50.27560	0.40539	0.02764
Mean	**0.00646**	**0.05509**	**0.52250**	**12.22212**	**412.20972**	**0.01161**	**50.20039**	**0.40464**	**0.02813**
%RSD	0.06185	0.38835	0.54450	0.33539	0.47930	0.51160	0.21188	0.26107	2.48438

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	172.35101	0.01450	297.03757	0.03743	0.02778	268.76049	0.01860	0.22947	0.16868
#2	172.23254	0.01462	299.50969	0.03443	0.03117	269.65425	0.02139	0.22290	0.17968

Mean	**172.29178**	**0.01456**	**298.27363**	**0.03593**	**0.02947**	**269.20737**	**0.01999**	**0.22618**	**0.17418**
%RSD	0.04862	0.61685	0.58606	5.88788	8.11646	0.23476	9.86241	2.05456	4.46681

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.71352	0.16280	1.28063	0.10161	-0.06163	0.05357	0.00631	9.55862	0.00432
#2	3.74498	0.15960	1.28624	0.10219	-0.08140	0.02023	0.00575	9.58141	0.00419
Mean	**3.72925**	**0.16120**	**1.28343**	**0.10190**	**-0.07152**	**0.03690**	**0.00603**	**9.57001**	**0.00425**
%RSD	0.59641	1.40369	0.30904	0.40372	19.54535	63.89426	6.53172	0.16842	2.20381

	Pb	Se
	calc	calc
#1	0.03099	0.18892
#2	0.03225	0.19407
Mean	**0.03162**	**0.19150**
%RSD	2.81807	1.90181

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:26
SampleId1 : Z **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 15:31:59
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	-0.00145	7.19898	-0.00789	0.05422	0.92128	0.00031	-0.01872	1914.56966	0.00414
#2	-0.00086	7.17783	-0.01859	0.05623	0.91960	0.00027	-0.02497	1947.00519	0.00381
Mean	**-0.00115**	**7.18841**	**-0.01324**	**0.05523**	**0.92044**	**0.00029**	**-0.02184**	**1930.78743**	**0.00398**
%RSD	35.86765	0.20810	57.12698	2.57782	0.12899	9.83337	20.24103	1.18788	5.82694

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00771	0.07305	0.45206	18.46605	500.31407	0.02152	52.62151	0.58989	0.01281
#2	0.00728	0.07424	0.44974	18.55917	496.42843	0.02143	52.98050	0.59288	0.01137
Mean	**0.00750**	**0.07364**	**0.45090**	**18.51261**	**498.37125**	**0.02147**	**52.80100**	**0.59138**	**0.01209**
%RSD	4.09765	1.13660	0.36377	0.35569	0.55131	0.31611	0.48075	0.35773	8.44892

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	192.20963	0.01691	291.96023	0.03501	0.03756	297.33994	0.02297	0.24720	0.19382
#2	192.27793	0.01759	294.41837	0.03061	0.03826	298.22539	0.02415	0.22670	0.20414
Mean	**192.24378**	**0.01725**	**293.18930**	**0.03281**	**0.03791**	**297.78267**	**0.02356**	**0.23695**	**0.19898**
%RSD	0.02512	2.77708	0.59285	9.47493	1.30455	0.21026	3.54414	6.11897	3.66949

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	7.43511	0.21902	1.42970	0.24063	-0.08926	0.01736	0.01312	30.15360	0.00717
#2	7.45088	0.20182	1.42739	0.24173	-0.09809	-0.01721	0.01303	30.47026	0.00721
Mean	**7.44299**	**0.21042**	**1.42855**	**0.24118**	**-0.09368**	**0.00008**	**0.01307**	**30.31193**	**0.00719**

%RSD	0.14984	5.77863	0.11429	0.32090	6.66041	31565.44782	0.48620	0.73870	0.38614

	Pb	Se
	calc	calc
#1	0.03671	0.21159
#2	0.03571	0.21165
Mean	**0.03621**	**0.21162**
%RSD	1.94780	0.01981

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:26
SampleId1 : Z **SampleId2 :** **[CV]**
Analysis commenced : 5/22/2017 15:33:24
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	0.20092	54.02335	0.49262	0.99972	1.01806	0.50401	0.49690	52.12806	0.49511
#2	0.19897	53.86656	0.49447	1.00279	1.02198	0.50363	0.51110	51.81209	0.49128
Mean	**0.19994**	**53.94495**	**0.49354**	**1.00126**	**1.02002**	**0.50382**	**0.50400**	**51.97008**	**0.49320**
%RSD	0.69183	0.20551	0.26462	0.21682	0.27170	0.05362	1.99227	0.42992	0.54883

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48747	1.01439	1.01806	20.44441	55.21589	0.54992	53.35367	1.01286	0.99683
#2	0.48455	1.01212	1.01923	20.42281	55.15866	0.54949	53.23078	1.01148	0.99668
Mean	**0.48601**	**1.01325**	**1.01864**	**20.43361**	**55.18728**	**0.54971**	**53.29223**	**1.01217**	**0.99676**
%RSD	0.42408	0.15847	0.08131	0.07475	0.07332	0.05634	0.16306	0.09608	0.01080

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	55.43222	0.98877	4.93416	1.04341	1.05562	5.02710	0.50695	1.01726	1.03317
#2	55.14205	0.99000	5.11675	1.03499	1.05164	5.03170	0.49684	1.00600	1.04181
Mean	**55.28713**	**0.98938**	**5.02545**	**1.03920**	**1.05363**	**5.02940**	**0.50189**	**1.01163**	**1.03749**
%RSD	0.37111	0.08772	2.56925	0.57317	0.26729	0.06472	1.42364	0.78700	0.58917

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.00374	1.03078	0.50587	0.50822	0.49716	5.11287	0.50532	0.99375	1.02673
#2	4.98280	1.01920	0.50675	0.50933	0.50172	5.10227	0.50372	0.99306	1.02825
Mean	**4.99327**	**1.02499**	**0.50631**	**0.50877**	**0.49944**	**5.10757**	**0.50452**	**0.99340**	**1.02749**
%RSD	0.29652	0.79916	0.12342	0.15434	0.64590	0.14673	0.22498	0.04905	0.10470

	Pb	Se
	calc	calc
#1	1.05156	1.02787
#2	1.04610	1.02989
Mean	**1.04883**	**1.02888**
%RSD	0.36822	0.13859

ted: 5/22/2017 17:36:44 User: STEVE WORKMAN
Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:26
SampleId1 : Z SampleId2 : [CB]
Analysis commenced : 5/22/2017 15:35:13
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	0.00037	-0.01360	0.00133	-0.00152	0.00002	-0.00022	0.00738	0.05832	-0.00028
#2	0.00020	-0.01053	0.00391	-0.00279	0.00021	-0.00020	-0.00355	0.05436	-0.00054
Mean	**0.00028**	**-0.01207**	**0.00262**	**-0.00216**	**0.00011**	**-0.00021**	**0.00192**	**0.05634**	**-0.00041**
%RSD	42.28402	17.99156	69.66627	41.72509	114.79315	8.07861	403.22219	4.97024	45.03063

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00005	0.00031	-0.00039	0.01784	0.21909	0.00359	0.03480	0.00048	0.00126
#2	0.00006	-0.00008	-0.00021	0.01694	0.18151	0.00353	0.03290	0.00023	0.00012
Mean	**0.00006**	**0.00012**	**-0.00030**	**0.01739**	**0.20030**	**0.00356**	**0.03385**	**0.00036**	**0.00069**
%RSD	0.88596	231.74074	42.48963	3.68945	13.26860	1.31056	3.96511	48.99633	117.63765

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09040	0.00188	0.04407	0.00157	-0.00133	0.05345	0.00142	0.00473	-0.00048
#2	0.08883	0.00078	-0.04576	-0.00167	-0.00032	0.03960	-0.00079	0.00897	0.00079
Mean	**0.08961**	**0.00133**	**-0.00085**	**-0.00005**	**-0.00083**	**0.04653**	**0.00031**	**0.00685**	**0.00015**
%RSD	1.23838	58.55947	7486.77926	4429.05979	86.68566	21.04555	496.47998	43.79415	584.61191

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01290	0.00453	-0.00073	-0.00041	0.00554	0.00079	0.00029	0.00100	0.00066
#2	-0.00963	0.00293	-0.00073	-0.00062	0.00019	-0.02179	-0.00017	0.00098	0.00016
Mean	**-0.01127**	**0.00373**	**-0.00073**	**-0.00052**	**0.00286**	**-0.01050**	**0.00006**	**0.00099**	**0.00041**
%RSD	20.55899	30.29423	0.00000	28.11250	132.25796	152.12186	548.87096	1.21040	87.54270

	Pb	Se
	calc	calc
#1	-0.00037	0.00125
#2	-0.00077	0.00351
Mean	**-0.00057**	**0.00238**
%RSD	50.16150	66.97409

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:27
SampleId1 : CCV SampleId2 : [CV]
Analysis commenced : 5/22/2017 15:36:32
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	0.19615	51.85710	0.48018	0.97527	0.99187	0.49207	0.49135	50.60394	0.48080
#2	0.19569	51.33850	0.47698	0.97040	0.99025	0.49314	0.48436	50.50852	0.47638
Mean	**0.19592**	**51.59780**	**0.47858**	**0.97283**	**0.99106**	**0.49261**	**0.48786**	**50.55623**	**0.47859**
%RSD	0.16529	0.71069	0.47298	0.35397	0.11539	0.15350	1.01260	0.13345	0.65259

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.47424	0.98810	0.98548	19.86551	53.09472	0.52640	51.75639	0.98498	0.97277
#2	0.47253	0.98591	0.97865	19.85995	52.58533	0.52141	51.55509	0.98485	0.97170
Mean	**0.47338**	**0.98700**	**0.98206**	**19.86273**	**52.84003**	**0.52391**	**51.65574**	**0.98492**	**0.97224**
%RSD	0.25676	0.15697	0.49134	0.01977	0.68166	0.67457	0.27555	0.00897	0.07753

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	53.21506	0.97281	5.02544	1.02189	1.00006	4.86137	0.49793	0.99164	0.98782
#2	52.63888	0.96405	4.93416	1.01762	1.01411	4.87979	0.49158	0.97981	1.00783
Mean	**52.92697**	**0.96843**	**4.97980**	**1.01976**	**1.00709**	**4.87058**	**0.49476**	**0.98573**	**0.99783**
%RSD	0.76978	0.63971	1.29621	0.29577	0.98680	0.26734	0.90698	0.84849	1.41840

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.82505	0.99685	0.49364	0.49505	0.48779	4.98483	0.49288	0.96873	1.00722
#2	4.78682	0.99804	0.49224	0.49511	0.49334	4.97421	0.49294	0.97070	1.00702
Mean	**4.80593**	**0.99744**	**0.49294**	**0.49508**	**0.49056**	**4.97952**	**0.49291**	**0.96971**	**1.00712**
%RSD	0.56249	0.08494	0.20026	0.00976	0.80086	0.15076	0.00755	0.14333	0.01410

	Pb	Se
	calc	calc
#1	1.00733	0.98909
#2	1.01528	0.99850
Mean	**1.01131**	**0.99380**
%RSD	0.55614	0.66965

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:27
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 5/22/2017 15:37:41
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	-0.00110	-0.00795	0.00219	-0.00205	0.00015	-0.00016	-0.00511	0.05832	-0.00057
#2	-0.00130	-0.00327	-0.00248	-0.00173	0.00008	-0.00020	-0.00797	0.06372	-0.00051
Mean	**-0.00120**	**-0.00561**	**-0.00015**	**-0.00189**	**0.00011**	**-0.00018**	**-0.00654**	**0.06102**	**-0.00054**
%RSD	11.83187	59.03742	2267.42815	11.89337	38.26439	15.08297	30.86760	6.25780	7.72046

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00115	-0.00103	-0.00087	0.02011	0.18552	0.00357	0.02657	0.00036	0.00156
#2	-0.00046	-0.00040	-0.00021	0.02041	0.19504	0.00358	0.02974	0.00036	0.00186
Mean	**-0.00080**	**-0.00071**	**-0.00054**	**0.02026**	**0.19028**	**0.00358**	**0.02816**	**0.00036**	**0.00171**
%RSD	60.46847	62.58145	86.53012	1.05545	3.53840	0.23728	7.94506	0.00000	12.56169

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09324	-0.00121	-0.04576	-0.00641	0.00463	0.02114	0.00143	-0.00753	0.00487
#2	0.09314	-0.00045	-0.04576	-0.00817	0.00171	0.01191	-0.00317	-0.00410	0.00118
Mean	**0.09319**	**-0.00083**	**-0.04576**	**-0.00729**	**0.00317**	**0.01652**	**-0.00087**	**-0.00582**	**0.00302**
%RSD	0.07443	64.92198	0.00000	17.03094	65.24290	39.50809	372.91901	41.64725	86.46142

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01633	0.00213	-0.00080	-0.00081	-0.00653	-0.03487	-0.00103	0.00065	-0.00026
#2	-0.01444	-0.00027	-0.00071	-0.00070	0.00441	-0.01942	0.00000	0.00097	0.00052
Mean	**-0.01539**	**0.00093**	**-0.00076**	**-0.00076**	**-0.00106**	**-0.02714**	**-0.00051**	**0.00081**	**0.00013**
%RSD	8.68808	181.64456	8.20874	9.60237	730.41443	40.25757	141.93603	28.17530	439.88648

	Pb	**Se**
	calc	calc
#1	0.00095	0.00074
#2	-0.00158	-0.00058
Mean	**-0.00032**	**0.00008**
%RSD	568.44830	1158.33522

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:27
SampleId1 : 1704509-11 SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 15:38:46
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	-0.00035	-0.02576	0.00612	0.01162	0.31611	-0.00026	-0.01057	73.93760	-0.00089
#2	-0.00108	-0.02936	0.00699	0.01109	0.31660	-0.00029	-0.01084	73.90024	-0.00083
Mean	**-0.00071**	**-0.02756**	**0.00655**	**0.01136**	**0.31635**	**-0.00028**	**-0.01070**	**73.91892**	**-0.00086**
%RSD	71.83241	9.24779	9.28408	3.29917	0.11094	7.25414	1.77433	0.03573	5.40422

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00053	-0.00080	-0.00038	0.01270	1.14175	0.01340	7.11171	0.00781	-0.00011
#2	-0.00027	-0.00118	-0.00086	0.01119	1.12820	0.01334	7.08634	0.00781	0.00072
Mean	**-0.00040**	**-0.00099**	**-0.00062**	**0.01195**	**1.13497**	**0.01337**	**7.09902**	**0.00781**	**0.00031**
%RSD	45.24755	27.25744	55.51180	8.95104	0.84398	0.34903	0.25267	0.00000	193.66348

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

#1	5.62729	-0.00028	0.13392	-0.00420	0.00203	2.43823	-0.00779	0.00570	0.00312
#2	5.62481	-0.00083	0.13392	-0.00552	0.00218	2.47511	-0.00838	-0.00357	0.00322
Mean	**5.62605**	**-0.00055**	**0.13392**	**-0.00486**	**0.00211**	**2.45667**	**-0.00808**	**0.00107**	**0.00317**
%RSD	0.03118	70.14439	0.00000	19.20132	5.00050	1.06145	5.16702	613.80983	2.17671

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	13.50668	0.00053	0.34895	-0.00084	0.00391	-0.02060	0.00337	0.00154	-0.00284
#2	13.51680	0.00173	0.34983	-0.00077	0.00054	-0.05032	0.00280	0.00211	-0.00311
Mean	**13.51174**	**0.00113**	**0.34939**	**-0.00081**	**0.00223**	**-0.03546**	**0.00308**	**0.00182**	**-0.00298**
%RSD	0.05296	74.79606	0.17847	5.99456	107.01336	59.26617	13.11950	22.14058	6.56574

	Pb	**Se**
	calc	calc
#1	-0.00004	0.00398
#2	-0.00038	0.00096
Mean	**-0.00021**	**0.00247**
%RSD	112.92017	86.46982

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:27
SampleId1 : 1704509-11D SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 15:39:48
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	-0.00090	-0.02750	0.00256	0.01215	0.32380	-0.00022	-0.00329	74.72663	-0.00041
#2	-0.00072	-0.02296	0.00194	0.01257	0.32107	-0.00029	0.00555	74.79906	-0.00067
Mean	**-0.00081**	**-0.02523**	**0.00225**	**0.01236**	**0.32243**	**-0.00025**	**0.00113**	**74.76284**	**-0.00054**
%RSD	15.62226	12.71612	19.30422	2.42441	0.59866	19.68039	553.25939	0.06851	34.17335

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00008	-0.00063	0.00030	0.01452	1.10010	0.01348	7.22586	0.00123	0.00057
#2	-0.00027	-0.00031	-0.00004	0.01452	1.11415	0.01340	7.19161	0.00135	-0.00011
Mean	**-0.00009**	**-0.00047**	**0.00013**	**0.01452**	**1.10713**	**0.01344**	**7.20874**	**0.00129**	**0.00023**
%RSD	263.15777	47.24179	185.01385	0.00000	0.89722	0.41028	0.33592	6.80806	210.98323

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.72655	0.00044	0.13392	-0.00695	0.00024	2.45667	-0.00398	0.00370	0.00147
#2	5.65158	0.00040	0.13392	-0.00177	0.00373	2.44745	-0.00339	0.00854	0.00225
Mean	**5.68906**	**0.00042**	**0.13392**	**-0.00436**	**0.00199**	**2.45206**	**-0.00369**	**0.00612**	**0.00186**
%RSD	0.93184	7.14607	0.00000	84.08782	124.33572	0.26586	11.36111	55.92662	29.65631

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	13.70135	0.00053	0.35814	-0.00132	0.00155	-0.03249	0.00349	0.00008	-0.00313

#2	13.59992	-0.00027	0.35519	-0.00130	-0.00565	-0.02417	0.00349	0.00038	-0.00275
Mean	**13.65064**	**0.00013**	**0.35666**	**-0.00131**	**-0.00205**	**-0.02833**	**0.00349**	**0.00023**	**-0.00294**
%RSD	0.52544	419.13903	0.58399	0.92212	247.84925	20.77246	0.00893	94.59881	9.08957

	Pb	**Se**
	calc	calc
#1	-0.00215	0.00221
#2	0.00190	0.00434
Mean	**-0.00013**	**0.00328**
%RSD	2265.59135	45.99699

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:27
SampleId1 : 1704509-11L 5X SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 15:41:04
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	-0.00084	-0.02953	0.00244	0.00102	0.06069	-0.00035	-0.00146	13.91371	-0.00043
#2	0.00000	-0.03538	0.00170	0.00007	0.06057	-0.00033	-0.00068	13.93529	-0.00052
Mean	**-0.00042**	**-0.03246**	**0.00207**	**0.00055**	**0.06063**	**-0.00034**	**-0.00107**	**13.92450**	**-0.00048**
%RSD	142.02539	12.73818	25.23153	123.24134	0.14457	5.58797	51.46390	0.10956	13.45482

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00005	0.00015	0.00011	0.00393	0.27873	0.00495	1.36193	0.00160	-0.00072
#2	0.00005	0.00063	0.00028	0.00363	0.28725	0.00497	1.36826	0.00148	-0.00118
Mean	**0.00005**	**0.00039**	**0.00020**	**0.00378**	**0.28299**	**0.00496**	**1.36509**	**0.00154**	**-0.00095**
%RSD	0.50576	87.06087	59.93889	5.65692	2.12894	0.25666	0.32789	5.70878	33.98551

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.08845	-0.00096	0.04407	0.00147	-0.00309	0.45959	0.00000	0.00259	-0.00097
#2	1.08795	0.00086	0.04407	-0.00029	0.00102	0.45959	0.00299	0.00358	-0.00087
Mean	**1.08820**	**-0.00005**	**0.04407**	**0.00059**	**-0.00103**	**0.45959**	**0.00150**	**0.00309**	**-0.00092**
%RSD	0.03215	2751.74762	0.00000	210.21787	281.31925	0.00000	141.25878	22.68406	7.48627

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.55250	0.00373	0.06672	-0.00077	-0.00341	-0.00038	0.00143	0.00070	-0.00070
#2	2.54629	0.00133	0.06675	-0.00067	-0.00130	-0.00395	0.00097	0.00131	-0.00057
Mean	**2.54940**	**0.00253**	**0.06673**	**-0.00072**	**-0.00235**	**-0.00216**	**0.00120**	**0.00100**	**-0.00064**
%RSD	0.17244	66.96727	0.03723	10.05764	63.40949	116.57612	26.92628	42.94694	14.22291

	Pb	**Se**
	calc	calc
#1	-0.00157	0.00022
#2	0.00059	0.00061

Mean	**-0.00049**	**0.00042**	**ser: STEVE WORKMAN**
%RSD	309.82599	67.21333	

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:28
SampleId1 : 1704509-11MS **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 15:42:19
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	0.09871	1.98579	0.98057	1.01010	1.30058	0.04815	-0.00385	111.64274	0.04807
#2	0.09871	1.98736	0.97848	1.00089	1.29791	0.04806	-0.00386	111.38476	0.04747
Mean	**0.09871**	**1.98657**	**0.97953**	**1.00549**	**1.29924**	**0.04810**	**-0.00385**	**111.51375**	**0.04777**
%RSD	0.00255	0.05580	0.15133	0.64770	0.14575	0.13814	0.03336	0.16359	0.90158

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.47495	0.19800	0.25246	1.03134	44.15120	0.51791	46.76892	0.49991	0.94711
#2	0.47366	0.19820	0.25045	1.02708	44.03818	0.51649	46.63022	0.49966	0.94368
Mean	**0.47430**	**0.19810**	**0.25146**	**1.02921**	**44.09469**	**0.51720**	**46.69957**	**0.49979**	**0.94540**
%RSD	0.19258	0.07055	0.56447	0.29266	0.18125	0.19441	0.21001	0.03525	0.25628

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	47.30931	0.48781	11.01584	0.50162	0.50436	2.40136	0.50863	2.01926	1.99252
#2	47.18039	0.48379	10.82985	0.50206	0.50572	2.41058	0.51534	2.01042	2.03879
Mean	**47.24485**	**0.48580**	**10.92284**	**0.50184**	**0.50504**	**2.40597**	**0.51199**	**2.01484**	**2.01565**
%RSD	0.19296	0.58536	1.20403	0.06214	0.19021	0.27096	0.92676	0.31037	1.62315

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	14.10350	0.49979	0.83761	0.48734	1.95862	-0.02879	0.51256	0.48423	-0.00300
#2	14.11220	0.50378	0.83649	0.48765	1.94192	-0.02521	0.51176	0.48130	-0.00273
Mean	**14.10785**	**0.50179**	**0.83705**	**0.48749**	**1.95027**	**-0.02700**	**0.51216**	**0.48277**	**-0.00287**
%RSD	0.04359	0.56322	0.09449	0.04461	0.60534	9.35167	0.11033	0.42947	6.72910

	Pb	**Se**
	calc	calc
#1	0.50345	2.00142
#2	0.50450	2.02934
Mean	**0.50397**	**2.01538**
%RSD	0.14774	0.97946

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:28
SampleId1 : 1704509-11MSD **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 15:43:21
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE5

Final concentrations **6:45 User: STEVE WORKMAN**

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10153	2.02451	1.00191	1.02450	1.32761	0.04869	-0.00721	112.77738	0.04880
#2	0.10050	2.01039	0.99525	1.01973	1.32438	0.04855	-0.00383	112.17180	0.04892
Mean	**0.10102**	**2.01745**	**0.99858**	**1.02211**	**1.32599**	**0.04862**	**-0.00552**	**112.47459**	**0.04886**
%RSD	0.72416	0.49478	0.47155	0.32957	0.17271	0.20708	43.29566	0.38072	0.17710

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48184	0.19994	0.25649	1.00426	45.00518	0.52922	47.37194	0.50789	0.96302
#2	0.47995	0.19957	0.25732	1.00456	44.83919	0.52726	47.17927	0.50689	0.95305
Mean	**0.48089**	**0.19976**	**0.25690**	**1.00441**	**44.92219**	**0.52824**	**47.27561**	**0.50739**	**0.95804**
%RSD	0.27793	0.12973	0.22863	0.02142	0.26129	0.26263	0.28818	0.13890	0.73623

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	48.07847	0.49412	9.90149	0.51088	0.50984	2.39675	0.52562	2.04021	2.00881
#2	47.83956	0.49268	9.80880	0.50067	0.50659	2.44284	0.51899	2.03294	2.06798
Mean	**47.95901**	**0.49340**	**9.85515**	**0.50577**	**0.50821**	**2.41980**	**0.52230**	**2.03657**	**2.03840**
%RSD	0.35226	0.20627	0.66505	1.42718	0.45251	1.34707	0.89768	0.25236	2.05251

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	14.30387	0.50897	0.85618	0.49552	1.99941	-0.05729	0.52237	0.48990	-0.00401
#2	14.27122	0.50178	0.85291	0.49434	1.99040	-0.04778	0.51986	0.48459	-0.00382
Mean	**14.28755**	**0.50538**	**0.85455**	**0.49493**	**1.99491**	**-0.05253**	**0.52111**	**0.48725**	**-0.00391**
%RSD	0.16160	1.00648	0.27040	0.16843	0.31935	12.80104	0.34052	0.77056	3.54285

	Pb	Se
	calc	calc
#1	0.51018	2.01927
#2	0.50461	2.05631
Mean	**0.50740**	**2.03779**
%RSD	0.77603	1.28544

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:28
SampleId1 : IP170519-2MB SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 15:44:23
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	0.00047	-0.02852	0.00244	-0.00025	-0.00016	-0.00047	-0.01083	0.03960	0.00005
#2	-0.00074	-0.03264	0.00330	-0.00141	-0.00041	-0.00045	-0.00485	0.03672	0.00000
Mean	**-0.00013**	**-0.03058**	**0.00287**	**-0.00083**	**-0.00029**	**-0.00046**	**-0.00784**	**0.03816**	**0.00002**
%RSD	647.21845	9.53863	21.23008	99.25979	60.79956	3.70216	53.93893	5.33677	169.76714

ted: 5/22/2017 17:36:45 User: STEVE WORKMAN

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00020	0.00084	-0.00054	0.00847	0.08079	0.00335	0.01076	0.00023	0.00042
#2	-0.00209	-0.00068	-0.00172	0.00817	0.07127	0.00331	0.00063	-0.00014	-0.00057
Mean	**-0.00115**	**0.00008**	**-0.00113**	**0.00832**	**0.07603**	**0.00333**	**0.00569**	**0.00005**	**-0.00007**
%RSD	116.59411	1336.89722	73.34485	2.57136	8.85452	0.76444	125.70790	549.03827	934.50573

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10697	0.00154	0.04407	0.00089	0.00225	-0.00194	0.00221	-0.00439	0.00400
#2	0.10521	0.00057	0.04407	-0.00704	0.00426	-0.00656	-0.00019	0.00386	0.00273
Mean	**0.10609**	**0.00105**	**0.04407**	**-0.00307**	**0.00326**	**-0.00425**	**0.00101**	**-0.00026**	**0.00336**
%RSD	1.17695	65.32807	0.00000	182.49740	43.80183	76.82107	168.49079	2221.23470	26.59999

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00583	-0.00227	-0.00099	-0.00129	0.00155	-0.01822	0.00091	0.00102	0.00058
#2	-0.00877	-0.00306	-0.00098	-0.00139	-0.00627	-0.01227	-0.00103	0.00037	-0.00060
Mean	**-0.00730**	**-0.00267**	**-0.00098**	**-0.00134**	**-0.00236**	**-0.01524**	**-0.00006**	**0.00069**	**-0.00001**
%RSD	28.42126	21.22332	1.26110	5.42654	234.44896	27.57253	2389.39129	66.61988	6327.75764

	Pb	Se
	calc	calc
#1	0.00180	0.00121
#2	0.00050	0.00311
Mean	**0.00115**	**0.00216**
%RSD	79.92734	62.38071

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:28
SampleId1 : IP170519-2LCS SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 15:45:24
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	0.00010	1.97953	0.91251	0.92953	1.00580	0.04914	-0.00121	38.22926	0.04722
#2	-0.00082	1.99395	0.90943	0.93324	1.01464	0.04926	-0.00745	38.30320	0.04659
Mean	**-0.00036**	**1.98674**	**0.91097**	**0.93139**	**1.01022**	**0.04920**	**-0.00433**	**38.26623**	**0.04691**
%RSD	178.71241	0.51309	0.23924	0.28132	0.61831	0.16287	101.85945	0.13664	0.94319

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.47718	0.20155	0.25813	0.98327	36.73145	0.49001	38.39358	0.50577	0.95914
#2	0.47787	0.20217	0.25831	0.98662	37.02688	0.49450	38.53193	0.50764	0.96493
Mean	**0.47752**	**0.20186**	**0.25822**	**0.98494**	**36.87916**	**0.49226**	**38.46275**	**0.50670**	**0.96203**
%RSD	0.10216	0.21752	0.05017	0.24022	0.56645	0.64382	0.25433	0.26079	0.42535

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	38.18511	0.49298	0.04407	0.49559	0.47833	0.00729	0.48829	1.76606	1.74296
#2	38.45859	0.49628	0.04407	0.49559	0.49855	0.00268	0.48279	1.76346	1.78683
Mean	**38.32185**	**0.49463**	**0.04407**	**0.49559**	**0.48844**	**0.00498**	**0.48554**	**1.76476**	**1.76490**
%RSD	0.50461	0.47203	0.00000	0.00011	2.92838	65.50069	0.80181	0.10409	1.75740

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.92547	0.50297	0.50410	0.49733	1.93034	-0.00734	0.52088	0.47733	0.00005
#2	0.92514	0.50137	0.50725	0.50164	1.95056	-0.03825	0.52025	0.48059	-0.00014
Mean	**0.92531**	**0.50217**	**0.50568**	**0.49949**	**1.94045**	**-0.02279**	**0.52057**	**0.47896**	**-0.00004**
%RSD	0.02565	0.22584	0.43993	0.60952	0.73668	95.89652	0.08498	0.48161	329.29796

	Pb	Se
	calc	calc
#1	0.48407	1.75066
#2	0.49757	1.77905
Mean	**0.49082**	**1.76485**
%RSD	1.94372	1.13756

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:28
SampleId1 : IP170519-2LCSD SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 15:46:26
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	0.00058	1.94961	0.90351	0.92022	0.99442	0.04886	-0.00357	38.21237	0.04596
#2	-0.00044	1.94792	0.91079	0.92159	0.99827	0.04896	-0.00643	38.24577	0.04641
Mean	**0.00007**	**1.94876**	**0.90715**	**0.92090**	**0.99635**	**0.04891**	**-0.00500**	**38.22907**	**0.04619**
%RSD	1087.12917	0.06132	0.56698	0.10568	0.27371	0.15316	40.33578	0.06179	0.68860

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.47314	0.19972	0.25480	0.98129	36.32827	0.48511	38.17583	0.50290	0.94863
#2	0.47408	0.20021	0.25530	0.98236	36.45130	0.48669	38.26549	0.50377	0.95320
Mean	**0.47361**	**0.19996**	**0.25505**	**0.98183**	**36.38978**	**0.48590**	**38.22066**	**0.50334**	**0.95092**
%RSD	0.14067	0.17176	0.14020	0.07667	0.23906	0.23051	0.16588	0.12251	0.33972

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	37.79756	0.48959	0.04407	0.49317	0.48123	-0.00656	0.48285	1.72426	1.76228
#2	37.88232	0.49408	0.04407	0.49260	0.49596	0.00268	0.47694	1.72724	1.78430
Mean	**37.83994**	**0.49184**	**0.04407**	**0.49289**	**0.48859**	**-0.00194**	**0.47989**	**1.72575**	**1.77329**
%RSD	0.15840	0.64512	0.00000	0.08146	2.13140	336.34814	0.87131	0.12237	0.87839

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.90546	0.48659	0.49776	0.49293	1.92814	-0.02517	0.51700	0.47960	-0.00028
#2	0.90873	0.48779	0.49907	0.49640	1.93033	-0.03349	0.51786	0.47756	-0.00091
Mean	**0.90710**	**0.48719**	**0.49841**	**0.49466**	**1.92923**	**-0.02933**	**0.51743**	**0.47858**	**-0.00060**
%RSD	0.25547	0.17346	0.18554	0.49580	0.08026	20.06602	0.11702	0.30099	75.12834

	Pb	**Se**
	calc	calc
#1	0.48521	1.74962
#2	0.49484	1.76530
Mean	**0.49002**	**1.75746**
%RSD	1.39021	0.63118

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:29
SampleId1 : 1705192-1 SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 15:47:28
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	-0.00096	2.56440	-0.00642	0.09321	0.80377	-0.00010	-0.01610	1532.29197	0.00728
#2	-0.00096	2.57746	-0.02105	0.09406	0.80831	-0.00011	-0.01947	1532.95395	0.00753
Mean	**-0.00096**	**2.57093**	**-0.01373**	**0.09364**	**0.80604**	**-0.00011**	**-0.01779**	**1532.62296**	**0.00740**
%RSD	0.25744	0.35937	75.34079	0.64013	0.39807	4.83077	13.40973	0.03054	2.43186

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00612	0.05565	0.52736	12.37829	416.96695	0.01200	51.08889	0.40912	0.02824
#2	0.00690	0.05561	0.53053	12.43745	418.55265	0.01204	51.25736	0.41186	0.02931
Mean	**0.00651**	**0.05563**	**0.52894**	**12.40787**	**417.75980**	**0.01202**	**51.17312**	**0.41049**	**0.02878**
%RSD	8.45630	0.05285	0.42380	0.33716	0.26840	0.24706	0.23279	0.47182	2.61541

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	175.91210	0.01488	320.47996	0.03532	0.03053	271.53306	0.02099	0.21293	0.17901
#2	175.64544	0.01556	321.58849	0.03544	0.03234	272.62261	0.01820	0.21336	0.18428
Mean	**175.77877**	**0.01522**	**321.03422**	**0.03538**	**0.03143**	**272.07783**	**0.01960**	**0.21315**	**0.18164**
%RSD	0.10727	3.14798	0.24416	0.25194	4.06423	0.28317	10.06415	0.14223	2.04828

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.74084	0.16480	1.29569	0.10179	-0.07218	0.00464	0.00612	9.74915	0.00364
#2	3.77281	0.16839	1.30180	0.10236	-0.08671	0.00696	0.00620	9.77924	0.00412
Mean	**3.75683**	**0.16660**	**1.29875**	**0.10208**	**-0.07944**	**0.00580**	**0.00616**	**9.76420**	**0.00388**
%RSD	0.60179	1.52737	0.33269	0.39116	12.93060	28.22976	0.82096	0.21790	8.74646

	Pb	**Se**
	calc	calc

#1	0.03212	0.19031	**ser: STEVE WORKMAN**
#2	0.03337	0.19396	
Mean	**0.03275**	**0.19213**	
%RSD	2.69266	1.34416	

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:29
SampleId1 : 1705192-2 SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 15:48:30
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	-0.00021	7.17426	-0.01158	0.05655	0.91848	0.00032	-0.02522	1970.59510	0.00412
#2	-0.00094	7.16442	-0.02670	0.05464	0.92258	0.00030	-0.02315	1959.81306	0.00421
Mean	**-0.00057**	**7.16934**	**-0.01914**	**0.05560**	**0.92053**	**0.00031**	**-0.02418**	**1965.20408**	**0.00416**
%RSD	90.52430	0.09706	55.86404	2.42585	0.31527	4.86627	6.07015	0.38795	1.53058

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00788	0.07551	0.45508	18.67107	500.55753	0.02153	53.69150	0.59587	0.01251
#2	0.00677	0.07412	0.45476	18.68094	501.21799	0.02160	53.60978	0.59637	0.01334
Mean	**0.00733**	**0.07482**	**0.45492**	**18.67601**	**500.88776**	**0.02156**	**53.65064**	**0.59612**	**0.01293**
%RSD	10.73126	1.31305	0.05056	0.03738	0.09324	0.23610	0.10771	0.05915	4.57501

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	195.07735	0.01894	313.22759	0.03759	0.03338	300.72257	0.02135	0.24191	0.20328
#2	194.62291	0.01721	312.12888	0.03144	0.03921	300.40406	0.02856	0.23550	0.20669
Mean	**194.85013**	**0.01807**	**312.67824**	**0.03451**	**0.03630**	**300.56332**	**0.02496**	**0.23871**	**0.20498**
%RSD	0.16492	6.79120	0.24847	12.58955	11.34921	0.07493	20.42839	1.89985	1.17521

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	7.44067	0.21062	1.43477	0.24039	-0.08786	-0.01495	0.01272	30.81064	0.00694
#2	7.43964	0.20622	1.43710	0.24050	-0.10752	-0.03160	0.01266	30.72896	0.00673
Mean	**7.44015**	**0.20842**	**1.43593**	**0.24045**	**-0.09769**	**-0.02327**	**0.01269**	**30.76980**	**0.00683**
%RSD	0.00980	1.49236	0.11459	0.03018	14.22457	50.59887	0.31587	0.18771	2.18297

	Pb	**Se**
	calc	calc
#1	0.03478	0.21614
#2	0.03662	0.21628
Mean	**0.03570**	**0.21621**
%RSD	3.64308	0.04469

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:29
SampleId1 : CCV SampleId2 : [CV]
Analysis commenced : 5/22/2017 15:51:44

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	0.19469	51.40549	0.48757	0.97707	0.98969	0.48757	0.49649	50.08895	0.48074
#2	0.19516	51.22489	0.48351	0.96627	0.98515	0.48747	0.48899	50.09085	0.47993
Mean	**0.19493**	**51.31519**	**0.48554**	**0.97167**	**0.98742**	**0.48752**	**0.49274**	**50.08990**	**0.48033**
%RSD	0.17051	0.24886	0.59174	0.78584	0.32517	0.01355	1.07590	0.00268	0.11985

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.47065	0.97780	0.98549	19.70720	52.95121	0.52458	51.35767	0.97710	0.96972
#2	0.46996	0.97848	0.97865	19.68803	52.66959	0.52091	51.23614	0.97548	0.96660
Mean	**0.47030**	**0.97814**	**0.98207**	**19.69762**	**52.81040**	**0.52275**	**51.29691**	**0.97629**	**0.96816**
%RSD	0.10405	0.04848	0.49223	0.06882	0.37707	0.49589	0.16753	0.11769	0.22802

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	53.04447	0.97455	5.11675	1.01633	0.97248	4.86137	0.49696	0.97909	0.94524
#2	52.76982	0.97053	4.93416	0.99949	0.99619	4.87979	0.49832	0.97711	0.98167
Mean	**52.90715**	**0.97254**	**5.02545**	**1.00791**	**0.98433**	**4.87058**	**0.49764**	**0.97810**	**0.96346**
%RSD	0.36707	0.29234	2.56925	1.18151	1.70342	0.26734	0.19282	0.14318	2.67418

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.76299	0.99286	0.49532	0.48872	0.49527	4.95785	0.49009	0.95856	1.00161
#2	4.75899	0.99526	0.49177	0.48830	0.49144	4.97085	0.48866	0.96359	0.99829
Mean	**4.76099**	**0.99406**	**0.49354**	**0.48851**	**0.49335**	**4.96435**	**0.48938**	**0.96107**	**0.99995**
%RSD	0.05934	0.17051	0.50891	0.06183	0.54900	0.18522	0.20656	0.37060	0.23525

	Pb	Se
	calc	calc
#1	0.98708	0.95651
#2	0.99729	0.98015
Mean	**0.99218**	**0.96833**
%RSD	0.72751	1.72654

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:29
SampleId1 : CCB SampleId2 : [CB]
Analysis commenced : 5/22/2017 15:52:54
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	-0.00130	-0.00036	-0.00076	-0.00152	0.00033	-0.00010	-0.00589	0.09360	-0.00017
#2	-0.00101	-0.00350	0.00231	-0.00216	0.00002	-0.00012	-0.00901	0.08064	-0.00048

Mean	**-0.00115**	**-0.00193**	**0.00078**	**-0.00184**	**0.00018**	**-0.00011**	**-0.00745**	**0.08712**	**-0.00032**
%RSD	17.77766	114.89657	279.93546	24.47278	124.14311	14.95447	29.64844	10.51946	68.43397

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00072	0.00000	-0.00071	0.02238	0.19404	0.00362	0.03480	0.00061	-0.00072
#2	-0.00098	-0.00103	-0.00037	0.02072	0.17199	0.00355	0.02784	0.00011	0.00004
Mean	**-0.00085**	**-0.00051**	**-0.00054**	**0.02155**	**0.18301**	**0.00359**	**0.03132**	**0.00036**	**-0.00034**
%RSD	21.52719	142.36339	44.41953	5.45872	8.51945	1.30179	15.71356	97.99262	157.70730

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09854	0.00040	0.04407	-0.00619	0.00285	0.01652	0.00040	0.00286	0.00098
#2	0.09471	-0.00104	0.04407	-0.00664	0.00714	0.02114	-0.00159	-0.00696	0.00507
Mean	**0.09663**	**-0.00032**	**0.04407**	**-0.00641**	**0.00500**	**0.01883**	**-0.00059**	**-0.00205**	**0.00302**
%RSD	2.79964	316.13118	0.00000	4.95184	60.65969	17.33292	237.60833	338.86043	95.55221

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01584	0.00133	-0.00071	-0.00043	0.00205	-0.01942	-0.00028	0.00216	0.00018
#2	-0.01652	0.00053	-0.00078	-0.00062	0.00180	-0.03012	-0.00091	0.00094	-0.00039
Mean	**-0.01618**	**0.00093**	**-0.00075**	**-0.00053**	**0.00192**	**-0.02477**	**-0.00060**	**0.00155**	**-0.00011**
%RSD	2.97431	60.54596	6.64413	25.34986	9.38189	30.54017	74.54227	55.68125	378.09271

	Pb	**Se**
	calc	calc
#1	-0.00016	0.00161
#2	0.00255	0.00106
Mean	**0.00120**	**0.00134**
%RSD	160.07326	28.67934

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:29
SampleId1 : 1705192-3 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 15:54:02
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	0.00019	7.41658	-0.00986	0.08389	0.94180	0.00077	-0.01415	2099.93042	0.00521
#2	-0.00193	7.51714	-0.00949	0.08410	0.95268	0.00076	-0.01700	2075.07953	0.00463
Mean	**-0.00087**	**7.46686**	**-0.00967**	**0.08400**	**0.94724**	**0.00077**	**-0.01558**	**2087.50498**	**0.00492**
%RSD	172.42681	0.95227	2.69592	0.17841	0.81246	0.67312	12.94384	0.84178	8.32309

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00705	0.07369	0.52415	19.34278	550.39611	0.03076	77.51542	0.64999	0.01129
#2	0.00595	0.07388	0.53202	19.42186	554.64575	0.03125	77.46291	0.65223	0.01266
Mean	**0.00650**	**0.07379**	**0.52808**	**19.38232**	**552.52093**	**0.03100**	**77.48916**	**0.65111**	**0.01197**

%RSD	12.04356	0.18105	1.05345	0.28850	0.54386	1.12217	0.04791	0.24379	8.08046

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	216.84171	0.02034	304.16320	0.04480	0.03772	318.38455	0.02135	0.31721	0.24082
#2	214.70442	0.02030	300.74829	0.03763	0.04491	317.58078	0.02536	0.30906	0.26282
Mean	**215.77306**	**0.02032**	**302.45575**	**0.04122**	**0.04132**	**317.98267**	**0.02336**	**0.31313**	**0.25182**
%RSD	0.70041	0.14735	0.79837	12.30161	12.29770	0.17874	12.13890	1.83963	6.17684

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	7.91418	0.24901	1.74672	0.24072	-0.11051	0.07351	0.01276	7.25296	0.00915
#2	7.97697	0.24461	1.76247	0.24315	-0.12233	0.03064	0.01153	7.22857	0.00825
Mean	**7.94558**	**0.24681**	**1.75459**	**0.24193**	**-0.11642**	**0.05207**	**0.01214**	**7.24076**	**0.00870**
%RSD	0.55878	1.26096	0.63464	0.70979	7.17838	58.21701	7.20556	0.23826	7.30017

	Pb	Se
	calc	calc
#1	0.04008	0.26626
#2	0.04248	0.27822
Mean	**0.04128**	**0.27224**
%RSD	4.11950	3.10635

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:30
SampleId1 : 1705192-4 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 15:55:04
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	-0.00011	2.26156	-0.02289	0.05867	0.32330	-0.00016	-0.02041	1688.95027	0.00334
#2	-0.00179	2.27750	-0.01748	0.05973	0.32448	-0.00017	-0.01807	1685.37534	0.00248
Mean	**-0.00095**	**2.26953**	**-0.02019**	**0.05920**	**0.32389**	**-0.00017**	**-0.01924**	**1687.16280**	**0.00291**
%RSD	124.76974	0.49650	18.94920	1.26567	0.25735	6.78608	8.61040	0.14983	20.83007

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00440	0.05329	0.49247	12.94944	460.21903	0.01105	55.15390	0.33034	0.02893
#2	0.00346	0.05313	0.49347	12.97984	461.81094	0.01110	55.20605	0.33158	0.03083
Mean	**0.00393**	**0.05321**	**0.49297**	**12.96464**	**461.01498**	**0.01107**	**55.17997**	**0.33096**	**0.02988**
%RSD	16.98708	0.21269	0.14368	0.16580	0.24417	0.34484	0.06683	0.26585	4.49806

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	178.56166	0.01018	332.90556	0.05952	0.06086	298.02024	0.01661	0.24677	0.20779
#2	179.10214	0.01005	330.02381	0.05699	0.06404	298.43811	0.01723	0.24577	0.21752
Mean	**178.83190**	**0.01011**	**331.46469**	**0.05826**	**0.06245**	**298.22918**	**0.01692**	**0.24627**	**0.21266**
%RSD	0.21371	0.88797	0.61476	3.06845	3.59979	0.09908	2.58146	0.28573	3.23639

ted: 5/22/2017 17:36:45 User: STEVE WORKMAN

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.48274	0.21602	1.05749	0.06798	-0.11382	0.00762	0.00557	8.22819	0.00263
#2	3.48932	0.21562	1.06090	0.06825	-0.10449	0.00759	0.00421	8.23604	0.00244
Mean	**3.48603**	**0.21582**	**1.05919**	**0.06812**	**-0.10916**	**0.00760**	**0.00489**	**8.23211**	**0.00254**
%RSD	0.13334	0.13112	0.22828	0.28424	6.04615	0.29262	19.71654	0.06746	5.33381

	Pb	Se
	calc	calc
#1	0.06042	0.22077
#2	0.06169	0.22693
Mean	**0.06105**	**0.22385**
%RSD	1.48101	1.94605

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:30
SampleId1 : 1705192-1 10X SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 15:59:51
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	0.00083	0.28519	-0.00027	0.00887	0.08139	-0.00011	-0.00498	163.14317	0.00074
#2	-0.00111	0.28310	0.00268	0.00834	0.08189	-0.00015	-0.00472	162.85781	0.00022
Mean	**-0.00014**	**0.28414**	**0.00121**	**0.00860**	**0.08164**	**-0.00013**	**-0.00485**	**163.00049**	**0.00048**
%RSD	1010.37158	0.52003	172.90619	4.35603	0.42948	23.61697	3.67995	0.12379	77.65192

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00109	0.00607	0.05331	1.37246	43.42312	0.00401	6.94175	0.04543	0.00148
#2	0.00023	0.00501	0.05299	1.36942	43.69232	0.00398	6.94936	0.04555	0.00186
Mean	**0.00066**	**0.00554**	**0.05315**	**1.37094**	**43.55772**	**0.00400**	**6.94556**	**0.04549**	**0.00167**
%RSD	91.61389	13.55194	0.42610	0.15725	0.43701	0.53046	0.07747	0.19303	16.05871

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	21.56767	0.00222	94.36692	0.00613	0.00242	44.32423	0.00199	0.01979	0.01653
#2	21.71975	0.00099	93.45321	-0.00290	0.00673	44.45033	-0.00220	0.01649	0.01887
Mean	**21.64371**	**0.00160**	**93.91006**	**0.00161**	**0.00458**	**44.38728**	**-0.00010**	**0.01814**	**0.01770**
%RSD	0.49685	54.11285	0.68799	395.79214	66.53939	0.20089	2887.58679	12.84448	9.33051

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.45430	0.01612	0.13431	0.00998	-0.00691	0.00058	0.00120	1.15244	0.00087
#2	0.45172	0.01452	0.13463	0.01004	-0.00891	-0.02676	0.00022	1.14679	-0.00010
Mean	**0.45301**	**0.01532**	**0.13447**	**0.01001**	**-0.00791**	**-0.01309**	**0.00071**	**1.14961**	**0.00039**
%RSD	0.40191	7.38435	0.16644	0.48363	17.91962	147.69997	96.81159	0.34741	177.51562

	Pb	Seser: STEVE WORKMAN
	calc	calc
#1	0.00366	0.01762
#2	0.00352	0.01808
Mean	**0.00359**	**0.01785**
%RSD	2.65108	1.82529

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:30
SampleId1 : 1705192-2 10X SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 16:00:53
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	0.00048	0.83916	0.00121	0.00558	0.09831	-0.00011	-0.00521	242.14501	0.00028
#2	-0.00120	0.84997	-0.00236	0.00420	0.09850	-0.00010	-0.00728	242.08538	0.00001
Mean	**-0.00036**	**0.84457**	**-0.00058**	**0.00489**	**0.09841**	**-0.00010**	**-0.00624**	**242.11519**	**0.00014**
%RSD	325.69845	0.90519	437.68958	19.91249	0.13362	8.58087	23.47871	0.01741	127.62646

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00100	0.00761	0.04897	2.18265	56.95350	0.00497	8.02377	0.07114	-0.00042
#2	0.00073	0.00709	0.04780	2.18740	57.35224	0.00497	8.03138	0.07064	0.00042
Mean	**0.00086**	**0.00735**	**0.04839**	**2.18502**	**57.15287**	**0.00497**	**8.02758**	**0.07089**	**0.00000**
%RSD	21.66104	4.99863	1.71013	0.15366	0.49333	0.00000	0.06705	0.49557	47613.18587

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	28.60649	0.00226	128.99984	0.00549	0.00431	56.08467	0.00557	0.01565	0.01868
#2	28.84874	0.00294	130.09965	0.00136	0.00684	56.57223	-0.00222	0.02531	0.02306
Mean	**28.72761**	**0.00260**	**129.54974**	**0.00343**	**0.00558**	**56.32845**	**0.00167**	**0.02048**	**0.02087**
%RSD	0.59627	18.42771	0.60030	85.20978	32.01836	0.61204	329.13778	33.36189	14.83841

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.94492	0.02210	0.15714	0.02571	-0.01417	-0.02047	0.00174	3.94020	0.00087
#2	0.94766	0.02010	0.15753	0.02916	-0.01081	-0.02166	0.00134	3.94643	0.00027
Mean	**0.94629**	**0.02110**	**0.15733**	**0.02744**	**-0.01249**	**-0.02106**	**0.00154**	**3.94331**	**0.00057**
%RSD	0.20466	6.71532	0.17392	8.91107	18.99313	4.00731	18.33581	0.11174	73.52033

	Pb	Se
	calc	calc
#1	0.00471	0.01767
#2	0.00502	0.02381
Mean	**0.00486**	**0.02074**
%RSD	4.50053	20.92803

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:30

SampleId1 : 1705192-3 10X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 16:01:54
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	0.00075	0.89779	-0.00039	0.00812	0.10117	-0.00003	0.00079	290.25275	0.00053
#2	-0.00056	0.89219	-0.00543	0.00802	0.10092	-0.00007	-0.00493	289.92481	0.00035
Mean	**0.00010**	**0.89499**	**-0.00291**	**0.00807**	**0.10104**	**-0.00005**	**-0.00207**	**290.08878**	**0.00044**
%RSD	966.17359	0.44211	122.40324	0.92840	0.17352	55.67381	195.24925	0.07994	28.71402

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00100	0.00652	0.05466	2.34340	64.03398	0.00588	11.98081	0.07995	0.00088
#2	0.00066	0.00708	0.05449	2.34003	63.79209	0.00588	11.94587	0.07983	0.00103
Mean	**0.00083**	**0.00680**	**0.05457**	**2.34171**	**63.91304**	**0.00588**	**11.96334**	**0.07989**	**0.00095**
%RSD	29.34321	5.77511	0.22155	0.10185	0.26761	0.00000	0.20648	0.10994	11.29895

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	36.05260	0.00446	148.36699	0.01066	0.00672	64.57265	0.00079	0.03682	0.02873
#2	35.89746	0.00387	147.61018	0.00798	0.00562	64.29217	0.00038	0.04067	0.02698
Mean	**35.97503**	**0.00417**	**147.98859**	**0.00932**	**0.00617**	**64.43241**	**0.00058**	**0.03875**	**0.02785**
%RSD	0.30493	10.06096	0.36161	20.36556	12.66371	0.30781	48.51824	7.01471	4.44885

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.03250	0.02250	0.19275	0.02714	-0.00903	-0.01469	0.00195	0.96855	0.00057
#2	1.03388	0.02250	0.19219	0.02660	-0.01250	-0.00755	0.00172	0.96681	0.00043
Mean	**1.03319**	**0.02250**	**0.19247**	**0.02687**	**-0.01076**	**-0.01112**	**0.00184**	**0.96768**	**0.00050**
%RSD	0.09456	0.00200	0.20689	1.44133	22.82711	45.37371	8.80712	0.12738	20.92461

	Pb	Se
	calc	calc
#1	0.00803	0.03142
#2	0.00640	0.03154
Mean	**0.00722**	**0.03148**
%RSD	15.97437	0.24961

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:30
SampleId1 : 1705192-4 10X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 16:02:56
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	-0.00073	0.26865	0.00035	0.00336	0.03516	-0.00014	0.00333	202.65571	-0.00051
#2	-0.01306	0.20722	-0.02055	-0.00639	0.03491	-0.00016	-0.04773	197.35547	-0.00326
Mean	**-0.00690**	**0.23793**	**-0.01010**	**-0.00152**	**0.03503**	**-0.00015**	**-0.02220**	**200.00559**	**-0.00189**
%RSD	126.43771	18.25618	146.26528	453.77059	0.50033	9.39605	162.60062	1.87387	103.10524

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00034	0.00445	0.05115	1.53825	52.37153	0.00421	8.24897	0.03984	0.00376
#2	-0.01074	-0.00531	0.04275	1.50728	52.02135	0.00414	7.94448	0.03748	-0.00437
Mean	**-0.00554**	**-0.00043**	**0.04695**	**1.52276**	**52.19644**	**0.00418**	**8.09673**	**0.03866**	**-0.00030**
%RSD	132.69166	1615.90939	12.65183	1.43827	0.47439	1.21915	2.65923	4.31518	1899.35349

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	25.36761	0.00133	117.88040	0.00219	0.01024	55.72227	0.00082	0.02260	0.02376
#2	25.16391	-0.00904	117.16301	-0.06785	0.04745	55.03753	-0.03281	-0.03647	0.05130
Mean	**25.26576**	**-0.00386**	**117.52170**	**-0.03283**	**0.02884**	**55.37990**	**-0.01599**	**-0.00693**	**0.03753**
%RSD	0.57009	190.15548	0.43164	150.83848	91.23380	0.87430	148.68367	602.40689	51.89344

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.46002	0.01772	0.11647	0.00743	-0.01421	-0.02812	-0.00065	1.03800	-0.00025
#2	0.41250	0.00252	0.11418	0.00748	-0.03686	-0.27778	-0.00998	1.01075	-0.00691
Mean	**0.43626**	**0.01012**	**0.11532**	**0.00745**	**-0.02553**	**-0.15295**	**-0.00532**	**1.02438**	**-0.00358**
%RSD	7.70314	106.15578	1.40125	0.48730	62.70375	115.42006	124.14603	1.88067	131.62528

	Pb	**Se**
	calc	calc
#1	0.00756	0.02337
#2	0.00905	0.02207
Mean	**0.00830**	**0.02272**
%RSD	12.75837	4.04475

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:31
SampleId1 : Z **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 16:05:40
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	-0.00139	-0.01709	0.00194	-0.00321	-0.00041	-0.00027	-0.00069	0.01728	-0.00021
#2	-0.00054	-0.02005	-0.00064	-0.00417	-0.00047	-0.00030	-0.00277	0.01620	-0.00012
Mean	**-0.00096**	**-0.01857**	**0.00065**	**-0.00369**	**-0.00044**	**-0.00028**	**-0.00173**	**0.01674**	**-0.00016**
%RSD	61.75395	11.27813	279.38880	18.26828	9.88676	7.69404	85.06342	4.56202	39.29461

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00072	-0.00043	-0.00138	0.07320	0.13591	0.00336	-0.00823	-0.00001	-0.00148

#2	-0.00089	-0.00027	-0.00104	0.07395	0.13591	0.00335	-0.00253	0.00011	-0.00080
Mean	**-0.00080**	**-0.00035**	**-0.00121**	**0.07358**	**0.13591**	**0.00335**	**-0.00538**	**0.00005**	**-0.00114**
%RSD	15.02886	32.48608	19.62992	0.72689	0.00000	0.25299	74.87008	183.01317	42.47262

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.07078	-0.00206	0.04407	-0.00280	0.00133	0.01191	-0.00440	0.00129	0.00070
#2	0.07078	-0.00087	0.04407	-0.00728	-0.00059	-0.00656	-0.00220	0.00541	0.00157
Mean	**0.07078**	**-0.00147**	**0.04407**	**-0.00504**	**0.00037**	**0.00268**	**-0.00330**	**0.00335**	**0.00113**
%RSD	0.00000	57.21434	0.00000	62.86846	367.17040	488.05095	47.26225	86.93966	54.63357

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00104	0.00173	-0.00106	-0.00047	-0.00104	-0.02542	-0.00079	0.00097	-0.00075
#2	0.00260	0.00253	-0.00108	-0.00093	-0.00328	-0.02779	-0.00027	-0.00079	-0.00044
Mean	**0.00182**	**0.00213**	**-0.00107**	**-0.00070**	**-0.00216**	**-0.02661**	**-0.00053**	**0.00009**	**-0.00060**
%RSD	60.44886	26.52288	1.15785	46.92808	73.11782	6.32121	68.93492	1405.94644	37.57083

	Pb	**Se**
	calc	calc
#1	-0.00005	0.00089
#2	-0.00282	0.00285
Mean	**-0.00143**	**0.00187**
%RSD	136.68993	73.88542

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:31
SampleId1 : IP170519-3LCS **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 16:06:42
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	0.09945	2.04563	0.98884	1.00248	0.99168	0.04963	-0.00489	38.78905	0.04878
#2	0.10056	2.04293	0.98082	0.99739	0.99261	0.04986	0.00006	38.93627	0.04831
Mean	**0.10001**	**2.04428**	**0.98483**	**0.99994**	**0.99215**	**0.04975**	**-0.00242**	**38.86266**	**0.04855**
%RSD	0.78658	0.09341	0.57550	0.35934	0.06650	0.33213	144.76603	0.26788	0.68203

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48292	0.20024	0.25196	0.98205	39.50640	0.49968	39.85160	0.50490	0.95008
#2	0.48378	0.20092	0.25296	0.98510	39.42602	0.49957	39.91568	0.50564	0.95373
Mean	**0.48335**	**0.20058**	**0.25246**	**0.98357**	**39.46621**	**0.49963**	**39.88364**	**0.50527**	**0.95191**
%RSD	0.12523	0.23752	0.27947	0.21868	0.14402	0.01528	0.11360	0.10461	0.27150

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	40.05732	0.50174	0.04407	0.50651	0.49552	0.01191	0.51004	2.04623	2.00309
#2	40.03037	0.50263	0.04407	0.51058	0.50808	0.03037	0.51978	2.06022	2.06895

Mean	**40.04384**	**0.50219**	**0.04407**	**0.50854**	**0.50180**	**0.02114**	**0.51491**	**2.05322**	**2.03602**
%RSD	0.04758	0.12517	0.00000	0.56582	1.77109	61.76197	1.33835	0.48197	2.28737

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.00032	0.49379	0.49956	0.48888	1.97664	-0.03230	0.51438	0.49021	-0.00123
#2	1.00170	0.50138	0.49956	0.49055	2.00661	-0.02279	0.51546	0.49583	-0.00087
Mean	**1.00101**	**0.49759**	**0.49956**	**0.48971**	**1.99162**	**-0.02755**	**0.51492**	**0.49302**	**-0.00105**
%RSD	0.09771	1.07897	0.00000	0.24178	1.06424	24.40421	0.14902	0.80568	24.22197

	Pb	Se
	calc	calc
#1	0.49918	2.01745
#2	0.50891	2.06604
Mean	**0.50404**	**2.04175**
%RSD	1.36616	1.68279

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:31
SampleId1 : IP170519-3MB SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 16:09:46
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	0.00038	-0.02254	0.00342	-0.00300	-0.00035	-0.00028	-0.00303	0.01512	-0.00032
#2	-0.00092	-0.02368	-0.00408	-0.00427	-0.00041	-0.00031	-0.00771	0.01476	-0.00074
Mean	**-0.00027**	**-0.02311**	**-0.00033**	**-0.00364**	**-0.00038**	**-0.00030**	**-0.00537**	**0.01494**	**-0.00053**
%RSD	341.56525	3.47361	1606.49807	24.71241	11.49383	6.82726	61.73616	1.70389	56.57853

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00066	0.00012	-0.00055	0.00106	0.15745	0.00339	0.00127	-0.00026	-0.00156
#2	-0.00106	-0.00019	-0.00205	0.00030	0.14493	0.00338	-0.00127	-0.00014	-0.00026
Mean	**-0.00020**	**-0.00004**	**-0.00130**	**0.00068**	**0.15119**	**0.00339**	**0.00000**	**-0.00020**	**-0.00091**
%RSD	600.20236	601.66038	81.59159	78.56753	5.85917	0.12526697900661.82044		43.82083	100.30

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.06588	0.00074	-0.04576	-0.00109	0.00032	-0.00656	0.00219	-0.00040	-0.00184
#2	0.06588	0.00099	0.04407	-0.00458	0.00358	-0.00194	-0.00519	0.01038	0.00020
Mean	**0.06588**	**0.00086**	**-0.00085**	**-0.00284**	**0.00195**	**-0.00425**	**-0.00150**	**0.00499**	**-0.00082**
%RSD	0.00000	20.80230	7486.77926	86.93584	118.19014	76.82107	348.41035	152.77235	175.78332

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01446	0.00093	-0.00096	-0.00086	-0.00118	-0.01108	0.00023	-0.00048	-0.00037
#2	-0.01824	-0.00227	-0.00101	-0.00088	-0.00131	-0.02891	-0.00080	-0.00049	-0.00026
Mean	**-0.01635**	**-0.00067**	**-0.00098**	**-0.00087**	**-0.00125**	**-0.01999**	**-0.00029**	**-0.00049**	**-0.00032**

%RSD	16.33528	339.97754	3.78331	1.39515	7.65626	63.06930	252.55055	1.97672	23.65376

	Pb	Se
	calc	calc
#1	-0.00015	-0.00136
#2	0.00086	0.00359
Mean	**0.00035**	**0.00111**
%RSD	201.75338	314.63520

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:31
SampleId1 : 1705100-1 SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 16:10:47
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE20

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00118	0.00607	0.00711	0.02010	0.08759	-0.00018	-0.00147	90.07515	-0.00066
#2	-0.00054	0.00151	0.00268	0.01925	0.08778	-0.00016	-0.00198	90.15893	-0.00036
Mean	**-0.00086**	**0.00379**	**0.00490**	**0.01967**	**0.08768**	**-0.00017**	**-0.00173**	**90.11704**	**-0.00051**
%RSD	52.73179	85.14812	63.93587	3.04680	0.14996	6.86063	21.15964	0.06574	41.34518

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00086	0.04132	0.00047	0.16822	6.17897	0.01112	23.00849	0.00458	0.00012
#2	-0.00017	0.04122	0.00012	0.16852	6.20169	0.01114	23.03462	0.00446	0.00278
Mean	**-0.00051**	**0.04127**	**0.00030**	**0.16837**	**6.19033**	**0.01113**	**23.02155**	**0.00452**	**0.00145**
%RSD	95.19800	0.16044	82.01994	0.12713	0.25954	0.11439	0.08027	1.94336	130.14465

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	28.79905	0.00251	0.04407	-0.00585	0.00129	57.72571	-0.00579	-0.00469	0.00879
#2	28.81061	0.00057	0.13392	-0.00439	-0.00010	58.05642	-0.00196	0.00570	0.00061
Mean	**28.80483**	**0.00154**	**0.08899**	**-0.00512**	**0.00060**	**57.89107**	**-0.00388**	**0.00050**	**0.00470**
%RSD	0.02837	89.37179	71.39531	20.06369	164.88088	0.40394	69.76800	1456.01316	123.03676

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	15.68983	-0.00187	0.54401	0.00053	0.00605	-0.03978	0.00958	0.00691	-0.00350
#2	15.70956	0.00053	0.54450	0.00015	0.00656	-0.01957	0.00952	0.00515	-0.00327
Mean	**15.69970**	**-0.00067**	**0.54425**	**0.00034**	**0.00631**	**-0.02968**	**0.00955**	**0.00603**	**-0.00338**
%RSD	0.08889	254.49482	0.06433	78.50129	5.70219	48.15501	0.42336	20.70531	4.77895

	Pb	Se
	calc	calc
#1	-0.00108	0.00430
#2	-0.00153	0.00231
Mean	**-0.00131**	**0.00330**
%RSD	24.08130	42.66906

ted: 5/22/2017 17:36:45 User: STEVE WORKMAN
Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:31
SampleId1 : CCV SampleId2 : [CV]
Analysis commenced : 5/22/2017 16:12:22
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	0.19094	49.95548	0.47526	0.96172	0.96307	0.47400	0.48915	48.75049	0.47084
#2	0.19172	50.63273	0.47674	0.96860	0.97414	0.47621	0.48299	48.92467	0.47394
Mean	**0.19133**	**50.29411**	**0.47600**	**0.96516**	**0.96860**	**0.47511**	**0.48607**	**48.83758**	**0.47239**
%RSD	0.28850	0.95218	0.21948	0.50416	0.80823	0.32851	0.89621	0.25219	0.46436

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.46069	0.95577	0.96472	19.24779	51.66385	0.50941	50.04419	0.95211	0.94642
#2	0.46216	0.96054	0.97336	19.35369	52.30703	0.51708	50.33281	0.95773	0.95632
Mean	**0.46143**	**0.95816**	**0.96904**	**19.30074**	**51.98544**	**0.51325**	**50.18850**	**0.95492**	**0.95137**
%RSD	0.22485	0.35178	0.63043	0.38799	0.87486	1.05643	0.40664	0.41645	0.73571

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	51.67531	0.95665	4.75166	0.99035	0.94848	4.66340	0.48377	0.96916	0.93828
#2	52.33675	0.96024	4.75166	0.98778	0.96198	4.76930	0.48463	0.96422	0.96035
Mean	**52.00603**	**0.95844**	**4.75166**	**0.98906**	**0.95523**	**4.71635**	**0.48420**	**0.96669**	**0.94932**
%RSD	0.89934	0.26542	0.00000	0.18378	0.99930	1.58762	0.12555	0.36136	1.64402

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.63365	0.96931	0.48606	0.47157	0.47790	4.85444	0.47769	0.93579	0.97892
#2	4.67967	0.97770	0.49050	0.47505	0.49020	4.89801	0.48109	0.93364	0.98613
Mean	**4.65666**	**0.97350**	**0.48828**	**0.47331**	**0.48405**	**4.87623**	**0.47939**	**0.93472**	**0.98253**
%RSD	0.69878	0.60899	0.64231	0.52076	1.79595	0.63178	0.50115	0.16239	0.51887

	Pb	Se
	calc	calc
#1	0.96242	0.94856
#2	0.97057	0.96164
Mean	**0.96650**	**0.95510**
%RSD	0.59614	0.96813

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:32
SampleId1 : CCB SampleId2 : [CB]
Analysis commenced : 5/22/2017 16:13:30
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	-0.00027	0.01901	0.00108	-0.00290	0.00015	0.00000	-0.00329	0.07956	-0.00013
#2	-0.00046	0.01680	0.00207	-0.00078	0.00021	-0.00009	-0.00277	0.07956	-0.00016
Mean	**-0.00036**	**0.01790**	**0.00158**	**-0.00184**	**0.00018**	**-0.00004**	**-0.00303**	**0.07956**	**-0.00015**
%RSD	36.65358	8.74647	44.14293	81.57589	24.82863	142.10780	12.12847	0.00000	15.05551

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00046	-0.00011	-0.00021	0.02419	0.17499	0.00356	0.03290	0.00036	0.00095
#2	-0.00020	0.00109	-0.00071	0.02344	0.20857	0.00362	0.04113	0.00048	0.00065
Mean	**-0.00033**	**0.00049**	**-0.00046**	**0.02382**	**0.19178**	**0.00359**	**0.03701**	**0.00042**	**0.00080**
%RSD	54.98582	174.34538	77.41575	2.24494	12.37971	1.29961	15.71358	20.88100	26.89558

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09393	-0.00100	0.04407	-0.00328	0.00210	-0.00194	-0.00258	0.00001	0.00069
#2	0.09265	-0.00032	0.04407	-0.00277	0.00084	0.01191	-0.00099	0.00072	0.00040
Mean	**0.09329**	**-0.00066**	**0.04407**	**-0.00302**	**0.00147**	**0.00498**	**-0.00179**	**0.00037**	**0.00054**
%RSD	0.96654	72.50076	0.00000	11.96508	60.66606	196.50253	63.00335	136.49526	38.00330

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01496	0.00173	-0.00066	-0.00077	-0.00565	-0.02418	-0.00063	0.00127	0.00026
#2	-0.01703	0.00333	-0.00064	-0.00055	-0.00044	-0.02536	0.00012	0.00103	0.00058
Mean	**-0.01600**	**0.00253**	**-0.00065**	**-0.00066**	**-0.00304**	**-0.02477**	**-0.00025**	**0.00115**	**0.00042**
%RSD	9.14886	44.63662	1.90748	23.76321	121.16894	3.39135	207.86758	14.76663	53.22863

	Pb	Se
	calc	calc
#1	0.00031	0.00046
#2	-0.00036	0.00051
Mean	**-0.00003**	**0.00048**
%RSD	1669.43930	6.03478

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:32
SampleId1 : 1705100-1D SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 16:14:38
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	0.00002	-0.00638	0.00711	0.01861	0.08647	-0.00029	-0.00042	89.28824	-0.00044
#2	-0.00054	-0.00421	0.00207	0.02073	0.08598	-0.00036	-0.00510	89.48650	-0.00033
Mean	**-0.00026**	**-0.00530**	**0.00459**	**0.01967**	**0.08623**	**-0.00033**	**-0.00276**	**89.38737**	**-0.00039**
%RSD	153.15745	29.00119	77.69424	7.61699	0.40664	14.36740	119.78388	0.15683	20.14010

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00051	0.04074	0.00029	0.14612	6.11435	0.01099	22.86954	0.00446	0.00050
#2	-0.00017	0.04174	0.00046	0.14597	6.06790	0.01097	22.76948	0.00458	0.00224
Mean	**-0.00034**	**0.04124**	**0.00038**	**0.14605**	**6.09113**	**0.01098**	**22.81951**	**0.00452**	**0.00137**
%RSD	70.86571	1.71393	31.43081	0.07327	0.53919	0.11595	0.31006	1.94336	90.27068

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	28.41871	0.00243	0.04407	-0.00027	0.00565	58.19494	-0.00098	0.00258	0.00168
#2	28.14185	0.00239	0.04407	-0.00129	0.00094	57.83298	0.00063	0.00315	-0.00105
Mean	**28.28028**	**0.00241**	**0.04407**	**-0.00078**	**0.00329**	**58.01396**	**-0.00018**	**0.00286**	**0.00032**
%RSD	0.69223	1.24283	0.00000	92.65554	101.14471	0.44118	644.58072	14.07663	610.02738

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	15.61895	0.00133	0.53684	0.00029	-0.00450	-0.01836	0.00912	0.00630	-0.00306
#2	15.50881	-0.00787	0.53334	0.00054	0.00681	-0.01717	0.00969	0.00605	-0.00287
Mean	**15.56388**	**-0.00327**	**0.53509**	**0.00042**	**0.00115**	**-0.01776**	**0.00940**	**0.00618**	**-0.00297**
%RSD	0.50038	199.12737	0.46265	43.61861	692.72137	4.73258	4.30635	2.85803	4.51314

	Pb	**Se**
	calc	calc
#1	0.00368	0.00198
#2	0.00020	0.00035
Mean	**0.00194**	**0.00116**
%RSD	127.09950	98.95550

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:32
SampleId1 : 1705100-1L 5X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 16:15:54
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	-0.00148	-0.03010	0.00502	0.00177	0.01712	-0.00036	-0.00771	17.81447	-0.00045
#2	-0.00036	-0.02144	0.00084	0.00378	0.01712	-0.00039	-0.00121	17.88534	-0.00073
Mean	**-0.00092**	**-0.02577**	**0.00293**	**0.00277**	**0.01712**	**-0.00037**	**-0.00446**	**17.84991**	**-0.00059**
%RSD	86.14397	23.75971	100.95233	51.34959	0.00000	5.76203	103.13444	0.28077	33.62688

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00009	0.00753	-0.00104	0.03750	1.33322	0.00465	4.58811	0.00098	0.00072
#2	0.00051	0.00861	-0.00054	0.03811	1.33372	0.00468	4.60395	0.00110	-0.00004
Mean	**0.00021**	**0.00807**	**-0.00079**	**0.03780**	**1.33347**	**0.00467**	**4.59603**	**0.00104**	**0.00034**
%RSD	204.27795	9.46799	44.73202	1.13150	0.02661	0.45473	0.24372	8.43165	156.56652

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

#1	5.61332	0.00006	0.04407	-0.00352	0.00056	11.88237	-0.00322	-0.00098	0.00274
#2	5.59420	0.00065	0.13392	-0.00046	-0.00163	11.79064	0.00037	0.00371	0.00079
Mean	**5.60376**	**0.00036**	**0.08899**	**-0.00199**	**-0.00054**	**11.83651**	**-0.00143**	**0.00136**	**0.00176**
%RSD	0.24121	117.92065	71.39531	109.01802	287.66089	0.54795	177.82557	243.11170	78.12199

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.11512	-0.00227	0.10715	-0.00069	-0.00403	-0.02300	0.00150	0.00278	-0.00082
#2	3.10562	0.00293	0.10683	-0.00031	0.00094	-0.02300	0.00168	0.00312	-0.00042
Mean	**3.11037**	**0.00033**	**0.10699**	**-0.00050**	**-0.00155**	**-0.02300**	**0.00159**	**0.00295**	**-0.00062**
%RSD	0.21612	1100.73751	0.20910	53.30565	226.88204	0.00192	7.70055	8.16499	45.69166

	Pb	**Se**
	calc	calc
#1	-0.00080	0.00150
#2	-0.00124	0.00176
Mean	**-0.00102**	**0.00163**
%RSD	30.38412	11.41837

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:32
SampleId1 : 1705100-1MS SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 16:17:11
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	0.09646	1.98319	0.96060	0.99327	1.04157	0.04780	-0.00494	125.19094	0.04683
#2	0.09581	1.99025	0.94642	0.99263	1.04444	0.04790	-0.01352	125.26970	0.04689
Mean	**0.09613**	**1.98672**	**0.95351**	**0.99295**	**1.04300**	**0.04785**	**-0.00923**	**125.23032**	**0.04686**
%RSD	0.47644	0.25119	1.05154	0.04523	0.19403	0.13788	65.69634	0.04447	0.08901

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.46286	0.23357	0.24644	1.14746	47.20259	0.52592	60.81339	0.49069	0.92785
#2	0.46294	0.23393	0.24762	1.14685	47.49998	0.52913	60.99011	0.49157	0.92518
Mean	**0.46290**	**0.23375**	**0.24703**	**1.14715**	**47.35129**	**0.52753**	**60.90175**	**0.49113**	**0.92651**
%RSD	0.01305	0.11037	0.33594	0.03754	0.44410	0.43027	0.20518	0.12555	0.20338

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	68.43536	0.47842	0.04407	0.49266	0.48409	56.42911	0.50353	1.99886	1.96537
#2	68.79670	0.47325	0.13392	0.49055	0.48995	56.74664	0.49537	1.97987	2.02028
Mean	**68.61603**	**0.47583**	**0.08899**	**0.49161**	**0.48702**	**56.58787**	**0.49945**	**1.98936**	**1.99282**
%RSD	0.37238	0.76747	71.39531	0.30470	0.85066	0.39678	1.15493	0.67480	1.94816

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	15.80891	0.49341	0.99650	0.47340	1.93061	-0.02653	0.50637	0.47903	-0.00013

#2	15.89968	0.48901	0.99812	0.47548	1.92146	-0.03366	0.50648	0.47846	-0.00038
Mean	**15.85430**	**0.49121**	**0.99731**	**0.47444**	**1.92604**	**-0.03009**	**0.50642**	**0.47875**	**-0.00026**
%RSD	0.40482	0.63329	0.11481	0.31069	0.33581	16.75825	0.01598	0.08450	68.73886

	Pb	**Se**
	calc	calc
#1	0.48695	1.97652
#2	0.49015	2.00682
Mean	**0.48855**	**1.99167**
%RSD	0.46352	1.07573

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:32
SampleId1 : 1705100-1MSD SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 16:18:14
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	0.09674	1.98269	0.95283	0.99994	1.04257	0.04784	-0.00182	125.62154	0.04629
#2	0.09776	1.98669	0.95591	0.99930	1.04593	0.04791	-0.00831	126.10376	0.04737
Mean	**0.09725**	**1.98469**	**0.95437**	**0.99962**	**1.04425**	**0.04788**	**-0.00506**	**125.86265**	**0.04683**
%RSD	0.73563	0.14235	0.22839	0.04493	0.22750	0.09138	90.59012	0.27092	1.63423

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.46106	0.23212	0.24794	1.14776	47.50210	0.52976	61.02300	0.49069	0.92236
#2	0.46398	0.23407	0.24894	1.15355	47.52172	0.52977	61.19780	0.49194	0.93104
Mean	**0.46252**	**0.23310**	**0.24844**	**1.15065**	**47.51191**	**0.52977**	**61.11040**	**0.49132**	**0.92670**
%RSD	0.44627	0.59055	0.28241	0.35552	0.02920	0.00080	0.20225	0.17928	0.66231

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	68.81481	0.47452	0.04407	0.49355	0.48468	56.78242	0.49734	1.99001	1.96731
#2	68.86418	0.47803	0.13392	0.49335	0.48729	57.07306	0.49998	1.99189	2.01853
Mean	**68.83949**	**0.47628**	**0.08899**	**0.49345**	**0.48598**	**56.92774**	**0.49866**	**1.99095**	**1.99292**
%RSD	0.05070	0.52165	71.39531	0.02864	0.37984	0.36101	0.37538	0.06659	1.81729

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	15.90248	0.48741	0.99805	0.47242	1.91074	-0.02058	0.50437	0.47779	-0.00336
#2	15.96326	0.49741	0.99805	0.47423	1.93197	-0.00038	0.50739	0.47994	-0.00301
Mean	**15.93287**	**0.49241**	**0.99805**	**0.47333**	**1.92136**	**-0.01048**	**0.50588**	**0.47886**	**-0.00318**
%RSD	0.26979	1.43470	0.00000	0.27058	0.78117	136.27996	0.42305	0.31662	7.71849

	Pb	**Se**
	calc	calc
#1	0.48763	1.97487
#2	0.48931	2.00966

Mean	**0.48847**	**1.99227**	**ser: STEVE WORKMAN**
%RSD	0.24243	1.23469	

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:33
SampleId1 : 1705100-2 SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 16:19:16
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	0.00040	-0.01574	-0.00051	0.02307	0.08592	-0.00029	-0.00017	91.32821	-0.00029
#2	-0.00080	-0.02952	0.00047	0.02095	0.08555	-0.00033	-0.00251	90.84128	-0.00037
Mean	**-0.00020**	**-0.02263**	**-0.00002**	**0.02201**	**0.08573**	**-0.00031**	**-0.00134**	**91.08475**	**-0.00033**
%RSD	419.23393	43.06348	3055.94438	6.81004	0.30675	7.85687	123.99026	0.37801	17.14693

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00061	0.04010	0.00029	0.00575	6.23855	0.01106	23.02442	0.00061	0.00270
#2	-0.00068	0.03856	0.00031	0.00469	6.20422	0.01103	22.92627	0.00061	0.00164
Mean	**-0.00004**	**0.03933**	**0.00030**	**0.00522**	**6.22139**	**0.01105**	**22.97534**	**0.00061**	**0.00217**
%RSD	2334.47013	2.76560	4.10087	14.34732	0.39025	0.15364	0.30209	0.00000	34.71523

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	29.69031	0.00268	0.13392	-0.00355	0.00159	60.38296	-0.00156	0.00926	0.00750
#2	29.60674	0.00086	0.04407	-0.00471	0.00087	60.45882	-0.00296	0.00283	0.00623
Mean	**29.64853**	**0.00177**	**0.08899**	**-0.00413**	**0.00123**	**60.42089**	**-0.00226**	**0.00604**	**0.00687**
%RSD	0.19930	72.57560	71.39531	19.87937	41.77242	0.08878	43.86556	75.19833	13.02396

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	15.49730	0.00133	0.54089	-0.00088	-0.00428	-0.01584	0.01005	0.00128	-0.00336
#2	15.46327	0.00093	0.53913	-0.00077	-0.00170	-0.04912	0.00914	0.00151	-0.00343
Mean	**15.48029**	**0.00113**	**0.54001**	**-0.00082**	**-0.00299**	**-0.03248**	**0.00960**	**0.00139**	**-0.00339**
%RSD	0.15545	24.94068	0.23155	8.80522	61.23205	72.46746	6.75436	11.45885	1.62780

	Pb	**Se**
	calc	calc
#1	-0.00012	0.00808
#2	-0.00099	0.00510
Mean	**-0.00056**	**0.00659**
%RSD	110.58067	32.00192

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:33
SampleId1 : 1705100-8 SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 16:20:19
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE26

Final concentrations **6:46** **User: STEVE WORKMAN**

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00165	-0.02771	0.00317	0.00685	0.03181	-0.00025	-0.00069	77.12975	-0.00116
#2	-0.00091	-0.02824	0.00440	0.00834	0.03169	-0.00031	-0.00433	77.24529	-0.00114
Mean	**-0.00128**	**-0.02797**	**0.00379**	**0.00759**	**0.03175**	**-0.00028**	**-0.00251**	**77.18752**	**-0.00115**
%RSD	40.98883	1.33802	22.94705	13.81375	0.27604	15.09814	102.30301	0.10585	0.90682

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00110	0.00942	-0.00120	0.01300	4.00175	0.00761	12.19422	0.00048	0.00133
#2	-0.00033	0.00982	0.00013	0.01361	3.98513	0.00760	12.19168	0.00048	0.00110
Mean	**-0.00072**	**0.00962**	**-0.00054**	**0.01331**	**3.99344**	**0.00760**	**12.19295**	**0.00048**	**0.00122**
%RSD	76.35533	2.90048	176.21479	3.21425	0.29422	0.11162	0.01473	0.00000	13.24474

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.94645	0.01700	0.04407	-0.00679	0.00031	19.00893	0.00078	0.00483	0.00594
#2	8.86998	0.01738	0.04407	-0.00404	0.00380	18.98153	-0.00743	0.00754	-0.00252
Mean	**8.90822**	**0.01719**	**0.04407**	**-0.00542**	**0.00205**	**18.99523**	**-0.00333**	**0.00618**	**0.00171**
%RSD	0.60695	1.56788	0.00000	35.96336	120.30170	0.10203	174.39828	30.97698	350.11163

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.64262	-0.00347	0.29741	-0.00112	-0.00778	-0.04081	0.00361	0.00140	-0.00259
#2	9.63966	0.00013	0.29576	-0.00094	0.00403	-0.03249	0.00407	0.00083	-0.00214
Mean	**9.64114**	**-0.00167**	**0.29658**	**-0.00103**	**-0.00187**	**-0.03665**	**0.00384**	**0.00111**	**-0.00236**
%RSD	0.02169	152.84629	0.39497	11.74924	445.67449	16.05531	8.42478	36.16257	13.28170

	Pb	**Se**
	calc	calc
#1	-0.00206	0.00557
#2	0.00119	0.00083
Mean	**-0.00043**	**0.00320**
%RSD	529.46817	104.90693

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:33
SampleId1 : 1705100-9 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 16:21:20
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	-0.00027	-0.02323	0.00834	0.02455	0.04148	-0.00028	-0.00588	68.26766	-0.00096
#2	-0.00085	-0.02703	0.00305	0.02444	0.04142	-0.00031	-0.00561	68.29977	-0.00053
Mean	**-0.00056**	**-0.02513**	**0.00569**	**0.02450**	**0.04145**	**-0.00030**	**-0.00575**	**68.28371**	**-0.00074**
%RSD	73.46792	10.70692	65.65016	0.30589	0.10573	7.61096	3.26337	0.03326	40.35997

ted: 5/22/2017 17:36:46 User: STEVE WORKMAN

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00075	0.03833	0.00146	0.00438	5.48200	0.00707	12.77548	-0.00001	0.00042
#2	-0.00023	0.03788	0.00077	0.00408	5.48755	0.00706	12.81233	-0.00001	0.00080
Mean	**-0.00049**	**0.03810**	**0.00112**	**0.00423**	**5.48478**	**0.00707**	**12.79390**	**-0.00001**	**0.00061**
%RSD	74.65821	0.84510	43.17078	5.05083	0.07154	0.06005	0.20366	0.00000	44.10414

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	26.18564	0.00213	-0.04576	-0.00451	-0.00007	20.12778	0.00023	0.00188	0.00127
#2	26.16787	0.00332	0.04407	-0.00322	0.00133	20.10039	-0.00297	0.00631	0.00584
Mean	**26.17676**	**0.00273**	**-0.00085**	**-0.00387**	**0.00063**	**20.11409**	**-0.00137**	**0.00409**	**0.00356**
%RSD	0.04801	30.74612	7486.77926	23.56584	156.89741	0.09630	165.05465	76.49536	90.91357

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	14.77663	0.00133	0.32976	-0.00086	0.00206	-0.00514	0.00388	0.00238	-0.00331
#2	14.80890	0.00533	0.32999	-0.00067	-0.00377	0.01745	0.00491	0.00118	-0.00304
Mean	**14.79276**	**0.00333**	**0.32988**	**-0.00076**	**-0.00086**	**0.00616**	**0.00439**	**0.00178**	**-0.00317**
%RSD	0.15423	84.82268	0.04913	17.40736	480.83472	259.36590	16.53819	47.43666	5.98546

	Pb	Se
	calc	calc
#1	-0.00155	0.00147
#2	-0.00019	0.00600
Mean	**-0.00087**	**0.00374**
%RSD	110.67313	85.65393

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:33
SampleId1 : 1705100-10. SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 16:22:22
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	-0.00002	-0.01867	0.00379	0.02519	0.04092	-0.00030	-0.00041	67.67076	-0.00010
#2	-0.00038	-0.01681	0.00576	0.02455	0.04092	-0.00027	-0.00535	67.61971	-0.00067
Mean	**-0.00020**	**-0.01774**	**0.00477**	**0.02487**	**0.04092**	**-0.00028**	**-0.00288**	**67.64523**	**-0.00039**
%RSD	128.36955	7.40126	29.14806	1.80794	0.00000	6.31865	121.35744	0.05336	103.38862

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00063	0.03838	0.00093	0.02722	5.39019	0.00705	12.63952	0.00036	0.00194
#2	-0.00032	0.03799	0.00044	0.02722	5.43811	0.00701	12.67383	0.00023	0.00126
Mean	**0.00016**	**0.03819**	**0.00069**	**0.02722**	**5.41415**	**0.00703**	**12.65668**	**0.00030**	**0.00160**
%RSD	429.77206	0.72467	51.07902	0.00000	0.62586	0.42251	0.19166	29.63110	30.28106

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	25.52246	0.00374	-0.04576	0.00133	-0.00072	19.74882	0.00004	0.00831	-0.00077
#2	25.81165	0.00260	0.13392	-0.00319	0.00302	19.89494	-0.00616	0.00830	-0.00369
Mean	**25.66706**	**0.00317**	**0.04408**	**-0.00093**	**0.00115**	**19.82188**	**-0.00306**	**0.00831**	**-0.00223**
%RSD	0.79670	25.49150	288.24420	342.62819	230.17400	0.52124	143.36839	0.10998	92.54594

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	14.53801	0.00133	0.32401	-0.00028	0.00830	0.03526	0.00531	0.00355	-0.00240
#2	14.66028	-0.00067	0.32616	-0.00076	0.00009	0.02218	0.00491	0.00324	-0.00282
Mean	**14.59914**	**0.00033**	**0.32509**	**-0.00052**	**0.00419**	**0.02872**	**0.00511**	**0.00340**	**-0.00261**
%RSD	0.59221	423.24775	0.46786	65.59583	138.37726	32.19372	5.53752	6.46617	11.49133

	Pb	Se
	calc	calc
#1	-0.00004	0.00225
#2	0.00095	0.00030
Mean	**0.00046**	**0.00128**
%RSD	153.56322	107.98541

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:33
SampleId1 : IP170519-4MB SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 16:31:00
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	-0.00018	-0.02537	-0.00199	-0.00523	-0.00041	-0.00023	-0.00173	0.01296	-0.00061
#2	0.00038	-0.01904	0.00305	-0.00332	-0.00047	-0.00025	-0.00329	0.01332	-0.00048
Mean	**0.00010**	**-0.02221**	**0.00053**	**-0.00427**	**-0.00044**	**-0.00024**	**-0.00251**	**0.01314**	**-0.00055**
%RSD	397.40390	20.15290	671.88022	31.55467	9.88676	3.50966	44.07696	1.93729	16.78105

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00006	-0.00044	-0.00088	0.00106	0.14042	0.00336	0.00506	-0.00039	-0.00163
#2	-0.00063	-0.00028	-0.00088	0.00015	0.13340	0.00335	0.00000	-0.00014	0.00027
Mean	**-0.00029**	**-0.00036**	**-0.00088**	**0.00060**	**0.13691**	**0.00336**	**0.00253**	**-0.00026**	**-0.00068**
%RSD	168.49857	32.12346	0.24812	106.06610	3.62334	0.12638	141.42136	66.90916	196.77579

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.06382	-0.00134	0.04407	-0.00116	-0.00007	-0.00656	-0.00100	0.00315	0.00069
#2	0.06392	-0.00036	0.04407	-0.00237	-0.00088	-0.01117	-0.00219	0.00144	-0.00175
Mean	**0.06387**	**-0.00085**	**0.04407**	**-0.00176**	**-0.00047**	**-0.00886**	**-0.00160**	**0.00230**	**-0.00053**
%RSD	0.10857	80.89280	0.00000	48.69402	121.83094	36.81974	52.46070	52.66027	324.40093

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01464	-0.00227	-0.00101	-0.00082	0.00205	-0.00989	-0.00063	-0.00021	-0.00046
#2	-0.01600	0.00133	-0.00098	-0.00118	-0.00367	-0.01583	-0.00017	0.00009	-0.00005
Mean	**-0.01532**	**-0.00047**	**-0.00099**	**-0.00100**	**-0.00081**	**-0.01286**	**-0.00040**	**-0.00006**	**-0.00025**
%RSD	6.29656	547.03823	2.49991	25.30407	500.80466	32.68081	80.22864	360.72107	111.51791

	Pb	**Se**
	calc	calc
#1	-0.00043	0.00151
#2	-0.00137	-0.00069
Mean	**-0.00090**	**0.00041**
%RSD	74.16598	377.00320

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:34
SampleId1 : IP170519-4LCS SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 16:32:02
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	0.09805	2.02632	0.98452	0.99792	0.97731	0.04946	-0.00726	38.71844	0.04792
#2	0.09823	2.03136	0.98119	0.99284	0.97750	0.04945	-0.00205	38.69629	0.04865
Mean	**0.09814**	**2.02884**	**0.98285**	**0.99538**	**0.97741**	**0.04945**	**-0.00465**	**38.70737**	**0.04829**
%RSD	0.13439	0.17563	0.23953	0.36099	0.01350	0.02560	79.04863	0.04047	1.05754

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48035	0.19952	0.24928	1.00107	38.85724	0.49414	39.52676	0.50153	0.94909
#2	0.48052	0.19952	0.24995	1.00259	38.82994	0.49419	39.51971	0.50178	0.94878
Mean	**0.48043**	**0.19952**	**0.24962**	**1.00183**	**38.84359**	**0.49416**	**39.52323**	**0.50166**	**0.94894**
%RSD	0.02499	0.00028	0.18954	0.10736	0.04970	0.00773	0.01261	0.03512	0.02270

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	39.53706	0.50276	0.04407	0.50734	0.48380	0.01191	0.50924	2.05008	1.96691
#2	39.49657	0.50356	0.04407	0.50587	0.49528	0.01191	0.51003	2.05565	2.05421
Mean	**39.51681**	**0.50316**	**0.04407**	**0.50660**	**0.48954**	**0.01191**	**0.50963**	**2.05287**	**2.01056**
%RSD	0.07245	0.11303	0.00000	0.20546	1.65889	0.00000	0.10968	0.19167	3.07038

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.99157	0.50579	0.49532	0.48098	1.99565	-0.02757	0.51153	0.50430	-0.00099
#2	0.99346	0.50099	0.49451	0.48197	1.98176	-0.02876	0.51124	0.49930	-0.00072
Mean	**0.99252**	**0.50339**	**0.49491**	**0.48148**	**1.98870**	**-0.02816**	**0.51139**	**0.50180**	**-0.00086**
%RSD	0.13454	0.67392	0.11615	0.14554	0.49382	2.98904	0.03937	0.70454	22.66519

	Pb	**Se**
	calc	calc

#1	0.49164	1.99460	**ser: STEVE WORKMAN**
#2	0.49881	2.05469	
Mean	**0.49522**	**2.02465**	
%RSD	1.02379	2.09841	

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:34
SampleId1 : CCV **SampleId2 :** **[CV]**
Analysis commenced : 5/22/2017 16:33:08
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	0.19311	50.71001	0.47686	0.97559	0.97271	0.48055	0.50572	49.47816	0.48152
#2	0.19126	50.17242	0.47292	0.96839	0.96655	0.48060	0.50130	49.47892	0.47718
Mean	**0.19219**	**50.44122**	**0.47489**	**0.97199**	**0.96963**	**0.48057**	**0.50351**	**49.47854**	**0.47935**
%RSD	0.67737	0.75362	0.58665	0.52372	0.44905	0.00695	0.61961	0.00109	0.64005

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.46542	0.96794	0.97937	19.51558	52.33848	0.51901	50.71854	0.96585	0.96569
#2	0.46593	0.96695	0.96888	19.50382	51.80982	0.51304	50.51603	0.96510	0.96698
Mean	**0.46567**	**0.96745**	**0.97412**	**19.50970**	**52.07415**	**0.51603**	**50.61729**	**0.96548**	**0.96634**
%RSD	0.07709	0.07245	0.76135	0.04262	0.71787	0.81806	0.28291	0.05492	0.09472

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	52.43442	0.97489	4.93416	1.00225	0.94891	4.79692	0.49479	0.97432	0.94240
#2	51.88349	0.97573	4.93416	1.00588	0.96505	4.78771	0.49024	0.97103	0.96601
Mean	**52.15895**	**0.97531**	**4.93416**	**1.00407**	**0.95698**	**4.79232**	**0.49252**	**0.97267**	**0.95420**
%RSD	0.74689	0.06137	0.00000	0.25522	1.19209	0.13586	0.65262	0.23891	1.74973

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.70583	0.98928	0.49191	0.47522	0.48541	4.88604	0.48570	0.95577	0.99166
#2	4.67731	0.98688	0.48889	0.47458	0.49727	4.87425	0.48336	0.95337	0.98769
Mean	**4.69157**	**0.98808**	**0.49040**	**0.47490**	**0.49134**	**4.88014**	**0.48453**	**0.95457**	**0.98968**
%RSD	0.42990	0.17146	0.43571	0.09668	1.70664	0.17087	0.34188	0.17779	0.28347

	Pb	**Se**
	calc	calc
#1	0.96668	0.95303
#2	0.97864	0.96768
Mean	**0.97266**	**0.96035**
%RSD	0.87004	1.07902

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:34
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 5/22/2017 16:34:16

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	-0.00020	0.01323	0.00219	-0.00131	0.00021	0.00001	-0.00354	0.08568	-0.00060
#2	-0.00028	0.00771	0.00293	-0.00279	0.00021	-0.00002	-0.00433	0.08568	-0.00034
Mean	**-0.00024**	**0.01047**	**0.00256**	**-0.00205**	**0.00021**	**-0.00001**	**-0.00393**	**0.08568**	**-0.00047**
%RSD	23.69934	37.29386	20.38280	51.19679	0.00000	343.53955	14.13850	0.00000	39.13214

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00040	0.00027	-0.00056	0.02934	0.19804	0.00363	0.03670	0.00061	0.00004
#2	-0.00003	0.00020	-0.00055	0.02767	0.19855	0.00364	0.03733	0.00048	0.00072
Mean	**0.00018**	**0.00023**	**-0.00055**	**0.02850**	**0.19829**	**0.00364**	**0.03701**	**0.00054**	**0.00038**
%RSD	164.39780	20.39233	1.26839	4.12671	0.17870	0.23337	1.20874	16.12058	126.86478

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09667	0.00082	0.04407	0.00083	0.00019	0.00729	0.00161	-0.00138	0.00186
#2	0.09501	0.00019	-0.04576	-0.00759	0.00159	0.00729	-0.00299	0.00642	0.00293
Mean	**0.09584**	**0.00050**	**-0.00085**	**-0.00338**	**0.00089**	**0.00729**	**-0.00069**	**0.00252**	**0.00239**
%RSD	1.23034	89.16821	7486.77926	175.95189	110.60788	0.00000	471.56621	218.81537	31.63799

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01412	0.00093	-0.00064	-0.00031	-0.00563	0.00554	0.00018	0.00070	0.00060
#2	-0.01600	0.00133	-0.00064	-0.00079	0.00479	-0.01348	0.00012	0.00070	0.00031
Mean	**-0.01506**	**0.00113**	**-0.00064**	**-0.00055**	**-0.00042**	**-0.00397**	**0.00015**	**0.00070**	**0.00045**
%RSD	8.83648	24.97500	0.00000	61.51945	1745.00694	338.59177	27.61873	0.29836	46.11236

	Pb	Se
	calc	calc
#1	0.00040	0.00078
#2	-0.00147	0.00409
Mean	**-0.00053**	**0.00243**
%RSD	248.88316	96.12528

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:35
SampleId1 : 1705100-7 SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 16:35:23
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	-0.00156	-0.01875	0.00108	0.00600	0.03212	-0.00027	-0.00277	76.97402	-0.00040
#2	-0.00156	-0.02239	0.00330	0.00823	0.03231	-0.00031	-0.00198	77.00056	-0.00005

Mean	**-0.00156**	**-0.02057**	**0.00219**	**0.00712**	**0.03221**	**-0.00029**	**-0.00238**	**76.98729**	**-0.00022**
%RSD	0.06364	12.48532	71.44560	22.10891	0.40809	9.09804	23.25487	0.02437	108.27457

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00001	0.06016	0.00063	0.36555	3.95441	0.00786	12.09259	0.00632	0.00202
#2	0.00010	0.06044	0.00113	0.36615	3.94938	0.00785	12.09704	0.00632	0.00080
Mean	**0.00006**	**0.06030**	**0.00088**	**0.36585**	**3.95190**	**0.00786**	**12.09482**	**0.00632**	**0.00141**
%RSD	106.92463	0.32943	40.26098	0.11715	0.09009	0.05400	0.02599	0.00000	61.10129

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.90380	0.02034	0.04407	-0.00607	0.00057	19.12313	-0.00146	0.00825	0.00249
#2	8.89008	0.02009	0.04407	-0.00565	-0.00250	19.18708	-0.00407	-0.00141	0.00161
Mean	**8.89694**	**0.02021**	**0.04407**	**-0.00586**	**-0.00097**	**19.15511**	**-0.00277**	**0.00342**	**0.00205**
%RSD	0.10902	0.88870	0.00000	4.99428	224.20083	0.23607	66.73795	199.88181	30.24222

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.65234	0.00333	0.29560	-0.00036	0.00114	-0.02810	0.00417	0.00275	-0.00219
#2	9.65424	0.00573	0.29546	-0.00011	0.00275	-0.02929	0.00411	0.00188	-0.00233
Mean	**9.65329**	**0.00453**	**0.29553**	**-0.00023**	**0.00195**	**-0.02869**	**0.00414**	**0.00232**	**-0.00226**
%RSD	0.01394	37.42716	0.03373	77.51480	58.61153	2.93143	0.96614	26.50704	4.63514

	Pb	**Se**
	calc	calc
#1	-0.00164	0.00441
#2	-0.00355	0.00060
Mean	**-0.00260**	**0.00250**
%RSD	51.95808	107.35378

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:35
SampleId1 : 1705100-7D **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 16:36:25
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	-0.00074	-0.01822	0.00158	0.00749	0.03243	-0.00027	0.00634	78.15641	-0.00009
#2	-0.00018	-0.02398	0.00047	0.00812	0.03243	-0.00032	-0.00458	78.08061	-0.00018
Mean	**-0.00046**	**-0.02110**	**0.00102**	**0.00781**	**0.03243**	**-0.00030**	**0.00088**	**78.11851**	**-0.00013**
%RSD	85.78645	19.31202	76.53703	5.75944	0.00000	13.09068	874.52436	0.06861	47.17194

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00079	0.06698	0.00162	0.38949	4.00376	0.00766	12.26664	0.00669	0.00316
#2	0.00139	0.06774	0.00162	0.38798	3.97506	0.00766	12.23170	0.00694	0.00194
Mean	**0.00109**	**0.06736**	**0.00162**	**0.38873**	**3.98941**	**0.00766**	**12.24917**	**0.00681**	**0.00255**

%RSD	39.13286	0.79724	0.02702	0.27567	0.50872	0.00000	0.20168	2.57668	33.75587

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.96549	0.02136	0.04407	-0.00583	-0.00028	19.31041	-0.00128	-0.00594	0.00200
#2	8.85489	0.02157	0.04407	0.00111	-0.00346	19.10486	-0.00050	-0.00181	-0.00043
Mean	**8.91019**	**0.02146**	**0.04407**	**-0.00236**	**-0.00187**	**19.20764**	**-0.00089**	**-0.00388**	**0.00079**
%RSD	0.87775	0.69749	0.00000	207.90065	120.07143	0.75669	62.29542	75.20081	219.13289

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.76350	-0.00227	0.29861	0.00025	-0.00368	-0.00553	0.00459	0.00481	-0.00193
#2	9.70583	0.00013	0.29546	0.00019	0.00153	-0.00434	0.00533	0.00250	-0.00154
Mean	**9.73467**	**-0.00107**	**0.29703**	**0.00022**	**-0.00108**	**-0.00494**	**0.00496**	**0.00365**	**-0.00174**
%RSD	0.41894	159.08216	0.75099	22.06834	342.84834	17.04198	10.60428	44.79118	15.90788

	Pb	**Se**
	calc	calc
#1	-0.00213	-0.00064
#2	-0.00194	-0.00089
Mean	**-0.00204**	**-0.00077**
%RSD	6.64442	23.10634

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:35
SampleId1 : 1705100-7L 5X SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 16:37:43
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	-0.00028	-0.02444	0.00465	-0.00078	0.00609	-0.00035	-0.00692	15.03917	-0.00066
#2	0.00065	-0.02953	0.00059	-0.00046	0.00597	-0.00039	-0.00250	15.09738	-0.00082
Mean	**0.00019**	**-0.02698**	**0.00262**	**-0.00062**	**0.00603**	**-0.00037**	**-0.00471**	**15.06827**	**-0.00074**
%RSD	357.26528	13.34712	109.47541	36.34776	1.45276	6.40238	66.30649	0.27318	15.35054

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00015	0.01248	0.00045	0.07637	0.81819	0.00427	2.39516	0.00135	-0.00019
#2	0.00006	0.01156	-0.00039	0.07683	0.80716	0.00425	2.40782	0.00123	-0.00034
Mean	**0.00011**	**0.01202**	**0.00003**	**0.07660**	**0.81268**	**0.00426**	**2.40149**	**0.00129**	**-0.00026**
%RSD	56.75142	5.40688	1882.90598	0.41892	0.96003	0.29857	0.37289	6.80806	40.59555

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.86025	0.00561	0.04407	-0.00170	0.00047	3.69627	-0.00205	-0.00082	-0.00125
#2	1.87379	0.00556	0.04407	-0.00199	0.00014	3.72852	-0.00425	0.00004	0.00177
Mean	**1.86702**	**0.00558**	**0.04407**	**-0.00184**	**0.00031**	**3.71239**	**-0.00315**	**-0.00039**	**0.00026**
%RSD	0.51260	0.53611	0.00000	11.05919	75.02101	0.61420	49.30034	154.13424	827.14996

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	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.88129	0.00013	0.05709	-0.00067	-0.00128	0.00073	0.00083	0.00212	-0.00026
#2	1.89423	0.00413	0.05753	-0.00079	-0.00364	-0.00164	0.00026	0.00032	-0.00047
Mean	**1.88776**	**0.00213**	**0.05731**	**-0.00073**	**-0.00246**	**-0.00046**	**0.00055**	**0.00122**	**-0.00036**
%RSD	0.48476	132.52768	0.54182	11.59646	67.94873	369.38617	73.98772	104.47048	41.37433

	Pb	Se
	calc	calc
#1	-0.00025	-0.00111
#2	-0.00056	0.00119
Mean	**-0.00041**	**0.00004**
%RSD	54.30392	3849.66409

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:35
SampleId1 : 1705100-7MS SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 16:39:03
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	0.09861	1.94118	0.95357	0.99284	0.99460	0.04867	-0.00025	113.42206	0.04825
#2	0.09834	1.93867	0.96430	0.99083	0.99411	0.04875	-0.00207	113.58601	0.04752
Mean	**0.09848**	**1.93992**	**0.95893**	**0.99184**	**0.99436**	**0.04871**	**-0.00116**	**113.50404**	**0.04789**
%RSD	0.19423	0.09157	0.79103	0.14340	0.03539	0.11228	110.92799	0.10214	1.07778

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.47103	0.26309	0.24912	1.34686	44.44123	0.51566	50.96544	0.50041	0.93554
#2	0.46948	0.26330	0.24829	1.35021	44.28168	0.51401	50.95708	0.50054	0.93043
Mean	**0.47025**	**0.26320**	**0.24870**	**1.34853**	**44.36146**	**0.51483**	**50.96126**	**0.50047**	**0.93298**
%RSD	0.23304	0.05632	0.23547	0.17583	0.25432	0.22662	0.01160	0.01760	0.38664

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.45687	0.50204	0.04407	0.49955	0.48235	18.59319	0.49453	2.01912	1.96152
#2	49.33523	0.50212	0.13392	0.50292	0.48860	18.57491	0.49686	2.02852	2.01458
Mean	**49.39605**	**0.50208**	**0.08899**	**0.50124**	**0.48548**	**18.58405**	**0.49570**	**2.02382**	**1.98805**
%RSD	0.17413	0.01192	71.39531	0.47572	0.90993	0.06954	0.33284	0.32857	1.88732

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	10.26531	0.49580	0.77112	0.47625	1.95565	-0.02911	0.50668	0.48592	-0.00185
#2	10.26858	0.49460	0.76972	0.47827	1.93407	-0.04338	0.50703	0.48652	-0.00176
Mean	**10.26694**	**0.49520**	**0.77042**	**0.47726**	**1.94486**	**-0.03625**	**0.50686**	**0.48622**	**-0.00181**
%RSD	0.02250	0.17156	0.12862	0.29873	0.78461	27.83685	0.04789	0.08688	3.28141

	Pb	Seser: STEVE WORKMAN
	calc	calc
#1	0.48808	1.98070
#2	0.49337	2.01922
Mean	**0.49072**	**1.99996**
%RSD	0.76224	1.36207

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:35
SampleId1 : 1705100-7MSD SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 16:40:05
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	0.09918	1.98345	0.97280	0.99898	1.00804	0.04939	-0.00855	116.12919	0.04780
#2	0.09946	1.97768	0.97712	1.01063	1.01096	0.04948	-0.00750	116.43363	0.04861
Mean	**0.09932**	**1.98056**	**0.97496**	**1.00481**	**1.00950**	**0.04943**	**-0.00802**	**116.28141**	**0.04820**
%RSD	0.19681	0.20590	0.31301	0.81950	0.20480	0.13557	9.23800	0.18513	1.18627

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.47532	0.27166	0.25296	1.36942	45.23785	0.52646	52.00850	0.50614	0.94757
#2	0.47772	0.27218	0.25263	1.37521	45.35579	0.52802	52.16673	0.50851	0.94833
Mean	**0.47652**	**0.27192**	**0.25280**	**1.37231**	**45.29682**	**0.52724**	**52.08762**	**0.50733**	**0.94795**
%RSD	0.35631	0.13462	0.09401	0.29848	0.18411	0.20841	0.21480	0.32993	0.05680

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.42768	0.51029	0.04407	0.50458	0.49463	18.94041	0.50451	2.02582	2.00217
#2	50.48917	0.51283	0.04407	0.50948	0.49671	19.00437	0.51186	2.03196	2.04281
Mean	**50.45842**	**0.51156**	**0.04407**	**0.50703**	**0.49567**	**18.97239**	**0.50819**	**2.02889**	**2.02249**
%RSD	0.08617	0.35108	0.00000	0.68233	0.29614	0.23836	1.02156	0.21398	1.42099

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	10.51264	0.50339	0.78454	0.48291	1.96637	-0.03508	0.51315	0.49071	-0.00274
#2	10.54322	0.50299	0.78649	0.48577	1.96211	-0.03152	0.51560	0.49102	-0.00243
Mean	**10.52793**	**0.50319**	**0.78551**	**0.48434**	**1.96424**	**-0.03330**	**0.51437**	**0.49087**	**-0.00258**
%RSD	0.20535	0.05664	0.17569	0.41659	0.15338	7.56060	0.33738	0.04565	8.51343

	Pb	Se
	calc	calc
#1	0.49794	2.01004
#2	0.50096	2.03920
Mean	**0.49945**	**2.02462**
%RSD	0.42669	1.01821

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:36

SampleId1 : 1705202-2 10X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 16:43:47
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	-0.00092	-0.00553	0.00256	1.35981	1.42505	-0.00027	-0.00300	6.79587	-0.00094
#2	-0.00055	-0.00530	-0.00199	1.35643	1.42692	-0.00032	-0.00403	6.83397	-0.00035
Mean	**-0.00074**	**-0.00542**	**0.00028**	**1.35812**	**1.42598**	**-0.00029**	**-0.00352**	**6.81492**	**-0.00064**
%RSD	35.11692	3.06640	1130.17341	0.17632	0.09269	11.32621	20.80084	0.39524	64.59451

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00067	0.01093	0.01485	2.52502	4.79168	0.11291	2.47621	0.04878	0.00148
#2	0.00162	0.01180	0.01602	2.53224	4.79370	0.11287	2.49014	0.04891	0.00255
Mean	**0.00115**	**0.01137**	**0.01543**	**2.52863**	**4.79269**	**0.11289**	**2.48317**	**0.04884**	**0.00202**
%RSD	58.34743	5.43163	5.34036	0.20172	0.02975	0.02255	0.39670	0.17978	37.33363

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	425.81919	0.03855	0.13392	-0.00183	0.00116	0.64878	-0.00383	-0.00595	-0.00064
#2	422.37098	0.03842	-0.04576	-0.00422	-0.00126	0.65339	0.00058	-0.00154	-0.00190
Mean	**424.09508**	**0.03848**	**0.04408**	**-0.00302**	**-0.00005**	**0.65109**	**-0.00163**	**-0.00375**	**-0.00127**
%RSD	0.57493	0.23339	288.24420	56.01059	3548.55514	0.50112	191.40153	83.33787	70.27867

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.02907	-0.00187	0.95005	-0.00024	0.00057	-0.02320	0.00040	0.00851	-0.00086
#2	1.03356	-0.00067	0.95003	0.00001	0.00468	-0.01251	0.00126	0.00767	-0.00059
Mean	**1.03132**	**-0.00127**	**0.95004**	**-0.00011**	**0.00263**	**-0.01785**	**0.00083**	**0.00809**	**-0.00072**
%RSD	0.30738	66.98513	0.00132	158.70237	110.58698	42.34697	73.24410	7.36220	26.75188

	Pb	Se
	calc	calc
#1	0.00017	-0.00241
#2	-0.00225	-0.00178
Mean	**-0.00104**	**-0.00210**
%RSD	164.22225	21.14649

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:36
SampleId1 : 1705203-2 10X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 16:44:49
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	0.00001	-0.03998	0.00219	1.22487	0.61885	-0.00033	-0.00562	0.84316	-0.00072
#2	0.00011	-0.02862	-0.00236	1.23313	0.62351	-0.00033	-0.00381	0.84352	-0.00051
Mean	**0.00006**	**-0.03430**	**-0.00008**	**1.22900**	**0.62118**	**-0.00033**	**-0.00472**	**0.84334**	**-0.00062**
%RSD	120.08915	23.41597	3819.13603	0.47499	0.53029	0.34453	27.21799	0.03021	23.25960

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00049	0.00020	-0.00004	1.22192	10.00816	0.08014	1.03341	0.03140	-0.00004
#2	-0.00045	-0.00047	-0.00054	1.22496	10.12028	0.08108	1.01822	0.03127	-0.00163
Mean	**0.00002**	**-0.00014**	**-0.00029**	**1.22344**	**10.06422**	**0.08061**	**1.02582**	**0.03133**	**-0.00083**
%RSD	2903.01245	350.26350	120.07264	0.17606	0.78776	0.82635	1.04709	0.28020	135.19386

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	359.15341	0.00116	-0.22534	0.00255	-0.00104	0.19653	0.00141	0.00173	-0.00402
#2	361.29771	0.00082	-0.22534	-0.00389	0.00116	0.21038	-0.00180	-0.00254	0.00201
Mean	**360.22556**	**0.00099**	**-0.22534**	**-0.00067**	**0.00006**	**0.20345**	**-0.00020**	**-0.00041**	**-0.00100**
%RSD	0.42092	24.17970	0.00000	676.97920	2690.03404	4.81222	1147.07774	737.65175	425.05591

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.86321	-0.00067	0.44372	-0.00050	-0.00112	-0.01591	0.00007	-0.00136	-0.00024
#2	0.87459	0.00253	0.44686	-0.00100	-0.00435	-0.02423	-0.00033	-0.00197	-0.00030
Mean	**0.86890**	**0.00093**	**0.44529**	**-0.00075**	**-0.00274**	**-0.02007**	**-0.00013**	**-0.00166**	**-0.00027**
%RSD	0.92577	242.22719	0.49918	46.94267	83.58958	29.33215	213.11369	26.21641	17.08411

	Pb	**Se**
	calc	calc
#1	0.00015	-0.00211
#2	-0.00052	0.00050
Mean	**-0.00019**	**-0.00081**
%RSD	258.30685	228.38122

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:36
SampleId1 : 1705240-2 SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 16:53:48
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	-0.00129	-0.00245	0.00576	0.09459	0.34241	-0.00021	-0.00016	3.62979	-0.00058
#2	-0.00082	-0.00494	0.00121	0.09523	0.34223	-0.00024	-0.00510	3.64424	-0.00071
Mean	**-0.00105**	**-0.00369**	**0.00348**	**0.09491**	**0.34232**	**-0.00022**	**-0.00263**	**3.63701**	**-0.00064**
%RSD	31.97509	47.67814	92.40026	0.47366	0.03845	8.42078	133.00437	0.28112	14.72563

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00019	0.00560	0.00397	2.73895	2.29909	0.08695	0.65494	0.05201	0.00042

#2	0.00002	0.00613	0.00431	2.74556	2.29808	0.08647	0.65114	0.05213	0.00095
Mean	**0.00010**	**0.00587**	**0.00414**	**2.74226**	**2.29858**	**0.08671**	**0.65304**	**0.05207**	**0.00069**
%RSD	116.61619	6.37467	5.82865	0.17039	0.03091	0.39142	0.41115	0.16864	54.89759

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	226.02797	0.06374	0.04407	-0.00587	-0.00071	0.03960	-0.00521	0.00514	0.00172
#2	224.43676	0.06302	0.04407	-0.00043	0.00051	0.04422	-0.00221	-0.00056	0.00494
Mean	**225.23237**	**0.06338**	**0.04407**	**-0.00315**	**-0.00010**	**0.04191**	**-0.00371**	**0.00229**	**0.00333**
%RSD	0.49955	0.80304	0.00000	122.14773	880.86631	7.78783	57.17554	176.08410	68.22354

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.90101	-0.00307	0.42867	-0.00007	0.00957	-0.01629	-0.00053	0.02619	-0.00230
#2	8.86960	-0.00187	0.42804	-0.00036	0.00311	-0.02937	-0.00052	0.02474	-0.00225
Mean	**8.88531**	**-0.00247**	**0.42835**	**-0.00022**	**0.00634**	**-0.02283**	**-0.00053**	**0.02546**	**-0.00228**
%RSD	0.24995	34.41457	0.10492	94.77652	72.08758	40.52506	0.31682	4.01190	1.49327

	Pb	**Se**
	calc	calc
#1	-0.00243	0.00286
#2	0.00020	0.00311
Mean	**-0.00111**	**0.00298**
%RSD	166.72387	5.83333

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:36
SampleId1 : 1705242-2 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 16:54:49
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	-0.00054	0.00757	0.00133	0.09205	0.33863	-0.00020	-0.00508	3.63593	-0.00035
#2	-0.00073	0.00692	0.00145	0.09035	0.33825	-0.00023	0.00038	3.64497	-0.00025
Mean	**-0.00064**	**0.00725**	**0.00139**	**0.09120**	**0.33844**	**-0.00022**	**-0.00235**	**3.64045**	**-0.00030**
%RSD	21.12507	6.29680	6.24936	1.31447	0.07778	9.81659	164.40916	0.17554	22.24754

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00042	0.00781	0.01234	2.89669	2.68558	0.08651	0.64671	0.05983	0.00050
#2	0.00096	0.00864	0.01351	2.90438	2.68306	0.08641	0.65621	0.06008	0.00278
Mean	**0.00027**	**0.00823**	**0.01292**	**2.90053**	**2.68432**	**0.08646**	**0.65146**	**0.05996**	**0.00164**
%RSD	360.71232	7.19644	6.39447	0.18749	0.06621	0.08342	1.03037	0.29293	98.59123

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	219.39412	0.06484	0.04407	-0.00405	0.00045	0.02575	-0.00122	-0.00737	0.00077
#2	218.82506	0.06429	0.04407	-0.00212	-0.00060	0.02114	-0.00321	0.01253	-0.00361

Mean	**219.10959**	**0.06456**	**0.04407**	**-0.00309**	**-0.00007**	**0.02345**	**-0.00222**	**0.00258**	**-0.00142**
%RSD	0.18365	0.60281	0.00000	44.10848	984.16361	13.92060	63.29727	545.97039	218.26850

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.79895	-0.00067	0.42521	0.00024	0.00986	-0.02002	-0.00066	0.03362	-0.00196
#2	8.80521	0.00133	0.42422	0.00032	-0.00479	-0.01527	0.00049	0.03219	-0.00190
Mean	**8.80208**	**0.00033**	**0.42472**	**0.00028**	**0.00253**	**-0.01764**	**-0.00008**	**0.03291**	**-0.00193**
%RSD	0.05027	424.52137	0.16461	21.66822	408.75403	19.02572	973.00427	3.07533	2.27415

	Pb	Se
	calc	calc
#1	-0.00105	-0.00194
#2	-0.00111	0.00176
Mean	**-0.00108**	**-0.00009**
%RSD	3.59452	2974.51237

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:36
SampleId1 : 1705202-2 100X SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 16:55:51
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	-0.00083	-0.02577	0.00416	0.13263	0.14512	-0.00024	-0.00329	0.75416	-0.00023
#2	0.00056	-0.02160	-0.00138	0.13178	0.14537	-0.00029	-0.00536	0.76209	-0.00047
Mean	**-0.00013**	**-0.02369**	**0.00139**	**0.13221**	**0.14524**	**-0.00027**	**-0.00432**	**0.75813**	**-0.00035**
%RSD	731.63344	12.45753	281.21894	0.45337	0.12073	15.14746	33.89300	0.73934	49.72852

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00026	0.00053	0.00080	0.26738	0.50079	0.01207	0.26259	0.01128	-0.00026
#2	-0.00009	0.00155	0.00162	0.26905	0.50229	0.01210	0.27082	0.01153	0.00088
Mean	**-0.00017**	**0.00104**	**0.00121**	**0.26822**	**0.50154**	**0.01209**	**0.26671**	**0.01141**	**0.00031**
%RSD	70.78480	69.65043	48.18452	0.43918	0.21204	0.17550	2.18097	1.53915	264.08646

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	53.36904	0.00400	0.04407	-0.00318	0.00215	0.06268	-0.00260	-0.00184	-0.00093
#2	53.42269	0.00514	-0.04576	0.00265	-0.00182	0.07191	-0.00079	0.00870	-0.00084
Mean	**53.39587**	**0.00457**	**-0.00085**	**-0.00027**	**0.00016**	**0.06730**	**-0.00169**	**0.00343**	**-0.00088**
%RSD	0.07105	17.69485	7486.77926	1538.15209	1737.97718	9.69981	75.38993	217.03908	7.76604

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10338	0.00053	0.09748	-0.00060	-0.00050	-0.02562	-0.00034	0.00747	-0.00039
#2	0.10820	0.00173	0.09764	-0.00029	0.00523	-0.00184	0.00024	0.00722	0.00030
Mean	**0.10579**	**0.00113**	**0.09756**	**-0.00045**	**0.00237**	**-0.01373**	**-0.00005**	**0.00734**	**-0.00004**

%RSD	3.22167	74.80626	0.11464	48.61082	171.13907	122.43665	811.69895	2.39328	1098.93131

	Pb	Se
	calc	calc
#1	0.00037	-0.00123
#2	-0.00033	0.00234
Mean	**0.00002**	**0.00055**
%RSD	2703.28466	456.95287

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:37
SampleId1 : CCV **SampleId2 :** **[CV]**
Analysis commenced : 5/22/2017 16:57:34
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	0.19400	50.71588	0.48745	0.96849	0.97240	0.48642	0.50161	49.85150	0.47968
#2	0.19416	51.11069	0.48031	0.97283	0.97812	0.48944	0.49905	50.12087	0.48063
Mean	**0.19408**	**50.91328**	**0.48388**	**0.97066**	**0.97526**	**0.48793**	**0.50033**	**49.98619**	**0.48015**
%RSD	0.05729	0.54833	1.04359	0.31620	0.41490	0.43756	0.36099	0.38105	0.13946

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.47116	0.97669	0.97484	19.73058	51.97179	0.51725	51.10368	0.97673	0.96599
#2	0.47321	0.98213	0.98166	19.84026	52.28677	0.52025	51.37889	0.98223	0.96599
Mean	**0.47219**	**0.97941**	**0.97825**	**19.78542**	**52.12928**	**0.51875**	**51.24129**	**0.97948**	**0.96599**
%RSD	0.30809	0.39214	0.49345	0.39200	0.42725	0.40811	0.37978	0.39705	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	51.76624	0.98115	5.02544	1.01021	0.96429	4.85677	0.49475	0.98178	0.96778
#2	52.01968	0.98022	5.11675	1.01670	0.98452	4.81534	0.49254	0.99346	0.98626
Mean	**51.89296**	**0.98069**	**5.07110**	**1.01345**	**0.97441**	**4.83605**	**0.49365**	**0.98762**	**0.97702**
%RSD	0.34535	0.06714	1.27324	0.45254	1.46801	0.60583	0.31626	0.83634	1.33720

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.70215	0.99646	0.49203	0.48085	0.49366	4.94602	0.48896	0.97324	0.99087
#2	4.73739	1.00005	0.49384	0.48584	0.48813	4.95181	0.49162	0.97524	0.99733
Mean	**4.71977**	**0.99826**	**0.49293**	**0.48334**	**0.49090**	**4.94891**	**0.49029**	**0.97424**	**0.99410**
%RSD	0.52807	0.25423	0.25857	0.72991	0.79678	0.08270	0.38332	0.14563	0.45962

	Pb	Se
	calc	calc
#1	0.97958	0.97244
#2	0.99524	0.98866
Mean	**0.98741**	**0.98055**
%RSD	1.12094	1.16921

ted: 5/22/2017 17:36:47 User: STEVE WORKMAN
Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:37
SampleId1 : CCB SampleId2 : [CB]
Analysis commenced : 5/22/2017 16:58:42
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	-0.00083	-0.01060	-0.00064	-0.00237	-0.00004	-0.00011	-0.00927	0.06444	-0.00029
#2	-0.00091	-0.00810	-0.00199	-0.00258	0.00002	-0.00013	-0.00537	0.06372	-0.00035
Mean	**-0.00087**	**-0.00935**	**-0.00131**	**-0.00247**	**-0.00001**	**-0.00012**	**-0.00732**	**0.06408**	**-0.00032**
%RSD	6.71692	18.94289	72.79439	6.06018	465.05030	9.77312	37.61938	0.79453	13.75143

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00063	0.00033	-0.00088	0.02450	0.17499	0.00355	0.02657	0.00048	-0.00019
#2	-0.00080	-0.00022	-0.00137	0.02374	0.17700	0.00358	0.02594	0.00036	0.00148
Mean	**-0.00072**	**0.00005**	**-0.00112**	**0.02412**	**0.17599**	**0.00356**	**0.02626**	**0.00042**	**0.00065**
%RSD	16.92842	738.57385	31.10322	2.21680	0.80536	0.47617	1.70388	20.88100	182.66478

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09981	-0.00032	0.04407	-0.00689	0.00018	0.01191	0.00021	0.00342	0.00225
#2	0.09824	-0.00066	0.04407	-0.00833	0.00348	-0.01117	-0.00518	0.00554	0.00293
Mean	**0.09903**	**-0.00049**	**0.04407**	**-0.00761**	**0.00183**	**0.00037**	**-0.00249**	**0.00448**	**0.00259**
%RSD	1.12072	48.74518	0.00000	13.39474	127.75386	4445.42357	153.12279	33.40091	18.62211

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01221	0.00533	-0.00075	-0.00076	-0.00131	-0.02537	-0.00074	0.00012	0.00020
#2	-0.01530	-0.00227	-0.00078	-0.00072	-0.00355	-0.04082	-0.00085	0.00009	0.00016
Mean	**-0.01376**	**0.00153**	**-0.00076**	**-0.00074**	**-0.00243**	**-0.03309**	**-0.00080**	**0.00011**	**0.00018**
%RSD	15.87088	350.26199	3.24582	3.27491	65.38819	33.02098	10.22937	16.13495	16.54737

	Pb	**Se**
	calc	calc
#1	-0.00218	0.00264
#2	-0.00045	0.00380
Mean	**-0.00131**	**0.00322**
%RSD	92.92255	25.47390

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:37
SampleId1 : 1705203-2 100X SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 16:59:49
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	-0.00176	-0.02510	0.00477	0.12098	0.06441	-0.00029	-0.00511	0.12529	-0.00011
#2	-0.00045	-0.02931	0.00428	0.11939	0.06435	-0.00030	-0.00355	0.12565	-0.00023
Mean	**-0.00111**	**-0.02721**	**0.00453**	**0.12018**	**0.06438**	**-0.00029**	**-0.00433**	**0.12547**	**-0.00017**
%RSD	83.38077	10.93334	7.68289	0.93514	0.06808	2.28137	25.49766	0.20291	48.42070

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00046	-0.00019	-0.00037	0.13069	0.89594	0.00970	0.11263	0.00955	-0.00141
#2	0.00058	-0.00079	-0.00054	0.13250	0.88590	0.00966	0.11010	0.00955	-0.00194
Mean	**0.00006**	**-0.00049**	**-0.00046**	**0.13160**	**0.89092**	**0.00968**	**0.11136**	**0.00955**	**-0.00167**
%RSD	1217.85109	86.60308	26.24063	0.97571	0.79618	0.26303	1.60709	0.00000	22.51554

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	44.76472	-0.00058	0.13392	-0.00107	0.00330	0.00729	-0.00200	-0.00141	0.00168
#2	44.60193	-0.00053	-0.04576	-0.00120	0.00225	0.02114	-0.00020	0.00286	0.00255
Mean	**44.68333**	**-0.00055**	**0.04408**	**-0.00113**	**0.00277**	**0.01421**	**-0.00110**	**0.00072**	**0.00211**
%RSD	0.25762	5.39572	288.24420	7.90199	26.69473	68.88413	115.19522	417.95507	29.29528

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.08598	-0.00187	0.04697	-0.00077	-0.00476	-0.02785	-0.00037	0.00215	-0.00003
#2	0.08701	-0.00427	0.04678	-0.00081	0.00171	-0.02310	-0.00054	0.00212	-0.00003
Mean	**0.08649**	**-0.00307**	**0.04688**	**-0.00079**	**-0.00153**	**-0.02548**	**-0.00046**	**0.00214**	**-0.00003**
%RSD	0.84181	55.35651	0.29142	3.06218	299.58498	13.19297	26.59560	0.87862	0.43921

	Pb	Se
	calc	calc
#1	0.00184	0.00065
#2	0.00110	0.00265
Mean	**0.00147**	**0.00165**
%RSD	35.56638	85.89299

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:37
SampleId1 : 1705240-2 10X SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 17:00:51
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	0.00019	-0.03113	0.00084	0.00632	0.03386	-0.00034	-0.00354	0.40329	-0.00023
#2	-0.00027	-0.02276	-0.00174	0.00696	0.03423	-0.00033	-0.00121	0.40221	-0.00045
Mean	**-0.00004**	**-0.02695**	**-0.00045**	**0.00664**	**0.03404**	**-0.00034**	**-0.00237**	**0.40275**	**-0.00034**
%RSD	805.74509	21.95856	402.95415	6.77046	0.77236	2.76576	69.54381	0.18970	46.37263

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00010	0.00120	0.00029	0.27980	0.36795	0.01019	0.08036	0.01215	-0.00080
#2	-0.00007	0.00044	-0.00071	0.28102	0.36344	0.01017	0.07340	0.01203	0.00103
Mean	**0.00002**	**0.00082**	**-0.00021**	**0.28041**	**0.36569**	**0.01018**	**0.07688**	**0.01209**	**0.00012**
%RSD	721.11303	64.87867	331.70919	0.30554	0.87229	0.16667	6.40187	0.72612	1119.17680

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	23.62608	0.00590	0.04407	-0.00062	-0.00007	0.00268	0.00240	-0.00267	-0.00327
#2	23.58187	0.00654	0.04407	-0.00097	-0.00054	0.00729	-0.00218	-0.00012	-0.00142
Mean	**23.60398**	**0.00622**	**0.04407**	**-0.00080**	**-0.00030**	**0.00498**	**0.00011**	**-0.00140**	**-0.00234**
%RSD	0.13244	7.22052	0.00000	31.41488	110.21849	65.50069	3055.43034	128.78909	55.81399

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.86889	0.00533	0.04276	-0.00053	0.00113	-0.00780	0.00052	0.00544	0.00001
#2	0.86839	-0.00067	0.04269	-0.00048	0.00162	-0.01969	0.00030	0.00482	-0.00005
Mean	**0.86864**	**0.00233**	**0.04272**	**-0.00051**	**0.00138**	**-0.01374**	**0.00041**	**0.00513**	**-0.00002**
%RSD	0.04106	181.77509	0.11627	7.14651	25.18367	61.17334	39.56381	8.54856	256.32724

	Pb	**Se**
	calc	calc
#1	-0.00025	-0.00307
#2	-0.00069	-0.00099
Mean	**-0.00047**	**-0.00203**
%RSD	65.58763	72.55955

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:37
SampleId1 : 1705242-2 10X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 17:01:54
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	-0.00120	-0.01926	0.00305	0.00770	0.03423	-0.00028	-0.01057	0.40942	-0.00065
#2	-0.00007	-0.02225	-0.00039	0.00516	0.03423	-0.00033	-0.01083	0.40942	-0.00063
Mean	**-0.00064**	**-0.02076**	**0.00133**	**0.00643**	**0.03423**	**-0.00031**	**-0.01070**	**0.40942**	**-0.00064**
%RSD	124.86017	10.17482	183.07138	27.97468	0.00000	9.77967	1.72945	0.00000	2.87931

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00058	-0.00007	0.00046	0.30086	0.39000	0.01034	0.07466	0.01277	-0.00049
#2	-0.00058	0.00029	0.00030	0.30177	0.39251	0.01036	0.07656	0.01265	-0.00080
Mean	**-0.00058**	**0.00011**	**0.00038**	**0.30131**	**0.39126**	**0.01035**	**0.07561**	**0.01271**	**-0.00064**
%RSD	0.03487	235.50468	30.78356	0.21328	0.45296	0.16397	1.77518	0.69066	33.33966

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

#1	23.74928	0.00662	0.04407	-0.00853	0.00187	0.00729	-0.00319	0.00569	0.00384
#2	23.73417	0.00662	0.04407	-0.00290	0.00182	0.00268	0.00020	0.00029	0.00588
Mean	**23.74172**	**0.00662**	**0.04407**	**-0.00572**	**0.00185**	**0.00498**	**-0.00150**	**0.00299**	**0.00486**
%RSD	0.04500	0.00000	0.00000	69.65296	1.94486	65.50069	160.34463	127.62654	29.72790

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.87166	-0.00187	0.04297	-0.00043	0.00224	-0.02565	-0.00090	0.00627	-0.00062
#2	0.87494	-0.00467	0.04299	-0.00057	-0.00782	-0.02922	-0.00044	0.00599	-0.00045
Mean	**0.87330**	**-0.00327**	**0.04298**	**-0.00050**	**-0.00279**	**-0.02744**	**-0.00067**	**0.00613**	**-0.00054**
%RSD	0.26526	60.61859	0.02889	19.38387	255.25054	9.19433	48.19797	3.20413	22.22006

	Pb	**Se**
	calc	calc
#1	-0.00159	0.00446
#2	0.00025	0.00402
Mean	**-0.00067**	**0.00424**
%RSD	194.16300	7.26786

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:38
SampleId1 : IP170520-3MB SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 17:06:07
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	0.00057	-0.02927	0.00428	-0.00353	-0.00023	-0.00027	0.00399	0.01008	-0.00066
#2	-0.00101	-0.02579	-0.00187	-0.00332	-0.00035	-0.00027	-0.00329	0.00864	-0.00083
Mean	**-0.00022**	**-0.02753**	**0.00121**	**-0.00343**	**-0.00029**	**-0.00027**	**0.00035**	**0.00936**	**-0.00075**
%RSD	510.43944	8.93491	360.21793	4.37348	30.39978	0.77781	1464.26087	10.87862	16.10478

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00014	-0.00068	-0.00105	0.03433	0.16447	0.00335	-0.00316	0.00011	-0.00095
#2	-0.00012	-0.00087	-0.00071	0.03387	0.15896	0.00332	0.00127	-0.00001	-0.00087
Mean	**0.00001**	**-0.00077**	**-0.00088**	**0.03410**	**0.16171**	**0.00334**	**-0.00095**	**0.00005**	**-0.00091**
%RSD	1547.53335	17.91131	27.23623	0.94081	2.41030	0.63532	329.98339	183.01317	5.90058

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.06352	-0.00003	-0.04576	-0.00042	-0.00104	-0.00194	-0.00260	0.00698	0.00166
#2	0.06313	-0.00079	-0.04576	-0.00094	-0.00021	0.00268	-0.00339	0.00072	0.00264
Mean	**0.06333**	**-0.00041**	**-0.04576**	**-0.00068**	**-0.00062**	**0.00037**	**-0.00300**	**0.00385**	**0.00215**
%RSD	0.43798	132.51417	0.00000	53.44891	94.35731	889.00098	18.84629	114.93987	32.00105

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00328	0.00373	-0.00108	-0.00038	0.00280	-0.02062	0.00000	0.00154	-0.00012

#2	-0.00050	-0.00267	-0.00105	-0.00067	0.00106	-0.02656	-0.00057	0.00300	-0.00039
Mean	**0.00139**	**0.00053**	**-0.00106**	**-0.00053**	**0.00193**	**-0.02359**	**-0.00028**	**0.00227**	**-0.00026**
%RSD	192.47932	847.35408	2.33482	39.17706	63.92409	17.81380	143.87220	45.42650	75.13558

	Pb	**Se**
	calc	calc
#1	-0.00083	0.00343
#2	-0.00045	0.00200
Mean	**-0.00064**	**0.00272**
%RSD	42.10731	37.34420

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:38
SampleId1 : IP170520-3LCS SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 17:07:08
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	0.00019	2.06766	1.02694	1.02926	1.01700	0.05108	-0.00532	0.01800	0.05147
#2	-0.00064	2.03687	1.01942	1.02407	1.01501	0.05097	-0.00168	0.01764	0.05038
Mean	**-0.00022**	**2.05226**	**1.02318**	**1.02667**	**1.01600**	**0.05102**	**-0.00350**	**0.01782**	**0.05093**
%RSD	259.95653	1.06083	0.51990	0.35727	0.13855	0.15530	73.50491	1.42851	1.52308

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.51492	0.21631	0.26030	1.05188	0.17900	0.00349	0.00380	0.54302	0.99569
#2	0.51517	0.21488	0.26165	1.04731	0.18501	0.00350	-0.00569	0.54265	0.99417
Mean	**0.51504**	**0.21560**	**0.26098**	**1.04960**	**0.18201**	**0.00350**	**-0.00095**	**0.54284**	**0.99493**
%RSD	0.03482	0.46818	0.36492	0.30751	2.33628	0.24258	707.10936	0.04870	0.10824

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.06754	0.53844	0.04407	0.53958	0.51699	-0.01117	0.53634	2.16029	2.06527
#2	0.06764	0.53980	-0.04576	0.53852	0.51942	-0.02502	0.53415	2.15541	2.14654
Mean	**0.06759**	**0.53912**	**-0.00085**	**0.53905**	**0.51821**	**-0.01810**	**0.53525**	**2.15785**	**2.10591**
%RSD	0.10259	0.17767	7486.77926	0.13864	0.33109	54.10919	0.28896	0.15965	2.72897

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.06657	0.53333	0.51103	0.51485	2.00640	-0.00741	0.54373	0.53533	0.00011
#2	1.06553	0.52534	0.50957	0.51533	1.99592	-0.02642	0.54264	0.53615	-0.00020
Mean	**1.06605**	**0.52933**	**0.51030**	**0.51509**	**2.00116**	**-0.01692**	**0.54318**	**0.53574**	**-0.00005**
%RSD	0.06896	1.06794	0.20329	0.06567	0.37060	79.48649	0.14144	0.10818	484.19922

	Pb	**Se**
	calc	calc
#1	0.52451	2.09691
#2	0.52578	2.14950

Mean	**0.52515**	**2.12320**	**ser: STEVE WORKMAN**
%RSD	0.17053	1.75136	

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:38
SampleId1 : 1705401-1 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 17:08:10
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	-0.00147	0.37393	0.01412	0.35639	0.15770	-0.00018	-0.00405	87.81319	-0.00035
#2	-0.00166	0.36886	0.00502	0.36062	0.15789	-0.00019	-0.00847	87.85144	-0.00033
Mean	**-0.00157**	**0.37140**	**0.00957**	**0.35850**	**0.15780**	**-0.00019**	**-0.00626**	**87.83232**	**-0.00034**
%RSD	8.45684	0.96451	67.24483	0.83576	0.08335	3.75567	49.92671	0.03079	4.29233

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00044	-0.00008	0.00029	0.26860	15.61481	0.02917	12.64143	0.03314	0.00202
#2	-0.00051	0.00008	0.00046	0.26799	15.68632	0.02924	12.66239	0.03289	0.00285
Mean	**-0.00004**	**0.00000**	**0.00038**	**0.26829**	**15.65057**	**0.02921**	**12.65191**	**0.03301**	**0.00243**
%RSD	1901.98215	2578.11499	31.41233	0.15966	0.32311	0.15980	0.11717	0.53195	24.29444

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	99.62850	0.00040	0.22380	-0.00150	0.00163	20.50210	-0.00477	-0.00041	0.00559
#2	99.84960	-0.00015	0.22380	-0.00512	0.00180	20.57056	-0.00697	0.00556	0.00247
Mean	**99.73905**	**0.00012**	**0.22380**	**-0.00331**	**0.00172**	**20.53633**	**-0.00587**	**0.00257**	**0.00403**
%RSD	0.15675	317.52113	0.00000	77.17741	6.77526	0.23574	26.42498	163.96106	54.64440

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	13.53628	0.00213	0.64401	0.00467	0.00634	-0.02086	0.00966	0.00333	-0.00276
#2	13.55441	0.00053	0.64504	0.00411	0.00721	-0.02086	0.01001	0.00334	-0.00264
Mean	**13.54535**	**0.00133**	**0.64452**	**0.00439**	**0.00678**	**-0.02086**	**0.00983**	**0.00333**	**-0.00270**
%RSD	0.09465	85.13697	0.11268	9.10371	9.06948	0.00213	2.46571	0.14942	3.23279

	Pb	**Se**
	calc	calc
#1	0.00059	0.00359
#2	-0.00050	0.00350
Mean	**0.00004**	**0.00355**
%RSD	1839.83304	1.79852

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:38
SampleId1 : 1705401-1D **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 17:09:13
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE47

Final concentrations **6:47 User: STEVE WORKMAN**

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00055	0.34601	0.01239	0.34812	0.15454	-0.00018	0.00037	86.17482	-0.00065
#2	-0.00111	0.34952	0.00600	0.34992	0.15535	-0.00022	-0.00795	86.48276	-0.00065
Mean	**-0.00083**	**0.34777**	**0.00920**	**0.34902**	**0.15495**	**-0.00020**	**-0.00379**	**86.32879**	**-0.00065**
%RSD	47.80309	0.71408	49.14798	0.36485	0.36783	14.03876	155.21923	0.25223	0.02466

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00061	-0.00048	0.00079	0.25936	15.23538	0.02857	12.40194	0.03165	0.00148
#2	0.00000	0.00008	0.00063	0.25951	15.35843	0.02876	12.48706	0.03165	0.00004
Mean	**0.00031**	**-0.00020**	**0.00071**	**0.25943**	**15.29691**	**0.02867**	**12.44450**	**0.03165**	**0.00076**
%RSD	139.15230	198.70614	16.47358	0.04127	0.56882	0.47358	0.48367	0.00000	134.13120

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	97.06174	0.00129	0.31371	-0.00242	0.00074	20.08670	-0.00218	-0.00083	-0.00016
#2	97.85363	0.00044	0.31371	-0.00470	0.00233	20.14604	-0.00219	0.00926	-0.00084
Mean	**97.45768**	**0.00086**	**0.31371**	**-0.00356**	**0.00154**	**20.11637**	**-0.00218**	**0.00421**	**-0.00050**
%RSD	0.57456	69.34102	0.00000	45.20492	73.24415	0.20862	0.50867	169.17195	96.97383

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	13.22370	0.00493	0.63184	0.00387	0.00262	-0.01134	0.00966	0.00449	-0.00243
#2	13.33641	0.00253	0.63452	0.00417	0.00535	-0.01610	0.00915	0.00422	-0.00224
Mean	**13.28006**	**0.00373**	**0.63318**	**0.00402**	**0.00398**	**-0.01372**	**0.00940**	**0.00435**	**-0.00233**
%RSD	0.60015	45.51925	0.29858	5.42032	48.44328	24.50631	3.86102	4.36744	5.76829

	Pb	**Se**
	calc	calc
#1	-0.00031	-0.00038
#2	-0.00001	0.00252
Mean	**-0.00016**	**0.00107**
%RSD	134.05183	191.48125

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:38
SampleId1 : 1705401-1L 5X SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 17:10:15
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	0.00020	0.04367	-0.00199	0.06715	0.03070	-0.00036	0.00166	17.15260	-0.00037
#2	-0.00055	0.04145	0.00502	0.06630	0.03101	-0.00041	-0.00224	17.16251	-0.00059
Mean	**-0.00017**	**0.04256**	**0.00151**	**0.06672**	**0.03085**	**-0.00039**	**-0.00029**	**17.15755**	**-0.00048**
%RSD	300.80836	3.69766	327.28422	0.89836	0.71021	8.14534	939.49464	0.04083	32.32710

ted: 5/22/2017 17:36:47 User: STEVE WORKMAN

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00001	0.00064	-0.00038	0.05671	2.35838	0.00751	2.50787	0.00657	0.00027
#2	-0.00016	-0.00036	0.00029	0.05656	2.35587	0.00752	2.52813	0.00657	-0.00057
Mean	**-0.00007**	**0.00014**	**-0.00004**	**0.05663**	**2.35712**	**0.00752**	**2.51800**	**0.00657**	**-0.00015**
%RSD	161.97298	495.92662	1095.52902	0.18885	0.07537	0.11287	0.56904	0.00000	392.11148

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	17.56997	0.00175	0.13392	0.00155	0.00220	3.87131	-0.00099	0.00315	0.00352
#2	17.67182	-0.00015	0.04407	-0.00466	0.00127	3.94040	-0.00139	0.00826	0.00069
Mean	**17.62090**	**0.00080**	**0.08899**	**-0.00156**	**0.00173**	**3.90586**	**-0.00119**	**0.00570**	**0.00210**
%RSD	0.40870	168.40289	71.39531	282.05712	37.84644	1.25081	23.86878	63.38168	94.81936

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.61673	-0.00267	0.12682	0.00008	0.00169	-0.01589	0.00230	0.00248	-0.00058
#2	2.62398	-0.00027	0.12731	0.00015	-0.00415	-0.01945	0.00144	0.00214	-0.00090
Mean	**2.62036**	**-0.00147**	**0.12707**	**0.00012**	**-0.00123**	**-0.01767**	**0.00187**	**0.00231**	**-0.00074**
%RSD	0.19558	115.70231	0.27396	41.49278	335.97789	14.26960	32.48972	10.32289	30.23866

	Pb	Se
	calc	calc
#1	0.00198	0.00339
#2	-0.00071	0.00321
Mean	**0.00064**	**0.00330**
%RSD	298.10983	3.86217

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:39
SampleId1 : 1705401-1MS SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 17:11:17
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	-0.00007	2.89729	1.03631	1.39230	1.16896	0.05084	-0.00223	87.83882	0.05039
#2	-0.00063	2.90146	1.03693	1.39177	1.16504	0.05062	-0.00094	87.63142	0.05046
Mean	**-0.00035**	**2.89938**	**1.03662**	**1.39204**	**1.16700**	**0.05073**	**-0.00158**	**87.73512**	**0.05043**
%RSD	112.01973	0.10173	0.04206	0.02688	0.23761	0.30343	57.55031	0.16716	0.09458

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.50537	0.20996	0.26265	1.50896	15.56731	0.02954	12.68399	0.55997	0.99417
#2	0.50768	0.20941	0.26082	1.50301	15.57037	0.02955	12.64842	0.55873	0.98373
Mean	**0.50653**	**0.20968**	**0.26173**	**1.50598**	**15.56884**	**0.02955**	**12.66621**	**0.55935**	**0.98895**
%RSD	0.32334	0.18646	0.49513	0.27937	0.01392	0.01436	0.19861	0.15755	0.74592

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	98.99525	0.52435	0.31371	0.53989	0.51537	20.40625	0.52585	2.19539	2.09734
#2	99.29674	0.52066	0.22380	0.53411	0.52828	20.30126	0.52774	2.18581	2.18355
Mean	**99.14600**	**0.52250**	**0.26876**	**0.53700**	**0.52183**	**20.35375**	**0.52680**	**2.19060**	**2.14044**
%RSD	0.21502	0.49840	23.65509	0.76074	1.74838	0.36474	0.25386	0.30907	2.84817

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	15.65889	0.52255	1.14913	0.50478	2.05425	-0.02096	0.54560	0.52623	-0.00245
#2	15.70948	0.52175	1.14371	0.50258	2.04548	-0.03165	0.54348	0.52503	-0.00269
Mean	**15.68419**	**0.52215**	**1.14642**	**0.50368**	**2.04986**	**-0.02630**	**0.54454**	**0.52563**	**-0.00257**
%RSD	0.22809	0.10791	0.33433	0.30941	0.30268	28.74446	0.27424	0.16155	6.64938

	Pb	Se
	calc	calc
#1	0.52354	2.12999
#2	0.53022	2.18431
Mean	**0.52688**	**2.15715**
%RSD	0.89679	1.78050

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:39
SampleId1 : 1705401-1MSD SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 17:12:20
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	-0.00081	2.94453	1.05802	1.42976	1.18938	0.05139	0.00144	89.48255	0.05191
#2	0.00003	2.91273	1.05457	1.42162	1.19000	0.05146	-0.00064	89.36604	0.05074
Mean	**-0.00039**	**2.92863**	**1.05630**	**1.42569**	**1.18969**	**0.05143**	**0.00040**	**89.42429**	**0.05132**
%RSD	150.84872	0.76795	0.23119	0.40413	0.03700	0.10392	369.02578	0.09213	1.61981

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.51328	0.21137	0.26817	1.50789	16.05728	0.03029	12.94511	0.56745	1.00399
#2	0.51379	0.21261	0.26800	1.51048	16.00004	0.03022	12.94892	0.56758	1.00391
Mean	**0.51353**	**0.21199**	**0.26809**	**1.50918**	**16.02866**	**0.03026**	**12.94702**	**0.56751**	**1.00395**
%RSD	0.07060	0.41344	0.04424	0.12152	0.25250	0.16826	0.02082	0.01553	0.00536

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	101.39164	0.53048	0.22380	0.54280	0.52274	20.96304	0.54139	2.20851	2.14777
#2	100.86280	0.52833	0.31371	0.53805	0.53159	20.93110	0.53822	2.22993	2.21652
Mean	**101.12722**	**0.52940**	**0.26876**	**0.54043**	**0.52716**	**20.94707**	**0.53981**	**2.21922**	**2.18215**
%RSD	0.36977	0.28836	23.65509	0.62197	1.18759	0.10783	0.41628	0.68234	2.22795

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	15.99220	0.52774	1.17093	0.51051	2.10050	-0.03284	0.55153	0.53423	-0.00314
#2	15.94994	0.53533	1.16979	0.51196	2.11595	-0.03166	0.55199	0.53370	-0.00185
Mean	**15.97107**	**0.53154**	**1.17036**	**0.51123**	**2.10823**	**-0.03225**	**0.55176**	**0.53396**	**-0.00250**
%RSD	0.18714	1.01004	0.06897	0.20086	0.51837	2.60052	0.05876	0.07068	36.71063

	Pb	**Se**
	calc	calc
#1	0.52942	2.16800
#2	0.53374	2.22099
Mean	**0.53158**	**2.19449**
%RSD	0.57498	1.70746

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:39
SampleId1 : CCV **SampleId2 :** **[CV]**
Analysis commenced : 5/22/2017 17:13:29
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	0.19132	50.81747	0.46590	0.96796	0.97333	0.48434	0.48225	49.72350	0.47651
#2	0.19260	50.85791	0.47772	0.97178	0.97607	0.48602	0.48070	49.76908	0.47420
Mean	**0.19196**	**50.83769**	**0.47181**	**0.96987**	**0.97470**	**0.48518**	**0.48147**	**49.74629**	**0.47536**
%RSD	0.47415	0.05624	1.77143	0.27787	0.19854	0.24447	0.22657	0.06479	0.34357

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.46763	0.97392	0.97469	19.66113	51.95101	0.51544	51.00273	0.97635	0.96165
#2	0.46883	0.97324	0.97502	19.71225	52.05119	0.51754	51.01880	0.97773	0.96843
Mean	**0.46823**	**0.97358**	**0.97485**	**19.68669**	**52.00110**	**0.51649**	**51.01077**	**0.97704**	**0.96504**
%RSD	0.18155	0.04969	0.02390	0.18360	0.13623	0.28751	0.02228	0.09951	0.49656

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	51.57591	0.96875	4.84290	1.00771	0.95676	4.81073	0.48322	0.97519	0.94902
#2	51.66609	0.96850	5.02544	1.00600	0.97254	4.81994	0.48388	0.97079	0.97935
Mean	**51.62100**	**0.96862**	**4.93417**	**1.00685**	**0.96465**	**4.81534**	**0.48355**	**0.97299**	**0.96418**
%RSD	0.12354	0.01854	2.61602	0.12057	1.15687	0.13521	0.09643	0.32026	2.22388

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.73584	0.98927	0.49200	0.48476	0.49288	4.90950	0.48683	0.96663	0.99191
#2	4.73101	0.98927	0.49217	0.48630	0.49772	4.91653	0.48975	0.96778	0.99530
Mean	**4.73342**	**0.98927**	**0.49209**	**0.48553**	**0.49530**	**4.91301**	**0.48829**	**0.96721**	**0.99360**
%RSD	0.07203	0.00013	0.02539	0.22396	0.69086	0.10117	0.42288	0.08394	0.24133

	Pb	**Se**
	calc	calc

#1	0.97372	0.95774	**ser: STEVE WORKMAN**
#2	0.98368	0.97650	
Mean	**0.97870**	**0.96712**	
%RSD	0.71925	1.37154	

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:40
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 5/22/2017 17:14:37
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	-0.00111	-0.00850	0.00342	-0.00088	0.00015	-0.00012	-0.00199	0.06768	-0.00034
#2	0.00056	-0.00501	0.00244	0.00028	0.00008	-0.00016	-0.00718	0.06768	-0.00029
Mean	**-0.00028**	**-0.00675**	**0.00293**	**-0.00030**	**0.00011**	**-0.00014**	**-0.00459**	**0.06768**	**-0.00031**
%RSD	426.53325	36.54391	23.75354	274.24812	38.26439	22.14249	80.08084	0.00000	12.48930

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00055	-0.00079	-0.00071	0.02510	0.17349	0.00352	0.02847	0.00023	0.00072
#2	0.00057	0.00023	-0.00039	0.02450	0.16798	0.00353	0.03227	0.00036	0.00141
Mean	**0.00001**	**-0.00028**	**-0.00055**	**0.02480**	**0.17073**	**0.00353**	**0.03037**	**0.00030**	**0.00107**
%RSD	6383.49179	258.39667	41.50928	1.72478	2.28299	0.36108	8.83888	29.63110	45.40393

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10109	-0.00028	-0.04576	-0.00468	0.00270	0.00268	0.00102	0.00015	-0.00009
#2	0.09883	0.00036	-0.04576	-0.00189	-0.00084	-0.01117	-0.00078	-0.00025	0.00020
Mean	**0.09996**	**0.00004**	**-0.04576**	**-0.00329**	**0.00093**	**-0.00425**	**0.00012**	**-0.00005**	**0.00006**
%RSD	1.59603	1185.03226	0.00000	60.10979	268.49709	230.46257	1061.13621	579.61972	363.13826

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01100	0.00533	-0.00073	-0.00048	0.00230	-0.02774	-0.00068	0.00066	0.00045
#2	-0.00997	0.00213	-0.00066	-0.00062	0.00976	-0.00159	0.00063	0.00129	0.00075
Mean	**-0.01049**	**0.00373**	**-0.00069**	**-0.00055**	**0.00603**	**-0.01467**	**-0.00003**	**0.00097**	**0.00060**
%RSD	6.94228	60.59387	7.14785	17.57699	87.57792	126.08990	3652.04892	45.98221	34.83304

	Pb	**Se**
	calc	calc
#1	0.00024	-0.00001
#2	-0.00119	0.00005
Mean	**-0.00047**	**0.00002**
%RSD	213.82514	200.06486

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:40
SampleId1 : 1705401-2 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 17:15:40

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	-0.00025	2.41492	0.00699	0.03790	0.10557	0.00004	-0.00742	19.42028	-0.00087
#2	-0.00008	2.40323	0.00268	0.03546	0.10569	-0.00001	-0.00819	19.32280	0.00005
Mean	**-0.00016**	**2.40908**	**0.00483**	**0.03668**	**0.10563**	**0.00001**	**-0.00780**	**19.37154**	**-0.00041**
%RSD	73.85738	0.34297	62.95041	4.69811	0.08299	227.23643	7.01598	0.35583	157.92217

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00061	0.00182	0.00365	1.85793	4.30896	0.00545	2.53193	0.03326	-0.00156
#2	0.00044	0.00173	0.00331	1.85594	4.27773	0.00540	2.51800	0.03314	-0.00042
Mean	**0.00052**	**0.00177**	**0.00348**	**1.85693**	**4.29335**	**0.00542**	**2.52497**	**0.03320**	**-0.00099**
%RSD	23.16460	3.82767	7.05308	0.07568	0.51436	0.62576	0.39014	0.26448	81.69184

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	6.78353	0.00116	0.31371	-0.00237	0.00233	1.72358	-0.00161	-0.00143	-0.00306
#2	6.77256	0.00154	0.13392	0.00226	0.00126	1.72358	-0.00440	0.00499	-0.00005
Mean	**6.77805**	**0.00135**	**0.22382**	**-0.00006**	**0.00179**	**1.72358**	**-0.00301**	**0.00178**	**-0.00155**
%RSD	0.11437	19.95281	56.80139	5923.17811	42.26677	0.00000	65.56012	255.10452	137.26112

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.07332	-0.00028	0.06410	0.01016	0.00635	-0.04628	0.00988	0.01105	-0.00088
#2	9.05943	0.00292	0.06420	0.01018	0.00227	-0.02251	0.00902	0.01075	-0.00081
Mean	**9.06637**	**0.00132**	**0.06415**	**0.01017**	**0.00431**	**-0.03439**	**0.00945**	**0.01090**	**-0.00084**
%RSD	0.10833	171.21044	0.11618	0.11898	67.03165	48.88419	6.41612	1.93242	5.53263

	Pb	Se
	calc	calc
#1	0.00076	-0.00252
#2	0.00159	0.00163
Mean	**0.00118**	**-0.00044**
%RSD	49.54010	660.51141

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:40
SampleId1 : 1705401-3 SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 17:16:43
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	0.00019	0.26047	0.00231	0.21559	0.10185	-0.00017	-0.00016	55.58911	-0.00026
#2	-0.00026	0.27075	0.00084	0.21941	0.10197	-0.00021	-0.00147	55.74845	-0.00037

Mean	**-0.00004**	**0.26561**	**0.00158**	**0.21750**	**0.10191**	**-0.00019**	**-0.00081**	**55.66878**	**-0.00032**
%RSD	910.73507	2.73603	66.21437	1.24000	0.08602	14.50871	113.32992	0.20240	24.39537

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00028	-0.00009	0.00012	0.00287	10.48618	0.01514	8.03773	0.00023	0.00209
#2	0.00037	-0.00043	0.00096	0.00212	10.44050	0.01516	8.03773	0.00011	0.00004
Mean	**0.00033**	**-0.00026**	**0.00054**	**0.00249**	**10.46334**	**0.01515**	**8.03773**	**0.00017**	**0.00107**
%RSD	18.50311	93.41526	111.13224	21.42764	0.30872	0.11202	0.00000	51.00424	136.21168

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	78.23125	0.00112	0.04407	-0.00127	0.00132	22.40900	-0.00097	-0.00025	-0.00408
#2	77.87087	-0.00036	0.04407	-0.00170	-0.00024	22.43180	-0.00299	0.00825	0.00098
Mean	**78.05106**	**0.00038**	**0.04407**	**-0.00149**	**0.00054**	**22.42040**	**-0.00198**	**0.00400**	**-0.00155**
%RSD	0.32649	278.23057	0.00000	20.44116	203.98708	0.07190	72.01841	150.22077	230.58613

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.07837	-0.00107	0.38169	-0.00086	0.00318	-0.00157	0.00525	0.00274	-0.00145
#2	8.05530	0.00293	0.38146	-0.00062	0.00142	-0.02415	0.00531	0.00214	-0.00159
Mean	**8.06683**	**0.00093**	**0.38157**	**-0.00074**	**0.00230**	**-0.01286**	**0.00528**	**0.00244**	**-0.00152**
%RSD	0.20226	302.71182	0.04251	22.92438	53.88309	124.18269	0.75583	17.44953	6.66631

	Pb	**Se**
	calc	calc
#1	0.00046	-0.00281
#2	-0.00073	0.00340
Mean	**-0.00013**	**0.00030**
%RSD	623.09664	1475.02273

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:40
SampleId1 : 1705401-4 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 17:17:45
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	-0.00055	0.13466	0.00317	0.20425	0.10141	-0.00016	-0.00848	52.36111	-0.00094
#2	-0.00110	0.13701	0.00121	0.20235	0.10141	-0.00019	-0.00121	52.32684	-0.00090
Mean	**-0.00082**	**0.13584**	**0.00219**	**0.20330**	**0.10141**	**-0.00018**	**-0.00485**	**52.34398**	**-0.00092**
%RSD	46.85715	1.22145	63.50721	0.66331	0.00000	10.68390	106.14842	0.04630	2.98444

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00040	-0.00068	0.00129	0.00242	9.84178	0.01420	7.51062	-0.00001	0.00019
#2	-0.00058	-0.00015	0.00047	0.00227	9.87728	0.01421	7.51887	-0.00001	0.00209
Mean	**-0.00049**	**-0.00041**	**0.00088**	**0.00234**	**9.85953**	**0.01420**	**7.51475**	**-0.00001**	**0.00114**

%RSD	24.84890	91.27994	66.32359	4.56201	0.25463	0.05975	0.07758	0.00000	117.72297

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	72.13843	0.00095	0.04407	-0.00016	-0.00147	23.32980	-0.00059	0.01011	0.00263
#2	72.31908	0.00091	0.04407	-0.00369	-0.00264	23.41638	-0.00477	0.00199	0.00487
Mean	**72.22875**	**0.00093**	**0.04407**	**-0.00193**	**-0.00206**	**23.37309**	**-0.00268**	**0.00605**	**0.00375**
%RSD	0.17685	3.22953	0.00000	129.38803	40.28628	0.26195	110.48221	94.86805	42.18906

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	7.68849	0.00333	0.35547	-0.00070	0.00404	-0.01108	0.00480	0.00213	-0.00161
#2	7.69059	0.00173	0.35531	-0.00052	0.00154	-0.03366	0.00405	0.00039	-0.00161
Mean	**7.68954**	**0.00253**	**0.35539**	**-0.00061**	**0.00279**	**-0.02237**	**0.00443**	**0.00126**	**-0.00161**
%RSD	0.01928	44.65101	0.03158	21.79781	63.28327	71.39386	11.85654	97.54798	0.01729

	Pb	Se
	calc	calc
#1	-0.00104	0.00512
#2	-0.00299	0.00391
Mean	**-0.00201**	**0.00452**
%RSD	68.65359	18.95219

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:40
SampleId1 : 1705401-5 SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 17:18:47
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	-0.00036	0.20395	0.00268	0.19980	0.09181	-0.00018	0.00322	51.41174	-0.00060
#2	-0.00044	0.19271	0.00600	0.19461	0.09150	-0.00019	-0.00043	51.33717	-0.00070
Mean	**-0.00040**	**0.19833**	**0.00434**	**0.19721**	**0.09165**	**-0.00019**	**0.00139**	**51.37446**	**-0.00065**
%RSD	13.99322	4.00845	54.06216	1.86146	0.23912	3.08564	184.76817	0.10264	10.58208

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00036	0.00024	0.00062	0.01210	9.86359	0.01406	7.33684	-0.00001	0.00148
#2	0.00018	-0.00003	0.00046	0.01179	9.83772	0.01400	7.30830	-0.00001	0.00095
Mean	**0.00027**	**0.00010**	**0.00054**	**0.01195**	**9.85066**	**0.01403**	**7.32257**	**-0.00001**	**0.00122**
%RSD	45.25174	183.80301	20.65170	1.79021	0.18568	0.30244	0.27559	0.00000	30.90440

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	71.43534	0.00133	0.04407	0.00034	-0.00448	22.47739	0.00242	0.00827	-0.00496
#2	71.16159	-0.00019	0.04407	-0.00351	-0.00013	22.37708	-0.00458	0.01095	-0.00223
Mean	**71.29847**	**0.00057**	**0.04407**	**-0.00159**	**-0.00230**	**22.42724**	**-0.00108**	**0.00961**	**-0.00359**
%RSD	0.27149	190.03923	0.00000	171.34916	133.41242	0.31626	458.24438	19.74667	53.61185

ted: 5/22/2017 17:36:47 User: STEVE WORKMAN

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	7.59643	0.00093	0.35246	-0.00093	-0.00465	-0.01109	0.00469	0.02977	-0.00142
#2	7.57857	-0.00107	0.35083	-0.00070	0.00652	-0.02773	0.00497	0.02946	-0.00193
Mean	**7.58750**	**-0.00007**	**0.35164**	**-0.00082**	**0.00093**	**-0.01941**	**0.00483**	**0.02961**	**-0.00168**
%RSD	0.16642	2155.73024	0.32629	19.27802	847.86121	60.63355	4.17700	0.72931	21.23720

	Pb	Se
	calc	calc
#1	-0.00287	-0.00055
#2	-0.00126	0.00216
Mean	**-0.00206**	**0.00080**
%RSD	55.44252	239.06040

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:41
SampleId1 : 1705401-6 SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 17:19:49
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	-0.00127	0.15115	0.01326	0.35384	0.11852	-0.00011	-0.00459	53.69955	-0.00080
#2	-0.00117	0.15018	0.00502	0.35342	0.11933	-0.00014	-0.00875	53.62290	-0.00079
Mean	**-0.00122**	**0.15066**	**0.00914**	**0.35363**	**0.11893**	**-0.00012**	**-0.00667**	**53.66123**	**-0.00079**
%RSD	5.72001	0.45337	63.75126	0.08473	0.47917	15.59005	44.14598	0.10100	1.26129

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00099	-0.00150	0.00030	0.12857	18.23473	0.02923	14.43662	0.01848	0.00027
#2	-0.00064	-0.00098	0.00081	0.12948	18.25164	0.02927	14.44234	0.01861	0.00088
Mean	**-0.00081**	**-0.00124**	**0.00056**	**0.12902**	**18.24319**	**0.02925**	**14.43948**	**0.01855**	**0.00057**
%RSD	29.94562	30.06377	64.29289	0.49757	0.06554	0.08703	0.02802	0.47337	75.26084

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	91.53745	-0.00007	0.13392	-0.00639	0.00317	19.82645	-0.00638	-0.00114	0.00236
#2	91.33672	-0.00007	0.13392	-0.00412	0.00280	19.98169	-0.00378	0.00581	0.00314
Mean	**91.43709**	**-0.00007**	**0.13392**	**-0.00525**	**0.00299**	**19.90407**	**-0.00508**	**0.00233**	**0.00275**
%RSD	0.15523	0.00000	0.00000	30.55391	8.76714	0.55150	36.23311	210.56973	20.04697

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	11.54218	0.00613	0.41681	0.00162	0.00132	-0.04212	0.00745	0.00562	-0.00304
#2	11.52618	0.00613	0.41820	0.00166	-0.00092	-0.05163	0.00774	0.00505	-0.00270
Mean	**11.53418**	**0.00613**	**0.41751**	**0.00164**	**0.00020**	**-0.04687**	**0.00760**	**0.00533**	**-0.00287**
%RSD	0.09808	0.00046	0.23620	1.47595	778.36616	14.34898	2.66766	7.47710	8.38688

	Pb	Seser: STEVE WORKMAN
	calc	calc
#1	-0.00001	0.00119
#2	0.00050	0.00403
Mean	**0.00024**	**0.00261**
%RSD	148.64259	76.80303

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:41
SampleId1 : 1705401-7 SampleId2 : [SAMPLE]
Analysis commenced : 5/22/2017 17:20:51
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	-0.00072	0.38295	0.00858	0.21824	0.15312	-0.00014	0.00010	75.40520	-0.00103
#2	0.00029	0.37444	0.00772	0.21718	0.15361	-0.00013	0.00271	75.34325	-0.00124
Mean	**-0.00022**	**0.37870**	**0.00815**	**0.21771**	**0.15336**	**-0.00013**	**0.00141**	**75.37423**	**-0.00113**
%RSD	328.93150	1.58889	7.46410	0.34411	0.22869	5.20856	130.97717	0.05812	13.07325

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00026	0.00013	0.00130	0.28480	14.31179	0.02086	8.87011	0.02382	0.00171
#2	0.00069	0.00023	0.00145	0.28450	14.32862	0.02090	8.88661	0.02395	0.00034
Mean	**0.00048**	**0.00018**	**0.00138**	**0.28465**	**14.32020**	**0.02088**	**8.87836**	**0.02388**	**0.00103**
%RSD	63.93074	37.13456	7.62494	0.07525	0.08310	0.14225	0.13139	0.36758	94.16701

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	54.04485	0.00040	0.31371	0.00028	0.00149	13.02395	-0.00058	0.00597	0.00306
#2	54.05785	0.00201	0.22380	-0.00125	0.00067	13.04686	-0.00259	-0.00096	-0.00268
Mean	**54.05135**	**0.00120**	**0.26876**	**-0.00048**	**0.00108**	**13.03541**	**-0.00158**	**0.00250**	**0.00019**
%RSD	0.01700	94.62937	23.65509	223.45649	53.28370	0.12431	89.92639	195.54003	2160.91237

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	12.81211	0.00453	0.39528	0.00383	0.00485	-0.03633	0.00898	0.00216	-0.00208
#2	12.83909	0.00453	0.39598	0.00424	0.00325	-0.00067	0.00921	0.00305	-0.00214
Mean	**12.82560**	**0.00453**	**0.39563**	**0.00404**	**0.00405**	**-0.01850**	**0.00910**	**0.00261**	**-0.00211**
%RSD	0.14871	0.00746	0.12617	7.19645	27.83933	136.29731	1.77737	24.00160	2.29071

	Pb	Se
	calc	calc
#1	0.00109	0.00403
#2	0.00003	-0.00211
Mean	**0.00056**	**0.00096**
%RSD	132.64135	452.29056

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:41

SampleId1 : 1705402-1 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 17:21:54
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	-0.00017	6.36192	0.00600	0.00770	0.08579	0.00021	-0.00641	10.95055	0.00012
#2	0.00085	6.34778	0.00834	0.00834	0.08616	0.00020	0.00165	10.96476	0.00001
Mean	**0.00034**	**6.35485**	**0.00717**	**0.00802**	**0.08598**	**0.00021**	**-0.00238**	**10.95765**	**0.00006**
%RSD	211.10898	0.15734	23.03901	5.60720	0.30586	4.97250	239.75221	0.09172	129.09017

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00301	0.00937	0.01987	6.52423	2.25035	0.00797	2.87010	0.15264	-0.00049
#2	0.00370	0.00992	0.02019	6.52973	2.24482	0.00796	2.86124	0.15264	-0.00042
Mean	**0.00336**	**0.00964**	**0.02003**	**6.52698**	**2.24759**	**0.00797**	**2.86567**	**0.15264**	**-0.00045**
%RSD	14.51656	4.03158	1.15272	0.05954	0.17388	0.05327	0.21878	0.00000	11.81728

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.88528	0.00819	0.40365	0.01756	0.01719	0.28422	0.00236	0.00030	0.00046
#2	0.87471	0.00895	0.31371	0.02019	0.01668	0.29807	-0.00264	-0.00352	0.00144
Mean	**0.88000**	**0.00857**	**0.35868**	**0.01888**	**0.01693**	**0.29114**	**-0.00014**	**-0.00161**	**0.00095**
%RSD	0.84995	6.28864	17.72993	9.85854	2.14796	3.36266	2499.45001	167.73544	72.42520

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	13.90923	0.00284	0.04769	0.08094	-0.00424	-0.02139	0.01206	0.36597	-0.00192
#2	13.84822	0.00004	0.04771	0.08047	0.00260	-0.00595	0.01275	0.36746	-0.00159
Mean	**13.87872**	**0.00144**	**0.04770**	**0.08070**	**-0.00082**	**-0.01367**	**0.01240**	**0.36671**	**-0.00176**
%RSD	0.31084	137.50810	0.02603	0.40483	587.47573	79.91145	3.92107	0.28808	13.19008

	Pb	Se
	calc	calc
#1	0.01731	0.00041
#2	0.01785	-0.00021
Mean	**0.01758**	**0.00010**
%RSD	2.14512	450.72980

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:41
SampleId1 : CCV **SampleId2 :** **[CV]**
Analysis commenced : 5/22/2017 17:25:13
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	0.19368	50.55289	0.49225	0.96648	0.96699	0.48514	0.48687	49.80440	0.47694
#2	0.19030	50.65027	0.46812	0.96542	0.97103	0.48646	0.49359	49.88265	0.47611
Mean	**0.19199**	**50.60158**	**0.48018**	**0.96595**	**0.96901**	**0.48580**	**0.49023**	**49.84353**	**0.47652**
%RSD	1.24249	0.13608	3.55369	0.07750	0.29502	0.19203	0.96987	0.11101	0.12338

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.46943	0.97422	0.97204	19.66735	51.71925	0.51403	50.94808	0.97473	0.96805
#2	0.46857	0.97669	0.97253	19.73243	51.82047	0.51467	51.05160	0.97823	0.96995
Mean	**0.46900**	**0.97545**	**0.97229**	**19.69989**	**51.76986**	**0.51435**	**50.99984**	**0.97648**	**0.96900**
%RSD	0.12937	0.17905	0.03590	0.23359	0.13826	0.08908	0.14353	0.25344	0.13891

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	51.74249	0.97264	4.84290	1.01416	0.96540	4.87519	0.48804	0.97830	0.95524
#2	51.72252	0.97582	5.11675	1.00332	0.97173	4.81534	0.48626	0.96920	0.98119
Mean	**51.73250**	**0.97423**	**4.97982**	**1.00874**	**0.96857**	**4.84526**	**0.48715**	**0.97375**	**0.96822**
%RSD	0.02730	0.23040	3.88862	0.75926	0.46215	0.87342	0.25838	0.66086	1.89538

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.72691	0.99806	0.48629	0.48080	0.48372	4.88116	0.48654	0.97578	0.98989
#2	4.73053	0.99686	0.48813	0.48339	0.49561	4.89290	0.48901	0.97176	0.99216
Mean	**4.72872**	**0.99746**	**0.48721**	**0.48209**	**0.48966**	**4.88703**	**0.48778**	**0.97377**	**0.99102**
%RSD	0.05413	0.08516	0.26672	0.38094	1.71748	0.16982	0.35832	0.29158	0.16171

	Pb	**Se**
	calc	calc
#1	0.98164	0.96292
#2	0.98225	0.97720
Mean	**0.98194**	**0.97006**
%RSD	0.04432	1.04092

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:41
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 5/22/2017 17:26:22
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	-0.00036	-0.01064	0.00391	-0.00311	0.00008	-0.00010	-0.00901	0.06696	-0.00015
#2	-0.00093	-0.00952	0.00244	-0.00279	0.00008	-0.00016	-0.00016	0.06840	-0.00014
Mean	**-0.00065**	**-0.01008**	**0.00317**	**-0.00295**	**0.00008**	**-0.00013**	**-0.00459**	**0.06768**	**-0.00015**
%RSD	62.94963	7.89608	32.86987	7.62074	0.00000	33.88744	136.38200	1.50454	5.33073

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00055	-0.00111	-0.00037	0.02616	0.18201	0.00355	0.02911	0.00023	-0.00080

#2	-0.00003	0.00016	-0.00005	0.02555	0.18602	0.00358	0.03037	0.00036	0.00027
Mean	**-0.00029**	**-0.00048**	**-0.00021**	**0.02586**	**0.18401**	**0.00356**	**0.02974**	**0.00030**	**-0.00026**
%RSD	126.46410	187.97641	109.53222	1.65418	1.54056	0.47617	3.00898	29.63110	284.16910

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09452	-0.00066	-0.04576	-0.00433	0.00330	-0.00194	-0.00299	-0.00255	0.00293
#2	0.09373	-0.00036	0.04407	-0.00237	-0.00083	0.00729	-0.00119	-0.00353	0.00001
Mean	**0.09412**	**-0.00051**	**-0.00085**	**-0.00335**	**0.00124**	**0.00268**	**-0.00209**	**-0.00304**	**0.00147**
%RSD	0.58953	40.89027	7486.77926	41.32668	236.14422	244.02390	60.98429	22.74884	140.63867

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01325	-0.00107	-0.00075	-0.00064	0.00081	-0.02774	-0.00120	0.00094	0.00014
#2	-0.01067	-0.00147	-0.00071	-0.00062	-0.00589	-0.00991	-0.00011	0.00040	0.00052
Mean	**-0.01196**	**-0.00127**	**-0.00073**	**-0.00063**	**-0.00254**	**-0.01883**	**-0.00065**	**0.00067**	**0.00033**
%RSD	15.27829	22.34559	3.40198	1.92760	186.19500	66.96920	117.55301	56.08674	82.46565

	Pb	**Se**
	calc	calc
#1	0.00076	0.00110
#2	-0.00134	-0.00117
Mean	**-0.00029**	**-0.00003**
%RSD	508.86561	5031.61830

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:42
SampleId1 : CRI **SampleId2 :** **[CV]**
Analysis commenced : 5/22/2017 17:27:30
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	0.01984	0.40967	0.01018	0.40437	0.41787	0.01024	0.04968	5.29779	0.01018
#2	0.02040	0.40558	0.01006	0.40289	0.41930	0.01025	0.04761	5.31554	0.01001
Mean	**0.02012**	**0.40763**	**0.01012**	**0.40363**	**0.41859**	**0.01024**	**0.04864**	**5.30667**	**0.01009**
%RSD	1.94819	0.70895	0.85904	0.25980	0.24114	0.09658	3.01741	0.23647	1.17160

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10303	0.02179	0.05254	0.22090	4.25607	0.01915	5.26492	0.03276	0.02057
#2	0.10364	0.02194	0.05254	0.22014	4.24348	0.01911	5.27633	0.03289	0.02072
Mean	**0.10334**	**0.02186**	**0.05254**	**0.22052**	**4.24978**	**0.01913**	**5.27063**	**0.03282**	**0.02064**
%RSD	0.41299	0.49439	0.00750	0.24274	0.20952	0.13308	0.15305	0.26748	0.52087

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.48894	0.08669	0.31371	0.01009	0.00571	0.21499	0.12814	0.00890	0.01122
#2	4.47626	0.08766	0.13392	0.00388	0.00614	0.18730	0.12315	0.00465	0.00898

Mean	**4.48260**	**0.08717**	**0.22382**	**0.00699**	**0.00593**	**0.20115**	**0.12565**	**0.00677**	**0.01010**
%RSD	0.20008	0.78990	56.80139	62.79088	5.05850	9.73487	2.80737	44.39645	15.66810

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09793	0.10170	0.01986	0.02009	0.01976	0.19670	0.10605	0.04158	0.05522
#2	0.09965	0.10330	0.01986	0.02006	0.01505	0.20740	0.10668	0.04217	0.05501
Mean	**0.09879**	**0.10250**	**0.01986**	**0.02008**	**0.01740**	**0.20205**	**0.10637**	**0.04188**	**0.05511**
%RSD	1.23140	1.10361	0.00000	0.12058	19.14775	3.74343	0.41768	1.00296	0.27107

	Pb	**Se**
	calc	calc
#1	0.00717	0.01045
#2	0.00539	0.00754
Mean	**0.00628**	**0.00899**
%RSD	20.07674	22.87131

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:42
SampleId1 : LCV **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/22/2017 17:28:38
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD7

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00932	0.17524	0.02494	0.09724	0.10228	0.00482	0.00934	1.03597	0.00442
#2	0.00988	0.16943	0.02862	0.09682	0.10179	0.00475	0.01038	1.02912	0.00437
Mean	**0.00960**	**0.17233**	**0.02678**	**0.09703**	**0.10203**	**0.00479**	**0.00986**	**1.03255**	**0.00439**
%RSD	4.13891	2.38427	9.73949	0.30888	0.34367	1.13458	7.45171	0.46897	0.83468

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01958	0.01127	0.01992	0.10754	0.91500	0.01673	1.04607	0.01041	0.01973
#2	0.02070	0.01083	0.01926	0.10875	0.91901	0.01669	1.03848	0.01054	0.02041
Mean	**0.02014**	**0.01105**	**0.01959**	**0.10814**	**0.91700**	**0.01671**	**1.04228**	**0.01048**	**0.02007**
%RSD	3.91888	2.81265	2.41326	0.79143	0.30943	0.20312	0.51528	0.83797	2.41048

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.86799	0.02093	0.22380	0.01967	0.01955	0.19192	0.05211	0.03618	0.02960
#2	0.86047	0.02089	0.31371	0.01904	0.02197	0.19192	0.04992	0.03347	0.03369
Mean	**0.86423**	**0.02091**	**0.26876**	**0.01935**	**0.02076**	**0.19192**	**0.05101**	**0.03482**	**0.03165**
%RSD	0.61462	0.14317	23.65509	2.32971	8.21358	0.00000	3.03533	5.48427	9.13358

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09604	0.05251	0.01918	0.01960	0.02841	0.19206	0.02038	0.02203	0.02127
#2	0.09259	0.05051	0.01898	0.01984	0.02890	0.19087	0.02055	0.02172	0.02127
Mean	**0.09431**	**0.05151**	**0.01908**	**0.01972**	**0.02865**	**0.19147**	**0.02047**	**0.02187**	**0.02127**

%RSD	2.58162	2.74577	0.71571	0.85944	1.22492	0.43936	0.59111	1.01156	0.00210

	Pb	Se
	calc	calc
#1	0.01959	0.03179
#2	0.02099	0.03362
Mean	**0.02029**	**0.03270**
%RSD	4.86475	3.95028

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:42
SampleId1 : ICSA SampleId2 : [ICSAB]
Analysis commenced : 5/22/2017 17:29:41
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	-0.00079	262.94571	0.00834	-0.00099	0.00138	0.00027	0.00400	259.04822	-0.00007
#2	0.00007	263.16440	0.00071	-0.00343	0.00126	0.00025	-0.00563	259.03960	-0.00035
Mean	**-0.00036**	**263.05506**	**0.00453**	**-0.00221**	**0.00132**	**0.00026**	**-0.00081**	**259.04391**	**-0.00021**
%RSD	168.29026	0.05879	119.08418	78.05398	6.62460	4.90563	838.06729	0.00235	95.67879

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00023	-0.00080	-0.00393	107.92671	0.14693	0.00481	271.74224	-0.00572	0.00148
#2	0.00066	-0.00022	-0.00424	108.03697	0.14994	0.00481	271.98837	-0.00597	0.00072
Mean	**0.00045**	**-0.00051**	**-0.00408**	**107.98184**	**0.14843**	**0.00481**	**271.86531**	**-0.00585**	**0.00110**
%RSD	68.24468	80.43097	5.50214	0.07220	1.43231	0.08822	0.06402	3.00165	48.71115

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.11728	0.00061	0.04407	0.00750	-0.00245	0.04422	0.00623	0.01571	-0.00602
#2	0.11767	0.00061	0.04407	0.00040	0.00013	0.04883	0.00362	0.00119	-0.00094
Mean	**0.11747**	**0.00061**	**0.04407**	**0.00395**	**-0.00116**	**0.04653**	**0.00492**	**0.00845**	**-0.00348**
%RSD	0.23623	0.00000	0.00000	127.13964	156.93264	7.01518	37.49442	121.52013	103.22144

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00673	0.00814	0.01531	-0.00142	0.00770	0.04838	0.00313	0.00623	0.00231
#2	0.00588	0.00374	0.01526	-0.00192	-0.01540	0.01618	0.00202	0.00420	0.00260
Mean	**0.00630**	**0.00594**	**0.01529**	**-0.00167**	**-0.00385**	**0.03228**	**0.00257**	**0.00522**	**0.00245**
%RSD	9.55588	52.41193	0.24360	20.99249	424.23336	70.54124	30.64717	27.49748	8.52006

	Pb	Se
	calc	calc
#1	0.00086	0.00122
#2	0.00022	-0.00023
Mean	**0.00054**	**0.00050**
%RSD	84.44197	207.23914

ted: 5/22/2017 17:36:48 User: STEVE WORKMAN
Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:42
SampleId1 : ICSAB SampleId2 : [ICSAB]
Analysis commenced : 5/22/2017 17:30:50
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	0.20760	262.10946	0.10105	0.99411	0.52967	0.49796	0.44341	258.51094	0.98912
#2	0.20929	262.78087	0.10142	0.99369	0.52874	0.49801	0.44341	258.39842	0.98863
Mean	**0.20844**	**262.44517**	**0.10124**	**0.99390**	**0.52921**	**0.49799**	**0.44341**	**258.45468**	**0.98887**
%RSD	0.57135	0.18090	0.25770	0.03013	0.12445	0.00802	0.00063	0.03078	0.03489

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.47341	0.49823	0.53072	107.54231	0.14342	1.10954	270.78597	0.49206	0.99318
#2	0.47392	0.49652	0.53222	107.55078	0.14793	1.11129	270.94499	0.49169	0.99249
Mean	**0.47367**	**0.49737**	**0.53147**	**107.54654**	**0.14568**	**1.11041**	**270.86548**	**0.49188**	**0.99283**
%RSD	0.07625	0.24359	0.20051	0.00557	2.18910	0.11157	0.04151	0.05372	0.04881

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10099	0.98526	1.12408	0.06351	0.04689	1.01327	0.62964	0.07535	0.05013
#2	0.10089	0.97827	1.03393	0.05313	0.04937	1.01788	0.61598	0.04621	0.04848
Mean	**0.10094**	**0.98177**	**1.07900**	**0.05832**	**0.04813**	**1.01558**	**0.62281**	**0.06078**	**0.04931**
%RSD	0.06872	0.50298	5.90761	12.59118	3.63853	0.32121	1.55027	33.89892	2.37090

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.95705	1.02103	1.02410	0.98971	0.09539	10.21785	0.49973	0.94452	0.50296
#2	0.95652	1.01544	1.02211	0.99107	0.09290	10.20847	0.49848	0.94563	0.50299
Mean	**0.95679**	**1.01824**	**1.02310**	**0.99039**	**0.09415**	**10.21316**	**0.49911**	**0.94508**	**0.50298**
%RSD	0.03897	0.38843	0.13779	0.09741	1.86746	0.06493	0.17782	0.08252	0.00295

	Pb	Se
	calc	calc
#1	0.05243	0.05853
#2	0.05062	0.04772
Mean	**0.05152**	**0.05313**
%RSD	2.47883	14.38256

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:42
SampleId1 : CCV SampleId2 : [CV]
Analysis commenced : 5/22/2017 17:31:58
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	0.19412	51.16470	0.48991	0.97082	0.97713	0.49204	0.49803	50.59406	0.48147
#2	0.19498	50.97147	0.48474	0.97146	0.97563	0.49198	0.48743	50.55718	0.47980
Mean	**0.19455**	**51.06809**	**0.48733**	**0.97114**	**0.97638**	**0.49201**	**0.49273**	**50.57562**	**0.48063**
%RSD	0.31316	0.26756	0.75036	0.04625	0.10811	0.00862	1.52128	0.05156	0.24637

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.47603	0.98819	0.97816	19.94445	52.37047	0.52036	51.70172	0.99035	0.98054
#2	0.47612	0.98924	0.97483	19.95051	52.12154	0.51811	51.66378	0.99023	0.98054
Mean	**0.47608**	**0.98872**	**0.97650**	**19.94748**	**52.24600**	**0.51923**	**51.68275**	**0.99029**	**0.98054**
%RSD	0.01304	0.07505	0.24067	0.02149	0.33690	0.30559	0.05191	0.00893	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	52.55794	0.98674	4.93416	1.02881	0.97863	4.80613	0.49304	0.98365	0.95333
#2	52.29249	0.98149	4.84290	1.02594	0.99818	4.81994	0.48689	0.98833	0.99094
Mean	**52.42521**	**0.98411**	**4.88853**	**1.02737**	**0.98841**	**4.81303**	**0.48996**	**0.98599**	**0.97214**
%RSD	0.35804	0.37710	1.32003	0.19733	1.39839	0.20291	0.88816	0.33588	2.73535

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.77600	1.00684	0.49157	0.49060	0.49595	4.96468	0.49473	0.99171	1.00386
#2	4.75941	1.00205	0.49095	0.48869	0.49842	4.94933	0.49302	0.98852	1.00082
Mean	**4.76771**	**1.00444**	**0.49126**	**0.48965**	**0.49719**	**4.95701**	**0.49387**	**0.99011**	**1.00234**
%RSD	0.24600	0.33727	0.08902	0.27635	0.35056	0.21897	0.24454	0.22813	0.21397

	Pb	Se
	calc	calc
#1	0.99534	0.96343
#2	1.00742	0.99007
Mean	**1.00138**	**0.97675**
%RSD	0.85322	1.92877

Method : Paragon2 File : 170522A Printed : 5/22/2017 17:36:43
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 5/22/2017 17:33:07
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	-0.00028	-0.01252	-0.00076	-0.00099	0.00027	-0.00016	-0.00614	0.07200	-0.00012
#2	-0.00075	-0.00941	-0.00310	-0.00057	0.00008	-0.00020	-0.00354	0.07020	-0.00058
Mean	**-0.00051**	**-0.01097**	**-0.00193**	**-0.00078**	**0.00018**	**-0.00018**	**-0.00484**	**0.07110**	**-0.00035**
%RSD	65.05562	20.05833	85.65449	38.55451	74.48588	15.48042	37.98690	1.79022	93.64620

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00049	0.00036	0.00029	0.02843	0.21809	0.00365	0.03860	0.00048	0.00095
#2	0.00066	-0.00081	-0.00022	0.02979	0.20706	0.00362	0.03164	0.00036	0.00141
Mean	**0.00057**	**-0.00022**	**0.00004**	**0.02911**	**0.21258**	**0.00364**	**0.03512**	**0.00042**	**0.00118**
%RSD	21.26965	369.88715	987.42279	3.30624	3.66738	0.46674	14.01481	20.88100	27.34309

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09197	0.00137	0.04407	-0.00109	-0.00005	0.01652	-0.00098	0.00471	-0.00242
#2	0.09099	-0.00032	-0.04576	0.00022	0.00371	0.00268	-0.00037	0.00614	0.00186
Mean	**0.09148**	**0.00052**	**-0.00085**	**-0.00044**	**0.00183**	**0.00960**	**-0.00068**	**0.00543**	**-0.00028**
%RSD	0.75823	228.19013	7486.77926	213.71631	145.63466	102.00900	63.45966	18.63840	1068.51132

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01015	0.00013	-0.00068	-0.00040	-0.00465	-0.01467	-0.00017	0.00041	0.00090
#2	-0.01135	-0.00187	-0.00071	-0.00043	0.00293	-0.00516	0.00012	0.00036	0.00030
Mean	**-0.01075**	**-0.00087**	**-0.00069**	**-0.00041**	**-0.00086**	**-0.00992**	**-0.00002**	**0.00039**	**0.00060**
%RSD	7.93590	163.28607	3.57393	5.84789	623.20571	67.80546	826.25564	9.37050	69.67867

	Pb	**Se**
	calc	calc
#1	-0.00040	-0.00005
#2	0.00255	0.00328
Mean	**0.00107**	**0.00162**
%RSD	194.07810	145.65580

HEADER INFORMATION FOR ANALYTICAL SEQUENCE 170525A
Instrument: Trace2
Analyst: Steve Workman
Analysis Date: 05/25/2017

STANDARD SOLUTION CODES

Stock A (ST150604-1) Exp. 4-30-2020

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 A1	2ml of Stock A1 to a 5ml final volume.
A3	1/5 of Stock A1	1ml of Stock A1 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 (ST170420-2) Exp. 04-30-2018

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 (ST150303-11) Exp. 8-31-16

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

Standard	Dilution	Procedure
B1	1/2 of Stock B 1/500 Ag	5ml of Stock B, 0.02ml of Stock Ag 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 (ST150701-1) Exp. 7/31/18

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.
(ST170322-2) Exp. 7-31-2018

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 (ST170322-5) Exp. 05-31-2017

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 (ST170322-5) Exp. 05-31-2017

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 (ST170322-4) Exp. 05-31-2017
Made By diluting
1.0ml of CRI Stock (ST170322-3) Exp. 05-31-2017
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 (ST170420-4)
Exp. 05-31-17

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

ICSAB (ST170420-3) Exp. 05-31-17

Element	ug/ml
Ca, Mg, Al	250

Fe	100
U	10
B, Si, Li, Mo, Sn, Sr, Ti, Cd, Zn, Ni, P, S	1.0
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-88
0.1ml to 1.0ml --- M-86
0.01ml to 0.1ml --- M-56

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, Se, Ag, Tl, Si, Be
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.

50X – Dilution made by diluting 0.1ml of sample to a 5ml final volume.

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

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 SMW .

Monthly Maintenance

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

Monthly maintenance done by: SMW 05-14-2017

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

Sample Id1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
MIXAHIGH	-0.0006	497.5911	-0.0005	-0.0033	0.0025	0.0010	0.0083	494.9684	0.0009	0.0008	-0.0007	-0.0085
MIXBHIGH	2.0021	0.1168	5.0198	10.0190	10.0010	0.9889	0.0057	-0.0280	4.9754	4.9964	9.9819	10.0397
MIXCHIGH	-0.0038	0.4426	-0.0019	0.0275	0.0018	0.0002	5.0314	-0.0597	-0.0007	0.0065	-0.0078	0.0045
ICV	0.1000	25.5870	0.2481	0.5067	0.5094	0.2554	0.2540	25.0492	0.2435	0.2453	0.5097	0.4963
ICB	-0.0005	-0.0348	0.0018	-0.0019	0.0001	-0.0004	-0.0042	0.0141	-0.0001	-0.0009	-0.0004	0.0007
CRI	0.0212	0.4189	0.0092	0.4227	0.4377	0.0106	0.0579	5.3017	0.0104	0.1053	0.0225	0.0534
LIV	0.0095	0.1704	0.0298	0.1001	0.1073	0.0050	0.0127	1.0224	0.0055	0.0194	0.0107	0.0209
ICSA	-0.0001	260.8552	-0.0024	-0.0027	0.0018	0.0003	0.0014	255.9027	0.0000	0.0002	-0.0008	-0.0023
ICSAB	0.2132	263.1807	0.1070	1.0292	0.5513	0.5072	0.4488	255.6154	1.0041	0.4819	0.5064	0.5463
CCV	0.1982	51.3402	0.4881	1.0179	1.0146	0.5034	0.5006	50.1857	0.4921	0.4849	1.0095	0.9909
CCB	-0.0006	-0.0223	0.0002	-0.0010	0.0002	-0.0004	0.0013	0.0216	0.0002	-0.0001	0.0004	0.0003
EX170523-5	-0.0006	-0.0222	-0.0013	0.0042	0.0095	-0.0003	-0.0002	0.0744	0.0000	-0.0011	-0.0005	0.0002
IP170524-4LCS	-0.0001	1.9914	0.9722	0.9986	1.0350	0.0515	0.0002	0.0294	0.0488	0.5140	0.2177	0.2678
1705312-16	-0.0006	-0.0123	0.0060	0.0270	0.0492	-0.0002	0.0012	219.2028	0.0010	0.0000	-0.0003	0.0014
1705312-16D	-0.0002	-0.0141	0.0019	0.0259	0.0492	-0.0002	-0.0012	220.5222	0.0009	0.0001	0.0004	0.0020
1705312-16L 5X	-0.0007	-0.0220	-0.0001	0.0022	0.0099	-0.0003	0.0011	42.7083	0.0001	-0.0003	-0.0005	0.0007
1705312-16MS	0.0007	1.9975	0.9611	0.9991	1.0549	0.0482	-0.0001	220.7993	0.0483	0.4810	0.2001	0.2603
1705312-16MSD	0.0009	1.8971	0.9120	0.9530	0.9995	0.0458	0.0013	206.1264	0.0461	0.4571	0.1916	0.2464
Z	0.0000	-0.0341	0.0054	-0.0025	0.0009	-0.0003	0.0034	0.0162	-0.0002	0.0001	0.0000	0.0007
IP170522-10MB	0.0007	-0.0287	0.0041	-0.0028	0.0006	-0.0003	0.0002	0.0233	-0.0002	0.0003	0.0001	0.0005
Z	0.1056	2.1214	1.0352	1.0678	1.0500	0.0533	0.0022	40.3915	0.0507	0.5131	0.2132	0.2640
CCV	0.1998	51.3039	0.4926	1.0143	1.0136	0.5013	0.5027	49.7363	0.4886	0.4830	1.0029	0.9958
CCB	0.0002	-0.0197	0.0032	-0.0017	0.0005	-0.0002	-0.0002	0.0271	0.0000	-0.0001	0.0006	0.0011
IP170522-10LCS	0.1057	2.1261	1.0357	1.0746	1.0559	0.0536	0.0006	40.6169	0.0512	0.5155	0.2141	0.2660
1704514-1	0.0000	0.5617	0.0000	0.0033	0.0463	-0.0002	-0.0023	4.6363	0.0003	0.0007	0.0034	0.0013
1704514-2	0.0003	0.1643	0.0028	0.0025	0.0412	-0.0003	0.0037	4.8903	0.0002	-0.0003	0.0019	0.0011
1704514-3	-0.0006	0.2102	0.0013	0.0005	0.0412	-0.0003	-0.0056	4.7975	-0.0003	-0.0007	0.0013	0.0012
1704514-4	-0.0005	-0.0364	-0.0013	-0.0016	0.0001	-0.0004	0.0019	0.0187	0.0002	-0.0005	0.0000	0.0003
1704514-5	-0.0002	-0.0201	0.0015	0.0036	0.0613	-0.0003	0.0003	9.8588	0.0000	-0.0004	0.0035	0.0004
1704514-5D	-0.0002	-0.0202	0.0000	0.0032	0.0613	-0.0003	0.0038	9.8553	-0.0001	-0.0004	0.0044	0.0010
1704514-5L 5X	0.0002	-0.0291	0.0020	-0.0012	0.0122	-0.0004	-0.0043	1.9665	0.0000	-0.0005	0.0008	0.0004
1704514-5MS	0.1051	2.0827	1.0225	1.0682	1.0991	0.0529	-0.0034	49.5213	0.0508	0.5074	0.2162	0.2626
1704514-5MSD	0.1036	2.0924	1.0179	1.0642	1.0971	0.0525	-0.0026	49.4277	0.0494	0.5023	0.2136	0.2618
CCV	0.2009	51.4359	0.4927	1.0140	1.0147	0.5025	0.5047	50.0418	0.4906	0.4849	1.0067	0.9925
CCB	-0.0003	-0.0175	0.0009	-0.0012	0.0004	-0.0002	0.0023	0.0327	0.0000	-0.0005	-0.0001	0.0004
1704514-6	0.0000	0.0147	0.0030	0.0017	0.1069	-0.0002	0.0026	6.8724	0.0000	-0.0004	0.0009	0.0010
1704514-7	0.0002	0.0056	0.0003	0.0003	0.2532	-0.0002	0.0002	19.8811	0.0000	0.0003	0.0009	0.0007
1704599-1	-0.0009	-0.0287	0.0458	0.0921	0.0271	-0.0002	-0.0033	99.9437	-0.0004	-0.0005	0.0000	0.0004
1704599-1D	0.0000	-0.0276	0.0434	0.0902	0.0270	-0.0002	0.0007	98.8708	0.0004	-0.0001	-0.0001	0.0006
1704599-1L 5X	-0.0002	-0.0283	0.0067	0.0169	0.0056	-0.0003	-0.0005	19.6963	0.0002	-0.0002	-0.0006	0.0000
1704599-1MS	0.1060	2.1143	1.0705	1.1628	1.0624	0.0516	-0.0008	140.9218	0.0494	0.4979	0.2065	0.2640
1704599-1MSD	0.1043	2.0976	1.0608	1.1623	1.0584	0.0516	0.0040	140.3979	0.0500	0.4980	0.2060	0.2640
1704599-2	-0.0005	-0.0206	0.0454	0.0910	0.0274	-0.0001	-0.0019	98.6185	0.0000	-0.0002	-0.0001	0.0003
1705095-2 10X	0.0007	-0.0333	0.0039	2.5724	0.6239	0.0000	0.0015	1628.9061	0.0002	0.0006	0.0008	0.0012
1705158-2	-0.0005	0.0200	0.0055	2.5483	8.8046	-0.0001	-0.0028	6.0470	-0.0001	0.0027	-0.0005	0.0006
CCV	0.1990	51.1623	0.4949	1.0204	1.0137	0.4997	0.5013	49.5788	0.4912	0.4825	1.0021	0.9984
CCB	-0.0001	0.0054	-0.0017	0.0019	0.0008	0.0000	0.0013	0.0459	-0.0003	-0.0004	0.0004	0.0005
1705213-3	-0.0008	-0.0221	-0.0016	0.0212	0.1724	-0.0002	-0.0029	62.0839	0.0001	-0.0006	0.0016	0.0006
1705213-3D	-0.0006	-0.0244	-0.0017	0.0206	0.1718	-0.0002	-0.0016	62.0390	0.0001	-0.0004	0.0014	0.0007
Z	0.0005	-0.0271	-0.0012	0.0026	0.0308	-0.0003	0.0030	10.9840	-0.0001	0.0002	0.0009	0.0005

Sample Id1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
1705213-3MS	0.1043	2.0669	1.0225	1.0795	1.2085	0.0523	0.0024	101.9968	0.0497	0.5001	0.2090	0.2636
1705213-3MSD	0.1058	2.0594	1.0232	1.0774	1.2045	0.0523	-0.0022	102.3810	0.0504	0.5009	0.2100	0.2633
1705213-5	-0.0007	-0.0247	-0.0001	0.0224	0.1753	-0.0003	0.0002	63.3876	0.0001	-0.0001	0.0021	0.0008
1705213-3L 5X	-0.0002	-0.0176	0.0010	0.0009	0.0338	-0.0002	-0.0028	12.1045	-0.0002	0.0000	0.0004	0.0004
1705095-2 1000X	-0.0005	-0.0155	0.0022	0.0272	0.0087	-0.0002	-0.0028	17.6525	0.0002	-0.0002	-0.0002	0.0007
1705158-2 10X	-0.0004	-0.0163	0.0003	0.2422	0.9258	-0.0002	-0.0015	0.6482	-0.0002	0.0000	-0.0001	0.0004
IP170522-11MB	-0.0009	-0.0224	-0.0005	-0.0033	0.0003	-0.0002	0.0014	0.0126	-0.0001	-0.0008	-0.0003	0.0002
CCV	0.1985	51.0817	0.4926	1.0160	1.0109	0.4991	0.5060	49.5894	0.4907	0.4832	0.9986	0.9956
CCB	0.0000	-0.0008	-0.0020	-0.0009	0.0007	0.0000	0.0035	0.0398	0.0001	-0.0003	0.0007	0.0001
IP170522-11LCS	-0.0009	2.1416	1.0426	1.0749	1.0482	0.0529	-0.0010	40.2288	0.0509	0.5101	0.2114	0.2657
1704608-8	0.0001	-0.0068	0.0056	0.0211	0.0695	0.0006	-0.0029	310.1395	0.0003	0.0235	0.0002	0.0015
1704608-8D	-0.0006	-0.0121	0.0058	0.0198	0.0701	0.0006	0.0014	314.5322	0.0004	0.0235	0.0001	0.0012
1704608-8L 5X	-0.0010	-0.0148	0.0007	0.0025	0.0146	0.0000	0.0012	62.0913	0.0000	0.0046	-0.0004	0.0006
1704608-8MS	0.0007	2.0391	1.0126	1.0609	1.0356	0.0489	0.0046	352.7618	0.0494	0.5001	0.1935	0.2573
1704608-8MSD	0.0007	2.0381	1.0286	1.0720	1.0461	0.0495	0.0024	356.6081	0.0504	0.5051	0.1950	0.2598
1705177-4 10X	0.0001	-0.0101	0.0005	1.4138	0.0019	-0.0001	-0.0002	74.0000	-0.0001	0.0003	0.0003	0.0092
1705177-5 10X	-0.0005	-0.0157	-0.0031	1.4285	0.0016	-0.0001	-0.0048	74.3104	-0.0004	-0.0003	0.0000	0.0053
1705177-6 10X	-0.0004	-0.0154	0.0021	0.4915	0.0103	-0.0002	-0.0001	82.6331	-0.0004	-0.0004	0.0000	0.0009
1705177-4 100X	-0.0001	-0.0136	0.0000	0.1352	0.0011	-0.0002	-0.0020	7.4825	0.0000	-0.0005	-0.0004	0.0012
CCV	0.1976	50.7814	0.4899	1.0107	1.0033	0.4980	0.4986	49.3613	0.4882	0.4803	0.9973	0.9896
CCB	-0.0014	-0.0084	0.0012	-0.0011	0.0006	-0.0001	-0.0047	0.0334	0.0002	-0.0005	-0.0002	0.0002
1705177-5 100X	-0.0002	-0.0184	0.0011	0.1365	0.0011	-0.0002	-0.0032	7.6558	0.0000	-0.0003	-0.0001	0.0006
1705177-6 100X	-0.0003	-0.0158	0.0032	0.0455	0.0020	-0.0002	-0.0059	8.3048	0.0002	-0.0004	-0.0003	0.0003
IP170522-13MB	-0.0006	-0.0189	-0.0009	-0.0034	0.0000	-0.0002	-0.0038	0.0132	0.0000	-0.0008	-0.0005	-0.0006
IP170522-13LCS	0.1062	2.1215	1.0412	1.0680	1.0470	0.0534	-0.0003	40.8137	0.0514	0.5146	0.2141	0.2648
1705198-1	-0.0003	0.0148	0.0036	0.0168	0.0352	-0.0002	-0.0017	47.1181	-0.0003	-0.0005	0.2527	0.0004
1705198-1D	-0.0009	0.0203	0.0055	0.0186	0.0355	-0.0002	0.0002	47.4208	-0.0001	-0.0005	0.2559	0.0001
1705198-1L 5X	-0.0002	-0.0177	0.0017	0.0016	0.0072	-0.0002	0.0004	9.3184	0.0001	-0.0007	0.0508	0.0002
1705198-1MS	0.1062	2.1192	1.0425	1.1012	1.0803	0.0534	0.0036	88.4349	0.0516	0.5078	0.4659	0.2660
1705198-1MSD	0.1052	2.0712	1.0081	1.0687	1.0575	0.0519	-0.0027	86.5582	0.0497	0.4948	0.4541	0.2604
1705198-2	0.0003	-0.0219	0.0039	0.0203	0.0358	-0.0002	-0.0016	48.2282	-0.0003	-0.0002	0.2580	0.0009
CCV	0.1997	51.0825	0.4883	1.0085	1.0104	0.5003	0.4958	49.6974	0.4879	0.4825	1.0028	0.9897
CCB	0.0003	-0.0120	0.0025	-0.0005	0.0006	-0.0002	0.0004	0.0361	0.0004	0.0000	0.0008	0.0004
1705198-3	-0.0011	-0.0007	0.0069	0.0171	0.0359	-0.0003	0.0004	47.8655	-0.0001	-0.0009	0.2556	-0.0001
1705198-4	-0.0006	-0.0226	0.0042	0.0168	0.0346	-0.0003	-0.0002	46.7962	0.0001	-0.0003	0.2490	0.0003
1705198-5	0.0001	-0.0214	-0.0001	0.0164	0.0312	-0.0003	0.0022	61.0517	0.0000	0.0001	0.0144	0.0006
1705198-6	-0.0003	-0.0192	0.0025	0.0154	0.0305	-0.0002	0.0041	59.7148	0.0003	-0.0005	0.0142	0.0005
1705243-2 10X	-0.0010	-0.0181	-0.0008	0.0605	0.1670	-0.0002	0.0004	0.7727	0.0002	0.0000	0.0004	0.0022
1705271-19	-0.0002	0.0057	0.0031	0.0272	0.1013	-0.0002	0.0010	90.1453	0.0000	0.0000	0.0004	0.0074
1705271-19D	-0.0001	0.0038	0.0042	0.0276	0.1005	-0.0002	-0.0017	89.0410	-0.0003	-0.0003	0.0002	0.0069
1705271-19L 5X	-0.0002	-0.0182	0.0056	0.0026	0.0198	-0.0002	0.0046	17.4729	-0.0001	-0.0005	0.0004	0.0011
1705271-19MS	0.1069	2.1554	1.0504	1.1071	1.1525	0.0534	0.0000	129.2500	0.0508	0.5119	0.2119	0.2757
1705271-19MSD	0.1061	2.1574	1.0586	1.1249	1.1577	0.0539	-0.0009	130.2346	0.0518	0.5159	0.2134	0.2778
CCV	0.1978	50.9734	0.4815	1.0076	1.0107	0.4998	0.4955	49.4825	0.4830	0.4808	0.9996	0.9882
CCB	0.0000	-0.0144	0.0022	-0.0014	0.0005	-0.0002	0.0010	0.0367	0.0004	0.0001	0.0008	0.0011
1705243-2	0.0004	-0.0211	0.0031	0.6383	1.6026	-0.0003	0.0026	6.8547	0.0000	0.0006	0.0049	0.0192
IP170523-1MB	-0.0005	-0.0347	-0.0006	-0.0019	0.0005	-0.0004	-0.0005	0.0159	-0.0001	-0.0012	0.0000	0.0002
IP170523-1LCS	0.0003	2.0080	0.9736	1.0032	1.0362	0.0516	-0.0003	39.0627	0.0482	0.4991	0.2099	0.2643
1705095-1 10X	-0.0194	-0.5616	-0.3035	1.8271	0.8122	-0.0009	-0.1162	1763.5161	-0.0134	-0.0513	-0.0469	-0.0334
1705158-1	-0.0016	0.0480	0.0018	2.3929	8.7330	-0.0002	-0.0021	7.1412	0.0000	0.0018	-0.0002	0.0006

Sample Id1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
1705158-1D	0.0003	0.0473	-0.0026	2.3905	8.7515	-0.0001	0.0002	5.7589	0.0004	0.0026	0.0005	0.0010
1705158-1L 5X	-0.0001	0.0052	-0.0026	0.4946	1.8578	-0.0002	0.0044	1.2417	0.0001	0.0008	0.0004	0.0020
Z	0.0000	2.0706	0.9799	3.3223	9.4772	0.0489	-0.0004	41.6432	0.0486	0.4852	0.1967	0.2591
1705158-1MS	0.0008	2.0488	0.9607	3.2823	9.3771	0.0479	0.0046	40.8973	0.0481	0.4784	0.1943	0.2569
1705158-1MSD	-0.0001	2.0664	0.9684	3.3314	9.5096	0.0485	0.0069	41.4872	0.0482	0.4816	0.1956	0.2600
CCV	0.2031	52.4706	0.5012	1.0369	1.0318	0.5120	0.5120	50.8379	0.4937	0.4932	1.0257	1.0111
CCB	0.0003	-0.0233	0.0027	0.0063	0.0009	-0.0002	-0.0015	0.0390	0.0002	0.0001	0.0007	0.0009
1705177-1 10X	0.0003	-0.0158	0.0017	1.4084	0.0027	-0.0003	-0.0024	73.7286	0.0000	-0.0002	0.0009	0.1651
1705177-2 10X	-0.0005	-0.0263	0.0022	1.4061	0.0024	-0.0003	-0.0054	73.6255	0.0000	-0.0006	0.0002	0.0355
1705177-3 10X	-0.0002	-0.0267	0.0013	0.5010	0.0116	-0.0003	-0.0028	84.9745	-0.0002	0.0002	0.0009	0.0016
1705202-1 10X	-0.0006	0.0424	0.0027	1.4366	1.6048	-0.0002	0.0027	11.6432	0.0002	0.0023	0.0380	0.0566
1705203-1 10X	0.0000	-0.0290	0.0007	1.3119	0.6593	-0.0003	-0.0019	0.8689	-0.0001	0.0000	0.0001	0.0009
1705212-1	0.0001	0.8360	0.0037	0.0100	0.0205	-0.0004	0.0004	2.0504	0.0002	-0.0002	0.0017	0.0026
1705212-2	-0.0008	0.7947	-0.0001	0.0093	0.0215	-0.0004	-0.0045	2.1745	0.0006	-0.0006	0.0013	0.0034
1705212-3	-0.0004	0.3413	0.0019	0.0130	0.0259	-0.0004	-0.0010	1.8420	0.0003	-0.0014	0.0014	0.0036
1705240-1 10X	-0.0008	-0.0321	-0.0016	0.0129	0.0364	-0.0004	-0.0038	0.4051	-0.0005	-0.0005	0.0000	0.0013
1705242-1 10X	0.0000	-0.0301	0.0049	0.0122	0.0366	-0.0004	0.0038	0.4103	-0.0002	-0.0005	0.0009	0.0018
CCV	0.2012	52.1054	0.5019	1.0252	1.0287	0.5120	0.4990	50.7167	0.4910	0.4923	1.0238	1.0038
CCB	-0.0009	-0.0174	-0.0009	0.0027	0.0010	-0.0002	0.0021	0.0411	0.0000	-0.0008	0.0000	0.0006
1705243-1 10X	-0.0001	-0.0338	-0.0010	0.0636	0.1737	-0.0004	-0.0028	0.7773	-0.0001	0.0000	0.0005	0.0049
1705369-1 10X	-0.0005	-0.0300	0.0009	0.7586	0.0050	-0.0003	-0.0027	2.9787	0.0003	0.0000	0.0004	0.0005
1705369-3 10X	0.0001	-0.0274	0.0006	2.1995	0.0838	-0.0003	0.0029	2.0582	-0.0002	-0.0002	0.0011	0.0009
1705376-1 10X	0.0002	-0.0283	0.0022	3.0351	0.0102	-0.0003	-0.0013	0.9282	0.0000	-0.0007	0.0002	0.0008
Z	0.0002	-0.0356	0.0062	0.0053	0.0007	-0.0004	0.0007	0.0354	0.0003	-0.0002	-0.0004	0.0006
1705376-5 10X	-0.0002	-0.0218	0.0018	2.3207	0.0352	-0.0003	-0.0012	1.0737	-0.0002	0.0002	-0.0003	0.0012
1705376-7 10X	0.0004	-0.0216	0.0037	2.3320	0.0339	-0.0003	0.0026	1.0832	-0.0001	0.0002	0.0004	0.0009
1705380-1 10X	-0.0003	-0.0351	0.0028	1.7338	0.0329	-0.0003	0.0019	309.5562	0.0000	-0.0003	0.0005	0.0002
1705095-1 1000X	0.0010	-0.0235	0.0009	0.0290	0.0096	-0.0002	0.0019	16.4387	0.0001	0.0003	0.0006	0.0013
1705158-1 10X	-0.0001	-0.0209	-0.0015	0.2383	0.9145	-0.0003	0.0022	0.7050	-0.0004	-0.0001	-0.0001	0.0012
CCV	0.1990	51.0499	0.4906	1.0108	1.0111	0.5025	0.4955	49.8364	0.4847	0.4839	1.0048	0.9876
CCB	-0.0002	-0.0087	-0.0002	0.0013	0.0010	-0.0001	-0.0002	0.0428	0.0003	-0.0003	0.0000	0.0003
1705158-1D 10X	0.0001	-0.0212	-0.0014	0.2460	0.9358	-0.0003	-0.0029	0.6834	0.0000	0.0006	0.0003	0.0012
1705158-1L 50X	-0.0005	-0.0298	0.0042	0.0469	0.1804	-0.0003	-0.0035	0.1801	-0.0001	-0.0005	-0.0004	0.0000
1705158-1MS 10X	-0.0004	0.1859	0.0972	0.3408	1.0159	0.0048	0.0003	4.4828	0.0042	0.0497	0.0197	0.0260
1705158-1MSD 10X	-0.0005	0.1900	0.1032	0.3475	1.0296	0.0049	0.0010	4.5840	0.0049	0.0511	0.0212	0.0263
1705177-1 100X	-0.0003	-0.0245	0.0013	0.1417	0.0015	-0.0003	-0.0033	7.8000	-0.0003	-0.0003	0.0001	0.0171
1705177-2 100X	0.0002	-0.0298	0.0044	0.1430	0.0012	-0.0003	-0.0012	7.8133	-0.0003	0.0001	0.0003	0.0042
1705177-3 100X	0.0000	-0.0280	0.0007	0.0477	0.0022	-0.0003	0.0023	8.6066	0.0001	0.0006	0.0004	0.0005
1705202-1 100X	-0.0013	-0.0234	-0.0022	0.1386	0.1626	-0.0003	-0.0044	1.2363	-0.0002	-0.0004	0.0028	0.0056
1705203-1 100X	0.0000	-0.0298	-0.0009	0.1290	0.0672	-0.0003	0.0006	0.1420	0.0003	0.0001	0.0005	0.0011
1705240-1	0.0001	-0.0015	0.0018	0.0916	0.3466	-0.0004	0.0002	3.5078	0.0002	-0.0002	0.0042	0.0101
CCV	0.2005	51.7593	0.4952	1.0193	1.0203	0.5065	0.5015	50.3690	0.4898	0.4876	1.0141	1.0008
CCB	-0.0004	-0.0218	0.0017	0.0012	0.0006	-0.0003	0.0021	0.0306	-0.0001	-0.0001	0.0004	0.0009
1705242-1	0.0007	0.0373	0.0007	0.0924	0.3538	-0.0003	-0.0001	3.6175	0.0007	0.0002	0.0083	0.0164
1705243-1	0.0002	-0.0066	0.0010	0.6176	1.6443	-0.0003	-0.0030	6.9761	0.0001	0.0000	0.0064	0.0386
1705369-1 100X	0.0007	-0.0240	0.0003	0.0751	0.0019	-0.0003	-0.0013	0.3561	0.0001	-0.0007	-0.0003	0.0009
1705369-3 100X	-0.0005	-0.0209	-0.0013	0.2197	0.0093	-0.0002	0.0015	0.2563	0.0000	-0.0007	0.0002	0.0000
1705376-1 100X	0.0002	-0.0262	0.0011	0.2985	0.0019	-0.0002	0.0029	0.1392	0.0002	-0.0005	0.0003	0.0003
1705376-3	0.0002	-0.0021	0.0040	26.7194	0.0850	-0.0003	0.0025	7.8378	0.0002	-0.0011	0.0011	0.0002
1705376-5 100X	0.0004	-0.0245	-0.0005	0.2842	0.0045	-0.0002	0.0035	0.1609	-0.0001	-0.0005	0.0003	0.0004

Sample Id1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
1705376-7 100X	-0.0006	-0.0169	-0.0028	0.2502	0.0041	-0.0002	0.0019	0.1562	-0.0004	-0.0008	-0.0005	0.0003
1705380-1 500X	-0.0002	-0.0249	0.0015	0.0407	0.0016	-0.0002	-0.0013	6.5127	-0.0001	0.0000	-0.0002	0.0002
1705376-3 50X	0.0002	-0.0193	0.0017	0.5852	0.0029	-0.0003	-0.0020	0.2388	0.0001	0.0007	0.0005	0.0004
CCV	0.1987	51.2501	0.4925	1.0209	1.0121	0.5028	0.5043	49.9829	0.4888	0.4860	1.0069	0.9959
CCB	-0.0002	-0.0128	-0.0004	0.0041	0.0007	-0.0002	-0.0008	0.0336	0.0003	-0.0001	0.0006	0.0007
CRI	0.0212	0.4349	0.0094	0.4320	0.4420	0.0108	0.0484	5.3677	0.0107	0.1069	0.0223	0.0550
LCV	0.0097	0.1860	0.0340	0.1069	0.1072	0.0051	0.0166	1.0369	0.0052	0.0206	0.0108	0.0205
ICSA	-0.0002	264.3605	0.0005	0.0028	0.0018	0.0004	0.0022	258.0427	-0.0001	-0.0001	-0.0010	-0.0020
ICSAB	0.2157	263.6943	0.1022	1.0387	0.5515	0.5106	0.4447	258.0639	1.0104	0.4881	0.5098	0.5504
CCV	0.2014	51.8052	0.4975	1.0271	1.0206	0.5059	0.5024	50.4821	0.4950	0.4902	1.0140	1.0098
CCB	-0.0010	-0.0033	-0.0005	0.0030	0.0006	0.0000	-0.0042	0.0378	-0.0002	-0.0002	-0.0007	-0.0003

Sample Id1	Fe	Li	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pb I	Pb II
MIXAHIGH	197.4556	10.0285	248.7966	495.9288	-0.0094	-0.0004	149.3012	0.0012	0.0592	-0.0044	0.0109	-0.0121
MIXBHIGH	0.0788	0.0749	0.6355	-0.0129	9.9754	10.0227	0.4879	10.0606	48.7335	10.0375	10.0084	10.0520
MIXCHIGH	0.0722	0.0744	0.6262	-0.0311	0.0052	0.0055	0.4684	0.0010	0.0592	-0.0029	0.0000	-0.0044
ICV	10.1210	0.2390	24.4331	25.7795	0.5123	0.5042	24.0245	0.5062	2.5228	0.5115	0.4994	0.5176
ICB	0.0017	0.0034	0.2099	-0.0004	0.0000	-0.0005	0.0621	-0.0013	-0.0431	-0.0002	-0.0034	0.0013
CRI	0.2242	0.0194	4.3057	5.3148	0.0341	0.0206	4.3322	0.0899	0.2638	0.0083	0.0049	0.0100
LIV	0.1074	0.0169	0.9342	1.0439	0.0110	0.0190	0.8265	0.0210	0.2127	0.0213	0.0163	0.0238
ICSA	109.1305	0.0048	0.1759	269.2381	-0.0055	-0.0019	0.0965	0.0003	0.0592	-0.0016	-0.0043	-0.0003
ICSAB	108.8988	1.1305	0.1613	269.7834	0.5041	1.0185	0.0890	0.9989	1.1863	0.0517	0.0462	0.0545
CCV	20.4858	0.5228	51.6309	51.7530	1.0182	1.0082	50.2955	0.9979	5.0546	1.0146	0.9951	1.0243
CCB	0.0059	0.0034	0.2285	0.0168	0.0002	-0.0010	0.0660	0.0004	0.0080	-0.0019	-0.0025	-0.0015
EX170523-5	0.0067	0.0033	0.1734	0.0155	0.0004	-0.0010	0.3019	0.0010	0.0080	0.0004	-0.0073	0.0043
IP170524-4LCS	1.0561	0.0036	0.2019	0.0128	0.5482	1.0093	0.0697	0.5367	0.0592	0.5161	0.5058	0.5212
1705312-16	0.0064	0.0073	1.1516	6.8814	0.4864	0.0000	2.3006	0.0024	0.0592	0.0072	0.0001	0.0107
1705312-16D	0.0072	0.0073	1.1541	6.9372	0.4886	-0.0005	2.3087	0.0015	0.0592	0.0076	0.0029	0.0099
1705312-16L 5X	0.0014	0.0040	0.3507	1.4136	0.1001	-0.0013	0.4307	-0.0002	0.0592	0.0003	-0.0051	0.0030
1705312-16MS	0.9780	0.0076	1.1646	6.9220	0.9966	0.9621	2.3293	0.5005	0.0592	0.5016	0.4935	0.5057
1705312-16MSD	0.9345	0.0073	1.1039	6.4770	0.9410	0.9179	2.1611	0.4725	0.0592	0.4845	0.4770	0.4882
Z	0.0054	0.0033	0.1982	0.0054	0.0000	-0.0008	0.0595	-0.0009	-0.0431	-0.0019	-0.0025	-0.0015
IP170522-10MB	0.0059	0.0033	0.1784	0.0087	0.0002	-0.0016	0.0601	-0.0002	-0.0431	-0.0018	-0.0020	-0.0016
Z	1.3250	0.5192	40.0527	41.5792	0.5415	1.0226	39.3141	0.5301	0.0592	0.5283	0.5196	0.5326
CCV	20.3451	0.5240	51.5427	51.6140	1.0133	1.0064	50.1197	0.9934	5.0027	1.0061	0.9915	1.0133
CCB	0.0079	0.0035	0.2207	0.0243	0.0004	-0.0008	0.0696	0.0012	-0.0431	0.0005	-0.0026	0.0021
IP170522-10LCS	1.0127	0.5048	40.2543	41.8305	0.5442	1.0226	39.5056	0.5342	0.0080	0.5316	0.5190	0.5378
1704514-1	0.6334	0.0038	0.8474	3.2085	0.0218	-0.0009	4.1256	0.0010	0.0592	-0.0007	-0.0030	0.0005
1704514-2	0.2473	0.0038	1.0204	2.9136	0.0029	-0.0006	4.5296	0.0002	0.0592	-0.0001	-0.0038	0.0018
1704514-3	0.2840	0.0038	1.0117	2.8744	0.0031	-0.0013	4.4938	-0.0006	0.0592	0.0004	-0.0056	0.0035
1704514-4	0.0068	0.0033	0.2007	0.0040	0.0010	-0.0012	0.0652	0.0004	0.0592	0.0000	-0.0028	0.0013
1704514-5	0.1848	0.0036	1.1265	4.9035	0.0020	-0.0015	5.5955	-0.0001	0.0080	-0.0007	-0.0055	0.0017
1704514-5D	0.0342	0.0036	1.1212	4.9073	0.0015	-0.0017	5.5638	0.0010	0.0592	-0.0003	-0.0031	0.0012
1704514-5L 5X	0.0387	0.0034	0.3803	0.9730	0.0006	-0.0009	1.0734	0.0000	0.0080	-0.0009	-0.0015	-0.0006
1704514-5MS	1.0887	0.5027	41.3172	45.8844	0.5371	1.0120	45.2175	0.5206	0.0592	0.5251	0.5152	0.5301
1704514-5MSD	1.0581	0.5058	41.4559	45.8871	0.5331	1.0051	45.3541	0.5179	0.0080	0.5194	0.5106	0.5238
CCV	20.4417	0.5074	51.6658	51.7465	1.0156	1.0079	50.2369	0.9939	5.0546	1.0115	1.0002	1.0171
CCB	0.0088	0.0034	0.2232	0.0219	0.0004	-0.0005	0.0787	-0.0001	0.0592	0.0005	-0.0049	0.0032
1704514-6	0.0985	0.0037	1.5398	4.1534	0.0099	-0.0013	9.5472	0.0004	0.0592	-0.0007	-0.0013	-0.0004
1704514-7	0.1154	0.0198	3.9849	18.9734	0.0258	-0.0011	21.3776	0.0016	0.0592	-0.0003	0.0012	-0.0010
1704599-1	3.6597	0.1138	3.3259	65.4842	0.1266	0.0027	29.2296	0.0002	0.0080	-0.0002	-0.0053	0.0023
1704599-1D	3.5585	0.1127	3.2852	64.7931	0.1241	0.0036	28.9163	0.0016	0.0592	-0.0006	-0.0004	-0.0007
1704599-1L 5X	0.7436	0.0208	0.6953	12.8684	0.0254	-0.0008	5.1122	-0.0002	0.0592	-0.0012	-0.0045	0.0005
1704599-1MS	4.5446	0.6703	47.3436	107.4894	0.6490	1.0082	71.2260	0.5133	0.0592	0.5177	0.5069	0.5231
1704599-1MSD	4.5337	0.6654	47.0667	107.1067	0.6471	1.0072	70.6217	0.5133	0.0080	0.5167	0.5068	0.5217
1704599-2	3.4897	0.1131	3.2950	64.7794	0.1243	0.0046	28.9282	0.0011	0.0080	0.0012	-0.0002	0.0019
1705095-2 10X	4.0737	3.8916	172.8689	181.6931	0.1848	-0.0006	372.2272	0.0016	0.0592	0.0025	0.0034	0.0021
1705158-2	0.0963	0.4004	10.4133	1.4818	0.0296	-0.0016	438.3054	-0.0003	-0.0431	-0.0002	-0.0043	0.0018
CCV	20.3290	0.5075	51.6030	51.5044	1.0092	1.0103	48.4024	1.0047	5.0027	1.0020	0.9921	1.0070
CCB	0.0114	0.0035	0.2217	0.0310	0.0006	-0.0004	0.1339	0.0009	0.0592	0.0009	-0.0052	0.0039
1705213-3	0.0175	0.0108	5.4483	14.4505	0.0004	-0.0014	1.3962	0.0002	0.0592	-0.0005	-0.0023	0.0004
1705213-3D	0.0074	0.0108	5.3908	14.3865	0.0004	-0.0016	1.3730	0.0007	0.0592	0.0003	-0.0013	0.0011
Z	0.0042	0.0044	1.0061	2.5742	0.0002	-0.0013	0.3035	0.0001	0.0080	-0.0016	-0.0032	-0.0008

Sample Id1	Fe	Li	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pb I	Pb II
1705213-3MS	1.0243	0.5266	46.9965	55.5044	0.5278	0.9998	41.7551	0.5127	0.0080	0.5174	0.5083	0.5220
1705213-3MSD	1.0190	0.5243	46.7798	55.5277	0.5284	1.0036	41.5611	0.5146	0.0080	0.5215	0.5102	0.5271
1705213-5	0.0262	0.0110	5.5158	14.6589	0.0005	-0.0003	1.4013	0.0002	0.0592	-0.0001	-0.0017	0.0006
1705213-3L 5X	0.0046	0.0045	1.0773	2.8400	0.0002	-0.0012	0.3332	0.0011	0.0592	-0.0013	-0.0043	0.0001
1705095-2 1000X	0.0555	0.0359	1.3743	2.2773	0.0091	-0.0016	34.2329	0.0009	0.0592	0.0014	-0.0016	0.0030
1705158-2 10X	0.0139	0.0340	0.8530	0.1633	0.0094	-0.0016	82.5623	-0.0003	0.0592	0.0010	-0.0006	0.0018
IP170522-11MB	0.0244	0.0033	0.1879	0.0013	-0.0001	-0.0027	0.0835	-0.0002	0.0592	-0.0004	-0.0066	0.0027
CCV	20.2863	0.5065	51.4642	51.4626	1.0078	1.0051	50.0374	1.0009	5.2101	0.9997	0.9876	1.0057
CCB	0.0110	0.0034	0.2155	0.0317	0.0006	0.0003	0.0876	0.0014	0.0592	0.0000	-0.0008	0.0003
IP170522-11LCS	1.1770	0.5042	40.3321	41.5143	0.5353	1.0206	39.4416	0.5335	0.0080	0.5238	0.5158	0.5278
1704608-8	0.0352	0.0681	372.5763	63.0459	1.4925	0.0009	354.0062	0.1246	0.0592	0.0012	0.0008	0.0014
1704608-8D	0.0158	0.0689	376.9494	63.8521	1.5131	-0.0015	348.4802	0.1244	0.0592	-0.0016	-0.0055	0.0003
1704608-8L 5X	0.0081	0.0143	76.4769	13.3507	0.3187	-0.0016	89.5094	0.0266	-0.0431	-0.0010	-0.0070	0.0020
1704608-8MS	0.9483	0.6988	407.8606	101.5804	1.9755	0.9699	367.2324	0.6071	0.0080	0.4968	0.4919	0.4993
1704608-8MSD	0.9651	0.7036	409.7032	102.5696	1.9975	0.9768	361.6985	0.6114	0.0592	0.4983	0.4952	0.4999
1705177-4 10X	0.0029	0.4704	25.3577	24.9263	0.0016	0.0005	489.6685	0.0028	-0.2476	0.0018	0.0015	0.0020
1705177-5 10X	0.0037	0.4751	25.4986	25.0269	0.0012	-0.0009	474.4990	0.0008	0.0080	-0.0004	-0.0043	0.0016
1705177-6 10X	0.1048	1.0325	16.5906	13.6546	0.0086	-0.0025	357.8315	-0.0004	0.1103	0.0005	-0.0031	0.0023
1705177-4 100X	0.0032	0.0404	1.8570	2.6093	0.0064	-0.0018	98.8587	0.0019	0.0080	0.0011	-0.0029	0.0030
CCV	20.1622	0.5017	51.0341	51.1977	1.0016	0.9981	49.4286	0.9966	5.2620	0.9999	0.9895	1.0051
CCB	0.0092	0.0034	0.1979	0.0172	0.0005	-0.0005	0.0848	-0.0011	0.0592	0.0011	-0.0038	0.0036
1705177-5 100X	0.0046	0.0410	1.8974	2.6745	0.0072	-0.0005	100.1587	0.0008	0.0592	0.0009	-0.0024	0.0026
1705177-6 100X	0.0166	0.0844	1.3512	1.4200	0.0079	-0.0016	47.7031	-0.0004	0.0592	-0.0004	-0.0053	0.0020
IP170522-13MB	0.0007	0.0032	0.1904	-0.0021	0.0000	-0.0015	0.0665	-0.0018	0.0592	-0.0014	-0.0069	0.0013
IP170522-13LCS	1.0080	0.5055	40.1043	41.8844	0.5395	1.0219	39.4089	0.5343	0.0592	0.5273	0.5203	0.5307
1705198-1	0.0773	0.0077	5.5186	10.8185	0.0030	0.0023	15.8212	0.0026	-0.0431	0.0003	-0.0062	0.0036
1705198-1D	0.0897	0.0077	5.5824	10.8862	0.0040	0.0034	15.9824	0.0024	0.0592	-0.0002	-0.0016	0.0005
1705198-1L 5X	0.0160	0.0040	1.1856	2.1443	0.0008	-0.0016	3.2472	0.0004	0.0592	0.0008	-0.0019	0.0021
1705198-1MS	1.1531	0.5362	47.9030	52.7375	0.5372	1.0261	57.7359	0.5265	0.0080	0.5256	0.5143	0.5312
1705198-1MSD	1.1230	0.5295	47.4468	51.9416	0.5237	0.9966	56.7622	0.5104	0.0080	0.5109	0.4999	0.5164
1705198-2	0.0082	0.0078	5.6671	11.0785	0.0004	0.0053	16.2548	0.0011	0.0592	-0.0001	-0.0024	0.0010
CCV	20.2715	0.5024	51.1207	51.4924	1.0093	1.0014	49.7200	0.9863	5.0546	1.0085	0.9926	1.0165
CCB	0.0099	0.0034	0.2277	0.0273	0.0005	0.0000	0.0839	-0.0003	0.0592	0.0017	0.0010	0.0020
1705198-3	0.0449	0.0077	5.6555	11.0876	0.0026	0.0031	16.2913	0.0008	-0.0431	0.0012	-0.0034	0.0035
1705198-4	0.0098	0.0076	5.4624	10.7450	0.0002	0.0032	15.7323	0.0000	0.0592	0.0006	-0.0035	0.0026
1705198-5	0.0038	0.0066	3.8691	8.0370	0.0036	-0.0005	26.7490	0.0004	0.0080	-0.0004	-0.0004	-0.0004
1705198-6	0.0153	0.0065	3.7783	7.8425	0.0007	-0.0003	26.3187	0.0010	-0.0431	-0.0001	-0.0019	0.0008
1705243-2 10X	0.0895	0.0613	0.5306	0.1468	0.0095	-0.0001	68.1389	0.0037	0.0080	0.0003	-0.0029	0.0020
1705271-19	0.2664	0.0042	2.3265	18.9588	0.0257	0.0000	3.9470	0.0043	0.0592	0.0014	-0.0009	0.0025
1705271-19D	0.2584	0.0041	2.2868	18.7440	0.0251	0.0000	3.8908	0.0047	0.0592	0.0017	-0.0017	0.0035
1705271-19L 5X	0.0551	0.0035	0.5595	3.7233	0.0051	-0.0011	0.7580	0.0002	-0.0431	0.0005	-0.0021	0.0017
1705271-19MS	1.2889	0.5342	44.4244	60.5197	0.5626	1.0281	45.3298	0.5353	0.0592	0.5315	0.5170	0.5388
1705271-19MSD	1.2910	0.5376	44.7282	60.9601	0.5654	1.0324	45.5857	0.5370	0.0592	0.5379	0.5223	0.5457
CCV	20.2488	0.5008	50.8718	51.3757	1.0073	1.0031	49.6410	0.9865	5.2620	1.0029	0.9867	1.0110
CCB	0.0105	0.0034	0.2290	0.0256	0.0004	-0.0006	0.0809	0.0006	0.0592	0.0015	0.0006	0.0019
1705243-2	0.8242	0.7284	4.8598	1.2968	0.0145	0.0001	466.8473	0.0333	0.0592	-0.0009	-0.0002	-0.0013
IP170523-1MB	0.0236	0.0033	0.1674	0.0010	0.0002	-0.0016	0.2273	0.0004	-0.0431	0.0015	-0.0058	0.0052
IP170523-1LCS	1.0419	0.4822	38.2928	40.2144	0.5314	1.0001	37.3287	0.5109	11.0631	0.5139	0.5012	0.5203
1705095-1 10X	5.1201	3.5373	169.3953	225.7812	0.2250	-0.0323	257.5798	-0.0436	-1.1155	0.0737	-0.5093	0.3647
1705158-1	0.0958	0.3918	10.2247	1.5324	0.0316	-0.0028	390.6661	0.0000	-0.1454	0.0010	-0.0058	0.0044

Sample Id1	Fe	Li	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pb I	Pb II
1705158-1D	0.0840	0.3879	10.0649	1.4214	0.0298	-0.0021	423.1663	0.0006	-0.0943	0.0015	-0.0007	0.0026
1705158-1L 5X	0.0231	0.0780	1.9762	0.3142	0.0068	-0.0013	150.6752	0.0007	-0.0431	0.0004	-0.0028	0.0020
Z	1.0364	0.9062	58.9801	37.8578	0.5276	0.9813	457.4176	0.4906	10.9052	0.4948	0.4853	0.4996
1705158-1MS	1.0195	0.8945	50.1712	37.2712	0.5191	0.9662	461.9896	0.4807	11.0105	0.4833	0.4806	0.4847
1705158-1MSD	1.0320	0.9109	51.0636	37.7773	0.5255	0.9772	450.1133	0.4831	10.6421	0.4939	0.4846	0.4985
CCV	20.7688	0.5143	52.1461	52.7570	1.0322	1.0267	48.7412	1.0073	5.3657	1.0320	1.0063	1.0449
CCB	0.0108	0.0035	0.2320	0.0290	0.0006	-0.0001	0.1426	0.0001	-0.0431	-0.0013	-0.0022	-0.0008
1705177-1 10X	0.0141	0.4726	25.5827	24.9097	0.0081	-0.0007	491.8207	0.0104	0.0592	0.0064	0.0063	0.0065
1705177-2 10X	0.0069	0.4709	25.4981	24.8682	0.0073	-0.0003	478.8074	0.0016	0.0592	0.0021	-0.0006	0.0034
1705177-3 10X	0.3148	1.0687	17.4503	14.0595	0.0175	-0.0012	361.5986	0.0006	0.1615	0.0020	0.0009	0.0026
1705202-1 10X	7.9273	0.1138	4.9812	2.5860	0.1272	0.0071	388.1854	0.0953	0.1615	0.0023	-0.0023	0.0046
1705203-1 10X	1.3085	0.0812	10.3479	1.0746	0.0384	-0.0018	340.9601	0.0004	-0.2987	0.0007	-0.0008	0.0014
1705212-1	0.8991	0.0046	0.7855	0.3854	0.0222	-0.0009	0.6320	0.0030	-0.1454	0.0020	-0.0013	0.0036
1705212-2	0.9131	0.0044	0.7670	0.4100	0.0216	-0.0013	0.7681	0.0024	0.1103	0.0039	-0.0036	0.0077
1705212-3	0.5241	0.0038	0.9535	0.2271	0.0145	-0.0011	0.3242	0.0022	0.1103	0.0016	-0.0024	0.0036
1705240-1 10X	0.2917	0.0099	0.3831	0.0712	0.0099	-0.0023	21.9264	0.0192	-0.0431	-0.0010	-0.0054	0.0012
1705242-1 10X	0.3357	0.0100	0.4272	0.0766	0.0126	-0.0027	22.2048	0.0425	0.0080	0.0012	-0.0026	0.0031
CCV	20.7194	0.5101	51.7024	52.6131	1.0312	1.0250	50.1862	0.9987	5.4176	1.0268	1.0053	1.0375
CCB	0.0112	0.0036	0.2232	0.0286	0.0006	0.0000	0.1277	0.0007	0.0080	0.0004	-0.0051	0.0031
1705243-1 10X	0.1573	0.0616	0.5103	0.1464	0.0090	-0.0011	67.8610	0.0056	0.0592	0.0000	-0.0040	0.0020
1705369-1 10X	1.3027	0.8826	10.1097	0.3088	0.0269	-0.0016	196.8001	-0.0012	-0.0431	0.0023	-0.0001	0.0034
1705369-3 10X	7.6423	0.1264	2.5274	0.4576	0.1014	-0.0018	300.5911	0.0015	0.0592	-0.0003	-0.0030	0.0010
1705376-1 10X	0.0689	0.0862	1.8118	0.2163	0.0079	-0.0017	238.5698	-0.0002	0.2638	0.0000	-0.0024	0.0013
Z	0.0029	0.0035	0.2057	0.0064	0.0053	-0.0015	0.2822	0.0012	-0.0431	0.0006	-0.0026	0.0021
1705376-5 10X	0.1445	0.1140	2.1587	0.2257	0.0142	-0.0012	286.9894	-0.0003	0.0080	-0.0007	-0.0024	0.0001
1705376-7 10X	0.1699	0.1143	2.0874	0.2278	0.0128	-0.0021	283.3387	0.0016	-0.1454	-0.0012	-0.0008	-0.0014
1705380-1 10X	0.4551	0.3749	71.9544	61.4273	0.0126	-0.0021	431.9439	0.0000	-0.0943	0.0003	0.0013	-0.0002
1705095-1 1000X	0.0597	0.0369	1.5020	2.1429	0.0207	-0.0010	35.8903	0.0007	0.0110	0.0030	0.0025	0.0032
1705158-1 10X	0.0180	0.0332	0.8256	0.1626	0.0100	-0.0016	79.8766	0.0006	0.0110	0.0024	-0.0019	0.0045
CCV	20.4024	0.5007	50.7685	51.6112	1.0109	1.0055	49.3638	0.9875	5.0567	1.0132	0.9878	1.0259
CCB	0.0120	0.0035	0.2054	0.0297	0.0005	-0.0008	0.1244	0.0005	0.0592	0.0012	-0.0044	0.0039
1705158-1D 10X	0.0130	0.0339	0.8545	0.1711	0.0098	0.0000	82.1193	0.0003	0.0110	0.0011	-0.0042	0.0038
1705158-1L 50X	0.0075	0.0087	0.3254	0.0354	0.0084	-0.0021	16.3587	-0.0002	0.0110	0.0003	-0.0036	0.0022
1705158-1MS 10X	0.1119	0.0839	5.5017	4.0956	0.0619	0.0989	84.4864	0.0519	1.1203	0.0526	0.0442	0.0569
1705158-1MSD 10X	0.1140	0.0851	5.5806	4.1540	0.0627	0.0984	85.2512	0.0512	0.9271	0.0533	0.0471	0.0564
1705177-1 100X	0.0057	0.0417	1.9263	2.7123	0.0075	-0.0014	101.2151	0.0008	0.0110	0.0011	-0.0031	0.0032
1705177-2 100X	0.0044	0.0419	1.9328	2.7261	0.0073	-0.0011	101.0933	0.0009	0.0592	0.0007	-0.0025	0.0024
1705177-3 100X	0.0370	0.0872	1.4021	1.4676	0.0084	-0.0006	49.0321	0.0011	-0.0371	0.0007	-0.0012	0.0017
1705202-1 100X	0.7989	0.0119	0.5174	0.2710	0.0196	-0.0010	52.0232	0.0090	0.0110	0.0012	-0.0045	0.0041
1705203-1 100X	0.1362	0.0095	0.9259	0.1201	0.0105	-0.0022	43.2031	0.0006	0.0110	0.0008	-0.0009	0.0017
1705240-1	2.7546	0.0818	2.1409	0.6362	0.0517	0.0003	202.1752	0.1783	0.0110	0.0023	0.0005	0.0032
CCV	20.5075	0.5074	51.4253	52.1608	1.0200	1.0191	49.7577	0.9986	5.2034	1.0210	0.9975	1.0327
CCB	0.0085	0.0034	0.2147	0.0232	0.0004	-0.0010	0.1075	0.0004	0.0110	0.0003	-0.0004	0.0007
1705242-1	3.2314	0.0847	2.8675	0.6601	0.0682	0.0010	206.6537	0.3975	-0.0371	0.0012	0.0008	0.0014
1705243-1	1.4601	0.7337	4.8651	1.2941	0.0284	-0.0006	439.2798	0.0486	0.0592	0.0012	-0.0021	0.0029
1705369-1 100X	0.1353	0.0742	0.9831	0.0442	0.0089	-0.0012	20.5232	-0.0003	0.0110	0.0013	-0.0041	0.0040
1705369-3 100X	0.7784	0.0131	0.3625	0.0513	0.0161	-0.0016	34.5127	0.0006	0.0110	0.0003	-0.0053	0.0030
1705376-1 100X	0.0108	0.0100	0.3332	0.0361	0.0069	-0.0015	26.2177	0.0000	0.0110	-0.0002	-0.0031	0.0012
1705376-3	0.2425	0.9170	24.6818	1.7438	0.0131	-0.0016	433.3054	0.0020	2.4758	-0.0012	-0.0003	-0.0017
1705376-5 100X	0.0195	0.0126	0.3695	0.0344	0.0077	-0.0010	31.1157	0.0012	-0.1334	-0.0001	-0.0034	0.0015

Sample Id1	Fe	Li	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pb I	Pb II
1705376-7 100X	0.0218	0.0122	0.3304	0.0297	0.0068	-0.0010	31.8481	0.0000	-0.0371	-0.0001	-0.0026	0.0011
1705380-1 500X	0.0147	0.0089	0.9878	1.4203	0.0074	-0.0023	48.6853	-0.0004	-0.0371	0.0001	-0.0025	0.0014
1705376-3 50X	0.0104	0.0168	0.4469	0.0594	0.0081	-0.0016	51.2749	0.0011	0.0592	-0.0004	-0.0025	0.0007
CCV	20.3400	0.5033	50.9867	51.7129	1.0111	1.0102	49.6134	0.9926	5.0079	1.0103	0.9908	1.0201
CCB	0.0095	0.0034	0.2227	0.0253	0.0004	-0.0006	0.1055	0.0006	0.0592	0.0004	-0.0030	0.0021
CRI	0.2264	0.0189	4.2934	5.3939	0.0345	0.0202	4.3873	0.0895	0.2518	0.0063	0.0016	0.0086
LCV	0.1070	0.0164	0.9430	1.0571	0.0109	0.0188	0.8391	0.0223	0.2518	0.0208	0.0194	0.0215
ICSA	109.5997	0.0046	0.1561	272.3996	-0.0056	-0.0010	0.1060	0.0003	0.0592	0.0017	-0.0029	0.0040
ICSAB	109.3616	1.0939	0.1531	271.7416	0.5051	1.0305	0.0972	1.0067	1.1203	0.0503	0.0519	0.0495
CCV	20.5176	0.5104	51.6513	52.2299	1.0185	1.0173	50.6778	1.0102	4.9590	1.0190	0.9948	1.0310
CCB	0.0108	0.0034	0.1957	0.0219	0.0004	-0.0006	0.1000	-0.0013	0.0592	0.0002	-0.0076	0.0042

Sample Id1	S	Sb	Se	Se I	Se II	Si	Sn	Sr	Ti	Tl	U	V
MIXAHIGH	0.1411	0.0159	0.0009	0.0231	-0.0101	-0.0019	0.0082	0.0044	-0.0023	-0.0147	0.1046	0.0041
MIXBHIGH	0.0003	2.0407	5.0481	5.0163	5.0639	49.9795	10.0255	10.0165	9.9117	5.0327	-0.0838	5.0052
MIXCHIGH	49.8881	0.0026	0.0077	0.0147	0.0042	0.0775	0.0253	0.0013	0.0058	0.0011	49.9286	-0.0095
ICV	2.4667	0.2476	0.5037	0.4951	0.5080	2.5066	0.5025	0.2555	0.2509	0.2497	2.4998	0.2545
ICB	-0.0026	-0.0007	-0.0003	-0.0005	-0.0002	-0.0019	0.0011	-0.0009	-0.0002	-0.0020	-0.0194	-0.0006
CRI	0.2131	0.1243	0.0101	0.0091	0.0106	0.1120	0.1046	0.0205	0.0211	0.0176	0.2009	0.1090
LIV	0.1855	0.0496	0.0339	0.0336	0.0340	0.1054	0.0518	0.0198	0.0206	0.0287	0.1839	0.0209
ICSA	0.0350	0.0039	0.0015	0.0072	-0.0014	0.0125	0.0050	0.0156	-0.0011	-0.0106	0.0447	0.0017
ICSAB	1.0782	0.6218	0.0505	0.0498	0.0508	0.9994	1.0192	1.0552	1.0062	0.0921	10.3093	0.5082
CCV	4.9126	0.4956	0.9949	0.9868	0.9989	4.9364	1.0078	0.5075	0.4987	0.4968	4.9824	0.5045
CCB	-0.0152	0.0010	-0.0015	-0.0002	-0.0021	-0.0026	0.0033	-0.0009	-0.0001	0.0008	-0.0047	0.0000
EX170523-5	-0.0026	0.0015	0.0024	-0.0004	0.0038	0.0061	0.0037	-0.0009	-0.0005	-0.0034	-0.0304	-0.0002
IP170524-4LCS	-0.0102	0.4960	1.9230	1.8870	1.9410	1.0115	0.5168	0.5172	0.5194	1.9606	-0.0162	0.5498
1705312-16	27.8414	0.0023	0.0048	0.0030	0.0057	0.4351	0.0024	0.9639	-0.0010	0.0005	-0.0274	0.0005
1705312-16D	27.6536	0.0026	0.0042	0.0027	0.0050	0.4362	0.0057	0.9666	-0.0013	0.0025	-0.0231	0.0007
1705312-16L 5X	5.7131	-0.0007	-0.0006	-0.0022	0.0002	0.0875	0.0042	0.1935	-0.0004	-0.0024	-0.0225	-0.0003
1705312-16MS	27.6511	0.4875	1.9093	1.8832	1.9223	1.4046	0.4939	1.4687	0.4856	1.9241	-0.0131	0.5163
1705312-16MSD	26.0394	0.4642	1.8460	1.7993	1.8693	1.3341	0.4736	1.3769	0.4612	1.8329	-0.0136	0.4922
Z	-0.0102	0.0006	0.0023	0.0064	0.0002	0.0155	0.0018	-0.0009	0.0002	0.0043	-0.0053	-0.0001
IP170522-10MB	-0.0026	-0.0004	-0.0004	0.0024	-0.0018	0.0178	0.0022	-0.0009	0.0000	0.0036	-0.0016	-0.0001
Z	0.0074	0.5227	2.1878	2.1630	2.2002	1.0968	0.5290	0.5280	0.5162	2.0657	-0.0189	0.5479
CCV	4.9527	0.4874	1.0082	0.9925	1.0160	4.9467	1.0029	0.5085	0.4958	0.4954	4.9746	0.5023
CCB	-0.0051	0.0003	0.0002	0.0021	-0.0008	0.0019	0.0018	-0.0008	0.0002	0.0028	-0.0022	0.0005
IP170522-10LCS	0.0149	0.5272	2.1898	2.1663	2.2015	1.1044	0.5275	0.5308	0.5197	2.0828	-0.0247	0.5497
1704514-1	0.6319	-0.0003	0.0021	0.0062	0.0001	8.0266	0.0050	0.0574	0.0206	-0.0009	-0.0188	0.0010
1704514-2	1.0933	0.0002	0.0016	-0.0002	0.0024	9.1531	0.0022	0.0427	0.0053	0.0027	-0.0135	0.0004
1704514-3	1.0983	-0.0023	0.0017	-0.0035	0.0042	9.3710	0.0001	0.0420	0.0066	-0.0003	-0.0350	-0.0004
1704514-4	-0.0102	-0.0004	-0.0007	0.0015	-0.0018	0.0219	0.0063	-0.0010	0.0001	-0.0015	-0.0237	-0.0002
1704514-5	1.0256	0.0007	0.0018	0.0035	0.0009	7.0950	0.0042	0.0927	0.0004	-0.0041	-0.0208	-0.0002
1704514-5D	1.0131	-0.0007	0.0005	-0.0017	0.0017	7.0766	-0.0004	0.0926	0.0004	-0.0004	-0.0243	-0.0005
1704514-5L 5X	0.2006	-0.0016	0.0029	0.0037	0.0026	1.3965	0.0035	0.0174	0.0002	-0.0041	-0.0182	0.0002
1704514-5MS	1.0131	0.5202	2.1546	2.1344	2.1647	7.7947	0.5256	0.6109	0.5118	2.0433	-0.0156	0.5421
1704514-5MSD	1.0306	0.5184	2.1282	2.1266	2.1290	7.8793	0.5224	0.6097	0.5088	2.0510	-0.0131	0.5366
CCV	4.9427	0.4893	0.9983	0.9876	1.0037	4.9598	1.0055	0.5069	0.4980	0.4968	4.9721	0.5048
CCB	-0.0177	0.0012	0.0005	-0.0008	0.0012	0.0003	-0.0019	-0.0008	-0.0001	0.0014	-0.0096	-0.0005
1704514-6	0.4990	-0.0007	0.0010	-0.0021	0.0026	6.6866	0.0001	0.0948	0.0012	-0.0009	-0.0177	0.0002
1704514-7	0.2106	0.0013	-0.0007	-0.0029	0.0005	9.2105	0.0024	0.1156	0.0010	0.0051	-0.0207	0.0001
1704599-1	112.1970	-0.0019	0.0006	-0.0029	0.0024	9.4913	-0.0016	0.1977	-0.0004	-0.0063	-0.0158	-0.0004
1704599-1D	111.0346	-0.0024	0.0015	-0.0003	0.0023	9.3967	0.0005	0.1958	-0.0004	-0.0028	-0.0188	-0.0003
1704599-1L 5X	23.1508	-0.0014	-0.0004	-0.0027	0.0007	1.9034	0.0016	0.0387	-0.0001	-0.0001	-0.0171	-0.0007
1704599-1MS	112.3523	0.5170	2.1475	2.1333	2.1547	10.4413	0.5269	0.7174	0.5012	2.0260	-0.0198	0.5341
1704599-1MSD	111.8465	0.5130	2.1725	2.1339	2.1917	10.3928	0.5273	0.7118	0.4998	2.0412	-0.0063	0.5322
1704599-2	110.6579	0.0002	0.0025	0.0016	0.0029	9.3947	-0.0001	0.1964	0.0001	0.0073	-0.0108	0.0000
1705095-2 10X	12.0892	-0.0012	-0.0026	-0.0016	-0.0031	1.4765	0.0033	38.5107	-0.0085	0.0181	-0.0359	0.0004
1705158-2	5.1253	0.0003	0.0012	-0.0027	0.0032	14.5725	-0.0046	0.9347	-0.0001	0.0046	-0.0342	-0.0008
CCV	4.9577	0.4916	1.0085	0.9944	1.0156	4.9190	1.0061	0.5058	0.4907	0.5024	4.9881	0.5031
CCB	-0.0076	0.0001	0.0027	0.0011	0.0035	-0.0001	0.0009	-0.0005	0.0003	0.0010	-0.0108	-0.0004
1705213-3	2.8975	0.0128	0.0035	0.0097	0.0004	4.0702	0.0014	0.1179	-0.0005	0.0051	-0.0274	0.0000
1705213-3D	2.8624	0.0123	0.0024	0.0046	0.0012	4.0547	0.0016	0.1170	0.0001	0.0011	-0.0280	0.0002
Z	0.5116	0.0008	0.0031	0.0073	0.0010	0.7252	0.0005	0.0206	-0.0002	-0.0040	-0.0151	0.0004

Sample Id1	S	Sb	Se	Se I	Se II	Si	Sn	Sr	Ti	Tl	U	V
1705213-3MS	2.9225	0.5305	2.1184	2.1048	2.1253	5.0675	0.5125	0.6327	0.5052	2.0338	-0.0254	0.5354
1705213-3MSD	2.9100	0.5285	2.1305	2.1189	2.1363	5.0680	0.5151	0.6298	0.5056	2.0347	-0.0211	0.5365
1705213-5	2.9225	0.0170	0.0030	-0.0009	0.0050	4.1360	0.0016	0.1192	0.0000	0.0036	-0.0225	0.0005
1705213-3L 5X	0.5567	0.0014	0.0024	-0.0002	0.0037	0.7988	0.0061	0.0230	-0.0002	-0.0017	-0.0108	0.0001
1705095-2 1000X	0.1203	-0.0016	-0.0026	-0.0008	-0.0035	0.0194	0.0011	0.6531	0.0002	0.0043	-0.0170	-0.0001
1705158-2 10X	0.4865	-0.0015	-0.0014	0.0000	-0.0022	1.4657	0.0050	0.0983	0.0001	-0.0014	-0.0188	-0.0007
IP170522-11MB	-0.0051	-0.0007	0.0009	-0.0024	0.0025	0.0173	0.0007	-0.0010	-0.0001	-0.0020	-0.0219	-0.0003
CCV	4.9301	0.4907	1.0039	0.9941	1.0088	4.9094	0.9993	0.5026	0.4900	0.5006	4.9741	0.5016
CCB	-0.0076	-0.0012	-0.0006	-0.0020	0.0001	0.0008	0.0042	-0.0006	0.0002	-0.0021	-0.0053	0.0000
IP170522-11LCS	0.0024	0.5217	2.1795	2.1730	2.1828	1.0993	0.5286	0.5211	0.5084	2.0703	-0.0316	0.5435
1704608-8	198.5883	-0.0030	0.0072	0.0094	0.0061	8.8974	0.0037	1.0242	-0.0012	0.0024	-0.0170	0.0003
1704608-8D	201.1332	0.0005	0.0046	0.0096	0.0021	9.0366	0.0042	1.0396	-0.0013	-0.0008	-0.0329	-0.0006
1704608-8L 5X	43.6900	-0.0024	0.0010	-0.0015	0.0023	1.8651	0.0027	0.2160	-0.0005	0.0046	-0.0206	-0.0006
1704608-8MS	198.5748	0.5082	2.1418	2.1206	2.1524	9.9046	0.5196	1.4942	0.4653	1.9792	0.0029	0.5021
1704608-8MSD	200.4669	0.5129	2.1465	2.1277	2.1559	9.9957	0.5246	1.4947	0.4711	2.0008	-0.0167	0.5072
1705177-4 10X	125.9472	-0.0017	0.1087	0.1126	0.1067	1.3674	-0.0023	2.0739	0.0003	0.0043	-0.0127	-0.0001
1705177-5 10X	126.1944	-0.0010	0.0422	0.0362	0.0452	1.3661	-0.0012	2.0994	-0.0002	0.0052	-0.0255	-0.0006
1705177-6 10X	53.8555	-0.0016	0.0052	0.0001	0.0077	1.6920	-0.0023	2.4280	-0.0004	0.0030	-0.0293	-0.0005
1705177-4 100X	12.5028	-0.0011	0.0066	0.0009	0.0094	0.1377	0.0033	0.2186	0.0000	-0.0009	-0.0317	-0.0003
CCV	4.9752	0.4887	0.9878	0.9789	0.9922	4.8830	0.9986	0.4970	0.4885	0.5057	4.9450	0.4995
CCB	-0.0051	-0.0019	0.0007	-0.0012	0.0017	-0.0027	0.0027	-0.0007	0.0000	0.0013	-0.0219	-0.0005
1705177-5 100X	12.6623	-0.0015	0.0013	-0.0018	0.0028	0.1433	-0.0006	0.2205	-0.0002	-0.0009	-0.0280	-0.0001
1705177-6 100X	5.3304	-0.0016	-0.0009	-0.0041	0.0007	0.1715	0.0003	0.2537	0.0001	-0.0051	-0.0292	-0.0007
IP170522-13MB	-0.0102	0.0010	0.0018	-0.0017	0.0035	-0.0042	0.0039	-0.0010	0.0000	-0.0041	-0.0169	-0.0005
IP170522-13LCS	0.0074	0.5197	2.1717	2.1466	2.1843	1.0957	0.5299	0.5201	0.5116	2.0929	-0.0143	0.5469
1705198-1	13.8951	-0.0010	0.0012	-0.0020	0.0028	15.8748	0.0033	0.2811	0.0021	0.0050	-0.0140	0.0112
1705198-1D	14.0569	-0.0013	0.0009	0.0006	0.0011	16.0301	0.0014	0.2830	0.0023	-0.0054	-0.0207	0.0119
1705198-1L 5X	2.6871	-0.0007	0.0032	0.0049	0.0024	3.1338	0.0005	0.0555	0.0002	-0.0034	-0.0298	0.0018
1705198-1MS	14.1565	0.5219	2.1634	2.1507	2.1697	16.9312	0.5303	0.7976	0.5105	2.0770	-0.0102	0.5542
1705198-1MSD	13.7706	0.5081	2.0900	2.0869	2.0916	16.5709	0.5209	0.7799	0.4986	2.0173	-0.0322	0.5386
1705198-2	14.2163	-0.0004	0.0042	0.0024	0.0051	16.2576	0.0057	0.2868	0.0003	0.0006	-0.0194	0.0122
CCV	4.9777	0.4927	1.0001	0.9823	1.0089	4.9162	1.0057	0.4993	0.4943	0.4975	5.0064	0.5020
CCB	-0.0177	0.0004	-0.0006	0.0010	-0.0014	0.0005	0.0024	-0.0007	0.0002	0.0029	0.0002	0.0003
1705198-3	14.2884	-0.0036	0.0028	-0.0017	0.0051	16.3030	-0.0004	0.2875	0.0007	0.0038	-0.0335	0.0116
1705198-4	13.6909	0.0020	0.0026	0.0015	0.0031	15.7720	-0.0016	0.2790	0.0000	-0.0083	-0.0170	0.0109
1705198-5	28.9257	0.0004	0.0022	0.0043	0.0012	11.6898	0.0029	0.3081	0.0001	-0.0004	0.0069	0.0030
1705198-6	28.5010	0.0005	-0.0012	-0.0011	-0.0013	11.4308	0.0031	0.2997	0.0000	-0.0021	-0.0108	0.0029
1705243-2 10X	0.0275	-0.0028	0.0009	-0.0052	0.0040	1.1763	0.0022	0.1374	0.0002	-0.0033	-0.0164	-0.0002
1705271-19	10.2465	0.0000	0.0020	0.0049	0.0005	2.8831	0.0061	0.1784	0.0004	0.0011	-0.0135	0.0000
1705271-19D	10.1692	-0.0007	0.0020	0.0016	0.0022	2.8605	0.0054	0.1768	0.0003	-0.0032	-0.0166	-0.0004
1705271-19L 5X	1.9931	-0.0003	0.0012	-0.0011	0.0024	0.5705	0.0003	0.0350	-0.0003	0.0002	-0.0041	0.0000
1705271-19MS	10.0868	0.5295	2.1755	2.1659	2.1803	3.8908	0.5322	0.6921	0.5115	2.0840	-0.0391	0.5449
1705271-19MSD	10.2964	0.5362	2.2506	2.2287	2.2616	3.9432	0.5309	0.7018	0.5133	2.1142	-0.0281	0.5482
CCV	4.9852	0.4870	1.0002	0.9851	1.0078	4.9061	1.0008	0.4998	0.4950	0.4903	4.9717	0.5012
CCB	-0.0102	0.0017	0.0036	0.0065	0.0021	-0.0009	0.0007	-0.0007	0.0000	-0.0014	-0.0035	0.0003
1705243-2	0.0701	-0.0006	0.0007	0.0010	0.0006	11.2997	-0.0006	1.3014	0.0001	-0.0040	-0.0166	-0.0002
IP170523-1MB	-0.0026	-0.0045	0.0024	0.0009	0.0031	0.0203	0.0033	-0.0009	-0.0007	-0.0046	-0.0170	-0.0007
IP170523-1LCS	10.2116	0.4944	1.9469	1.9073	1.9666	1.0410	0.5108	0.5078	0.5083	1.9951	-0.0333	0.5374
1705095-1 10X	13.7306	-0.1240	0.0109	-0.0945	0.0635	1.7809	-0.1355	24.4365	0.0408	-0.0806	-4.7793	-0.0683
1705158-1	4.3797	-0.0017	0.0017	-0.0011	0.0031	13.9318	0.0007	0.9576	-0.0001	-0.0072	-0.0783	-0.0013

Sample Id1	S	Sb	Se	Se I	Se II	Si	Sn	Sr	Ti	Tl	U	V
1705158-1D	4.3596	-0.0019	0.0003	-0.0084	0.0046	13.9047	0.0005	0.9399	-0.0005	0.0015	-0.0115	-0.0005
1705158-1L 5X	0.9178	-0.0027	0.0001	0.0030	-0.0014	2.9365	0.0024	0.1958	-0.0002	-0.0078	-0.0194	-0.0002
Z	14.5548	0.4925	1.9654	1.9300	1.9832	14.6130	0.5111	1.4002	0.4726	1.9772	-0.0168	0.5070
1705158-1MS	14.3930	0.4831	1.9305	1.9008	1.9454	14.4052	0.4988	1.3798	0.4661	1.9340	-0.0051	0.4997
1705158-1MSD	14.6767	0.4882	1.9451	1.9266	1.9544	14.6409	0.5138	1.3974	0.4717	1.9749	-0.0205	0.5049
CCV	5.1153	0.4988	1.0256	1.0045	1.0362	5.0483	1.0241	0.5158	0.5069	0.5036	5.0583	0.5117
CCB	-0.0177	0.0005	0.0010	-0.0023	0.0027	0.0010	0.0016	-0.0007	0.0003	0.0005	-0.0133	0.0003
1705177-1 10X	127.4626	-0.0015	0.0002	-0.0067	0.0036	1.3816	0.0016	2.1111	-0.0001	0.0036	-0.0133	0.0004
1705177-2 10X	126.6911	-0.0010	0.0018	-0.0008	0.0031	1.3694	0.0018	2.1031	0.0000	0.0012	-0.0133	-0.0003
1705177-3 10X	55.6977	-0.0004	0.0035	0.0058	0.0024	1.7608	0.0011	2.5381	-0.0002	0.0001	-0.0136	0.0003
1705202-1 10X	1.7375	-0.0042	-0.0026	-0.0106	0.0014	1.2870	0.0016	1.0185	0.0025	0.0006	-0.0221	0.0042
1705203-1 10X	0.2883	-0.0020	0.0007	0.0016	0.0002	0.9402	0.0033	0.4684	0.0001	0.0022	-0.0146	-0.0002
1705212-1	0.3636	0.0007	-0.0020	-0.0063	0.0001	2.0009	0.0003	0.0081	0.0248	-0.0087	-0.0087	0.0037
1705212-2	0.3561	-0.0020	0.0007	0.0022	-0.0001	1.9775	0.0026	0.0087	0.0255	-0.0021	-0.0301	0.0024
1705212-3	0.3159	-0.0021	0.0030	0.0007	0.0041	0.9226	-0.0019	0.0073	0.0128	-0.0006	-0.0150	0.0013
1705240-1 10X	0.0024	-0.0012	-0.0014	-0.0002	-0.0020	0.9286	0.0027	0.0443	0.0003	0.0008	-0.0338	-0.0003
1705242-1 10X	0.0124	-0.0017	0.0023	0.0024	0.0023	0.9332	0.0042	0.0448	0.0002	0.0015	-0.0130	-0.0004
CCV	5.0602	0.4955	1.0223	1.0054	1.0308	5.0187	1.0067	0.5130	0.5080	0.4955	5.0498	0.5115
CCB	-0.0026	-0.0005	0.0000	-0.0039	0.0019	-0.0004	0.0009	-0.0006	0.0000	-0.0002	-0.0194	-0.0003
1705243-1 10X	-0.0001	0.0019	-0.0005	-0.0022	0.0003	1.2006	0.0035	0.1417	0.0003	0.0043	-0.0098	-0.0004
1705369-1 10X	76.4492	0.0001	-0.0023	-0.0046	-0.0011	3.5688	-0.0014	0.3413	-0.0001	-0.0014	-0.0097	-0.0003
1705369-3 10X	1.2287	-0.0011	0.0008	0.0006	0.0010	2.2295	0.0035	0.2036	0.0001	-0.0024	-0.0120	-0.0001
1705376-1 10X	14.0993	-0.0025	-0.0024	-0.0030	-0.0021	2.5062	-0.0014	0.0913	0.0002	-0.0039	-0.0164	-0.0006
Z	-0.0026	-0.0006	0.0038	0.0022	0.0046	0.0012	0.0001	0.0006	0.0000	-0.0025	-0.0071	-0.0003
1705376-5 10X	0.9479	-0.0009	-0.0019	-0.0018	-0.0020	2.5635	0.0007	0.1214	0.0000	-0.0008	-0.0140	-0.0002
1705376-7 10X	1.0131	-0.0008	0.0010	-0.0018	0.0025	2.5706	-0.0008	0.1218	-0.0001	0.0018	-0.0061	-0.0003
1705380-1 10X	37.7611	-0.0004	-0.0015	0.0016	-0.0031	1.4091	-0.0021	11.8671	-0.0016	0.0012	-0.0162	0.0002
1705095-1 1000X	0.1328	-0.0019	-0.0003	0.0024	-0.0017	0.0277	0.0014	0.6224	0.0006	0.0005	-0.0054	0.0004
1705158-1 10X	0.4413	-0.0013	0.0039	0.0039	0.0039	1.4462	0.0027	0.0973	0.0002	-0.0033	-0.0231	-0.0004
CCV	4.9977	0.4883	1.0086	0.9886	1.0185	4.9161	1.0016	0.5037	0.4965	0.4982	4.9831	0.5044
CCB	0.0024	-0.0043	0.0000	-0.0041	0.0020	-0.0017	0.0009	-0.0006	0.0002	0.0012	-0.0176	0.0002
1705158-1D 10X	0.4689	-0.0002	0.0007	0.0031	-0.0004	1.4759	-0.0019	0.1003	0.0002	0.0015	-0.0206	-0.0002
1705158-1L 50X	0.0927	-0.0009	0.0004	-0.0022	0.0017	0.2872	0.0011	0.0204	0.0001	0.0011	-0.0176	-0.0004
1705158-1MS 10X	1.5019	0.0443	0.2050	0.1969	0.2091	1.5636	0.0477	0.1480	0.0503	0.1976	-0.0281	0.0521
1705158-1MSD 10X	1.5069	0.0495	0.2063	0.1993	0.2097	1.5836	0.0487	0.1513	0.0512	0.2065	-0.0281	0.0537
1705177-1 100X	13.2651	0.0020	-0.0014	0.0012	-0.0026	0.1468	-0.0010	0.2274	0.0002	-0.0003	-0.0176	-0.0008
1705177-2 100X	13.3398	-0.0044	0.0009	0.0000	0.0013	0.1448	0.0037	0.2278	0.0001	0.0044	-0.0188	-0.0005
1705177-3 100X	5.5080	0.0012	-0.0001	-0.0010	0.0003	0.1792	-0.0004	0.2634	0.0002	0.0018	-0.0053	-0.0002
1705202-1 100X	0.1579	-0.0004	0.0018	-0.0031	0.0042	0.1257	0.0020	0.1041	0.0000	-0.0022	-0.0331	-0.0002
1705203-1 100X	0.0275	0.0002	0.0018	0.0092	-0.0018	0.0962	-0.0004	0.0489	0.0003	0.0011	-0.0159	0.0001
1705240-1	0.0250	-0.0028	-0.0008	0.0000	-0.0012	8.6427	0.0024	0.4266	0.0000	-0.0064	-0.0161	0.0006
CCV	5.0427	0.4917	1.0116	0.9879	1.0235	4.9615	1.0132	0.5092	0.5007	0.5047	5.0202	0.5083
CCB	-0.0051	-0.0012	0.0000	0.0015	-0.0008	0.0026	0.0044	-0.0007	-0.0001	0.0036	0.0008	0.0001
1705242-1	0.0450	0.0028	0.0017	-0.0006	0.0029	8.8434	-0.0004	0.4361	0.0004	-0.0003	-0.0013	0.0009
1705243-1	0.0350	-0.0005	-0.0001	-0.0017	0.0006	11.1143	-0.0029	1.3391	0.0000	-0.0035	-0.0099	-0.0001
1705369-1 100X	7.7027	-0.0015	0.0000	-0.0004	0.0002	0.3628	0.0022	0.0358	0.0002	0.0059	-0.0257	-0.0003
1705369-3 100X	0.1178	-0.0010	0.0006	0.0024	-0.0003	0.2273	0.0027	0.0220	-0.0001	-0.0014	-0.0245	-0.0004
1705376-1 100X	1.3615	-0.0005	-0.0017	-0.0039	-0.0005	0.2495	0.0027	0.0104	0.0004	-0.0015	-0.0065	-0.0001
1705376-3	127.7398	-0.0023	0.0030	0.0039	0.0025	22.4572	0.0050	0.8080	-0.0003	0.0021	-0.0111	0.0000
1705376-5 100X	0.1479	-0.0004	0.0003	0.0029	-0.0009	0.2745	0.0042	0.0140	0.0003	0.0000	-0.0151	0.0001

Sample Id1	S	Sb	Se	Se I	Se II	Si	Sn	Sr	Ti	Tl	U	V
1705376-7 100X	0.1077	-0.0011	0.0015	0.0033	0.0007	0.2642	0.0014	0.0136	0.0000	0.0024	-0.0304	-0.0003
1705380-1 500X	0.7097	0.0004	-0.0012	-0.0022	-0.0007	0.0310	0.0031	0.2795	-0.0001	-0.0029	-0.0170	-0.0003
1705376-3 50X	2.6996	0.0003	-0.0011	-0.0008	-0.0013	0.4842	0.0011	0.0196	0.0003	0.0008	-0.0041	0.0007
CCV	5.0152	0.4908	1.0057	0.9888	1.0141	4.9148	1.0046	0.5060	0.4943	0.5011	4.9637	0.5039
CCB	-0.0177	0.0000	0.0000	0.0013	-0.0007	-0.0004	0.0014	-0.0007	0.0003	0.0000	-0.0016	0.0001
CRI	0.2231	0.1263	0.0110	0.0104	0.0113	0.1129	0.1074	0.0207	0.0212	0.0191	0.2046	0.1099
LCV	0.2081	0.0513	0.0333	0.0316	0.0341	0.1057	0.0554	0.0197	0.0206	0.0330	0.1918	0.0214
ICSA	0.0425	0.0064	0.0004	-0.0003	0.0007	0.0139	0.0069	0.0157	-0.0012	-0.0071	0.0320	0.0020
ICSAB	1.0807	0.6238	0.0518	0.0615	0.0470	1.0001	1.0329	1.0599	0.9968	0.0861	10.3850	0.5130
CCV	5.0277	0.4955	1.0164	1.0077	1.0207	4.9626	1.0177	0.5117	0.4952	0.5031	5.0183	0.5091
CCB	-0.0152	-0.0005	0.0012	-0.0050	0.0044	-0.0042	0.0009	-0.0007	-0.0001	-0.0002	-0.0304	-0.0008

Sample Id1	Zn	Zr
MIXAHIGH	0.0088	0.0064
MIXBHIGH	10.4258	-0.0140
MIXCHIGH	-0.0293	4.9963
ICV	0.5072	0.5125
ICB	-0.0007	0.0000
CRI	0.0439	0.0556
LIV	0.0197	0.0214
ICSA	0.0067	0.0025
ICSAB	0.9549	0.5053
CCV	1.0069	1.0107
CCB	-0.0009	0.0004
EX170523-5	0.0054	-0.0002
IP170524-4LCS	0.5273	0.0007
1705312-16	0.0504	-0.0004
1705312-16D	0.0511	0.0000
1705312-16L 5X	0.0113	-0.0004
1705312-16MS	0.5384	-0.0002
1705312-16MSD	0.5115	0.0011
Z	-0.0007	0.0001
IP170522-10MB	0.0003	0.0001
Z	0.5339	-0.0004
CCV	0.9980	1.0070
CCB	-0.0002	0.0005
IP170522-10LCS	0.5351	0.0002
1704514-1	0.0039	-0.0013
1704514-2	0.0018	-0.0016
1704514-3	0.0031	-0.0021
1704514-4	0.0001	-0.0002
1704514-5	0.0027	-0.0016
1704514-5D	0.0029	-0.0015
1704514-5L 5X	0.0036	-0.0002
1704514-5MS	0.5310	-0.0016
1704514-5MSD	0.5261	-0.0015
CCV	1.0048	1.0081
CCB	0.0004	0.0005
1704514-6	0.0051	-0.0011
1704514-7	0.0028	-0.0017
1704599-1	0.0107	-0.0017
1704599-1D	0.0098	-0.0016
1704599-1L 5X	0.0022	-0.0005
1704599-1MS	0.5235	-0.0017
1704599-1MSD	0.5220	-0.0021
1704599-2	0.0021	-0.0014
1705095-2 10X	0.0909	-0.0003
1705158-2	-0.0009	-0.0028
CCV	0.9996	1.0081
CCB	0.0011	0.0005
1705213-3	0.0096	-0.0007
1705213-3D	0.0094	-0.0009
Z	0.0008	0.0000

Sample Id1	Zn	Zr
1705213-3MS	0.5263	-0.0006
1705213-3MSD	0.5263	-0.0006
1705213-5	0.0083	-0.0005
1705213-3L 5X	0.0021	0.0000
1705095-2 1000X	0.0026	0.0002
1705158-2 10X	0.0014	-0.0003
IP170522-11MB	0.0006	-0.0005
CCV	0.9957	1.0062
CCB	-0.0005	0.0005
IP170522-11LCS	0.5269	-0.0010
1704608-8	0.0227	-0.0016
1704608-8D	0.0236	-0.0020
1704608-8L 5X	0.0060	-0.0007
1704608-8MS	0.5104	-0.0020
1704608-8MSD	0.5169	-0.0021
1705177-4 10X	0.0599	-0.0003
1705177-5 10X	0.0313	-0.0005
1705177-6 10X	0.0055	-0.0005
1705177-4 100X	0.0073	-0.0003
CCV	0.9943	1.0008
CCB	-0.0009	0.0002
1705177-5 100X	0.0042	0.0000
1705177-6 100X	0.0016	-0.0003
IP170522-13MB	-0.0003	-0.0004
IP170522-13LCS	0.5389	-0.0004
1705198-1	0.0074	-0.0031
1705198-1D	0.0077	-0.0032
1705198-1L 5X	0.0022	-0.0009
1705198-1MS	0.5331	-0.0037
1705198-1MSD	0.5199	-0.0037
1705198-2	0.0062	-0.0031
CCV	0.9955	1.0039
CCB	0.0001	0.0006
1705198-3	0.0069	-0.0031
1705198-4	0.0068	-0.0031
1705198-5	0.0019	-0.0021
1705198-6	0.0012	-0.0020
1705243-2 10X	0.0044	0.0001
1705271-19	0.0399	-0.0006
1705271-19D	0.0396	-0.0007
1705271-19L 5X	0.0075	-0.0002
1705271-19MS	0.5670	-0.0011
1705271-19MSD	0.5692	-0.0014
CCV	0.9959	1.0029
CCB	-0.0004	0.0007
1705243-2	0.0266	-0.0011
IP170523-1MB	-0.0004	-0.0004
IP170523-1LCS	0.5143	0.0000
1705095-1 10X	0.1331	-0.0208
1705158-1	-0.0001	-0.0030

Sample Id1	Zn	Zr
1705158-1D	-0.0012	-0.0025
1705158-1L 5X	0.0016	-0.0005
Z	0.5030	-0.0029
1705158-1MS	0.4939	-0.0025
1705158-1MSD	0.4960	-0.0029
CCV	1.0234	1.0256
CCB	-0.0002	0.0008
1705177-1 10X	0.3027	0.0006
1705177-2 10X	0.0972	-0.0003
1705177-3 10X	0.0380	-0.0001
1705202-1 10X	0.0346	-0.0005
1705203-1 10X	0.0009	-0.0001
1705212-1	0.2381	0.0007
1705212-2	0.2361	0.0001
1705212-3	0.2924	0.0003
1705240-1 10X	0.0054	-0.0003
1705242-1 10X	0.0067	-0.0002
CCV	1.0298	1.0229
CCB	-0.0007	0.0003
1705243-1 10X	0.0064	0.0002
1705369-1 10X	0.0018	-0.0004
1705369-3 10X	0.0018	-0.0003
1705376-1 10X	0.0013	-0.0004
Z	0.0009	0.0000
1705376-5 10X	0.0003	-0.0006
1705376-7 10X	0.0008	-0.0005
1705380-1 10X	0.0006	-0.0003
1705095-1 1000X	0.0066	0.0004
1705158-1 10X	0.0031	-0.0003
CCV	1.0035	1.0056
CCB	0.0006	0.0003
1705158-1D 10X	0.0013	0.0002
1705158-1L 50X	0.0016	-0.0002
1705158-1MS 10X	0.0533	-0.0002
1705158-1MSD 10X	0.0542	-0.0003
1705177-1 100X	0.0326	-0.0002
1705177-2 100X	0.0122	-0.0004
1705177-3 100X	0.0049	0.0001
1705202-1 100X	0.0044	-0.0004
1705203-1 100X	0.0019	-0.0001
1705240-1	0.0447	-0.0013
CCV	1.0153	1.0154
CCB	0.0003	0.0005
1705242-1	0.0566	-0.0003
1705243-1	0.0522	-0.0014
1705369-1 100X	0.0027	-0.0003
1705369-3 100X	0.0014	-0.0003
1705376-1 100X	0.0016	0.0000
1705376-3	-0.0005	-0.0039
1705376-5 100X	0.0009	0.0000

Sample Id1	Zn	Zr
1705376-7 100X	0.0006	-0.0003
1705380-1 500X	0.0016	-0.0002
1705376-3 50X	0.0021	0.0001
CCV	1.0046	1.0082
CCB	0.0000	0.0005
CRI	0.0432	0.0563
LCV	0.0219	0.0218
ICSA	0.0055	0.0025
ICSAB	0.9707	0.5088
CCV	1.0115	1.0190
CCB	-0.0006	0.0001

Method : Paragon2 File : 170525A Printed : 5/25/2017 11:00:02
SampleId1 : BLANK **SampleId2 :** **[STD]**
Analysis commenced : 5/25/2017 10:44:26
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE1

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	109.600	208.000	270.800	78.600	22.800	540.600	178.600	47.600	131.200
#2	109.600	209.000	276.800	78.600	23.200	540.600	177.000	48.000	132.200
Mean	**109.600**	**208.500**	**273.800**	**78.600**	**23.000**	**540.600**	**177.800**	**47.800**	**131.700**
%RSD	0.000	0.339	1.550	0.000	1.230	0.000	0.636	0.592	0.537

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	124.200	221.000	66.000	51.400	672.400	104.800	124.200	13.800	120.400
#2	124.600	223.200	67.000	51.400	676.800	107.000	126.000	14.000	120.800
Mean	**124.400**	**222.100**	**66.500**	**51.400**	**674.600**	**105.900**	**125.100**	**13.900**	**120.600**
%RSD	0.227	0.700	1.063	0.000	0.461	1.469	1.017	1.017	0.235

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	121.600	239.600	3.200	2406.600	720.600	10.800	194.800	615.000	418.800
#2	122.000	243.000	3.000	2403.000	735.400	11.000	194.600	614.000	426.200
Mean	**121.800**	**241.300**	**3.100**	**2404.800**	**728.000**	**10.900**	**194.700**	**614.500**	**422.500**
%RSD	0.232	0.996	4.562	0.106	1.438	1.297	0.073	0.115	1.238

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	328.200	119.600	37.200	206.600	328.800	172.000	147.600	27.800	261.200
#2	328.400	119.400	37.800	210.400	325.600	172.400	149.800	27.200	264.000
Mean	**328.300**	**119.500**	**37.500**	**208.500**	**327.200**	**172.200**	**148.700**	**27.500**	**262.600**
%RSD	0.043	0.118	1.131	1.289	0.692	0.164	1.046	1.543	0.754

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/25/2017 11:00:05 User: STEVE WORKMAN
Method : Paragon2 File : 170525A Printed : 5/25/2017 11:00:03
SampleId1 : RL SampleId2 : [STD]
Analysis commenced : 5/25/2017 10:45:34
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE2

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	116.000	238.000	284.200	182.800	30.400	632.800	182.200	162.000	143.200
#2	116.600	240.600	277.200	184.800	30.000	636.400	185.200	163.200	145.200
Mean	**116.300**	**239.300**	**280.700**	**183.800**	**30.200**	**634.600**	**183.700**	**162.600**	**144.200**
%RSD	0.365	0.768	1.763	0.769	0.937	0.401	1.155	0.522	0.981

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	130.400	238.000	69.600	122.400	830.200	332.200	199.400	17.800	151.200
#2	131.600	236.000	69.200	121.200	828.800	333.200	200.000	17.800	150.000
Mean	**131.000**	**237.000**	**69.400**	**121.800**	**829.500**	**332.700**	**199.700**	**17.800**	**150.600**
%RSD	0.648	0.597	0.408	0.697	0.119	0.213	0.212	0.000	0.563

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	936.400	270.400	3.200	2465.800	768.800	13.200	203.000	622.600	436.400
#2	950.000	271.600	3.200	2473.000	762.000	12.800	202.400	628.800	438.200
Mean	**943.200**	**271.000**	**3.200**	**2469.400**	**765.400**	**13.000**	**202.700**	**625.700**	**437.300**
%RSD	1.020	0.313	0.000	0.206	0.628	2.176	0.209	0.701	0.291

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	387.200	123.600	170.400	338.200	348.200	192.800	159.800	30.600	314.800
#2	391.600	125.000	171.600	339.000	341.800	191.200	157.800	30.800	312.800
Mean	**389.400**	**124.300**	**171.000**	**338.600**	**345.000**	**192.000**	**158.800**	**30.700**	**313.800**
%RSD	0.799	0.796	0.496	0.167	1.312	0.589	0.891	0.461	0.451

	Pb	Se
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/25/2017 11:00:05 User: STEVE WORKMAN
Method : Paragon2 File : 170525A Printed : 5/25/2017 11:00:03
SampleId1 : RL2 SampleId2 : [STD]
Analysis commenced : 5/25/2017 10:46:40
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE3

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	127.400	305.800	303.000	411.200	45.600	840.600	193.400	408.000	168.400
#2	127.200	303.600	307.600	410.400	45.800	839.200	191.800	407.200	165.800
Mean	**127.300**	**304.700**	**305.300**	**410.800**	**45.700**	**839.900**	**192.600**	**407.600**	**167.100**
%RSD	0.111	0.511	1.065	0.138	0.309	0.118	0.587	0.139	1.100

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	142.400	263.200	76.200	267.600	1162.000	835.400	354.600	25.400	208.800
#2	141.800	263.400	75.200	266.400	1161.400	834.400	354.200	25.400	213.000
Mean	**142.100**	**263.300**	**75.700**	**267.000**	**1161.700**	**834.900**	**354.400**	**25.400**	**210.900**
%RSD	0.299	0.054	0.934	0.318	0.037	0.085	0.080	0.000	1.408

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	2740.800	338.200	3.400	2549.000	812.800	17.800	225.400	636.400	458.800
#2	2719.600	339.200	3.400	2546.600	821.000	17.400	223.400	628.600	462.200
Mean	**2730.200**	**338.700**	**3.400**	**2547.800**	**816.900**	**17.600**	**224.400**	**632.500**	**460.500**
%RSD	0.549	0.209	0.000	0.067	0.710	1.607	0.630	0.872	0.522

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	518.600	136.400	455.600	605.200	352.000	230.800	177.000	37.800	425.800
#2	514.400	136.600	456.000	605.600	348.800	231.600	177.200	38.000	425.600
Mean	**516.500**	**136.500**	**455.800**	**605.400**	**350.400**	**231.200**	**177.100**	**37.900**	**425.700**
%RSD	0.575	0.104	0.062	0.047	0.646	0.245	0.080	0.373	0.033

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/25/2017 11:00:05 User: STEVE WORKMAN
Method : Paragon2 File : 170525A Printed : 5/25/2017 11:00:03
SampleId1 : B3 SampleId2 : [STD]
Analysis commenced : 5/25/2017 10:47:47
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE4

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	151.200	208.600	353.200	275.800	329.800	1306.000	181.800	51.000	578.200
#2	152.400	207.600	356.800	271.200	331.000	1304.600	176.400	50.600	576.600
Mean	**151.800**	**208.100**	**355.000**	**273.500**	**330.400**	**1305.300**	**179.100**	**50.800**	**577.400**
%RSD	0.559	0.340	0.717	1.189	0.257	0.076	2.132	0.557	0.196

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	231.600	699.800	184.800	52.200	681.000	107.600	125.800	166.400	376.000
#2	231.600	702.400	184.800	51.800	677.200	107.000	125.200	166.200	380.000
Mean	**231.600**	**701.100**	**184.800**	**52.000**	**679.100**	**107.300**	**125.500**	**166.300**	**378.000**
%RSD	0.000	0.262	0.000	0.544	0.396	0.395	0.338	0.085	0.748

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	127.800	769.600	4.000	3002.800	1072.800	10.800	215.200	682.400	525.000
#2	127.200	771.400	4.000	2971.600	1078.200	11.400	216.800	684.400	518.000
Mean	**127.500**	**770.500**	**4.000**	**2987.200**	**1075.500**	**11.100**	**216.000**	**683.400**	**521.500**
%RSD	0.333	0.165	0.000	0.739	0.355	3.822	0.524	0.207	0.949

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	864.400	163.400	1234.600	1358.000	409.000	173.200	316.400	89.600	271.000
#2	867.200	164.600	1240.000	1363.800	399.400	171.400	318.200	88.000	269.600
Mean	**865.800**	**164.000**	**1237.300**	**1360.900**	**404.200**	**172.300**	**317.300**	**88.800**	**270.300**
%RSD	0.229	0.517	0.309	0.301	1.679	0.739	0.401	1.274	0.366

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/25/2017 11:00:05 User: STEVE WORKMAN
Method : Paragon2 File : 170525A Printed : 5/25/2017 11:00:03
SampleId1 : B2 SampleId2 : [STD]
Analysis commenced : 5/25/2017 10:48:54
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE5

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	528.200	216.400	1084.000	2062.000	3149.200	8430.400	184.800	50.000	4668.800
#2	526.000	215.400	1078.200	2046.000	3118.000	8416.800	186.800	50.800	4626.600
Mean	**527.100**	**215.900**	**1081.100**	**2054.000**	**3133.600**	**8423.600**	**185.800**	**50.400**	**4647.700**
%RSD	0.295	0.328	0.379	0.551	0.704	0.114	0.761	1.122	0.642

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1219.600	5109.000	1288.200	54.600	673.800	107.000	125.600	1571.600	2715.600
#2	1217.600	5105.000	1271.400	55.200	685.200	108.400	127.800	1566.400	2716.000
Mean	**1218.600**	**5107.000**	**1279.800**	**54.900**	**679.500**	**107.700**	**126.700**	**1569.000**	**2715.800**
%RSD	0.116	0.055	0.928	0.773	1.186	0.919	1.228	0.234	0.010

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	132.400	5639.200	13.000	8320.800	4156.400	11.000	413.600	1293.000	1387.600
#2	134.000	5619.600	13.000	8334.600	4211.000	11.600	416.400	1304.400	1424.400
Mean	**133.200**	**5629.400**	**13.000**	**8327.700**	**4183.700**	**11.300**	**415.000**	**1298.700**	**1406.000**
%RSD	0.849	0.246	0.000	0.117	0.923	3.755	0.477	0.621	1.851

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	5842.200	579.600	12208.800	11946.800	1125.600	171.600	1866.800	653.600	281.000
#2	5775.400	577.200	12090.000	11899.800	1127.400	175.800	1864.800	657.000	283.000
Mean	**5808.800**	**578.400**	**12149.400**	**11923.300**	**1126.500**	**173.700**	**1865.800**	**655.300**	**282.000**
%RSD	0.813	0.293	0.691	0.279	0.113	1.710	0.076	0.367	0.501

	Pb	Se
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/25/2017 11:00:05 User: STEVE WORKMAN
Method : Paragon2 File : 170525A Printed : 5/25/2017 11:00:03
SampleId1 : B1 SampleId2 : [STD]
Analysis commenced : 5/25/2017 10:50:00
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE6

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	4387.800	298.000	8418.800	20169.200	30820.400	80685.800	254.800	61.800	44929.800
#2	4382.400	297.800	8418.800	20163.000	30791.600	80697.000	258.200	62.000	44926.000
Mean	**4385.100**	**297.900**	**8418.800**	**20166.100**	**30806.000**	**80691.400**	**256.500**	**61.900**	**44927.900**
%RSD	0.087	0.047	0.000	0.022	0.066	0.010	0.937	0.228	0.006

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	11297.400	50254.800	12587.000	89.400	686.400	118.400	145.600	15322.600	26302.400
#2	11296.400	50259.600	12581.800	89.400	688.800	118.000	144.400	15326.400	26335.000
Mean	**11296.900**	**50257.200**	**12584.400**	**89.400**	**687.600**	**118.200**	**145.000**	**15324.500**	**26318.700**
%RSD	0.006	0.007	0.029	0.000	0.247	0.239	0.585	0.018	0.088

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	149.600	54879.600	96.800	63105.600	35667.800	14.600	2466.000	7409.800	10186.400
#2	149.200	54780.200	98.000	63064.800	36238.400	14.400	2475.400	7413.400	10519.800
Mean	**149.400**	**54829.900**	**97.400**	**63085.200**	**35953.100**	**14.500**	**2470.700**	**7411.600**	**10353.100**
%RSD	0.189	0.128	0.871	0.046	1.122	0.975	0.269	0.034	2.277

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	55031.400	4783.400	114850.000	120527.400	8539.800	196.000	17795.200	6346.400	353.200
#2	54997.600	4787.000	114522.000	120460.400	8548.600	194.600	17771.000	6347.600	350.600
Mean	**55014.500**	**4785.200**	**114686.000**	**120493.900**	**8544.200**	**195.300**	**17783.100**	**6347.000**	**351.900**
%RSD	0.043	0.053	0.202	0.039	0.073	0.507	0.096	0.013	0.522

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/25/2017 11:00:05 User: STEVE WORKMAN
Method : Paragon2 File : 170525A Printed : 5/25/2017 11:00:03
SampleId1 : A5 SampleId2 : [STD]
Analysis commenced : 5/25/2017 10:51:07
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE7

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	113.000	1547.400	286.200	111.600	28.800	549.000	177.400	2591.400	140.400
#2	113.800	1545.000	282.600	106.000	27.400	544.800	178.800	2584.400	141.800
Mean	**113.400**	**1546.200**	**284.400**	**108.800**	**28.100**	**546.900**	**178.100**	**2587.900**	**141.100**
%RSD	0.499	0.110	0.895	3.640	3.523	0.543	0.556	0.191	0.702

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	127.000	237.800	69.200	2518.000	1416.600	2346.600	1681.000	17.000	144.800
#2	127.200	237.600	68.400	2511.800	1417.200	2338.800	1682.000	16.400	138.000
Mean	**127.100**	**237.700**	**68.800**	**2514.900**	**1416.900**	**2342.700**	**1681.500**	**16.700**	**141.400**
%RSD	0.111	0.059	0.822	0.174	0.030	0.235	0.042	2.541	3.401

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	2503.600	253.200	3.200	2461.000	771.200	11.000	201.600	630.200	443.600
#2	2496.800	249.400	3.200	2470.200	764.600	11.000	204.000	621.400	442.800
Mean	**2500.200**	**251.300**	**3.200**	**2465.600**	**767.900**	**11.000**	**202.800**	**625.800**	**443.200**
%RSD	0.192	1.069	0.000	0.264	0.608	0.000	0.837	0.994	0.128

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	411.600	122.400	59.600	248.400	332.400	180.200	156.000	29.200	267.000
#2	385.800	121.600	55.200	243.200	341.400	181.600	157.200	28.800	268.200
Mean	**398.700**	**122.000**	**57.400**	**245.800**	**336.900**	**180.900**	**156.600**	**29.000**	**267.600**
%RSD	4.576	0.464	5.420	1.496	1.889	0.547	0.542	0.975	0.317

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/25/2017 11:00:05 User: STEVE WORKMAN
Method : Paragon2 File : 170525A Printed : 5/25/2017 11:00:04
SampleId1 : A4 SampleId2 : [STD]
Analysis commenced : 5/25/2017 10:52:13
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE8

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	116.400	13926.000	314.400	100.800	24.800	550.600	182.400	25208.400	134.800
#2	118.200	13861.800	312.600	103.200	24.400	550.600	180.800	25250.200	138.400
Mean	**117.300**	**13893.900**	**313.500**	**102.000**	**24.600**	**550.600**	**181.600**	**25229.300**	**136.600**
%RSD	1.085	0.327	0.406	1.664	1.150	0.000	0.623	0.117	1.864

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	128.800	255.200	68.400	24114.400	10192.200	30583.800	15597.800	17.400	149.200
#2	130.400	257.600	68.200	24136.200	10150.000	30432.000	15574.400	17.400	151.600
Mean	**129.600**	**256.400**	**68.300**	**24125.300**	**10171.100**	**30507.900**	**15586.100**	**17.400**	**150.400**
%RSD	0.873	0.662	0.207	0.064	0.293	0.352	0.106	0.000	1.128

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	28954.000	251.400	3.200	2794.800	868.200	12.400	245.600	720.000	496.800
#2	28810.200	252.000	3.200	2814.400	865.000	12.600	245.800	723.600	497.800
Mean	**28882.100**	**251.700**	**3.200**	**2804.600**	**866.600**	**12.500**	**245.700**	**721.800**	**497.300**
%RSD	0.352	0.169	0.000	0.494	0.261	1.131	0.058	0.353	0.142

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	380.200	136.400	50.400	244.400	370.000	214.200	173.600	34.000	284.000
#2	378.600	136.000	50.600	247.200	371.200	215.800	174.600	34.600	285.800
Mean	**379.400**	**136.200**	**50.500**	**245.800**	**370.600**	**215.000**	**174.100**	**34.300**	**284.900**
%RSD	0.298	0.208	0.280	0.805	0.229	0.526	0.406	1.237	0.447

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/25/2017 11:00:05 User: STEVE WORKMAN
Method : Paragon2 File : 170525A Printed : 5/25/2017 11:00:04
SampleId1 : A3 SampleId2 : [STD]
Analysis commenced : 5/25/2017 10:53:20
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE9

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	120.000	27324.400	348.400	106.800	25.200	563.200	185.200	49252.400	144.800
#2	119.200	27471.400	349.600	105.800	25.200	560.800	183.600	49346.200	145.200
Mean	**119.600**	**27397.900**	**349.000**	**106.300**	**25.200**	**562.000**	**184.400**	**49299.300**	**145.000**
%RSD	0.473	0.379	0.243	0.665	0.000	0.302	0.614	0.135	0.195

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	134.400	272.600	69.600	46388.800	20601.000	66622.200	30655.000	20.200	176.000
#2	132.000	270.200	69.200	46469.600	20712.400	66963.400	30745.400	20.200	173.200
Mean	**133.200**	**271.400**	**69.400**	**46429.200**	**20656.700**	**66792.800**	**30700.200**	**20.200**	**174.600**
%RSD	1.274	0.625	0.408	0.123	0.381	0.361	0.208	0.000	1.134

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	57674.000	255.400	3.200	3179.400	987.800	13.400	292.400	824.000	579.600
#2	57978.400	256.800	3.200	3187.000	983.600	13.200	295.800	822.200	570.200
Mean	**57826.200**	**256.100**	**3.200**	**3183.200**	**985.700**	**13.300**	**294.100**	**823.100**	**574.900**
%RSD	0.372	0.387	0.000	0.169	0.301	1.063	0.817	0.155	1.156

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	400.600	150.400	58.000	258.600	415.200	242.000	188.800	40.800	294.600
#2	400.400	148.800	58.400	259.000	421.600	240.200	188.800	40.800	292.600
Mean	**400.500**	**149.600**	**58.200**	**258.800**	**418.400**	**241.100**	**188.800**	**40.800**	**293.600**
%RSD	0.035	0.756	0.486	0.109	1.082	0.528	0.000	0.000	0.482

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/25/2017 11:00:05 User: STEVE WORKMAN
Method : Paragon2 File : 170525A Printed : 5/25/2017 11:00:04
SampleId1 : A2 SampleId2 : [STD]
Analysis commenced : 5/25/2017 10:54:26
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE10

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	123.400	52626.400	417.000	120.800	26.600	582.200	188.400	93869.800	157.400
#2	121.800	52901.600	422.600	121.800	26.400	581.000	191.400	93854.400	151.800
Mean	**122.600**	**52764.000**	**419.800**	**121.300**	**26.500**	**581.600**	**189.900**	**93862.100**	**154.600**
%RSD	0.923	0.369	0.943	0.583	0.534	0.146	1.117	0.012	2.561

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	141.800	292.800	72.000	85947.200	40270.200	140712.800	59628.000	25.800	222.600
#2	140.200	288.600	71.200	86094.800	40497.200	141653.000	59810.000	25.600	221.600
Mean	**141.000**	**290.700**	**71.600**	**86021.000**	**40383.700**	**141182.900**	**59719.000**	**25.700**	**222.100**
%RSD	0.802	1.022	0.790	0.121	0.397	0.471	0.215	0.550	0.318

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	107513.000	269.200	3.400	3946.000	1219.600	16.200	394.400	1031.400	707.200
#2	107890.800	268.000	3.200	3920.600	1236.200	16.000	397.200	1041.800	709.600
Mean	**107701.900**	**268.600**	**3.300**	**3933.300**	**1227.900**	**16.100**	**395.800**	**1036.600**	**708.400**
%RSD	0.248	0.316	4.285	0.457	0.956	0.878	0.500	0.709	0.240

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	435.400	179.600	74.800	277.000	517.800	284.400	213.400	54.800	308.200
#2	436.200	180.000	74.400	274.800	519.200	282.000	212.400	54.400	305.600
Mean	**435.800**	**179.800**	**74.600**	**275.900**	**518.500**	**283.200**	**212.900**	**54.600**	**306.900**
%RSD	0.130	0.157	0.379	0.564	0.191	0.599	0.332	0.518	0.599

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/25/2017 11:00:05 User: STEVE WORKMAN
Method : Paragon2 File : 170525A Printed : 5/25/2017 11:00:04
SampleId1 : A1 SampleId2 : [STD]
Analysis commenced : 5/25/2017 10:55:33
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE11

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	127.800	122324.200	629.600	167.800	30.800	634.800	212.400	212064.600	190.200
#2	129.000	121987.800	631.400	168.600	31.200	631.600	212.400	211957.800	188.400
Mean	**128.400**	**122156.000**	**630.500**	**168.200**	**31.000**	**633.200**	**212.400**	**212011.200**	**189.300**
%RSD	0.661	0.195	0.202	0.336	0.912	0.357	0.000	0.036	0.672

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	166.600	338.600	75.600	180467.200	92622.800	368346.200	142951.000	41.600	373.600
#2	165.600	338.400	76.000	180437.400	92462.000	367161.800	142865.000	41.800	375.000
Mean	**166.100**	**338.500**	**75.800**	**180452.300**	**92542.400**	**367754.000**	**142908.000**	**41.700**	**374.300**
%RSD	0.426	0.042	0.373	0.012	0.123	0.228	0.043	0.339	0.264

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	216791.000	303.200	3.600	6189.200	1907.400	23.200	697.400	1659.400	1130.600
#2	216020.200	301.800	3.600	6204.000	1935.000	22.800	692.800	1680.200	1148.600
Mean	**216405.600**	**302.500**	**3.600**	**6196.600**	**1921.200**	**23.000**	**695.100**	**1669.800**	**1139.600**
%RSD	0.252	0.327	0.000	0.169	1.016	1.230	0.468	0.881	1.117

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	507.600	268.200	119.800	319.200	787.000	403.600	274.600	94.400	343.200
#2	509.000	268.800	119.800	319.400	805.400	403.800	276.000	95.600	342.200
Mean	**508.300**	**268.500**	**119.800**	**319.300**	**796.200**	**403.700**	**275.300**	**95.000**	**342.700**
%RSD	0.195	0.158	0.000	0.044	1.634	0.035	0.360	0.893	0.206

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/25/2017 11:00:05 User: STEVE WORKMAN
Method : Paragon2 File : 170525A Printed : 5/25/2017 11:00:04
SampleId1 : C3 SampleId2 : [STD]
Analysis commenced : 5/25/2017 10:56:41
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE12

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	113.400	222.800	278.800	85.600	23.200	543.000	218.000	74.800	133.200
#2	114.200	219.600	271.600	88.000	23.400	538.600	218.400	70.000	133.800
Mean	**113.800**	**221.200**	**275.200**	**86.800**	**23.300**	**540.800**	**218.200**	**72.400**	**133.500**
%RSD	0.497	1.023	1.850	1.955	0.607	0.575	0.130	4.688	0.318

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	125.000	230.000	67.200	82.600	689.800	130.800	146.800	14.000	121.000
#2	127.200	232.200	68.000	76.000	696.400	128.400	145.800	14.600	122.000
Mean	**126.100**	**231.100**	**67.600**	**79.300**	**693.100**	**129.600**	**146.300**	**14.300**	**121.500**
%RSD	1.234	0.673	0.837	5.885	0.673	1.309	0.483	2.967	0.582

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	176.400	243.000	3.000	2402.000	741.400	30.200	195.400	616.400	424.600
#2	169.200	242.000	3.000	2442.200	746.400	30.600	197.200	623.800	427.400
Mean	**172.800**	**242.500**	**3.000**	**2422.100**	**743.900**	**30.400**	**196.300**	**620.100**	**426.000**
%RSD	2.946	0.292	0.000	1.174	0.475	0.930	0.648	0.844	0.465

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	332.200	121.000	38.000	214.400	329.200	255.200	150.400	27.200	694.400
#2	332.200	118.600	38.600	217.000	325.000	259.400	153.200	27.800	703.200
Mean	**332.200**	**119.800**	**38.300**	**215.700**	**327.100**	**257.300**	**151.800**	**27.500**	**698.800**
%RSD	0.000	1.417	1.108	0.852	0.908	1.154	1.304	1.543	0.890

	Pb	**Se**
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/25/2017 11:00:05 User: STEVE WORKMAN
Method : Paragon2 File : 170525A Printed : 5/25/2017 11:00:05
SampleId1 : C2 SampleId2 : [STD]
Analysis commenced : 5/25/2017 10:57:48
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE13

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	138.400	233.000	269.600	92.800	23.600	576.800	594.800	61.600	134.800
#2	137.600	232.400	274.000	92.000	23.600	576.600	598.200	61.800	132.800
Mean	**138.000**	**232.700**	**271.800**	**92.400**	**23.600**	**576.700**	**596.500**	**61.700**	**133.800**
%RSD	0.410	0.182	1.145	0.612	0.000	0.025	0.403	0.229	1.057

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	129.400	290.400	75.400	64.400	688.400	113.800	186.400	16.000	121.600
#2	130.000	289.400	75.200	64.400	682.400	114.200	185.800	16.000	123.400
Mean	**129.700**	**289.900**	**75.300**	**64.400**	**685.400**	**114.000**	**186.100**	**16.000**	**122.500**
%RSD	0.327	0.244	0.188	0.000	0.619	0.248	0.228	0.000	1.039

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	140.800	250.400	3.000	2516.600	769.200	207.400	199.200	622.200	421.000
#2	139.600	254.600	3.000	2481.800	766.800	206.800	196.200	612.200	429.000
Mean	**140.200**	**252.500**	**3.000**	**2499.200**	**768.000**	**207.100**	**197.700**	**617.200**	**425.000**
%RSD	0.605	1.176	0.000	0.985	0.221	0.205	1.073	1.146	1.331

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	375.400	120.400	40.800	245.200	329.000	1026.600	170.800	27.400	4893.600
#2	375.600	123.000	40.400	241.000	327.400	1022.400	169.200	28.200	4922.000
Mean	**375.500**	**121.700**	**40.600**	**243.100**	**328.200**	**1024.500**	**170.000**	**27.800**	**4907.800**
%RSD	0.038	1.511	0.697	1.222	0.345	0.290	0.666	2.035	0.409

	Pb	Se
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	0.000	0.000

ted: 5/25/2017 11:00:05 User: STEVE WORKMAN
Method : Paragon2 File : 170525A Printed : 5/25/2017 11:00:05
SampleId1 : C1 SampleId2 : [STD]
Analysis commenced : 5/25/2017 10:58:55
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE14

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	384.400	457.600	301.200	170.000	28.000	948.400	4455.400	145.200	162.400
#2	383.800	456.400	302.800	169.600	28.000	946.800	4461.000	144.400	160.600
Mean	**384.100**	**457.000**	**302.000**	**169.800**	**28.000**	**947.600**	**4458.200**	**144.800**	**161.500**
%RSD	0.110	0.186	0.375	0.167	0.000	0.119	0.089	0.391	0.788

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	170.000	921.000	158.400	143.200	689.400	119.200	721.800	35.600	132.400
#2	170.000	918.600	158.800	143.000	691.200	119.600	721.000	35.400	132.800
Mean	**170.000**	**919.800**	**158.600**	**143.100**	**690.300**	**119.400**	**721.400**	**35.500**	**132.600**
%RSD	0.000	0.185	0.178	0.099	0.184	0.237	0.078	0.398	0.213

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	140.800	321.600	3.200	3279.600	1083.600	1994.000	216.800	700.600	469.400
#2	141.200	319.600	3.200	3299.600	1087.600	1993.600	220.800	710.200	467.200
Mean	**141.000**	**320.600**	**3.200**	**3289.600**	**1085.600**	**1993.800**	**218.800**	**705.400**	**468.300**
%RSD	0.201	0.441	0.000	0.430	0.261	0.014	1.293	0.962	0.332

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
Raw intensities									
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	815.200	138.000	63.600	544.400	374.600	8903.400	369.200	31.800	48398.400
#2	812.800	139.200	63.600	542.400	368.800	8914.000	369.600	32.000	48451.200
Mean	**814.000**	**138.600**	**63.600**	**543.400**	**371.700**	**8908.700**	**369.400**	**31.900**	**48424.800**
%RSD	0.208	0.612	0.000	0.260	1.103	0.084	0.077	0.443	0.077

	Pb	Se
Raw intensities		
	Reading	Reading
#1		
#2		
Mean	**0.000**	**0.000**
%RSD	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	0.0000775	0.0005032	0.0	0	1.0000	-0.500	4097.600	5/25/2017 11:00:45
Al 308.215	Al	-0.1544736	0.003674	0.0	0	1.0000	54.400	118507.700	5/25/2017 11:00:45
As 189.042/2	As	0.0079822	0.0006665	0.0	0	1.0000	-11.600	7489.500	5/25/2017 11:00:45
B 249.678/2	B	-0.0060864	0.0005706	0.0	0	1.0000	2.150	17906.500	5/25/2017 11:00:45
Ba 493.409	Ba	0.0000498	0.0003293	0.0	0	1.0000	0.100	29994.300	5/25/2017 11:00:45
Be 313.042	Be	-0.00708	0.0000127	0.0	0	1.0000	540.600	80691.400	5/25/2017 11:00:46
Bi 223.061	Bi	0.0011162	0.0013854	0.0000000	0	1.0000	0.000	3724.600	5/25/2017 11:00:46
Ca 317.933	Ca	-0.090923	0.0020113	0.0	0	1.0000	4.800	204888.900	5/25/2017 11:00:46
Cd 226.502/2	Cd	-0.0005555	0.0001282	0.0	0	1.0000	3.800	38628.100	5/25/2017 11:00:46
Co 228.616	Co	0.0004988	0.0004694	0.0	0	1.0000	-1.000	10906.700	5/25/2017 11:00:46
Cr 267.716	Cr	-0.0004078	0.0002085	0.0	0	1.0000	4.200	49275.100	5/25/2017 11:00:46
Cu 324.753	Cu	-0.0125578	0.0008899	0.0	0	1.0000	15.100	11645.700	5/25/2017 11:00:47
Fe 259.94	Fe	0.0680083	0.0007849	0.0	0	1.0000	1.300	177364.400	5/25/2017 11:00:47
K 766.491	K	-1.0121441	0.0023753	0.0	0	0.99996	674.600	92542.400	5/25/2017 11:00:47
Li 670.784	Li	0.0710427	0.0000272	0.0	0	0.9997	105.900	367754.000	5/25/2017 11:00:47
Mg 279.078	Mg	0.0040048	0.0033748	0.0	0	1.0000	1.900	138939.200	5/25/2017 11:00:47
Mn 257.610	Mn	-0.0001182	0.0006516	0.0	0	1.0000	0.300	15083.300	5/25/2017 11:00:48
Mo 202.030/2	Mo	-0.0019708	0.000416	0.0	0	1.0000	1.100	24310.900	5/25/2017 11:00:48
Na 588.995	Na	0.4044049	0.0004341	0.0	0	0.99993	121.800	216405.600	5/25/2017 11:00:48
Ni 231.604	Ni	-0.0015859	0.0002177	0.0	0	1.0000	8.300	46593.800	5/25/2017 11:00:48
P 178.287/2	P	0.0591651	0.5115593	0.0003536	0	1.0000	-0.100	91.800	5/25/2017 11:00:48
Pb 220.351	Pb I	-0.0014947	0.0001759	0.0	0	1.0000	3.800	58628.200	5/25/2017 11:00:48
Pb 220.352/2	Pb II	-0.0061885	0.0003133	0.0	0	1.0000	1.400	32789.900	5/25/2017 11:00:49
S 182.04/2	S	-0.0101545	0.0260856	-0.0000002	0	1.0000	0.100	1941.600	5/25/2017 11:00:49
Sb 206.838/2	Sb	-0.0045017	0.0010821	0.0000000	0	1.0000	5.300	1933.700	5/25/2017 11:00:49
Se 196.021	Se I	0.0012682	0.000751	0.0	0	1.0000	-1.300	6599.100	5/25/2017 11:00:49
Se 196.021/2	Se II	-0.0017392	0.0005308	0.0	0	1.0000	6.700	9509.800	5/25/2017 11:00:49
Si 288.158	Si	-0.1137131	0.0009277	0.0	0	1.0000	121.600	56968.550	5/25/2017 11:00:49
Sn 189.989	Sn	0.0035087	0.0022465	0.0	0	1.0000	-1.500	9709.750	5/25/2017 11:00:50
Sr 421.552	Sr	-0.0010295	0.0000924	0.0	0	1.0000	0.700	170730.050	5/25/2017 11:00:50

Ti 334.941	Ti	0.000864	0.0000925	0.0	0	1.0000	-11.800	111458.800	5/25/2017 11:00:50
Tl 190.864/2	Tl	0.0097468	0.0006942	0.0	0	1.0000	-14.800	7420.800	5/25/2017 11:00:50
U 385.958	U	-0.0138793	0.0061268	0.0000000	0	1.0000	3.200	8420.900	5/25/2017 11:00:50
V 292.402	V	-0.0005388	0.0002995	0.0	0	1.0000	2.700	17202.600	5/25/2017 11:00:51
Zn 206.2	Zn	-0.0003946	0.0016512	0.0	0	1.0000	0.500	6097.800	5/25/2017 11:00:51
Zr 339.198	Zr	-0.0004895	0.000111	0.0	0	1.0000	6.800	46922.900	5/25/2017 11:00:53

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:16
SampleId1 : MIXAHIGH SampleId2 : [CV]
Analysis commenced : 5/25/2017 11:01:58
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	-0.00114	496.58841	0.00585	-0.00312	0.00242	0.00100	0.01082	494.32443	0.00022
#2	-0.00001	498.59386	-0.00681	-0.00346	0.00249	0.00100	0.00583	495.61235	0.00152
Mean	**-0.00057**	**497.59114**	**-0.00048**	**-0.00329**	**0.00245**	**0.00100**	**0.00833**	**494.96839**	**0.00087**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00088	-0.00032	-0.00870	197.10489	248.43498	10.01245	494.88038	-0.00924	0.00036
#2	0.00079	-0.00114	-0.00834	197.80633	249.15831	10.04446	496.97718	-0.00963	-0.00122
Mean	**0.00084**	**-0.00073**	**-0.00852**	**197.45561**	**248.79665**	**10.02846**	**495.92878**	**-0.00944**	**-0.00043**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	149.36818	0.00159	0.05917	0.01619	-0.01587	0.14635	0.02492	0.03983	-0.01062
#2	149.23429	0.00085	0.05917	0.00557	-0.00823	0.13592	0.00696	0.00632	-0.00957
Mean	**149.30124**	**0.00122**	**0.05917**	**0.01088**	**-0.01205**	**0.14114**	**0.01594**	**0.02308**	**-0.01010**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00001	0.01429	0.00444	-0.00245	-0.01328	0.11535	0.00471	0.00950	0.00642
#2	-0.00389	0.00216	0.00441	-0.00215	-0.01604	0.09380	0.00350	0.00814	0.00631
Mean	**-0.00194**	**0.00823**	**0.00442**	**-0.00230**	**-0.01466**	**0.10457**	**0.00411**	**0.00882**	**0.00636**

	Pb	Se
	calc	calc
#1	-0.00520	0.00618
#2	-0.00363	-0.00428
Mean	**-0.00441**	**0.00095**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:16
SampleId1 : MIXBHIGH SampleId2 : [CV]
Analysis commenced : 5/25/2017 11:03:05
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	1.99661	0.11786	5.01393	9.98519	9.96541	0.98721	-0.00028	-0.02656	4.96942
#2	2.00749	0.11569	5.02566	10.05279	10.03668	0.99057	0.01175	-0.02938	4.98138
Mean	**2.00205**	**0.11677**	**5.01980**	**10.01899**	**10.00105**	**0.98889**	**0.00574**	**-0.02797**	**4.97540**

ted: 5/26/2017 12:48:48 User: STEVE WORKMAN

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.98463	9.96836	9.99398	0.07978	0.64284	0.07489	-0.01017	9.95664	10.00622
#2	5.00809	9.99553	10.08539	0.07774	0.62808	0.07484	-0.01557	9.99413	10.03926
Mean	**4.99636**	**9.98195**	**10.03968**	**0.07876**	**0.63546**	**0.07486**	**-0.01287**	**9.97539**	**10.02274**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48901	10.04012	48.50353	9.98955	9.99113	-0.01537	2.04231	4.97952	5.01794
#2	0.48675	10.08117	48.96346	10.02725	10.11295	0.01593	2.03911	5.05317	5.10984
Mean	**0.48788**	**10.06064**	**48.73349**	**10.00840**	**10.05204**	**0.00028**	**2.04071**	**5.01635**	**5.06389**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.80394	10.01294	9.97529	9.87056	5.01652	-0.08258	4.99593	10.43339	-0.01374
#2	50.15510	10.03814	10.05777	9.95293	5.04879	-0.08503	5.01452	10.41830	-0.01423
Mean	**49.97952**	**10.02554**	**10.01653**	**9.91174**	**5.03265**	**-0.08381**	**5.00523**	**10.42585**	**-0.01398**

	Pb	Se
	calc	calc
#1	9.99061	5.00514
#2	10.08441	5.09097
Mean	**10.03751**	**5.04806**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:16
SampleId1 : MIXCHIGH SampleId2 : [CV]
Analysis commenced : 5/25/2017 11:04:14
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	-0.00369	0.45011	-0.00095	0.02906	0.00176	0.00021	5.02796	-0.05834	-0.00098
#2	-0.00384	0.43508	-0.00295	0.02598	0.00176	0.00021	5.03475	-0.06116	-0.00035
Mean	**-0.00377**	**0.44259**	**-0.00195**	**0.02752**	**0.00176**	**0.00021**	**5.03136**	**-0.05975**	**-0.00067**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00659	-0.00730	0.00524	0.07256	0.62856	0.07442	-0.02299	0.00509	0.00652
#2	0.00640	-0.00822	0.00375	0.07178	0.62380	0.07440	-0.03919	0.00523	0.00452
Mean	**0.00650**	**-0.00776**	**0.00449**	**0.07217**	**0.62618**	**0.07441**	**-0.03109**	**0.00516**	**0.00552**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.46867	0.00063	0.05917	0.00083	-0.00387	49.81691	0.00533	0.00728	0.00463
#2	0.46815	0.00129	0.05917	-0.00081	-0.00492	49.95932	-0.00009	0.02213	0.00367
Mean	**0.46841**	**0.00096**	**0.05917**	**0.00001**	**-0.00440**	**49.88811**	**0.00262**	**0.01470**	**0.00415**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09103	0.02327	0.00111	0.00586	-0.00344	49.86129	-0.00928	-0.02879	4.98923
#2	0.06389	0.02731	0.00156	0.00582	0.00567	49.99589	-0.00970	-0.02982	5.00347
Mean	**0.07746**	**0.02529**	**0.00134**	**0.00584**	**0.00111**	**49.92859**	**-0.00949**	**-0.02930**	**4.99635**

	Pb	Se
	calc	calc
#1	-0.00230	0.00551
#2	-0.00355	0.00982
Mean	**-0.00293**	**0.00767**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:17
SampleId1 : ICV **SampleId2 :** **[CV]**
Analysis commenced : 5/25/2017 11:13:04
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	0.10013	25.63350	0.25180	0.50543	0.50924	0.25494	0.26212	25.01933	0.24486
#2	0.09995	25.54048	0.24433	0.50805	0.50964	0.25584	0.24596	25.07908	0.24210
Mean	**0.10004**	**25.58699**	**0.24807**	**0.50674**	**0.50944**	**0.25539**	**0.25404**	**25.04921**	**0.24348**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.24516	0.50997	0.49731	10.10686	24.46398	0.23922	25.77743	0.51141	0.50436
#2	0.24534	0.50952	0.49521	10.13512	24.40220	0.23871	25.78151	0.51329	0.50411
Mean	**0.24525**	**0.50974**	**0.49626**	**10.12099**	**24.43309**	**0.23897**	**25.77947**	**0.51235**	**0.50424**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	24.06252	0.50663	2.41982	0.50102	0.50857	2.47166	0.24751	0.49937	0.51203
#2	23.98648	0.50572	2.62580	0.49771	0.52669	2.46164	0.24771	0.49076	0.50387
Mean	**24.02450**	**0.50618**	**2.52281**	**0.49937**	**0.51763**	**2.46665**	**0.24761**	**0.49506**	**0.50795**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.50696	0.50038	0.25549	0.25056	0.24890	2.51932	0.25497	0.50701	0.51227
#2	2.50623	0.50467	0.25555	0.25125	0.25047	2.48020	0.25412	0.50732	0.51282
Mean	**2.50660**	**0.50253**	**0.25552**	**0.25090**	**0.24968**	**2.49976**	**0.25455**	**0.50717**	**0.51254**

	Pb	Se
	calc	calc
#1	0.50606	0.50781
#2	0.51704	0.49951
Mean	**0.51155**	**0.50366**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:17

SampleId1 : ICB **SampleId2 :** **[CB]**
Analysis commenced : 5/25/2017 11:14:12
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	-0.00042	-0.03305	0.00332	-0.00152	0.00025	-0.00035	-0.00077	0.01491	-0.00007
#2	-0.00061	-0.03648	0.00038	-0.00232	0.00005	-0.00036	-0.00753	0.01338	-0.00015
Mean	**-0.00051**	**-0.03477**	**0.00185**	**-0.00192**	**0.00015**	**-0.00035**	**-0.00415**	**0.01414**	**-0.00011**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00082	0.00017	0.00115	0.00244	0.21621	0.00340	0.00333	0.00015	-0.00006
#2	-0.00100	-0.00096	0.00027	0.00098	0.20368	0.00336	-0.00409	-0.00012	-0.00097
Mean	**-0.00091**	**-0.00039**	**0.00071**	**0.00171**	**0.20994**	**0.00338**	**-0.00038**	**0.00002**	**-0.00051**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.06261	0.00019	-0.04313	-0.00156	-0.00070	-0.00514	-0.00080	-0.00175	-0.00174
#2	0.06165	-0.00272	-0.04313	-0.00516	0.00334	-0.00012	-0.00059	0.00079	0.00134
Mean	**0.06213**	**-0.00127**	**-0.04313**	**-0.00336**	**0.00132**	**-0.00263**	**-0.00069**	**-0.00048**	**-0.00020**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00058	0.00136	-0.00092	0.00007	0.00204	-0.01021	0.00002	-0.00039	0.00031
#2	-0.00442	0.00093	-0.00097	-0.00038	-0.00608	-0.02858	-0.00122	-0.00110	-0.00031
Mean	**-0.00192**	**0.00115**	**-0.00095**	**-0.00015**	**-0.00202**	**-0.01940**	**-0.00060**	**-0.00074**	**0.00000**

	Pb	Se
	calc	calc
#1	-0.00098	-0.00174
#2	0.00051	0.00116
Mean	**-0.00024**	**-0.00029**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:17
SampleId1 : CRI **SampleId2 :** **[CV]**
Analysis commenced : 5/25/2017 11:15:19
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	0.02085	0.41500	0.01131	0.42410	0.43789	0.01063	0.05611	5.30309	0.01003
#2	0.02155	0.42288	0.00718	0.42126	0.43743	0.01056	0.05962	5.30039	0.01068
Mean	**0.02120**	**0.41894**	**0.00925**	**0.42268**	**0.43766**	**0.01060**	**0.05787**	**5.30174**	**0.01035**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10457	0.02223	0.05353	0.22424	4.30543	0.01940	5.31044	0.03427	0.01999
#2	0.10597	0.02283	0.05317	0.22424	4.30594	0.01942	5.31923	0.03400	0.02116
Mean	**0.10527**	**0.02253**	**0.05335**	**0.22424**	**4.30569**	**0.01941**	**5.31484**	**0.03414**	**0.02058**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.33610	0.09108	0.26385	0.00389	0.01045	0.21560	0.12785	0.01062	0.00869
#2	4.32838	0.08871	0.26385	0.00594	0.00954	0.21059	0.12068	0.00748	0.01251
Mean	**4.33224**	**0.08989**	**0.26385**	**0.00492**	**0.01000**	**0.21309**	**0.12427**	**0.00905**	**0.01060**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.11421	0.10350	0.02051	0.02095	0.01857	0.19417	0.10917	0.04351	0.05556
#2	0.10976	0.10564	0.02053	0.02133	0.01672	0.20765	0.10886	0.04420	0.05570
Mean	**0.11199**	**0.10457**	**0.02052**	**0.02114**	**0.01765**	**0.20091**	**0.10902**	**0.04386**	**0.05563**

	Pb	**Se**
	calc	calc
#1	0.00827	0.00933
#2	0.00834	0.01084
Mean	**0.00831**	**0.01009**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:17
SampleId1 : LIV **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 11:16:26
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD7

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00962	0.16593	0.03251	0.10025	0.10729	0.00496	0.01692	1.02391	0.00587
#2	0.00943	0.17481	0.02704	0.10002	0.10736	0.00502	0.00855	1.02085	0.00511
Mean	**0.00953**	**0.17037**	**0.02978**	**0.10013**	**0.10732**	**0.00499**	**0.01273**	**1.02238**	**0.00549**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01976	0.01030	0.02062	0.10776	0.93944	0.01687	1.04089	0.01116	0.01925
#2	0.01910	0.01101	0.02116	0.10711	0.92892	0.01693	1.04697	0.01076	0.01883
Mean	**0.01943**	**0.01066**	**0.02089**	**0.10744**	**0.93418**	**0.01690**	**1.04393**	**0.01096**	**0.01904**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.82426	0.02000	0.16149	0.01507	0.02184	0.19554	0.04542	0.03735	0.03458
#2	0.82872	0.02209	0.26385	0.01754	0.02581	0.17547	0.05384	0.02983	0.03352
Mean	**0.82649**	**0.02105**	**0.21267**	**0.01630**	**0.02382**	**0.18550**	**0.04963**	**0.03359**	**0.03405**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	0.10475	0.05285	0.01977	0.02041	0.02649	0.18817	0.02129	0.02053	0.02118
#2	0.10605	0.05070	0.01975	0.02075	0.03100	0.17959	0.02048	0.01891	0.02156
Mean	**0.10540**	**0.05178**	**0.01976**	**0.02058**	**0.02875**	**0.18388**	**0.02089**	**0.01972**	**0.02137**

	Pb	**Se**
	calc	calc
#1	0.01958	0.03550
#2	0.02305	0.03229
Mean	**0.02132**	**0.03389**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:17
SampleId1 : ICSA **SampleId2 :** **[ICSAB]**
Analysis commenced : 5/25/2017 11:17:29
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	0.00094	260.48948	0.00172	-0.00164	0.00176	0.00032	0.00463	256.05249	0.00043
#2	-0.00117	261.22092	-0.00655	-0.00380	0.00183	0.00033	-0.00185	255.75290	-0.00045
Mean	**-0.00011**	**260.85520**	**-0.00242**	**-0.00272**	**0.00180**	**0.00032**	**0.00139**	**255.90269**	**-0.00001**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00060	-0.00057	-0.00155	109.15838	0.17563	0.00476	269.19098	-0.00536	-0.00180
#2	-0.00025	-0.00096	-0.00297	109.10267	0.17613	0.00476	269.28518	-0.00563	-0.00197
Mean	**0.00018**	**-0.00077**	**-0.00226**	**109.13052**	**0.17588**	**0.00476**	**269.23808**	**-0.00549**	**-0.00189**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09643	0.00110	0.05917	0.00117	-0.00336	0.03500	0.00558	0.00342	-0.00687
#2	0.09653	-0.00049	0.05917	-0.00968	0.00278	0.03500	0.00228	0.01107	0.00416
Mean	**0.09648**	**0.00030**	**0.05917**	**-0.00426**	**-0.00029**	**0.03500**	**0.00393**	**0.00724**	**-0.00135**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01467	0.00394	0.01559	-0.00115	-0.01210	0.05080	0.00263	0.00784	0.00291
#2	0.01040	0.00609	0.01555	-0.00110	-0.00907	0.03861	0.00082	0.00551	0.00211
Mean	**0.01253**	**0.00501**	**0.01557**	**-0.00113**	**-0.01058**	**0.04470**	**0.00173**	**0.00667**	**0.00251**

	Pb	**Se**
	calc	calc
#1	-0.00185	-0.00344
#2	-0.00137	0.00646
Mean	**-0.00161**	**0.00151**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:18
SampleId1 : ICSAB **SampleId2 :** **[ICSAB]**
Analysis commenced : 5/25/2017 11:18:37

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	0.21260	263.23803	0.10330	1.02861	0.55139	0.50726	0.45258	255.85404	1.00772
#2	0.21371	263.12339	0.11063	1.02975	0.55125	0.50709	0.44506	255.37681	1.00054
Mean	**0.21316**	**263.18071**	**0.10696**	**1.02918**	**0.55132**	**0.50717**	**0.44882**	**255.61543**	**1.00413**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48054	0.50755	0.54610	108.95568	0.16511	1.12991	269.88808	0.50427	1.02084
#2	0.48325	0.50521	0.54646	108.84186	0.15759	1.13115	269.67865	0.50401	1.01611
Mean	**0.48190**	**0.50638**	**0.54628**	**108.89877**	**0.16135**	**1.13053**	**269.78336**	**0.50414**	**1.01848**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.08951	0.99894	1.18631	0.04395	0.05213	1.07824	0.62361	0.05592	0.04762
#2	0.08855	0.99885	1.18631	0.04848	0.05680	1.07824	0.61997	0.04374	0.05397
Mean	**0.08903**	**0.99890**	**1.18631**	**0.04622**	**0.05446**	**1.07824**	**0.62179**	**0.04983**	**0.05080**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.99873	1.02156	1.05579	1.00691	0.09626	10.31405	0.50956	0.95725	0.50541
#2	1.00002	1.01686	1.05461	1.00546	0.08786	10.30449	0.50676	0.95253	0.50526
Mean	**0.99937**	**1.01921**	**1.05520**	**1.00618**	**0.09206**	**10.30927**	**0.50816**	**0.95489**	**0.50533**

	Pb	Se
	calc	calc
#1	0.04940	0.05038
#2	0.05403	0.05057
Mean	**0.05172**	**0.05047**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:18
SampleId1 : CCV SampleId2 : [CV]
Analysis commenced : 5/25/2017 11:19:44
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	0.19936	51.49067	0.49481	1.01838	1.01737	0.50363	0.50374	50.20286	0.49297
#2	0.19705	51.18981	0.48135	1.01736	1.01176	0.50323	0.49755	50.16854	0.49120
Mean	**0.19821**	**51.34024**	**0.48808**	**1.01787**	**1.01456**	**0.50343**	**0.50064**	**50.18570**	**0.49208**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48506	1.01059	0.99596	20.50755	51.77025	0.52454	51.81630	1.01868	1.01204

#2	0.48468	1.00831	0.98587	20.46402	51.49150	0.52113	51.68962	1.01774	1.00441
Mean	**0.48487**	**1.00945**	**0.99092**	**20.48578**	**51.63088**	**0.52284**	**51.75296**	**1.01821**	**1.00823**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.45219	1.00090	5.10640	0.99324	1.01135	4.94016	0.49499	0.97686	0.97686
#2	50.13888	0.99490	5.00272	0.99687	1.03723	4.88511	0.49614	0.99679	1.02097
Mean	**50.29553**	**0.99790**	**5.05456**	**0.99506**	**1.02429**	**4.91263**	**0.49556**	**0.98682**	**0.99891**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.94703	1.01017	0.50929	0.49926	0.49909	4.96656	0.50481	1.00445	1.01197
#2	4.92583	1.00547	0.50566	0.49806	0.49448	4.99828	0.50424	1.00930	1.00944
Mean	**4.93643**	**1.00782**	**0.50748**	**0.49866**	**0.49678**	**4.98242**	**0.50453**	**1.00688**	**1.01070**

	Pb	**Se**
	calc	calc
#1	1.00532	0.97686
#2	1.02379	1.01291
Mean	**1.01455**	**0.99489**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:18
SampleId1 : CCB SampleId2 : [CB]
Analysis commenced : 5/25/2017 11:20:54
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	-0.00033	-0.02054	0.00238	-0.00107	0.00025	-0.00033	0.00652	0.02294	0.00022
#2	-0.00082	-0.02414	-0.00202	-0.00084	0.00018	-0.00038	-0.00402	0.02026	0.00015
Mean	**-0.00057**	**-0.02234**	**0.00018**	**-0.00095**	**0.00021**	**-0.00035**	**0.00125**	**0.02160**	**0.00019**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00022	0.00059	0.00043	0.00668	0.22873	0.00345	0.01615	0.00015	-0.00047
#2	-0.00044	0.00030	0.00009	0.00522	0.22823	0.00343	0.01750	0.00028	-0.00155
Mean	**-0.00011**	**0.00045**	**0.00026**	**0.00595**	**0.22848**	**0.00344**	**0.01683**	**0.00022**	**-0.00101**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.06684	0.00028	0.05917	-0.00291	-0.00192	-0.01517	-0.00039	-0.00158	-0.00280
#2	0.06511	0.00042	-0.04313	-0.00219	-0.00111	-0.01517	0.00249	0.00110	-0.00142
Mean	**0.06597**	**0.00035**	**0.00802**	**-0.00255**	**-0.00152**	**-0.01517**	**0.00105**	**-0.00024**	**-0.00211**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00221	0.00566	-0.00084	-0.00009	-0.00008	0.00694	-0.00016	-0.00004	0.00035
#2	-0.00295	0.00093	-0.00086	-0.00018	0.00177	-0.01634	0.00021	-0.00170	0.00035

Mean	**-0.00258**	**0.00329**	**-0.00085**	**-0.00014**	**0.00084**	**-0.00470**	**0.00002**	**-0.00087**	**0.00035**

	Pb	Se
	calc	calc
#1	-0.00225	-0.00239
#2	-0.00147	-0.00058
Mean	**-0.00186**	**-0.00149**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:18
SampleId1 : EX170523-5 SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 11:21:57
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	-0.00021	-0.02426	0.00505	0.00396	0.00953	-0.00036	0.00327	0.07531	-0.00036
#2	-0.00100	-0.02017	-0.00775	0.00441	0.00940	-0.00033	-0.00376	0.07340	0.00035
Mean	**-0.00060**	**-0.02221**	**-0.00135**	**0.00418**	**0.00947**	**-0.00034**	**-0.00024**	**0.07435**	**-0.00001**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00052	-0.00004	0.00045	0.00652	0.18264	0.00331	0.01548	0.00055	-0.00064
#2	-0.00165	-0.00104	-0.00008	0.00685	0.16410	0.00330	0.01548	0.00028	-0.00131
Mean	**-0.00108**	**-0.00054**	**0.00018**	**0.00668**	**0.17337**	**0.00330**	**0.01548**	**0.00042**	**-0.00097**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.30143	0.00147	0.05917	-0.00453	0.00334	0.00490	0.00291	-0.00476	0.00399
#2	0.30229	0.00060	-0.04313	-0.01015	0.00522	-0.01015	0.00002	0.00393	0.00368
Mean	**0.30186**	**0.00103**	**0.00802**	**-0.00734**	**0.00428**	**-0.00263**	**0.00147**	**-0.00041**	**0.00384**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01061	0.00523	-0.00084	-0.00058	-0.00222	-0.02124	0.00014	0.00555	0.00000
#2	0.00152	0.00222	-0.00088	-0.00049	-0.00462	-0.03962	-0.00054	0.00517	-0.00047
Mean	**0.00606**	**0.00372**	**-0.00086**	**-0.00053**	**-0.00342**	**-0.03043**	**-0.00020**	**0.00536**	**-0.00024**

	Pb	Se
	calc	calc
#1	0.00072	0.00108
#2	0.00010	0.00376
Mean	**0.00041**	**0.00242**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:18
SampleId1 : IP170524-4LCS SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 11:22:59
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE2

Final concentrations **8:49 User: STEVE WORKMAN**

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00098	1.98378	0.97565	0.99463	1.03051	0.05147	0.00354	0.03020	0.04872
#2	-0.00111	1.99909	0.96885	1.00247	1.03942	0.05158	-0.00321	0.02867	0.04890
Mean	**-0.00006**	**1.99143**	**0.97225**	**0.99855**	**1.03497**	**0.05152**	**0.00016**	**0.02943**	**0.04881**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.51411	0.21842	0.26715	1.05361	0.21420	0.00358	0.01818	0.54760	1.00623
#2	0.51383	0.21699	0.26840	1.05853	0.18965	0.00356	0.00738	0.54881	1.01238
Mean	**0.51397**	**0.21771**	**0.26777**	**1.05607**	**0.20193**	**0.00357**	**0.01278**	**0.54821**	**1.00930**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.06991	0.53938	0.05917	0.50703	0.51325	-0.00514	0.49571	1.87759	1.90901
#2	0.06953	0.53401	0.05917	0.50457	0.52915	-0.01517	0.49638	1.89631	1.97300
Mean	**0.06972**	**0.53670**	**0.05917**	**0.50580**	**0.52120**	**-0.01015**	**0.49605**	**1.88695**	**1.94100**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.00982	0.51765	0.51551	0.51769	1.95623	-0.00517	0.54980	0.52751	0.00113
#2	1.01317	0.51593	0.51897	0.52104	1.96501	-0.02723	0.54986	0.52712	0.00026
Mean	**1.01149**	**0.51679**	**0.51724**	**0.51937**	**1.96062**	**-0.01620**	**0.54983**	**0.52732**	**0.00070**

	Pb	Se
	calc	calc
#1	0.51118	1.89855
#2	0.52096	1.94746
Mean	**0.51607**	**1.92300**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:19
SampleId1 : 1705312-16 SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 11:24:01
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	-0.00010	-0.01549	0.00572	0.02689	0.04919	-0.00023	0.00489	219.00901	0.00104
#2	-0.00111	-0.00921	0.00625	0.02712	0.04912	-0.00021	-0.00240	219.39662	0.00104
Mean	**-0.00061**	**-0.01235**	**0.00598**	**0.02701**	**0.04915**	**-0.00022**	**0.00124**	**219.20282**	**0.00104**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00038	0.00001	0.00116	0.00685	1.15358	0.00728	6.86281	0.48557	-0.00006
#2	-0.00037	-0.00065	0.00169	0.00587	1.14956	0.00734	6.90001	0.48719	0.00011
Mean	**0.00001**	**-0.00032**	**0.00143**	**0.00636**	**1.15157**	**0.00731**	**6.88141**	**0.48638**	**0.00003**

ted: 5/26/2017 12:48:49 User: STEVE WORKMAN

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.28748	0.00338	0.05917	0.00015	0.01193	27.75987	0.00353	0.00649	0.00697
#2	2.31371	0.00142	0.05917	0.00005	0.00946	27.92293	0.00106	-0.00056	0.00442
Mean	**2.30060**	**0.00240**	**0.05917**	**0.00010**	**0.01069**	**27.84140**	**0.00230**	**0.00297**	**0.00569**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.43255	0.00093	0.96065	-0.00103	0.00225	-0.03227	0.00058	0.05046	-0.00050
#2	0.43756	0.00394	0.96705	-0.00099	-0.00133	-0.02246	0.00045	0.05043	-0.00022
Mean	**0.43505**	**0.00244**	**0.96385**	**-0.00101**	**0.00046**	**-0.02736**	**0.00051**	**0.05045**	**-0.00036**

	Pb	Se
	calc	calc
#1	0.00801	0.00681
#2	0.00633	0.00276
Mean	**0.00717**	**0.00479**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:19
SampleId1 : 1705312-16D SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 11:25:03
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	-0.00021	-0.01428	0.00412	0.02609	0.04906	-0.00022	0.00111	220.50480	0.00067
#2	-0.00020	-0.01399	-0.00028	0.02564	0.04939	-0.00024	-0.00348	220.53952	0.00122
Mean	**-0.00021**	**-0.01413**	**0.00192**	**0.02586**	**0.04922**	**-0.00023**	**-0.00119**	**220.52216**	**0.00094**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00001	0.00048	0.00169	0.00750	1.15358	0.00732	6.93855	0.48813	-0.00039
#2	0.00029	0.00031	0.00223	0.00685	1.15458	0.00734	6.93585	0.48907	-0.00064
Mean	**0.00015**	**0.00039**	**0.00196**	**0.00717**	**1.15408**	**0.00733**	**6.93720**	**0.48860**	**-0.00051**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.30615	0.00215	0.05917	0.00362	0.01029	27.60667	0.00373	0.00110	-0.00057
#2	2.31116	0.00078	0.05917	0.00223	0.00953	27.70057	0.00146	0.00424	0.01058
Mean	**2.30865**	**0.00147**	**0.05917**	**0.00292**	**0.00991**	**27.65362**	**0.00260**	**0.00267**	**0.00500**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.43681	0.00737	0.96675	-0.00139	0.00200	-0.01389	0.00058	0.05114	0.00001
#2	0.43552	0.00394	0.96647	-0.00124	0.00291	-0.03227	0.00083	0.05114	-0.00010
Mean	**0.43617**	**0.00566**	**0.96661**	**-0.00131**	**0.00246**	**-0.02308**	**0.00070**	**0.05114**	**-0.00005**

	Pb	Seser: STEVE WORKMAN
	calc	calc
#1	0.00807	-0.00001
#2	0.00710	0.00847
Mean	**0.00758**	**0.00423**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:19
SampleId1 : 1705312-16L 5X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 11:26:05
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	-0.00141	-0.02367	-0.00215	0.00099	0.00993	-0.00029	0.00111	42.73638	0.00028
#2	-0.00001	-0.02036	0.00185	0.00350	0.00980	-0.00032	0.00111	42.68030	-0.00008
Mean	**-0.00071**	**-0.02201**	**-0.00015**	**0.00224**	**0.00986**	**-0.00030**	**0.00111**	**42.70834**	**0.00010**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00080	-0.00100	0.00045	0.00114	0.34046	0.00400	1.41089	0.10037	-0.00164
#2	0.00023	0.00000	0.00098	0.00163	0.36101	0.00403	1.41630	0.09983	-0.00106
Mean	**-0.00028**	**-0.00050**	**0.00071**	**0.00139**	**0.35073**	**0.00401**	**1.41360**	**0.10010**	**-0.00135**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.43354	0.00033	0.05917	-0.00866	0.00406	5.75058	0.00126	-0.00822	0.00251
#2	0.42795	-0.00077	0.05917	-0.00156	0.00201	5.67556	-0.00266	0.00381	-0.00206
Mean	**0.43074**	**-0.00022**	**0.05917**	**-0.00511**	**0.00304**	**5.71307**	**-0.00070**	**-0.00221**	**0.00023**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.08742	0.00308	0.19472	-0.00067	-0.00314	-0.02858	-0.00060	0.01112	-0.00077
#2	0.08760	0.00523	0.19230	-0.00022	-0.00167	-0.01633	0.00002	0.01149	-0.00006
Mean	**0.08751**	**0.00415**	**0.19351**	**-0.00044**	**-0.00240**	**-0.02246**	**-0.00029**	**0.01131**	**-0.00042**

	Pb	Se
	calc	calc
#1	-0.00017	-0.00107
#2	0.00082	-0.00011
Mean	**0.00032**	**-0.00059**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:19
SampleId1 : 1705312-16MS **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 11:27:06
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	0.00099	2.01564	0.97072	0.99849	1.05686	0.04813	0.00100	221.03319	0.04842
#2	0.00039	1.97944	0.95139	0.99963	1.05303	0.04820	-0.00115	220.56532	0.04813
Mean	**0.00069**	**1.99754**	**0.96105**	**0.99906**	**1.05494**	**0.04816**	**-0.00008**	**220.79925**	**0.04828**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48272	0.20009	0.26076	0.97705	1.16611	0.00761	6.93855	0.99725	0.96190
#2	0.47925	0.20013	0.25987	0.97885	1.16310	0.00761	6.90542	0.99604	0.96223
Mean	**0.48099**	**0.20011**	**0.26031**	**0.97795**	**1.16461**	**0.00761**	**6.92199**	**0.99664**	**0.96206**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.34024	0.50177	0.05917	0.49785	0.50068	27.63632	0.48734	1.88060	1.88475
#2	2.31833	0.49918	0.05917	0.48905	0.51073	27.66597	0.48775	1.88590	1.95981
Mean	**2.32929**	**0.50047**	**0.05917**	**0.49345**	**0.50571**	**27.65115**	**0.48755**	**1.88325**	**1.92228**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.41063	0.49411	1.47155	0.48516	1.94153	-0.01489	0.51615	0.53793	-0.00025
#2	1.39856	0.49368	1.46586	0.48600	1.90672	-0.01122	0.51646	0.53892	-0.00023
Mean	**1.40460**	**0.49390**	**1.46870**	**0.48558**	**1.92413**	**-0.01305**	**0.51630**	**0.53842**	**-0.00024**

	Pb	Se
	calc	calc
#1	0.49974	1.88337
#2	0.50351	1.93520
Mean	**0.50163**	**1.90928**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:19
SampleId1 : 1705312-16MSD SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 11:28:09
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	0.00079	1.90083	0.91446	0.95269	1.00046	0.04578	0.00173	206.08902	0.04643
#2	0.00109	1.89332	0.90953	0.95337	0.99862	0.04575	0.00091	206.16372	0.04568
Mean	**0.00094**	**1.89707**	**0.91199**	**0.95303**	**0.99954**	**0.04576**	**0.00132**	**206.12637**	**0.04605**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.45689	0.19097	0.24743	0.93493	1.10693	0.00733	6.47601	0.94092	0.91756
#2	0.45736	0.19223	0.24530	0.93411	1.10092	0.00732	6.47804	0.94106	0.91814
Mean	**0.45712**	**0.19160**	**0.24637**	**0.93452**	**1.10392**	**0.00733**	**6.47702**	**0.94099**	**0.91785**

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

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.16839	0.47261	0.16149	0.47785	0.48444	26.06409	0.46319	1.79837	1.84995
#2	2.15387	0.47248	-0.04313	0.47608	0.49204	26.01462	0.46521	1.80019	1.88865
Mean	**2.16113**	**0.47254**	**0.05918**	**0.47697**	**0.48824**	**26.03936**	**0.46420**	**1.79928**	**1.86930**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.33560	0.47013	1.37857	0.46123	1.82743	-0.01362	0.49310	0.51146	0.00105
#2	1.33264	0.47699	1.37528	0.46120	1.83832	-0.01362	0.49132	0.51151	0.00109
Mean	**1.33412**	**0.47356**	**1.37693**	**0.46122**	**1.83287**	**-0.01362**	**0.49221**	**0.51148**	**0.00107**

	Pb	**Se**
	calc	calc
#1	0.48225	1.83278
#2	0.48673	1.85919
Mean	**0.48449**	**1.84598**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:20
SampleId1 : Z **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 11:31:21
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	-0.00051	-0.03321	0.00572	-0.00243	0.00038	-0.00034	0.00246	0.01682	-0.00016
#2	0.00047	-0.03490	0.00505	-0.00255	0.00143	-0.00036	0.00436	0.01567	-0.00026
Mean	**-0.00002**	**-0.03405**	**0.00538**	**-0.00249**	**0.00091**	**-0.00035**	**0.00341**	**0.01625**	**-0.00021**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00003	-0.00013	0.00044	0.00489	0.19867	0.00334	0.00603	0.00002	-0.00131
#2	0.00012	0.00016	0.00096	0.00587	0.19767	0.00335	0.00468	0.00002	-0.00022
Mean	**0.00008**	**0.00001**	**0.00070**	**0.00538**	**0.19817**	**0.00334**	**0.00535**	**0.00002**	**-0.00076**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.05954	-0.00140	-0.04313	-0.00325	-0.00087	-0.01015	-0.00225	0.00365	0.00060
#2	0.05944	-0.00036	-0.04313	-0.00182	-0.00216	-0.01015	0.00353	0.00924	-0.00025
Mean	**0.05949**	**-0.00088**	**-0.04313**	**-0.00253**	**-0.00152**	**-0.01015**	**0.00064**	**0.00644**	**0.00017**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01505	0.00007	-0.00097	0.00025	0.00615	-0.01756	-0.00054	-0.00073	-0.00014
#2	0.01598	0.00351	-0.00090	0.00014	0.00245	0.00695	0.00027	-0.00072	0.00028
Mean	**0.01551**	**0.00179**	**-0.00094**	**0.00020**	**0.00430**	**-0.00531**	**-0.00014**	**-0.00072**	**0.00007**

	Pb	**Se**
	calc	calc

#1	-0.00166	0.00162	**ser: STEVE WORKMAN**
#2	-0.00205	0.00291	
Mean	**-0.00185**	**0.00226**	

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:20
SampleId1 : IP170522-10MB SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 11:34:13
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	0.00107	-0.03006	0.00825	-0.00152	0.00051	-0.00035	0.00355	0.02446	-0.00005
#2	0.00030	-0.02730	-0.00002	-0.00403	0.00064	-0.00032	-0.00321	0.02217	-0.00032
Mean	**0.00068**	**-0.02868**	**0.00412**	**-0.00278**	**0.00058**	**-0.00033**	**0.00017**	**0.02332**	**-0.00019**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00087	0.00093	0.00078	0.00636	0.18715	0.00334	0.01210	0.00028	-0.00081
#2	-0.00025	-0.00065	0.00027	0.00554	0.16962	0.00330	0.00535	0.00002	-0.00247
Mean	**0.00031**	**0.00014**	**0.00052**	**0.00595**	**0.17838**	**0.00332**	**0.00873**	**0.00015**	**-0.00164**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.06050	0.00142	-0.04313	-0.00040	-0.00434	0.01493	0.00002	0.00459	-0.00514
#2	0.05963	-0.00186	-0.04313	-0.00355	0.00106	-0.02019	-0.00081	0.00019	0.00145
Mean	**0.06007**	**-0.00022**	**-0.04313**	**-0.00197**	**-0.00164**	**-0.00263**	**-0.00040**	**0.00239**	**-0.00184**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01708	-0.00036	-0.00083	0.00011	0.00830	0.01920	0.00002	0.00064	0.00046
#2	0.01857	0.00480	-0.00092	-0.00009	-0.00116	-0.02246	-0.00029	-0.00009	-0.00034
Mean	**0.01783**	**0.00222**	**-0.00087**	**0.00001**	**0.00357**	**-0.00163**	**-0.00013**	**0.00027**	**0.00006**

	Pb	**Se**
	calc	calc
#1	-0.00302	-0.00190
#2	-0.00048	0.00103
Mean	**-0.00175**	**-0.00043**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:20
SampleId1 : Z SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 11:35:15
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	0.10620	2.11890	1.03390	1.06361	1.04728	0.05325	0.00298	40.35630	0.05082
#2	0.10491	2.12388	1.03643	1.07202	1.05270	0.05333	0.00137	40.42663	0.05064
Mean	**0.10555**	**2.12139**	**1.03517**	**1.06781**	**1.04999**	**0.05329**	**0.00217**	**40.39146**	**0.05073**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.51255	0.21271	0.26360	1.32077	39.92552	0.51729	41.50031	0.54074	1.02184
#2	0.51358	0.21368	0.26449	1.32931	40.17997	0.52102	41.65804	0.54235	1.02342
Mean	**0.51306**	**0.21319**	**0.26405**	**1.32504**	**40.05275**	**0.51915**	**41.57917**	**0.54155**	**1.02263**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	39.23215	0.52796	0.05917	0.51992	0.52807	0.00490	0.52105	2.15255	2.16058
#2	39.39599	0.53219	0.05917	0.51929	0.53712	0.00991	0.52428	2.17342	2.23988
Mean	**39.31407**	**0.53008**	**0.05917**	**0.51960**	**0.53260**	**0.00741**	**0.52266**	**2.16299**	**2.20023**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.09528	0.52365	0.52672	0.51426	2.06499	-0.01280	0.54782	0.53353	-0.00006
#2	1.09842	0.53436	0.52929	0.51821	2.06641	-0.02506	0.54801	0.53424	-0.00077
Mean	**1.09685**	**0.52901**	**0.52801**	**0.51624**	**2.06570**	**-0.01893**	**0.54792**	**0.53388**	**-0.00042**

	Pb	**Se**
	calc	calc
#1	0.52535	2.15790
#2	0.53119	2.21775
Mean	**0.52827**	**2.18783**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:20
SampleId1 : CCV **SampleId2 :** **[CV]**
Analysis commenced : 5/25/2017 11:37:58
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	0.20036	51.55364	0.48881	1.01861	1.01717	0.50159	0.50884	49.78189	0.49114
#2	0.19929	51.05413	0.49641	1.00997	1.01004	0.50097	0.49647	49.69070	0.48607
Mean	**0.19983**	**51.30388**	**0.49261**	**1.01429**	**1.01360**	**0.50128**	**0.50266**	**49.73630**	**0.48861**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48339	1.00440	1.00249	20.37846	51.76336	0.52645	51.71906	1.01437	1.00739
#2	0.48263	1.00146	0.98907	20.31177	51.32196	0.52151	51.50885	1.01221	1.00549
Mean	**0.48301**	**1.00293**	**0.99578**	**20.34511**	**51.54266**	**0.52398**	**51.61396**	**1.01329**	**1.00644**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.38258	0.99676	5.10640	0.99293	1.00750	4.95517	0.48752	0.99075	1.00340

#2	49.85680	0.99004	4.89906	0.99008	1.01913	4.95016	0.48732	0.99419	1.02867
Mean	**50.11969**	**0.99340**	**5.00273**	**0.99151**	**1.01331**	**4.95266**	**0.48742**	**0.99247**	**1.01603**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.96336	1.00504	0.51026	0.49600	0.50553	4.98740	0.50256	0.99791	1.00899
#2	4.92995	1.00076	0.50671	0.49567	0.48531	4.96189	0.50210	0.99811	1.00493
Mean	**4.94665**	**1.00290**	**0.50848**	**0.49583**	**0.49542**	**4.97465**	**0.50233**	**0.99801**	**1.00696**

	Pb	**Se**
	calc	calc
#1	1.00265	0.99918
#2	1.00945	1.01719
Mean	**1.00605**	**1.00818**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:20
SampleId1 : CCB SampleId2 : [CB]
Analysis commenced : 5/25/2017 11:39:06
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	-0.00012	-0.01645	0.00372	-0.00312	0.00044	-0.00019	-0.00374	0.02638	-0.00020
#2	0.00057	-0.02286	0.00265	-0.00027	0.00051	-0.00025	0.00328	0.02791	0.00017
Mean	**0.00023**	**-0.01965**	**0.00318**	**-0.00169**	**0.00048**	**-0.00022**	**-0.00023**	**0.02714**	**-0.00002**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00006	0.00087	0.00080	0.00799	0.20869	0.00342	0.02358	0.00042	0.00011
#2	-0.00006	0.00033	0.00150	0.00782	0.23274	0.00348	0.02493	0.00042	-0.00172
Mean	**-0.00006**	**0.00060**	**0.00115**	**0.00790**	**0.22072**	**0.00345**	**0.02425**	**0.00042**	**-0.00081**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.06972	0.00174	-0.04313	-0.00380	0.00356	-0.01015	-0.00100	-0.00460	-0.00068
#2	0.06953	0.00069	-0.04313	-0.00139	0.00054	-0.00012	0.00166	0.00878	-0.00089
Mean	**0.06962**	**0.00121**	**-0.04313**	**-0.00260**	**0.00205**	**-0.00514**	**0.00033**	**0.00209**	**-0.00078**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00188	0.00136	-0.00081	0.00013	0.00270	-0.01021	0.00015	-0.00003	0.00024
#2	0.00187	0.00222	-0.00073	0.00034	0.00298	0.00572	0.00076	-0.00038	0.00075
Mean	**0.00188**	**0.00179**	**-0.00077**	**0.00023**	**0.00284**	**-0.00225**	**0.00045**	**-0.00020**	**0.00050**

	Pb	**Se**
	calc	calc
#1	0.00111	-0.00198
#2	-0.00010	0.00233

Mean 0.00050 0.00017ser: STEVE WORKMAN

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:21
SampleId1 : IP170522-10LCS SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 11:40:25
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	0.10561	2.12967	1.03630	1.07917	1.05640	0.05351	0.00002	40.62086	0.05134
#2	0.10580	2.12255	1.03510	1.06997	1.05534	0.05366	0.00111	40.61287	0.05104
Mean	**0.10571**	**2.12611**	**1.03570**	**1.07457**	**1.05587**	**0.05358**	**0.00056**	**40.61686**	**0.05119**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.51657	0.21412	0.26645	1.01423	40.33184	0.50579	41.85745	0.54397	1.02616
#2	0.51451	0.21415	0.26555	1.01111	40.17683	0.50385	41.80350	0.54451	1.01910
Mean	**0.51554**	**0.21413**	**0.26600**	**1.01267**	**40.25434**	**0.50482**	**41.83047**	**0.54424**	**1.02263**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	39.61598	0.53515	0.05917	0.51832	0.53451	0.01995	0.52672	2.16797	2.17349
#2	39.39522	0.53315	-0.04313	0.51972	0.54112	0.00991	0.52766	2.16465	2.22952
Mean	**39.50560**	**0.53415**	**0.00802**	**0.51902**	**0.53781**	**0.01493**	**0.52719**	**2.16631**	**2.20150**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.10585	0.52793	0.53136	0.51921	2.09151	-0.03331	0.54966	0.53723	0.00000
#2	1.10302	0.52707	0.53020	0.52009	2.07409	-0.01615	0.54978	0.53294	0.00036
Mean	**1.10443**	**0.52750**	**0.53078**	**0.51965**	**2.08280**	**-0.02473**	**0.54972**	**0.53508**	**0.00018**

	Pb	Se
	calc	calc
#1	0.52912	2.17165
#2	0.53399	2.20792
Mean	**0.53155**	**2.18978**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:21
SampleId1 : 1704514-1 SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 11:41:39
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	0.00010	0.56233	0.00265	0.00281	0.04629	-0.00018	-0.00018	4.64531	0.00014
#2	-0.00011	0.56103	-0.00268	0.00373	0.04636	-0.00020	-0.00450	4.62725	0.00054

Mean	**0.00000**	**0.56168**	**-0.00002**	**0.00327**	**0.04632**	**-0.00019**	**-0.00234**	**4.63628**	**0.00034**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00099	0.00358	0.00169	0.63336	0.84970	0.00379	3.20610	0.02191	-0.00064
#2	0.00033	0.00323	0.00098	0.63336	0.84518	0.00376	3.21083	0.02178	-0.00114
Mean	**0.00066**	**0.00341**	**0.00133**	**0.63336**	**0.84744**	**0.00377**	**3.20846**	**0.02184**	**-0.00089**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.12471	0.00042	0.05917	-0.00079	0.00016	0.63193	0.00145	-0.00131	-0.00144
#2	4.12641	0.00156	0.05917	-0.00521	0.00087	0.63193	-0.00206	0.01372	0.00163
Mean	**4.12556**	**0.00099**	**0.05917**	**-0.00300**	**0.00052**	**0.63193**	**-0.00030**	**0.00621**	**0.00010**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.01694	0.00606	0.05742	0.02052	-0.00219	-0.02311	0.00092	0.00472	-0.00111
#2	8.03624	0.00391	0.05740	0.02075	0.00034	-0.01453	0.00117	0.00305	-0.00147
Mean	**8.02659**	**0.00499**	**0.05741**	**0.02064**	**-0.00093**	**-0.01882**	**0.00104**	**0.00388**	**-0.00129**

	Pb	Se
	calc	calc
#1	-0.00015	-0.00140
#2	-0.00115	0.00566
Mean	**-0.00065**	**0.00213**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:21
SampleId1 : 1704514-2 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 11:42:41
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	0.00029	0.16551	0.00398	0.00179	0.04115	-0.00028	0.00680	4.89822	0.00011
#2	0.00030	0.16305	0.00172	0.00327	0.04128	-0.00033	0.00059	4.88246	0.00028
Mean	**0.00029**	**0.16428**	**0.00285**	**0.00253**	**0.04122**	**-0.00031**	**0.00369**	**4.89034**	**0.00019**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00011	0.00205	0.00079	0.24758	1.02168	0.00385	2.91697	0.00297	-0.00014
#2	-0.00039	0.00183	0.00133	0.24709	1.01917	0.00380	2.91021	0.00284	-0.00097
Mean	**-0.00025**	**0.00194**	**0.00106**	**0.24734**	**1.02043**	**0.00383**	**2.91359**	**0.00290**	**-0.00056**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.52904	0.00065	0.05917	-0.00138	0.00202	1.09328	0.00002	-0.00460	0.00190
#2	4.53024	-0.00017	0.05917	-0.00623	0.00149	1.09328	0.00042	0.00425	0.00296
Mean	**4.52964**	**0.00024**	**0.05917**	**-0.00380**	**0.00176**	**1.09328**	**0.00022**	**-0.00017**	**0.00243**

ted: 5/26/2017 12:48:49 User: STEVE WORKMAN

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.15031	0.00264	0.04274	0.00536	0.00197	-0.00923	0.00064	0.00201	-0.00161
#2	9.15587	0.00179	0.04261	0.00531	0.00342	-0.01781	0.00008	0.00167	-0.00150
Mean	**9.15309**	**0.00221**	**0.04267**	**0.00534**	**0.00269**	**-0.01352**	**0.00036**	**0.00184**	**-0.00156**

	Pb	Se
	calc	calc
#1	0.00089	-0.00026
#2	-0.00108	0.00339
Mean	**-0.00010**	**0.00157**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:21
SampleId1 : 1704514-3 SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 11:43:43
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	-0.00019	0.21171	-0.00015	0.00065	0.04115	-0.00031	-0.00400	4.79520	-0.00007
#2	-0.00100	0.20870	0.00278	0.00042	0.04135	-0.00029	-0.00725	4.79981	-0.00060
Mean	**-0.00059**	**0.21020**	**0.00132**	**0.00053**	**0.04125**	**-0.00030**	**-0.00562**	**4.79751**	**-0.00033**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00049	0.00163	0.00170	0.28447	1.01015	0.00384	2.87103	0.00324	-0.00180
#2	-0.00096	0.00088	0.00063	0.28349	1.01316	0.00383	2.87779	0.00297	-0.00072
Mean	**-0.00072**	**0.00125**	**0.00116**	**0.28398**	**1.01165**	**0.00383**	**2.87441**	**0.00311**	**-0.00126**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.47275	-0.00031	0.05917	-0.00269	0.00230	1.09830	-0.00082	-0.00042	0.00361
#2	4.51489	-0.00081	0.05917	-0.00856	0.00464	1.09830	-0.00369	-0.00658	0.00488
Mean	**4.49382**	**-0.00056**	**0.05917**	**-0.00562**	**0.00347**	**1.09830**	**-0.00225**	**-0.00350**	**0.00424**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.33652	0.00135	0.04194	0.00682	-0.00110	-0.03500	-0.00028	0.00331	-0.00200
#2	9.40541	-0.00122	0.04213	0.00632	0.00050	-0.03500	-0.00047	0.00295	-0.00215
Mean	**9.37097**	**0.00007**	**0.04203**	**0.00657**	**-0.00030**	**-0.03500**	**-0.00037**	**0.00313**	**-0.00207**

	Pb	Se
	calc	calc
#1	0.00064	0.00227
#2	0.00024	0.00107
Mean	**0.00044**	**0.00167**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:21
SampleId1 : 1704514-4 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 11:44:45
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	-0.00042	-0.03311	-0.00148	-0.00038	0.00005	-0.00035	0.00327	0.01911	0.00028
#2	-0.00050	-0.03967	-0.00108	-0.00289	0.00012	-0.00038	0.00057	0.01835	0.00009
Mean	**-0.00046**	**-0.03639**	**-0.00128**	**-0.00164**	**0.00008**	**-0.00037**	**0.00192**	**0.01873**	**0.00019**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00040	0.00034	0.00044	0.00733	0.20468	0.00329	0.00603	0.00109	-0.00022
#2	-0.00138	-0.00043	0.00010	0.00636	0.19667	0.00325	0.00198	0.00082	-0.00214
Mean	**-0.00049**	**-0.00004**	**0.00027**	**0.00685**	**0.20068**	**0.00327**	**0.00400**	**0.00096**	**-0.00118**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.06569	0.00092	0.05917	-0.00040	0.00027	-0.01015	0.00291	0.00050	-0.00110
#2	0.06463	-0.00013	0.05917	-0.00510	0.00233	-0.01015	-0.00369	0.00244	-0.00259
Mean	**0.06516**	**0.00040**	**0.05917**	**-0.00275**	**0.00130**	**-0.01015**	**-0.00039**	**0.00147**	**-0.00184**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.02155	0.00651	-0.00094	0.00025	-0.00540	-0.01266	0.00021	0.00061	0.00000
#2	0.02229	0.00608	-0.00099	-0.00014	0.00242	-0.03472	-0.00060	-0.00041	-0.00036
Mean	**0.02192**	**0.00630**	**-0.00096**	**0.00005**	**-0.00149**	**-0.02369**	**-0.00020**	**0.00010**	**-0.00018**

	Pb	Se
	calc	calc
#1	0.00004	-0.00057
#2	-0.00014	-0.00091
Mean	**-0.00005**	**-0.00074**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:22
SampleId1 : 1704514-5 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 11:45:46
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	-0.00110	-0.02166	0.00118	0.00316	0.06111	-0.00032	0.00057	9.84084	-0.00005
#2	0.00069	-0.01852	0.00172	0.00407	0.06144	-0.00034	0.00004	9.87679	0.00012
Mean	**-0.00020**	**-0.02009**	**0.00145**	**0.00361**	**0.06128**	**-0.00033**	**0.00030**	**9.85881**	**0.00004**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00073	0.00311	0.00028	0.18443	1.12198	0.00358	4.89610	0.00203	-0.00172
#2	-0.00007	0.00388	0.00061	0.18524	1.13101	0.00358	4.91097	0.00190	-0.00122
Mean	**-0.00040**	**0.00350**	**0.00044**	**0.18484**	**1.12649**	**0.00358**	**4.90353**	**0.00196**	**-0.00147**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.60521	-0.00063	-0.04313	-0.00521	0.00120	1.01807	0.00103	-0.00358	-0.00076
#2	5.58574	0.00042	0.05917	-0.00576	0.00211	1.03311	0.00041	0.01058	0.00264
Mean	**5.59548**	**-0.00011**	**0.00802**	**-0.00548**	**0.00166**	**1.02559**	**0.00072**	**0.00350**	**0.00094**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	7.09016	0.00265	0.09261	0.00045	-0.00577	-0.03858	-0.00018	0.00304	-0.00167
#2	7.09981	0.00565	0.09274	0.00029	-0.00243	-0.00304	-0.00024	0.00242	-0.00152
Mean	**7.09498**	**0.00415**	**0.09268**	**0.00037**	**-0.00410**	**-0.02081**	**-0.00021**	**0.00273**	**-0.00160**

	Pb	Se
	calc	calc
#1	-0.00094	-0.00170
#2	-0.00051	0.00528
Mean	**-0.00072**	**0.00179**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:22
SampleId1 : 1704514-5D SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 11:46:47
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	-0.00010	-0.01844	0.00318	0.00384	0.06157	-0.00034	0.00381	9.86480	-0.00007
#2	-0.00021	-0.02189	-0.00322	0.00247	0.06098	-0.00030	0.00382	9.84586	-0.00007
Mean	**-0.00015**	**-0.02017**	**-0.00002**	**0.00316**	**0.06128**	**-0.00032**	**0.00381**	**9.85533**	**-0.00007**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00011	0.00459	0.00063	0.03423	1.11696	0.00356	4.91029	0.00149	-0.00247
#2	-0.00092	0.00411	0.00133	0.03423	1.12549	0.00359	4.90421	0.00149	-0.00089
Mean	**-0.00040**	**0.00435**	**0.00098**	**0.03423**	**1.12123**	**0.00358**	**4.90725**	**0.00149**	**-0.00168**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.57885	0.00115	0.05917	-0.00312	0.00077	1.02309	-0.00125	-0.00312	0.00103
#2	5.54875	0.00083	0.05917	-0.00298	0.00153	1.00303	-0.00020	-0.00025	0.00230
Mean	**5.56380**	**0.00099**	**0.05917**	**-0.00305**	**0.00115**	**1.01306**	**-0.00073**	**-0.00168**	**0.00166**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	7.09275	0.00222	0.09302	0.00029	0.00110	-0.03107	-0.00046	0.00278	-0.00163
#2	7.06045	-0.00293	0.09226	0.00054	-0.00195	-0.01759	-0.00052	0.00309	-0.00138
Mean	**7.07660**	**-0.00036**	**0.09264**	**0.00041**	**-0.00042**	**-0.02433**	**-0.00049**	**0.00293**	**-0.00150**

	Pb	**Se**
	calc	calc
#1	-0.00053	-0.00035
#2	0.00003	0.00145
Mean	**-0.00025**	**0.00055**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:22
SampleId1 : 1704514-5L 5X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 11:47:48
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	0.00089	-0.02787	0.00025	-0.00072	0.01223	-0.00037	-0.00240	1.96971	0.00034
#2	-0.00041	-0.03032	0.00372	-0.00175	0.01223	-0.00042	-0.00618	1.96320	-0.00040
Mean	**0.00024**	**-0.02910**	**0.00198**	**-0.00124**	**0.01223**	**-0.00039**	**-0.00429**	**1.96646**	**-0.00003**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00005	0.00048	0.00044	0.03879	0.38456	0.00338	0.97878	0.00069	-0.00014
#2	-0.00099	0.00105	0.00027	0.03863	0.37604	0.00336	0.96730	0.00042	-0.00172
Mean	**-0.00047**	**0.00076**	**0.00035**	**0.03871**	**0.38030**	**0.00337**	**0.97304**	**0.00055**	**-0.00093**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.07358	0.00069	0.05917	-0.00064	-0.00159	0.20055	-0.00183	0.00411	0.00028
#2	1.07319	-0.00063	-0.04313	-0.00246	0.00040	0.20055	-0.00143	0.00320	0.00485
Mean	**1.07338**	**0.00003**	**0.00802**	**-0.00155**	**-0.00060**	**0.20055**	**-0.00163**	**0.00365**	**0.00257**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.39947	0.00351	0.01740	0.00036	-0.00726	-0.01392	0.00065	0.00293	-0.00008
#2	1.39353	0.00351	0.01742	-0.00002	-0.00102	-0.02250	-0.00022	0.00427	-0.00042
Mean	**1.39650**	**0.00351**	**0.01741**	**0.00017**	**-0.00414**	**-0.01821**	**0.00021**	**0.00360**	**-0.00025**

	Pb	**Se**
	calc	calc
#1	-0.00127	0.00156
#2	-0.00055	0.00430
Mean	**-0.00091**	**0.00293**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:22
SampleId1 : 1704514-5MS SampleId2 : [SAMPLE]

Analysis commenced : 5/25/2017 11:48:50 WORKMAN
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	0.10510	2.06710	1.01551	1.06600	1.09529	0.05289	-0.00081	49.50310	0.05052
#2	0.10501	2.09839	1.02950	1.07043	1.10296	0.05292	-0.00594	49.53941	0.05103
Mean	**0.10505**	**2.08275**	**1.02250**	**1.06821**	**1.09912**	**0.05291**	**-0.00338**	**49.52126**	**0.05077**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.50646	0.21624	0.26129	1.08838	41.06901	0.49924	45.75553	0.53616	1.01080
#2	0.50843	0.21608	0.26396	1.08903	41.56549	0.50612	46.01328	0.53805	1.01329
Mean	**0.50744**	**0.21616**	**0.26262**	**1.08871**	**41.31725**	**0.50268**	**45.88440**	**0.53711**	**1.01204**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	44.91276	0.51896	0.05917	0.51534	0.52643	0.99300	0.52154	2.12547	2.11631
#2	45.52215	0.52214	0.05917	0.51511	0.53370	1.03311	0.51894	2.14331	2.21310
Mean	**45.21746**	**0.52055**	**0.05917**	**0.51523**	**0.53006**	**1.01306**	**0.52024**	**2.13439**	**2.16470**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	7.75337	0.52923	0.60926	0.51091	2.03264	-0.00643	0.54230	0.53105	-0.00148
#2	7.83599	0.52194	0.61259	0.51276	2.05395	-0.02481	0.54199	0.53104	-0.00167
Mean	**7.79468**	**0.52558**	**0.61092**	**0.51183**	**2.04329**	**-0.01562**	**0.54214**	**0.53105**	**-0.00157**

	Pb	Se
	calc	calc
#1	0.52274	2.11936
#2	0.52751	2.18986
Mean	**0.52512**	**2.15461**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:22
SampleId1 : 1704514-5MSD **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 11:49:52
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE20

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10340	2.08381	1.02310	1.06293	1.09668	0.05245	-0.00028	49.24415	0.04895
#2	0.10390	2.10106	1.01271	1.06543	1.09747	0.05254	-0.00487	49.61122	0.04982
Mean	**0.10365**	**2.09244**	**1.01791**	**1.06418**	**1.09708**	**0.05249**	**-0.00257**	**49.42769**	**0.04939**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	0.50132	0.21297	0.26235	1.05656	41.38039	0.50518	45.78288	0.53186	1.00341
#2	0.50319	0.21415	0.26129	1.05968	41.53140	0.50641	45.99140	0.53428	1.00673
Mean	**0.50226**	**0.21356**	**0.26182**	**1.05812**	**41.45590**	**0.50579**	**45.88714**	**0.53307**	**1.00507**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	45.22635	0.51728	-0.04313	0.51029	0.51715	1.02810	0.51827	2.12955	2.08607
#2	45.48181	0.51850	0.05917	0.51089	0.53050	1.03311	0.51849	2.12365	2.17192
Mean	**45.35408**	**0.51789**	**0.00802**	**0.51059**	**0.52383**	**1.03061**	**0.51838**	**2.12660**	**2.12899**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	7.84469	0.51723	0.60984	0.50795	2.04736	-0.01252	0.53484	0.52397	-0.00178
#2	7.91395	0.52751	0.60959	0.50971	2.05472	-0.01375	0.53829	0.52832	-0.00122
Mean	**7.87932**	**0.52237**	**0.60971**	**0.50883**	**2.05104**	**-0.01314**	**0.53656**	**0.52615**	**-0.00150**

	Pb	**Se**
	calc	calc
#1	0.51487	2.10055
#2	0.52397	2.15584
Mean	**0.51942**	**2.12820**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:23
SampleId1 : CCV **SampleId2 :** **[CV]**
Analysis commenced : 5/25/2017 11:50:57
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	0.20081	51.26965	0.49121	1.01054	1.01083	0.50069	0.50398	49.90175	0.49027
#2	0.20094	51.60210	0.49415	1.01736	1.01862	0.50441	0.50536	50.18186	0.49100
Mean	**0.20087**	**51.43587**	**0.49268**	**1.01395**	**1.01473**	**0.50255**	**0.50467**	**50.04181**	**0.49064**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48413	1.00299	0.98996	20.37556	51.57363	0.50608	51.60129	1.01275	1.00648
#2	0.48572	1.01040	0.99506	20.50791	51.75806	0.50881	51.89163	1.01854	1.00939
Mean	**0.48492**	**1.00670**	**0.99251**	**20.44173**	**51.66585**	**0.50744**	**51.74646**	**1.01565**	**1.00793**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.18157	0.99031	5.10640	0.99734	1.00902	4.90513	0.48429	0.98407	0.97907
#2	50.29232	0.99740	5.00272	1.00309	1.02510	4.98018	0.49436	0.99106	1.02827
Mean	**50.23695**	**0.99385**	**5.05456**	**1.00021**	**1.01706**	**4.94266**	**0.48933**	**0.98757**	**1.00367**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.94592	0.99991	0.50520	0.49558	0.50129	4.94721	0.50317	1.00082	1.00447

#2	4.97373	1.01103	0.50855	0.50050	0.49224	4.99701	0.50635	1.00873	1.01181
Mean	**4.95982**	**1.00547**	**0.50687**	**0.49804**	**0.49676**	**4.97211**	**0.50476**	**1.00478**	**1.00814**

	Pb	**Se**
	calc	calc
#1	1.00513	0.98073
#2	1.01777	1.01588
Mean	**1.01145**	**0.99831**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:23
SampleId1 : CCB SampleId2 : [CB]
Analysis commenced : 5/25/2017 11:52:05
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	-0.00012	-0.01578	0.00185	-0.00141	0.00044	-0.00017	0.00462	0.03364	0.00017
#2	-0.00053	-0.01930	-0.00002	-0.00107	0.00044	-0.00024	0.00004	0.03173	-0.00025
Mean	**-0.00032**	**-0.01754**	**0.00092**	**-0.00124**	**0.00044**	**-0.00021**	**0.00233**	**0.03268**	**-0.00004**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00081	-0.00009	0.00044	0.00945	0.22623	0.00339	0.02358	0.00042	-0.00106
#2	-0.00016	-0.00006	0.00026	0.00815	0.22021	0.00337	0.02020	0.00042	0.00003
Mean	**-0.00049**	**-0.00007**	**0.00035**	**0.00880**	**0.22322**	**0.00338**	**0.02189**	**0.00042**	**-0.00051**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.07971	0.00019	0.05917	-0.00642	0.00507	-0.02521	0.00064	0.00155	-0.00015
#2	0.07760	-0.00031	0.05917	-0.00344	0.00140	-0.01015	0.00168	-0.00324	0.00251
Mean	**0.07866**	**-0.00006**	**0.05917**	**-0.00493**	**0.00323**	**-0.01768**	**0.00116**	**-0.00084**	**0.00118**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00016	-0.00207	-0.00073	-0.00013	0.00323	-0.01511	-0.00072	0.00059	0.00055
#2	0.00077	-0.00164	-0.00077	-0.00014	-0.00048	-0.00408	-0.00035	0.00026	0.00044
Mean	**0.00030**	**-0.00186**	**-0.00075**	**-0.00014**	**0.00137**	**-0.00960**	**-0.00054**	**0.00043**	**0.00050**

	Pb	**Se**
	calc	calc
#1	0.00124	0.00042
#2	-0.00021	0.00059
Mean	**0.00051**	**0.00051**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:23
SampleId1 : 1704514-6 SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 11:53:08
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE21

ted: 5/26/2017 12:48:50 User: STEVE WORKMAN

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00009	0.00995	0.00385	0.00145	0.10676	-0.00017	0.00355	6.87049	-0.00005
#2	-0.00010	0.01946	0.00212	0.00190	0.10696	-0.00016	0.00166	6.87434	-0.00003
Mean	**-0.00001**	**0.01470**	**0.00298**	**0.00167**	**0.10686**	**-0.00017**	**0.00260**	**6.87242**	**-0.00004**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00057	0.00095	0.00044	0.09847	1.53684	0.00369	4.15472	0.00982	-0.00089
#2	-0.00020	0.00083	0.00151	0.09847	1.54286	0.00368	4.15202	0.00996	-0.00180
Mean	**-0.00039**	**0.00089**	**0.00098**	**0.09847**	**1.53985**	**0.00369**	**4.15337**	**0.00989**	**-0.00135**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.54535	-0.00036	0.05917	0.00061	-0.00087	0.48647	0.00125	-0.00115	-0.00013
#2	9.54913	0.00106	0.05917	-0.00330	0.00016	0.51155	-0.00267	-0.00296	0.00528
Mean	**9.54724**	**0.00035**	**0.05917**	**-0.00134**	**-0.00035**	**0.49901**	**-0.00071**	**-0.00205**	**0.00257**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	6.68379	-0.00036	0.09493	0.00128	-0.00126	-0.01153	0.00011	0.00559	-0.00089
#2	6.68936	0.00050	0.09472	0.00104	-0.00047	-0.02378	0.00023	0.00460	-0.00135
Mean	**6.68658**	**0.00007**	**0.09482**	**0.00116**	**-0.00086**	**-0.01766**	**0.00017**	**0.00509**	**-0.00112**

	Pb	Se
	calc	calc
#1	-0.00038	-0.00047
#2	-0.00099	0.00254
Mean	**-0.00068**	**0.00103**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:23
SampleId1 : 1704514-7 SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 11:54:10
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	-0.00009	0.00404	-0.00268	0.00030	0.25377	-0.00023	-0.00348	19.88114	-0.00010
#2	0.00059	0.00710	0.00332	0.00030	0.25265	-0.00025	0.00382	19.88114	0.00003
Mean	**0.00025**	**0.00557**	**0.00032**	**0.00030**	**0.25321**	**-0.00024**	**0.00017**	**19.88114**	**-0.00003**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00001	0.00084	0.00045	0.11510	3.98838	0.01988	18.97574	0.02581	-0.00189
#2	0.00057	0.00095	0.00097	0.11575	3.98133	0.01972	18.97099	0.02581	-0.00022

Mean	**0.00029**	**0.00090**	**0.00071**	**0.11543**	**3.98485**	**0.01980**	**18.97337**	**0.02581**	**-0.00106**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	21.43948	0.00133	0.05917	-0.00135	-0.00186	0.21560	0.00104	0.00153	-0.00003
#2	21.31576	0.00188	0.05917	0.00381	-0.00016	0.20557	0.00146	-0.00730	0.00093
Mean	**21.37762**	**0.00160**	**0.05917**	**0.00123**	**-0.00101**	**0.21059**	**0.00125**	**-0.00288**	**0.00045**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.21941	0.00351	0.11595	0.00088	0.00657	-0.03728	-0.00014	0.00294	-0.00162
#2	9.20158	0.00136	0.11527	0.00103	0.00353	-0.00420	0.00036	0.00262	-0.00171
Mean	**9.21049**	**0.00243**	**0.11561**	**0.00095**	**0.00505**	**-0.02074**	**0.00011**	**0.00278**	**-0.00167**

	Pb	Se
	calc	calc
#1	-0.00169	0.00049
#2	0.00116	-0.00181
Mean	**-0.00027**	**-0.00066**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:23
SampleId1 : 1704599-1 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 11:55:11
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	-0.00082	-0.02756	0.04371	0.09238	0.02699	-0.00020	-0.00212	99.90175	-0.00045
#2	-0.00100	-0.02975	0.04784	0.09192	0.02725	-0.00017	-0.00456	99.98568	-0.00030
Mean	**-0.00091**	**-0.02866**	**0.04577**	**0.09215**	**0.02712**	**-0.00018**	**-0.00334**	**99.94371**	**-0.00038**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00012	0.00064	0.00061	3.65335	3.31438	0.11325	65.31511	0.12644	0.00294
#2	-0.00087	-0.00065	0.00027	3.66600	3.33751	0.11441	65.65329	0.12684	0.00252
Mean	**-0.00050**	**0.00000**	**0.00044**	**3.65968**	**3.32595**	**0.11383**	**65.48420**	**0.12664**	**0.00273**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	29.09392	0.00042	0.05917	-0.00458	0.00049	111.78064	-0.00118	-0.00099	0.00670
#2	29.36519	-0.00004	-0.04313	-0.00605	0.00419	112.61337	-0.00262	-0.00477	-0.00190
Mean	**29.22955**	**0.00019**	**0.00802**	**-0.00532**	**0.00234**	**112.19700**	**-0.00190**	**-0.00288**	**0.00240**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.46079	0.00136	0.19711	-0.00020	-0.01004	-0.00173	-0.00033	0.01086	-0.00153
#2	9.52189	-0.00465	0.19834	-0.00063	-0.00262	-0.02993	-0.00051	0.01047	-0.00181
Mean	**9.49134**	**-0.00164**	**0.19773**	**-0.00041**	**-0.00633**	**-0.01583**	**-0.00042**	**0.01067**	**-0.00167**

ted: 5/26/2017 12:48:50 User: STEVE WORKMAN

	Pb	Se
	calc	calc
#1	-0.00120	0.00414
#2	0.00078	-0.00285
Mean	**-0.00021**	**0.00064**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:24
SampleId1 : 1704599-1D SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 11:56:14
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	-0.00030	-0.03044	0.04624	0.08964	0.02692	-0.00016	-0.00294	99.04084	0.00010
#2	0.00039	-0.02476	0.04051	0.09067	0.02699	-0.00019	0.00435	98.70082	0.00065
Mean	**0.00005**	**-0.02760**	**0.04337**	**0.09015**	**0.02696**	**-0.00017**	**0.00071**	**98.87083**	**0.00037**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00054	-0.00048	0.00080	3.56003	3.28723	0.11299	64.91304	0.12429	0.00335
#2	-0.00068	0.00025	0.00044	3.55703	3.28321	0.11246	64.67320	0.12388	0.00385
Mean	**-0.00007**	**-0.00011**	**0.00062**	**3.55853**	**3.28522**	**0.11272**	**64.79312**	**0.12409**	**0.00360**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	29.00401	0.00156	0.05917	0.00046	-0.00187	111.22053	-0.00488	0.00184	0.00414
#2	28.82858	0.00165	0.05917	-0.00118	0.00039	110.84860	0.00006	-0.00235	0.00053
Mean	**28.91629**	**0.00160**	**0.05917**	**-0.00036**	**-0.00074**	**111.03456**	**-0.00241**	**-0.00025**	**0.00233**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.41996	0.00050	0.19624	-0.00020	-0.00317	-0.02737	-0.00078	0.00949	-0.00170
#2	9.37354	0.00050	0.19537	-0.00059	-0.00237	-0.01021	0.00014	0.01018	-0.00147
Mean	**9.39675**	**0.00050**	**0.19581**	**-0.00040**	**-0.00277**	**-0.01879**	**-0.00032**	**0.00984**	**-0.00159**

	Pb	Se
	calc	calc
#1	-0.00109	0.00337
#2	-0.00014	-0.00043
Mean	**-0.00062**	**0.00147**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:24
SampleId1 : 1704599-1L 5X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 11:57:16
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE25

Final concentrations

ted: 5/26/2017 12:48:50 User: STEVE WORKMAN

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00021	-0.02633	0.00785	0.01617	0.00558	-0.00025	-0.00348	19.68728	0.00015
#2	-0.00011	-0.03024	0.00558	0.01765	0.00558	-0.00030	0.00246	19.70526	0.00020
Mean	**-0.00016**	**-0.02829**	**0.00672**	**0.01691**	**0.00558**	**-0.00028**	**-0.00051**	**19.69627**	**0.00018**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00015	-0.00158	0.00009	0.74512	0.68777	0.02090	12.86704	0.02527	-0.00106
#2	-0.00015	0.00035	-0.00009	0.74201	0.70281	0.02073	12.86975	0.02554	-0.00047
Mean	**-0.00015**	**-0.00061**	**0.00000**	**0.74357**	**0.69529**	**0.02081**	**12.86840**	**0.02540**	**-0.00076**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.14479	-0.00027	0.05917	-0.00697	0.00297	23.25737	-0.00327	-0.00130	-0.00239
#2	5.07970	-0.00008	0.05917	-0.00212	-0.00201	23.04433	0.00044	-0.00416	0.00388
Mean	**5.11225**	**-0.00017**	**0.05917**	**-0.00454**	**0.00048**	**23.15085**	**-0.00142**	**-0.00273**	**0.00075**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.90996	0.00179	0.03881	-0.00025	-0.00017	-0.01465	-0.00092	0.00218	-0.00067
#2	1.89679	0.00136	0.03865	0.00013	-0.00004	-0.01955	-0.00048	0.00226	-0.00035
Mean	**1.90337**	**0.00158**	**0.03873**	**-0.00006**	**-0.00010**	**-0.01710**	**-0.00070**	**0.00222**	**-0.00051**

	Pb	Se
	calc	calc
#1	-0.00034	-0.00202
#2	-0.00204	0.00120
Mean	**-0.00119**	**-0.00041**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:24
SampleId1 : 1704599-1MS SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 11:58:19
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	0.10512	2.11505	1.07789	1.16608	1.06386	0.05166	0.00159	140.91827	0.04923
#2	0.10680	2.11347	1.06310	1.15960	1.06089	0.05164	-0.00326	140.92531	0.04960
Mean	**0.10596**	**2.11426**	**1.07049**	**1.16284**	**1.06237**	**0.05165**	**-0.00084**	**140.92179**	**0.04941**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49858	0.20683	0.26414	4.54799	47.37050	0.67128	107.51583	0.64962	1.00507
#2	0.49727	0.20611	0.26395	4.54114	47.31669	0.66934	107.46299	0.64841	1.01130
Mean	**0.49793**	**0.20647**	**0.26405**	**4.54456**	**47.34359**	**0.67031**	**107.48941**	**0.64901**	**1.00818**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	71.28310	0.51373	-0.04313	0.50766	0.51987	112.67452	0.51730	2.13089	2.10717
#2	71.16885	0.51277	0.16149	0.50610	0.52630	112.03003	0.51676	2.13561	2.20217
Mean	**71.22598**	**0.51325**	**0.05918**	**0.50688**	**0.52309**	**112.35227**	**0.51703**	**2.13325**	**2.15467**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	10.43758	0.52752	0.71873	0.50086	2.01400	-0.03452	0.53377	0.52370	-0.00182
#2	10.44503	0.52624	0.71601	0.50161	2.03792	-0.00510	0.53439	0.52334	-0.00160
Mean	**10.44130**	**0.52688**	**0.71737**	**0.50124**	**2.02596**	**-0.01981**	**0.53408**	**0.52352**	**-0.00171**

	Pb	Se
	calc	calc
#1	0.51580	2.11507
#2	0.51957	2.18001
Mean	**0.51769**	**2.14754**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:24
SampleId1 : 1704599-1MSD SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 12:01:16
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	0.10339	2.09406	1.06643	1.15869	1.05673	0.05154	-0.00030	140.25043	0.05083
#2	0.10520	2.10122	1.05523	1.16596	1.06003	0.05158	0.00834	140.54540	0.04922
Mean	**0.10430**	**2.09764**	**1.06083**	**1.16233**	**1.05838**	**0.05156**	**0.00402**	**140.39791**	**0.05002**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49746	0.20576	0.26306	4.53077	46.96855	0.66426	106.97987	0.64639	1.00773
#2	0.49849	0.20620	0.26502	4.53662	47.16476	0.66663	107.23359	0.64773	1.00665
Mean	**0.49797**	**0.20598**	**0.26404**	**4.53369**	**47.06665**	**0.66545**	**107.10673**	**0.64706**	**1.00719**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	70.52985	0.51482	0.05917	0.50544	0.51803	111.85122	0.51351	2.13320	2.15573
#2	70.71358	0.51168	-0.04313	0.50810	0.52535	111.84181	0.51249	2.13469	2.22766
Mean	**70.62172**	**0.51325**	**0.00802**	**0.50677**	**0.52169**	**111.84652**	**0.51300**	**2.13395**	**2.19169**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	10.36815	0.52410	0.71101	0.49903	2.05136	0.00104	0.53155	0.52234	-0.00223
#2	10.41753	0.53052	0.71252	0.50059	2.03106	-0.01367	0.53291	0.52170	-0.00199
Mean	**10.39284**	**0.52731**	**0.71177**	**0.49981**	**2.04121**	**-0.00632**	**0.53223**	**0.52202**	**-0.00211**

	Pb	Se

	calc	calc
		ser: STEVE WORKMAN
#1	0.51384	2.14822
#2	0.51960	2.19670
Mean	**0.51672**	**2.17246**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:24
SampleId1 : 1704599-2 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 12:02:19
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	-0.00092	-0.02015	0.04771	0.09089	0.02738	-0.00011	0.00273	98.66991	-0.00012
#2	-0.00011	-0.02110	0.04317	0.09101	0.02745	-0.00010	-0.00645	98.56704	0.00012
Mean	**-0.00051**	**-0.02062**	**0.04544**	**0.09095**	**0.02742**	**-0.00010**	**-0.00186**	**98.61847**	**0.00000**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00003	-0.00023	0.00008	3.48952	3.29427	0.11317	64.82577	0.12429	0.00427
#2	-0.00040	0.00000	0.00044	3.48985	3.29578	0.11300	64.73299	0.12429	0.00493
Mean	**-0.00021**	**-0.00012**	**0.00026**	**3.48969**	**3.29502**	**0.11308**	**64.77938**	**0.12429**	**0.00460**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	28.93682	0.00115	0.05917	-0.00016	0.00266	110.65082	0.00069	0.00276	0.00646
#2	28.91948	0.00106	-0.04313	-0.00019	0.00112	110.66495	-0.00034	0.00035	-0.00065
Mean	**28.92815**	**0.00110**	**0.00802**	**-0.00017**	**0.00189**	**110.65789**	**0.00017**	**0.00156**	**0.00291**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.39730	-0.00078	0.19645	-0.00007	0.00931	-0.00646	0.00025	0.00224	-0.00168
#2	9.39211	0.00050	0.19626	0.00018	0.00532	-0.01504	-0.00024	0.00192	-0.00117
Mean	**9.39471**	**-0.00014**	**0.19635**	**0.00005**	**0.00732**	**-0.01075**	**0.00000**	**0.00208**	**-0.00142**

	Pb	**Se**
	calc	calc
#1	0.00172	0.00523
#2	0.00068	-0.00032
Mean	**0.00120**	**0.00246**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:25
SampleId1 : 1705095-2 10X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 12:03:21
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	0.00139	-0.03234	0.00638	2.57273	0.62282	0.00003	0.00136	1631.09591	0.00063
#2	-0.00008	-0.03428	0.00145	2.57205	0.62507	0.00003	0.00162	1626.71629	-0.00031
Mean	**0.00066**	**-0.03331**	**0.00392**	**2.57239**	**0.62394**	**0.00003**	**0.00149**	**1628.90610**	**0.00016**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00064	0.00139	0.00169	4.07268	172.36068	3.88526	181.55909	0.18476	0.00111
#2	0.00064	0.00011	0.00064	4.07468	173.37706	3.89786	181.82702	0.18476	-0.00222
Mean	**0.00064**	**0.00075**	**0.00116**	**4.07368**	**172.86887**	**3.89156**	**181.69306**	**0.18476**	**-0.00056**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	373.46300	0.00197	0.05917	0.00539	0.00062	12.08666	0.00045	-0.00310	-0.00535
#2	370.99144	0.00119	0.05917	0.00141	0.00356	12.09165	-0.00287	-0.00014	-0.00078
Mean	**372.22722**	**0.00158**	**0.05917**	**0.00340**	**0.00209**	**12.08916**	**-0.00121**	**-0.00162**	**-0.00307**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.47970	0.00180	38.58719	-0.00839	0.02076	-0.01074	0.00114	0.09180	-0.00016
#2	1.47339	0.00481	38.43415	-0.00864	0.01541	-0.06099	-0.00035	0.09009	-0.00039
Mean	**1.47654**	**0.00330**	**38.51067**	**-0.00851**	**0.01809**	**-0.03586**	**0.00039**	**0.09094**	**-0.00027**

	Pb	**Se**
	calc	calc
#1	0.00221	-0.00460
#2	0.00284	-0.00057
Mean	**0.00253**	**-0.00259**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:25
SampleId1 : 1705158-2 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 12:04:23
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	-0.00048	0.01434	0.00678	2.54472	8.81114	-0.00006	0.00084	6.07566	-0.00030
#2	-0.00060	0.02563	0.00425	2.55195	8.79815	-0.00008	-0.00645	6.01831	0.00016
Mean	**-0.00054**	**0.01999**	**0.00552**	**2.54834**	**8.80464**	**-0.00007**	**-0.00281**	**6.04699**	**-0.00007**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00288	-0.00090	0.00117	0.09651	10.42240	0.40037	1.47639	0.02957	-0.00106
#2	0.00258	-0.00018	0.00009	0.09619	10.40415	0.40040	1.48720	0.02970	-0.00205
Mean	**0.00273**	**-0.00054**	**0.00063**	**0.09635**	**10.41327**	**0.40039**	**1.48179**	**0.02964**	**-0.00155**

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

#1	434.79901	0.00033	-0.04313	-0.00347	0.00266	5.11528	-0.00348	-0.00464	-0.00003
#2	441.81173	-0.00086	-0.04313	-0.00505	0.00088	5.13529	0.00413	-0.00085	0.00645
Mean	**438.30537**	**-0.00027**	**-0.04313**	**-0.00426**	**0.00177**	**5.12528**	**0.00033**	**-0.00275**	**0.00321**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	14.55966	-0.00293	0.93431	-0.00004	0.00510	-0.04952	-0.00126	-0.00142	-0.00297
#2	14.58528	-0.00637	0.93508	-0.00007	0.00419	-0.01888	-0.00027	-0.00040	-0.00253
Mean	**14.57247**	**-0.00465**	**0.93470**	**-0.00005**	**0.00464**	**-0.03420**	**-0.00076**	**-0.00091**	**-0.00275**

	Pb	**Se**
	calc	calc
#1	0.00062	-0.00156
#2	-0.00110	0.00402
Mean	**-0.00024**	**0.00123**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:25
SampleId1 : CCV SampleId2 : [CV]
Analysis commenced : 5/25/2017 12:06:19
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	0.19927	51.17176	0.49388	1.01907	1.01374	0.49845	0.50184	49.44098	0.49077
#2	0.19876	51.15283	0.49588	1.02179	1.01360	0.50101	0.50077	49.71653	0.49155
Mean	**0.19901**	**51.16229**	**0.49488**	**1.02043**	**1.01367**	**0.49973**	**0.50131**	**49.57875**	**0.49116**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48144	0.99966	0.99896	20.28296	51.63934	0.50779	51.41162	1.00709	1.00640
#2	0.48358	1.00445	0.99790	20.37501	51.56674	0.50726	51.59718	1.01140	1.01412
Mean	**0.48251**	**1.00205**	**0.99843**	**20.32898**	**51.60304**	**0.50753**	**51.50440**	**1.00925**	**1.01026**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	48.36568	1.00485	4.89906	0.99023	1.00024	4.94516	0.48955	0.99150	0.99799
#2	48.43905	1.00453	5.10640	0.99398	1.01368	4.97018	0.49362	0.99737	1.03312
Mean	**48.40237**	**1.00469**	**5.00273**	**0.99211**	**1.00696**	**4.95767**	**0.49159**	**0.99444**	**1.01555**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.91663	1.00762	0.50531	0.48903	0.49759	4.99237	0.50320	0.99672	1.00627
#2	4.92147	1.00462	0.50639	0.49237	0.50725	4.98375	0.50292	1.00253	1.00992
Mean	**4.91905**	**1.00612**	**0.50585**	**0.49070**	**0.50242**	**4.98806**	**0.50306**	**0.99962**	**1.00810**

	Pb	**Se**
	calc	calc
#1	0.99691	0.99583

#2	1.00712	1.02121	**ser: STEVE WORKMAN**
Mean	**1.00201**	**1.00852**	

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:25
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 5/25/2017 12:07:28
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	-0.00061	0.00964	-0.00402	0.00167	0.00077	0.00002	0.00543	0.04625	-0.00006
#2	0.00047	0.00126	0.00052	0.00213	0.00084	-0.00003	-0.00293	0.04549	-0.00048
Mean	**-0.00007**	**0.00545**	**-0.00175**	**0.00190**	**0.00081**	**0.00000**	**0.00125**	**0.04587**	**-0.00027**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00081	-0.00009	0.00027	0.01125	0.20769	0.00345	0.03033	0.00055	-0.00089
#2	-0.00006	0.00081	0.00079	0.01157	0.23575	0.00349	0.03168	0.00055	0.00003
Mean	**-0.00044**	**0.00036**	**0.00053**	**0.01141**	**0.22172**	**0.00347**	**0.03100**	**0.00055**	**-0.00043**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.13622	0.00033	0.05917	-0.00824	0.00478	-0.01015	0.00270	-0.00116	0.00474
#2	0.13151	0.00142	0.05917	-0.00212	0.00295	-0.00514	-0.00245	0.00337	0.00219
Mean	**0.13387**	**0.00087**	**0.05917**	**-0.00518**	**0.00387**	**-0.00765**	**0.00013**	**0.00111**	**0.00346**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00016	0.00394	-0.00049	0.00016	0.00336	-0.02492	-0.00060	0.00158	0.00009
#2	0.00002	-0.00207	-0.00044	0.00052	-0.00127	0.00326	-0.00016	0.00063	0.00093
Mean	**-0.00007**	**0.00093**	**-0.00047**	**0.00034**	**0.00104**	**-0.01083**	**-0.00038**	**0.00111**	**0.00051**

	Pb	**Se**
	calc	calc
#1	0.00045	0.00277
#2	0.00126	0.00258
Mean	**0.00085**	**0.00268**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:25
SampleId1 : 1705213-3 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 12:08:36
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	-0.00060	-0.01991	-0.00148	0.02164	0.17285	-0.00019	-0.00267	61.90375	-0.00001

#2	-0.00091	-0.02438	-0.00175	0.02073	0.17193	-0.00022	-0.00321	62.26414	0.00025
Mean	**-0.00076**	**-0.02214**	**-0.00162**	**0.02119**	**0.17239**	**-0.00020**	**-0.00294**	**62.08394**	**0.00012**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00076	0.00118	0.00098	0.01809	5.45939	0.01081	14.44034	0.00042	-0.00164
#2	-0.00048	0.00193	0.00027	0.01695	5.43722	0.01080	14.46067	0.00042	-0.00122
Mean	**-0.00062**	**0.00156**	**0.00063**	**0.01752**	**5.44830**	**0.01080**	**14.45050**	**0.00042**	**-0.00143**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.40226	-0.00022	0.05917	-0.00269	-0.00104	2.89750	0.01175	0.00890	0.00378
#2	1.39018	0.00055	0.05917	-0.00186	0.00178	2.89750	0.01380	0.01055	-0.00301
Mean	**1.39622**	**0.00017**	**0.05917**	**-0.00228**	**0.00037**	**2.89750**	**0.01278**	**0.00973**	**0.00039**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.07183	0.00308	0.11827	-0.00052	0.00641	-0.02860	0.00002	0.00956	-0.00062
#2	4.06849	-0.00035	0.11745	-0.00038	0.00376	-0.02615	-0.00004	0.00960	-0.00073
Mean	**4.07016**	**0.00136**	**0.11786**	**-0.00045**	**0.00509**	**-0.02738**	**-0.00001**	**0.00958**	**-0.00068**

	Pb	**Se**
	calc	calc
#1	-0.00159	0.00549
#2	0.00057	0.00151
Mean	**-0.00051**	**0.00350**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:26
SampleId1 : 1705213-3D **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 12:09:38
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	-0.00070	-0.01772	-0.00055	0.02096	0.17180	-0.00021	0.00273	62.08720	0.00009
#2	-0.00051	-0.03114	-0.00282	0.02016	0.17186	-0.00025	-0.00591	61.99077	0.00011
Mean	**-0.00060**	**-0.02443**	**-0.00168**	**0.02056**	**0.17183**	**-0.00023**	**-0.00159**	**62.03898**	**0.00010**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00029	0.00136	0.00009	0.00717	5.40395	0.01076	14.43085	0.00042	-0.00064
#2	-0.00058	0.00153	0.00134	0.00766	5.37774	0.01079	14.34207	0.00042	-0.00247
Mean	**-0.00043**	**0.00145**	**0.00072**	**0.00742**	**5.39085**	**0.01078**	**14.38646**	**0.00042**	**-0.00155**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.37850	0.00128	0.05917	-0.00005	-0.00025	2.83238	0.01258	0.00710	-0.00078
#2	1.36740	0.00019	0.05917	-0.00262	0.00244	2.89249	0.01194	0.00214	0.00325

Mean	**1.37295**	**0.00074**	**0.05917**	**-0.00134**	**0.00109**	**2.86243**	**0.01226**	**0.00462**	**0.00123**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.06310	-0.00036	0.11716	0.00007	0.00335	-0.03104	0.00046	0.00957	-0.00093
#2	4.04620	0.00351	0.11679	0.00020	-0.00116	-0.02492	0.00002	0.00925	-0.00093
Mean	**4.05465**	**0.00158**	**0.11697**	**0.00013**	**0.00110**	**-0.02798**	**0.00024**	**0.00941**	**-0.00093**

	Pb	Se
	calc	calc
#1	-0.00018	0.00184
#2	0.00075	0.00288
Mean	**0.00028**	**0.00236**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:26
SampleId1 : Z **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 12:12:52
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	0.00009	-0.02955	0.00092	0.00236	0.03074	-0.00032	0.00111	10.94204	-0.00028
#2	0.00099	-0.02473	-0.00335	0.00281	0.03081	-0.00033	0.00490	11.02603	0.00003
Mean	**0.00054**	**-0.02714**	**-0.00122**	**0.00259**	**0.03078**	**-0.00032**	**0.00300**	**10.98403**	**-0.00012**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00021	0.00066	0.00009	0.00375	0.99912	0.00437	2.57112	0.00015	-0.00147
#2	0.00064	0.00122	0.00097	0.00473	1.01316	0.00444	2.57720	0.00015	-0.00114
Mean	**0.00021**	**0.00094**	**0.00053**	**0.00424**	**1.00614**	**0.00441**	**2.57416**	**0.00015**	**-0.00131**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.30345	0.00051	0.05917	-0.00358	-0.00003	0.50654	0.00043	0.01116	0.00113
#2	0.30354	-0.00040	-0.04313	-0.00291	-0.00154	0.51657	0.00125	0.00336	0.00081
Mean	**0.30350**	**0.00005**	**0.00802**	**-0.00325**	**-0.00078**	**0.51155**	**0.00084**	**0.00726**	**0.00097**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.72422	-0.00293	0.02056	-0.00041	-0.00036	-0.02124	0.00033	0.00096	-0.00002
#2	0.72626	0.00394	0.02060	-0.00004	-0.00766	-0.00898	0.00052	0.00065	0.00009
Mean	**0.72524**	**0.00050**	**0.02058**	**-0.00023**	**-0.00401**	**-0.01511**	**0.00042**	**0.00080**	**0.00003**

	Pb	Se
	calc	calc
#1	-0.00121	0.00447
#2	-0.00200	0.00166
Mean	**-0.00160**	**0.00306**

ted: 5/26/2017 12:48:50 User: STEVE WORKMAN
Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:26
SampleId1 : 1705213-3MS SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 12:13:55
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	0.10419	2.06336	1.02924	1.08156	1.20567	0.05221	0.00619	102.01120	0.04877
#2	0.10441	2.07037	1.01577	1.07747	1.21142	0.05231	-0.00137	101.98232	0.05062
Mean	**0.10430**	**2.06686**	**1.02250**	**1.07952**	**1.20854**	**0.05226**	**0.00241**	**101.99676**	**0.04970**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49887	0.20948	0.26236	1.02262	46.79189	0.52394	55.40292	0.52769	1.00050
#2	0.50139	0.20858	0.26485	1.02607	47.20115	0.52934	55.60582	0.52796	0.99918
Mean	**0.50013**	**0.20903**	**0.26360**	**1.02434**	**46.99652**	**0.52664**	**55.50437**	**0.52782**	**0.99984**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	41.59121	0.51218	0.05917	0.50845	0.51625	2.90752	0.52952	2.10368	2.09523
#2	41.91896	0.51327	-0.04313	0.50817	0.52776	2.93757	0.53153	2.10592	2.15527
Mean	**41.75508**	**0.51273**	**0.00802**	**0.50831**	**0.52200**	**2.92254**	**0.53053**	**2.10480**	**2.12525**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.04931	0.51381	0.63094	0.50382	2.03481	-0.01371	0.53575	0.52580	-0.00020
#2	5.08567	0.51123	0.63456	0.50664	2.03273	-0.03700	0.53513	0.52675	-0.00105
Mean	**5.06749**	**0.51252**	**0.63275**	**0.50523**	**2.03377**	**-0.02536**	**0.53544**	**0.52628**	**-0.00062**

	Pb	Se
	calc	calc
#1	0.51365	2.09804
#2	0.52124	2.13884
Mean	**0.51745**	**2.11844**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:26
SampleId1 : 1705213-3MSD SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 12:14:58
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	0.10631	2.07649	1.03297	1.08599	1.21129	0.05237	-0.00001	102.53411	0.05052
#2	0.10530	2.04224	1.01351	1.06872	1.19768	0.05219	-0.00434	102.22781	0.05033
Mean	**0.10581**	**2.05937**	**1.02324**	**1.07736**	**1.20448**	**0.05228**	**-0.00218**	**102.38096**	**0.05042**

ted: 5/26/2017 12:48:50 User: STEVE WORKMAN

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.50261	0.21067	0.26556	1.02197	47.16845	0.52879	55.76486	0.52957	1.00507
#2	0.49914	0.20930	0.26111	1.01606	46.39123	0.51984	55.29051	0.52728	1.00216
Mean	**0.50087**	**0.20998**	**0.26334**	**1.01902**	**46.77984**	**0.52431**	**55.52769**	**0.52843**	**1.00362**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	41.91490	0.51860	0.05917	0.51230	0.52028	2.94759	0.52775	2.13831	2.08817
#2	41.20728	0.51055	-0.04313	0.50816	0.53401	2.87245	0.52934	2.09944	2.18434
Mean	**41.56109**	**0.51457**	**0.00802**	**0.51023**	**0.52715**	**2.91002**	**0.52854**	**2.11888**	**2.13625**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.09647	0.51552	0.63381	0.50646	2.05328	-0.02964	0.53809	0.52321	-0.00065
#2	5.03947	0.51466	0.62574	0.50477	2.01620	-0.01248	0.53501	0.52942	-0.00062
Mean	**5.06797**	**0.51509**	**0.62978**	**0.50561**	**2.03474**	**-0.02106**	**0.53655**	**0.52632**	**-0.00063**

	Pb	Se
	calc	calc
#1	0.51762	2.10487
#2	0.52540	2.15607
Mean	**0.52151**	**2.13047**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:26
SampleId1 : 1705213-5 SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 12:16:01
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	-0.00160	-0.02541	-0.00375	0.02198	0.17542	-0.00025	-0.00159	63.45042	0.00001
#2	0.00018	-0.02396	0.00358	0.02290	0.17516	-0.00025	0.00193	63.32481	0.00011
Mean	**-0.00071**	**-0.02468**	**-0.00008**	**0.02244**	**0.17529**	**-0.00025**	**0.00017**	**63.38761**	**0.00006**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00057	0.00088	0.00081	0.02592	5.53550	0.01105	14.68229	0.00042	-0.00006
#2	0.00046	0.00340	0.00079	0.02640	5.49619	0.01100	14.63552	0.00055	-0.00064
Mean	**-0.00005**	**0.00214**	**0.00080**	**0.02616**	**5.51584**	**0.01103**	**14.65891**	**0.00049**	**-0.00035**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.40752	-0.00077	0.05917	-0.00154	0.00354	2.94258	0.01752	0.00604	0.00803
#2	1.39505	0.00124	0.05917	-0.00179	-0.00226	2.90251	0.01648	-0.00790	0.00198
Mean	**1.40128**	**0.00024**	**0.05917**	**-0.00166**	**0.00064**	**2.92254**	**0.01700**	**-0.00093**	**0.00501**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.14477	-0.00121	0.11947	0.00009	0.00336	-0.03719	-0.00004	0.00823	-0.00086
#2	4.12732	0.00437	0.11888	-0.00018	0.00377	-0.00778	0.00108	0.00834	-0.00015
Mean	**4.13604**	**0.00158**	**0.11917**	**-0.00005**	**0.00356**	**-0.02248**	**0.00052**	**0.00829**	**-0.00050**

	Pb	Se
	calc	calc
#1	0.00185	0.00737
#2	-0.00210	-0.00131
Mean	**-0.00013**	**0.00303**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:27
SampleId1 : 1705213-3L 5X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 12:27:06
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	0.00029	-0.01566	0.00238	0.00099	0.03377	-0.00024	-0.00564	12.09731	-0.00014
#2	-0.00062	-0.01952	-0.00042	0.00087	0.03391	-0.00025	0.00003	12.11164	-0.00019
Mean	**-0.00017**	**-0.01759**	**0.00098**	**0.00093**	**0.03384**	**-0.00024**	**-0.00280**	**12.10447**	**-0.00017**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00026	0.00047	-0.00010	0.00473	1.07634	0.00449	2.84536	0.00015	-0.00089
#2	-0.00020	0.00026	0.00097	0.00456	1.07835	0.00449	2.83456	0.00028	-0.00147
Mean	**0.00003**	**0.00036**	**0.00044**	**0.00464**	**1.07734**	**0.00449**	**2.83996**	**0.00022**	**-0.00118**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.33282	0.00160	0.05917	-0.00417	0.00068	0.56171	0.00414	0.00471	0.00495
#2	0.33359	0.00060	0.05917	-0.00450	-0.00040	0.55168	-0.00143	-0.00505	0.00240
Mean	**0.33321**	**0.00110**	**0.05917**	**-0.00434**	**0.00014**	**0.55669**	**0.00136**	**-0.00017**	**0.00368**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.79436	0.00222	0.02302	-0.00005	-0.00155	-0.00898	0.00021	0.00227	-0.00015
#2	0.80327	0.00995	0.02299	-0.00027	-0.00195	-0.01266	0.00008	0.00193	0.00007
Mean	**0.79881**	**0.00608**	**0.02300**	**-0.00016**	**-0.00175**	**-0.01082**	**0.00014**	**0.00210**	**-0.00004**

	Pb	Se
	calc	calc
#1	-0.00093	0.00487
#2	-0.00176	-0.00008
Mean	**-0.00135**	**0.00240**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:27

SampleId1 : 1705095-2 1000X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 12:28:08
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	-0.00033	-0.01387	0.00265	0.02746	0.00868	-0.00020	0.00112	17.64722	0.00027
#2	-0.00060	-0.01707	0.00185	0.02701	0.00868	-0.00019	-0.00672	17.65775	0.00010
Mean	**-0.00046**	**-0.01547**	**0.00225**	**0.02723**	**0.00868**	**-0.00019**	**-0.00280**	**17.65249**	**0.00018**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00051	0.00046	0.00079	0.05607	1.37328	0.03578	2.27596	0.00928	-0.00255
#2	-0.00099	-0.00078	0.00063	0.05493	1.37528	0.03604	2.27867	0.00888	-0.00064
Mean	**-0.00024**	**-0.00016**	**0.00071**	**0.05550**	**1.37428**	**0.03591**	**2.27732**	**0.00908**	**-0.00160**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	34.10677	0.00142	0.05917	0.00147	0.00156	0.13032	0.00042	0.00127	-0.00396
#2	34.35904	0.00037	0.05917	-0.00474	0.00438	0.11025	-0.00368	-0.00282	-0.00301
Mean	**34.23291**	**0.00090**	**0.05917**	**-0.00163**	**0.00297**	**0.12029**	**-0.00163**	**-0.00078**	**-0.00348**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.02135	0.00007	0.65213	0.00011	0.00790	0.00199	0.00003	0.00326	0.00028
#2	0.01747	0.00222	0.65413	0.00020	0.00071	-0.03599	-0.00022	0.00188	0.00006
Mean	**0.01941**	**0.00115**	**0.65313**	**0.00015**	**0.00431**	**-0.01700**	**-0.00009**	**0.00257**	**0.00017**

	Pb	Se
	calc	calc
#1	0.00153	-0.00222
#2	0.00134	-0.00294
Mean	**0.00144**	**-0.00258**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:27
SampleId1 : 1705158-2 10X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 12:29:10
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	-0.00080	-0.01698	0.00198	0.24302	0.92678	-0.00018	-0.00321	0.64817	-0.00013
#2	-0.00002	-0.01552	-0.00148	0.24131	0.92480	-0.00020	0.00031	0.64817	-0.00024
Mean	**-0.00041**	**-0.01625**	**0.00025**	**0.24217**	**0.92579**	**-0.00019**	**-0.00145**	**0.64817**	**-0.00019**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00017	-0.00021	-0.00026	0.01336	0.85270	0.03408	0.15925	0.00928	-0.00264
#2	0.00010	-0.00006	0.00097	0.01451	0.85321	0.03395	0.16735	0.00955	-0.00064
Mean	**-0.00004**	**-0.00013**	**0.00035**	**0.01394**	**0.85296**	**0.03401**	**0.16330**	**0.00942**	**-0.00164**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	82.76345	-0.00090	0.05917	-0.00520	0.00371	0.49651	-0.00288	-0.01183	0.00081
#2	82.36116	0.00033	0.05917	0.00405	-0.00004	0.47644	-0.00018	0.01193	-0.00513
Mean	**82.56230**	**-0.00029**	**0.05917**	**-0.00058**	**0.00183**	**0.48647**	**-0.00153**	**0.00005**	**-0.00216**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.46849	0.00480	0.09855	-0.00007	-0.00701	-0.03350	-0.00078	0.00125	-0.00074
#2	1.46292	0.00523	0.09813	0.00032	0.00417	-0.00409	-0.00054	0.00158	0.00017
Mean	**1.46571**	**0.00501**	**0.09834**	**0.00013**	**-0.00142**	**-0.01880**	**-0.00066**	**0.00142**	**-0.00028**

	Pb	**Se**
	calc	calc
#1	0.00074	-0.00340
#2	0.00132	0.00055
Mean	**0.00103**	**-0.00143**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:27
SampleId1 : IP170522-11MB SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 12:30:12
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	-0.00121	-0.01761	0.00065	-0.00255	0.00038	-0.00024	0.00462	0.01185	-0.00025
#2	-0.00051	-0.02713	-0.00162	-0.00403	0.00031	-0.00024	-0.00186	0.01338	0.00005
Mean	**-0.00086**	**-0.02237**	**-0.00048**	**-0.00329**	**0.00035**	**-0.00024**	**0.00138**	**0.01261**	**-0.00010**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00053	-0.00048	0.00045	0.02412	0.18314	0.00325	-0.00207	-0.00012	-0.00180
#2	-0.00110	-0.00009	-0.00009	0.02477	0.19266	0.00328	0.00468	0.00002	-0.00363
Mean	**-0.00081**	**-0.00028**	**0.00018**	**0.02445**	**0.18790**	**0.00326**	**0.00130**	**-0.00005**	**-0.00272**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.08557	-0.00068	0.05917	-0.00692	0.00353	-0.00514	-0.00163	0.00004	0.00463
#2	0.08135	0.00033	0.05917	-0.00619	0.00194	-0.00514	0.00020	-0.00475	0.00028
Mean	**0.08346**	**-0.00017**	**0.05917**	**-0.00655**	**0.00273**	**-0.00514**	**-0.00071**	**-0.00236**	**0.00246**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	0.01598	0.00050	-0.00101	0.00002	-0.00461	-0.02861	-0.00103	0.00058	-0.00069
#2	0.01857	0.00093	-0.00097	-0.00014	0.00071	-0.01513	0.00033	0.00059	-0.00036
Mean	**0.01727**	**0.00072**	**-0.00099**	**-0.00006**	**-0.00195**	**-0.02187**	**-0.00035**	**0.00058**	**-0.00053**

	Pb	**Se**
	calc	calc
#1	0.00005	0.00310
#2	-0.00076	-0.00140
Mean	**-0.00036**	**0.00085**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:27
SampleId1 : CCV **SampleId2 :** **[CV]**
Analysis commenced : 5/25/2017 12:31:50
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	0.19768	51.13549	0.48921	1.01520	1.01110	0.49897	0.51257	49.58217	0.49206
#2	0.19938	51.02796	0.49601	1.01679	1.01077	0.49921	0.49942	49.59670	0.48942
Mean	**0.19853**	**51.08173**	**0.49261**	**1.01600**	**1.01093**	**0.49909**	**0.50599**	**49.58943**	**0.49074**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48349	0.99837	0.99631	20.28604	51.48037	0.50674	51.46708	1.00749	1.00399
#2	0.48292	0.99884	0.99490	20.28658	51.44805	0.50633	51.45818	1.00803	1.00623
Mean	**0.48321**	**0.99861**	**0.99561**	**20.28631**	**51.46421**	**0.50653**	**51.46263**	**1.00776**	**1.00511**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.09715	1.00603	5.31386	0.99075	0.99835	4.90513	0.49175	0.99164	0.99513
#2	49.97762	0.99581	5.10640	0.98446	1.01302	4.95517	0.48955	0.99661	1.02242
Mean	**50.03739**	**1.00092**	**5.21013**	**0.98760**	**1.00568**	**4.93015**	**0.49065**	**0.99412**	**1.00878**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.90975	1.00034	0.50311	0.48986	0.50233	4.97288	0.50123	0.99336	1.00688
#2	4.90901	0.99820	0.50209	0.49006	0.49877	4.97532	0.50191	0.99800	1.00548
Mean	**4.90938**	**0.99927**	**0.50260**	**0.48996**	**0.50055**	**4.97410**	**0.50157**	**0.99568**	**1.00618**

	Pb	**Se**
	calc	calc
#1	0.99582	0.99397
#2	1.00351	1.01383
Mean	**0.99966**	**1.00390**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:28
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 5/25/2017 12:32:58

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	0.00008	0.00261	0.00185	-0.00027	0.00064	-0.00001	0.00463	0.04129	0.00002
#2	-0.00002	-0.00430	-0.00588	-0.00152	0.00077	-0.00004	0.00246	0.03823	0.00018
Mean	**0.00003**	**-0.00085**	**-0.00202**	**-0.00089**	**0.00071**	**-0.00003**	**0.00355**	**0.03976**	**0.00010**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00006	0.00091	0.00044	0.01141	0.22322	0.00342	0.03235	0.00069	-0.00031
#2	-0.00063	0.00043	-0.00027	0.01059	0.20769	0.00339	0.03100	0.00055	0.00086
Mean	**-0.00035**	**0.00067**	**0.00008**	**0.01100**	**0.21546**	**0.00341**	**0.03168**	**0.00062**	**0.00028**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.08903	0.00228	0.05917	0.00065	-0.00034	-0.00514	0.00043	-0.00429	0.00198
#2	0.08615	0.00051	0.05917	-0.00219	0.00104	-0.01015	-0.00285	0.00021	-0.00184
Mean	**0.08759**	**0.00140**	**0.05917**	**-0.00077**	**0.00035**	**-0.00765**	**-0.00121**	**-0.00204**	**0.00007**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00035	0.00523	-0.00062	0.00031	0.00443	-0.00286	0.00015	-0.00035	0.00060
#2	0.00189	0.00308	-0.00066	0.00004	-0.00859	-0.00776	-0.00010	-0.00071	0.00031
Mean	**0.00077**	**0.00415**	**-0.00064**	**0.00017**	**-0.00208**	**-0.00531**	**0.00002**	**-0.00053**	**0.00045**

	Pb	Se
	calc	calc
#1	-0.00001	-0.00011
#2	-0.00003	-0.00116
Mean	**-0.00002**	**-0.00064**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:28
SampleId1 : IP170522-11LCS SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 12:35:15
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	-0.00171	2.15106	1.05256	1.07520	1.05210	0.05298	0.00216	40.24482	0.05104
#2	0.00000	2.13219	1.03270	1.07452	1.04438	0.05290	-0.00406	40.21286	0.05070
Mean	**-0.00085**	**2.14163**	**1.04263**	**1.07486**	**1.04824**	**0.05294**	**-0.00095**	**40.22884**	**0.05087**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.51079	0.21167	0.26716	1.17942	40.51569	0.50666	41.57405	0.53603	1.01993

#2	0.50938	0.21119	0.26432	1.17467	40.14856	0.50183	41.45456	0.53455	1.02134
Mean	**0.51009**	**0.21143**	**0.26574**	**1.17705**	**40.33212**	**0.50425**	**41.51430**	**0.53529**	**1.02064**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	39.65504	0.53470	-0.04313	0.51734	0.52564	-0.01015	0.52325	2.17599	2.14476
#2	39.22815	0.53229	0.05917	0.51429	0.52994	0.01493	0.52025	2.17009	2.22080
Mean	**39.44160**	**0.53349**	**0.00802**	**0.51581**	**0.52779**	**0.00239**	**0.52175**	**2.17304**	**2.18278**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.10254	0.52751	0.52319	0.50945	2.07567	-0.03103	0.54447	0.52755	-0.00104
#2	1.09607	0.52966	0.51908	0.50732	2.06494	-0.03225	0.54256	0.52621	-0.00093
Mean	**1.09931**	**0.52859**	**0.52113**	**0.50839**	**2.07031**	**-0.03164**	**0.54351**	**0.52688**	**-0.00098**

	Pb	**Se**
	calc	calc
#1	0.52287	2.15516
#2	0.52473	2.20391
Mean	**0.52380**	**2.17953**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:28
SampleId1 : 1704608-8 SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 12:36:17
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	-0.00011	-0.00728	0.00412	0.02176	0.06954	0.00059	-0.00483	310.34159	0.00041
#2	0.00031	-0.00633	0.00705	0.02039	0.06954	0.00058	-0.00105	309.93743	0.00016
Mean	**0.00010**	**-0.00681**	**0.00558**	**0.02107**	**0.06954**	**0.00059**	**-0.00294**	**310.13951**	**0.00029**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.02341	0.00038	0.00168	0.03521	372.41913	0.06802	63.03528	1.49360	0.00069
#2	0.02360	0.00005	0.00134	0.03521	372.73354	0.06811	63.05657	1.49144	0.00111
Mean	**0.02350**	**0.00022**	**0.00151**	**0.03521**	**372.57633**	**0.06806**	**63.04593**	**1.49252**	**0.00090**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	354.27885	0.12340	0.16149	-0.00057	-0.00082	198.58605	-0.00120	0.01523	0.00591
#2	353.73347	0.12572	-0.04313	0.00210	0.00371	198.59050	-0.00470	0.00364	0.00623
Mean	**354.00616**	**0.12456**	**0.05918**	**0.00076**	**0.00144**	**198.58827**	**-0.00295**	**0.00944**	**0.00607**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.89247	0.00523	1.02981	-0.00124	0.00233	-0.00534	0.00058	0.02373	-0.00156
#2	8.90232	0.00222	1.01854	-0.00113	0.00245	-0.02862	-0.00003	0.02173	-0.00172

Mean	**8.89739**	**0.00372**	**1.02418**	**-0.00119**	**0.00239**	**-0.01698**	**0.00027**	**0.02273**	**-0.00164**

	Pb	Se
	calc	calc
#1	-0.00074	0.00901
#2	0.00317	0.00537
Mean	**0.00122**	**0.00719**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:28
SampleId1 : 1704608-8D SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 12:37:19
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	-0.00060	-0.01167	0.01251	0.02039	0.07007	0.00055	-0.00024	314.69523	0.00038
#2	-0.00070	-0.01247	-0.00095	0.01913	0.07014	0.00058	0.00299	314.36914	0.00043
Mean	**-0.00065**	**-0.01207**	**0.00578**	**0.01976**	**0.07010**	**0.00056**	**0.00138**	**314.53218**	**0.00040**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.02350	0.00001	0.00205	0.01630	375.96797	0.06878	63.83835	1.51223	-0.00155
#2	0.02350	0.00027	0.00027	0.01532	377.93081	0.06895	63.86583	1.51398	-0.00147
Mean	**0.02350**	**0.00014**	**0.00116**	**0.01581**	**376.94939**	**0.06887**	**63.85209**	**1.51311**	**-0.00151**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	349.60570	0.12495	0.05917	-0.00289	0.00011	200.77347	0.00105	0.00694	0.00347
#2	347.35468	0.12395	0.05917	-0.00804	0.00053	201.49300	0.00002	0.01235	0.00081
Mean	**348.48019**	**0.12445**	**0.05917**	**-0.00547**	**0.00032**	**201.13323**	**0.00053**	**0.00965**	**0.00214**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.03450	0.00394	1.03824	-0.00126	0.00099	-0.03228	-0.00072	0.02371	-0.00203
#2	9.03877	0.00437	1.04088	-0.00137	-0.00260	-0.03350	-0.00053	0.02339	-0.00188
Mean	**9.03663**	**0.00415**	**1.03956**	**-0.00131**	**-0.00081**	**-0.03289**	**-0.00063**	**0.02355**	**-0.00196**

	Pb	Se
	calc	calc
#1	-0.00089	0.00462
#2	-0.00232	0.00465
Mean	**-0.00161**	**0.00464**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:28
SampleId1 : 1704608-8L 5X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 12:38:21
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE44

Final concentrations **8:51 User: STEVE WORKMAN**

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00051	-0.01356	0.00332	0.00156	0.01461	0.00003	0.00381	62.08883	-0.00012
#2	-0.00141	-0.01602	-0.00202	0.00339	0.01461	-0.00001	-0.00132	62.09373	0.00008
Mean	**-0.00096**	**-0.01479**	**0.00065**	**0.00247**	**0.01461**	**0.00001**	**0.00125**	**62.09128**	**-0.00002**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00456	-0.00048	0.00115	0.00799	76.34652	0.01433	13.34262	0.31852	-0.00197
#2	0.00456	-0.00026	0.00009	0.00831	76.60734	0.01435	13.35888	0.31879	-0.00122
Mean	**0.00456**	**-0.00037**	**0.00062**	**0.00815**	**76.47693**	**0.01434**	**13.35075**	**0.31866**	**-0.00160**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	89.17034	0.02678	-0.04313	-0.00639	0.00165	43.60182	-0.00060	0.00260	-0.00121
#2	89.84837	0.02647	-0.04313	-0.00771	0.00232	43.77814	-0.00410	-0.00552	0.00580
Mean	**89.50936**	**0.02663**	**-0.04313**	**-0.00705**	**0.00198**	**43.68998**	**-0.00235**	**-0.00146**	**0.00230**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.86319	0.00523	0.21570	-0.00038	0.00263	-0.01634	-0.00035	0.00586	-0.00070
#2	1.86691	0.00007	0.21633	-0.00061	0.00647	-0.02492	-0.00091	0.00620	-0.00066
Mean	**1.86505**	**0.00265**	**0.21602**	**-0.00050**	**0.00455**	**-0.02063**	**-0.00063**	**0.00603**	**-0.00068**

	Pb	Se
	calc	calc
#1	-0.00103	0.00006
#2	-0.00102	0.00203
Mean	**-0.00102**	**0.00105**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:29
SampleId1 : 1704608-8MS SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 12:39:23
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	0.00088	2.04309	1.01244	1.05827	1.03348	0.04898	0.00743	353.50933	0.04923
#2	0.00049	2.03517	1.01284	1.06350	1.03777	0.04892	0.00176	352.01427	0.04957
Mean	**0.00069**	**2.03913**	**1.01264**	**1.06088**	**1.03563**	**0.04895**	**0.00459**	**352.76180**	**0.04940**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49993	0.19444	0.25648	0.95050	407.24857	0.69673	101.57869	1.97562	0.96937
#2	0.50030	0.19249	0.25809	0.94608	408.47272	0.70079	101.58217	1.97535	0.97045
Mean	**0.50011**	**0.19346**	**0.25728**	**0.94829**	**407.86064**	**0.69876**	**101.58043**	**1.97548**	**0.96991**

ted: 5/26/2017 12:48:51 User: STEVE WORKMAN

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	368.41943	0.61014	0.05917	0.49573	0.49137	198.09654	0.50798	2.11202	2.11176
#2	366.04540	0.60409	-0.04313	0.48804	0.50713	199.05315	0.50841	2.12926	2.19297
Mean	**367.23241**	**0.60711**	**0.00802**	**0.49189**	**0.49925**	**198.57485**	**0.50820**	**2.12064**	**2.15236**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	9.88784	0.52242	1.49300	0.46473	1.97523	0.00964	0.50173	0.51062	-0.00196
#2	9.92145	0.51685	1.49535	0.46579	1.98311	-0.00383	0.50253	0.51020	-0.00197
Mean	**9.90465**	**0.51964**	**1.49417**	**0.46526**	**1.97917**	**0.00291**	**0.50213**	**0.51041**	**-0.00196**

	Pb	Se
	calc	calc
#1	0.49282	2.11185
#2	0.50077	2.17175
Mean	**0.49680**	**2.14180**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:29
SampleId1 : 1704608-8MSD SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 12:40:26
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	0.00050	2.04150	1.03030	1.07452	1.04768	0.04943	0.00123	356.68104	0.05095
#2	0.00090	2.03471	1.02684	1.06952	1.04451	0.04948	0.00366	356.53514	0.04990
Mean	**0.00070**	**2.03810**	**1.02857**	**1.07202**	**1.04609**	**0.04946**	**0.00245**	**356.60809**	**0.05042**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.50517	0.19573	0.25987	0.96410	410.47182	0.70623	102.65817	1.99847	0.97352
#2	0.50507	0.19433	0.25969	0.96607	408.93454	0.70088	102.48113	1.99644	0.98008
Mean	**0.50512**	**0.19503**	**0.25978**	**0.96509**	**409.70318**	**0.70356**	**102.56965**	**1.99746**	**0.97680**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	361.19614	0.61255	0.05917	0.49386	0.49501	200.59131	0.51466	2.12667	2.11418
#2	362.20077	0.61023	0.05917	0.49651	0.50477	200.34247	0.51110	2.12864	2.19760
Mean	**361.69845**	**0.61139**	**0.05917**	**0.49518**	**0.49989**	**200.46689**	**0.51288**	**2.12766**	**2.15589**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	10.01390	0.52456	1.49752	0.47064	2.00328	-0.01733	0.50728	0.51629	-0.00196
#2	9.97754	0.52456	1.49196	0.47164	1.99824	-0.01610	0.50709	0.51754	-0.00226
Mean	**9.99572**	**0.52456**	**1.49474**	**0.47114**	**2.00076**	**-0.01672**	**0.50718**	**0.51691**	**-0.00211**

	Pb	Seser: STEVE WORKMAN
	calc	calc
#1	0.49463	2.11834
#2	0.50202	2.17464
Mean	**0.49832**	**2.14649**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:29
SampleId1 : 1705177-4 10X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 12:41:28
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	-0.00022	-0.01023	0.00038	1.41162	0.00189	-0.00011	-0.00319	74.02133	0.00001
#2	0.00040	-0.00994	0.00065	1.41593	0.00183	-0.00014	0.00275	73.97875	-0.00025
Mean	**0.00009**	**-0.01008**	**0.00052**	**1.41377**	**0.00186**	**-0.00013**	**-0.00022**	**74.00004**	**-0.00012**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00031	0.00021	0.00933	0.00293	25.28966	0.46873	24.92227	0.00176	-0.00072
#2	0.00022	0.00044	0.00899	0.00277	25.42572	0.47210	24.93042	0.00149	0.00169
Mean	**0.00027**	**0.00032**	**0.00916**	**0.00285**	**25.35769**	**0.47042**	**24.92634**	**0.00163**	**0.00048**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	490.44460	0.00292	-0.34986	0.00227	0.00007	125.77688	-0.00224	0.12114	0.09336
#2	488.89236	0.00269	-0.14540	0.00065	0.00388	126.11743	-0.00119	0.10400	0.12011
Mean	**489.66848**	**0.00281**	**-0.24763**	**0.00146**	**0.00198**	**125.94716**	**-0.00172**	**0.11257**	**0.10674**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.36532	-0.00207	2.07011	0.00027	0.00908	-0.00285	0.00027	0.05972	-0.00010
#2	1.36942	-0.00250	2.07774	0.00023	-0.00049	-0.02246	-0.00048	0.06006	-0.00050
Mean	**1.36737**	**-0.00229**	**2.07392**	**0.00025**	**0.00429**	**-0.01266**	**-0.00010**	**0.05989**	**-0.00030**

	Pb	Se
	calc	calc
#1	0.00080	0.10262
#2	0.00281	0.11474
Mean	**0.00180**	**0.10868**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:29
SampleId1 : 1705177-5 10X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 12:42:30
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	-0.00131	-0.01835	0.00105	1.43056	0.00163	-0.00014	-0.00536	74.16192	-0.00041
#2	0.00030	-0.01299	-0.00721	1.42648	0.00156	-0.00014	-0.00428	74.45888	-0.00035
Mean	**-0.00051**	**-0.01567**	**-0.00308**	**1.42852**	**0.00160**	**-0.00014**	**-0.00482**	**74.31040**	**-0.00038**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00044	-0.00017	0.00561	0.00359	25.52056	0.47539	25.00111	0.00109	-0.00155
#2	-0.00016	0.00026	0.00507	0.00391	25.47674	0.47474	25.05277	0.00123	-0.00031
Mean	**-0.00030**	**0.00005**	**0.00534**	**0.00375**	**25.49865**	**0.47506**	**25.02694**	**0.00116**	**-0.00093**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	473.41191	0.00083	-0.04313	-0.00401	0.00136	126.05212	0.00249	0.04225	0.04539
#2	475.58613	0.00083	0.05917	-0.00464	0.00190	126.33665	-0.00451	0.03008	0.04497
Mean	**474.49902**	**0.00083**	**0.00802**	**-0.00432**	**0.00163**	**126.19439**	**-0.00101**	**0.03616**	**0.04518**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.36328	-0.00121	2.09515	-0.00031	0.00269	-0.02736	-0.00079	0.03130	-0.00081
#2	1.36886	-0.00121	2.10369	-0.00013	0.00761	-0.02369	-0.00041	0.03132	-0.00028
Mean	**1.36607**	**-0.00121**	**2.09942**	**-0.00022**	**0.00515**	**-0.02552**	**-0.00060**	**0.03131**	**-0.00054**

	Pb	Se
	calc	calc
#1	-0.00043	0.04435
#2	-0.00028	0.04001
Mean	**-0.00035**	**0.04218**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:29
SampleId1 : 1705177-6 10X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 12:43:33
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	-0.00001	-0.01211	0.00212	0.49324	0.01039	-0.00014	0.00057	82.55244	-0.00024
#2	-0.00080	-0.01865	0.00212	0.48983	0.01026	-0.00017	-0.00079	82.71380	-0.00060
Mean	**-0.00040**	**-0.01538**	**0.00212**	**0.49153**	**0.01032**	**-0.00016**	**-0.00011**	**82.63312**	**-0.00042**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00043	0.00035	0.00098	0.10499	16.57172	1.03101	13.65022	0.00848	-0.00330
#2	-0.00042	-0.00034	0.00081	0.10466	16.60949	1.03392	13.65902	0.00875	-0.00164
Mean	**-0.00042**	**0.00001**	**0.00089**	**0.10483**	**16.59060**	**1.03247**	**13.65462**	**0.00861**	**-0.00247**

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

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	355.50164	-0.00004	0.16149	0.00004	0.00039	53.82384	0.00000	0.00260	0.00825
#2	360.16128	-0.00072	0.05917	-0.00616	0.00414	53.88714	-0.00328	-0.00238	0.00719
Mean	**357.83146**	**-0.00038**	**0.11033**	**-0.00306**	**0.00226**	**53.85549**	**-0.00164**	**0.00011**	**0.00772**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.69116	-0.00207	2.42764	-0.00007	0.00485	-0.01889	-0.00020	0.00590	-0.00049
#2	1.69285	-0.00250	2.42830	-0.00079	0.00125	-0.03972	-0.00082	0.00520	-0.00045
Mean	**1.69201**	**-0.00229**	**2.42797**	**-0.00043**	**0.00305**	**-0.02930**	**-0.00051**	**0.00555**	**-0.00047**

	Pb	**Se**
	calc	calc
#1	0.00027	0.00637
#2	0.00071	0.00401
Mean	**0.00049**	**0.00519**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:30
SampleId1 : 1705177-4 100X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 12:57:16
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	-0.00060	-0.01711	-0.00095	0.13515	0.00110	-0.00016	-0.00294	7.48327	-0.00019
#2	0.00040	-0.01001	0.00092	0.13526	0.00104	-0.00016	-0.00105	7.48173	0.00010
Mean	**-0.00010**	**-0.01356**	**-0.00002**	**0.13521**	**0.00107**	**-0.00016**	**-0.00200**	**7.48250**	**-0.00004**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00072	-0.00073	0.00099	0.00277	1.85451	0.04036	2.60962	0.00633	-0.00272
#2	-0.00034	-0.00013	0.00134	0.00359	1.85953	0.04039	2.60895	0.00646	-0.00089
Mean	**-0.00053**	**-0.00043**	**0.00116**	**0.00318**	**1.85702**	**0.04037**	**2.60929**	**0.00640**	**-0.00180**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	98.95200	0.00119	-0.04313	-0.00471	0.00282	12.55514	-0.00596	-0.00583	0.00612
#2	98.76540	0.00251	0.05917	-0.00117	0.00328	12.45049	0.00373	0.00770	0.01259
Mean	**98.85870**	**0.00185**	**0.00802**	**-0.00294**	**0.00305**	**12.50281**	**-0.00112**	**0.00094**	**0.00936**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.13658	0.00308	0.21882	0.00018	0.00096	-0.03839	-0.00054	0.00750	-0.00047
#2	0.13882	0.00351	0.21843	-0.00020	-0.00275	-0.02491	0.00002	0.00720	-0.00012
Mean	**0.13770**	**0.00329**	**0.21862**	**-0.00001**	**-0.00090**	**-0.03165**	**-0.00026**	**0.00735**	**-0.00029**

	Pb	**Se**
	calc	calc

#1	0.00031	0.00214	**ser: STEVE WORKMAN**
#2	0.00180	0.01096	
Mean	**0.00105**	**0.00655**	

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:30
SampleId1 : CCV **SampleId2 :** **[CV]**
Analysis commenced : 5/25/2017 12:59:47
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	0.19992	50.92282	0.49148	1.01088	1.00469	0.49752	0.49672	49.32965	0.48912
#2	0.19532	50.64006	0.48828	1.01054	1.00185	0.49839	0.50047	49.39298	0.48729
Mean	**0.19762**	**50.78144**	**0.48988**	**1.01071**	**1.00327**	**0.49796**	**0.49859**	**49.36132**	**0.48820**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48152	0.99878	0.99156	20.15672	51.16251	0.50312	51.24592	1.00143	0.99552
#2	0.47918	0.99573	0.98766	20.16758	50.90564	0.50018	51.14938	1.00183	1.00059
Mean	**0.48035**	**0.99726**	**0.98961**	**20.16215**	**51.03407**	**0.50165**	**51.19765**	**1.00163**	**0.99806**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.55644	0.99749	5.31386	0.98845	0.99651	4.98018	0.49006	0.98573	0.97893
#2	49.30068	0.99563	5.21012	0.99062	1.01361	4.97018	0.48730	0.97217	1.00538
Mean	**49.42856**	**0.99656**	**5.26199**	**0.98953**	**1.00506**	**4.97518**	**0.48868**	**0.97895**	**0.99216**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.89172	0.99307	0.49826	0.48866	0.50651	4.94256	0.49972	0.99338	1.00164
#2	4.87430	1.00420	0.49569	0.48824	0.50493	4.94743	0.49929	0.99522	0.99992
Mean	**4.88301**	**0.99863**	**0.49698**	**0.48845**	**0.50572**	**4.94500**	**0.49951**	**0.99430**	**1.00078**

	Pb	**Se**
	calc	calc
#1	0.99382	0.98120
#2	1.00595	0.99432
Mean	**0.99989**	**0.98776**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:30
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 5/25/2017 13:00:55
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	-0.00152	-0.00544	0.00198	-0.00027	0.00064	-0.00012	-0.00510	0.03364	0.00020
#2	-0.00132	-0.01138	0.00038	-0.00186	0.00051	-0.00009	-0.00429	0.03326	0.00024
Mean	**-0.00142**	**-0.00841**	**0.00118**	**-0.00107**	**0.00058**	**-0.00010**	**-0.00469**	**0.03345**	**0.00022**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00025	0.00048	0.00027	0.00962	0.21019	0.00337	0.02020	0.00042	0.00019
#2	-0.00072	-0.00092	0.00009	0.00880	0.18565	0.00333	0.01413	0.00055	-0.00122
Mean	**-0.00049**	**-0.00022**	**0.00018**	**0.00921**	**0.19792**	**0.00335**	**0.01717**	**0.00049**	**-0.00051**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.08596	-0.00017	0.05917	-0.00091	0.00220	-0.01015	0.00003	-0.00041	0.00484
#2	0.08365	-0.00195	0.05917	-0.00665	0.00501	-0.00012	-0.00389	-0.00191	-0.00153
Mean	**0.08480**	**-0.00106**	**0.05917**	**-0.00378**	**0.00361**	**-0.00514**	**-0.00193**	**-0.00116**	**0.00166**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00182	0.00437	-0.00072	0.00005	0.00256	-0.02369	-0.00041	-0.00037	0.00018
#2	-0.00350	0.00093	-0.00073	-0.00005	0.00004	-0.02002	-0.00054	-0.00143	0.00018
Mean	**-0.00266**	**0.00265**	**-0.00072**	**0.00000**	**0.00130**	**-0.02185**	**-0.00047**	**-0.00090**	**0.00018**

	Pb	**Se**
	calc	calc
#1	0.00117	0.00310
#2	0.00113	-0.00165
Mean	**0.00115**	**0.00072**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:30
SampleId1 : 1705177-5 100X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 13:01:58
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	0.00008	-0.01720	0.00105	0.13595	0.00110	-0.00014	0.00003	7.64868	0.00018
#2	-0.00049	-0.01957	0.00118	0.13709	0.00110	-0.00017	-0.00646	7.66295	-0.00015
Mean	**-0.00021**	**-0.01838**	**0.00112**	**0.13652**	**0.00110**	**-0.00016**	**-0.00321**	**7.65581**	**0.00001**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00003	0.00060	0.00080	0.00473	1.89617	0.04084	2.67177	0.00727	-0.00131
#2	-0.00063	-0.00077	0.00046	0.00456	1.89868	0.04114	2.67717	0.00714	0.00028
Mean	**-0.00030**	**-0.00008**	**0.00063**	**0.00464**	**1.89742**	**0.04099**	**2.67447**	**0.00720**	**-0.00051**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	99.89082	0.00188	0.05917	-0.00259	0.00122	12.66974	-0.00040	-0.00160	0.00431

#2	100.42656	-0.00031	0.05917	-0.00226	0.00397	12.65480	-0.00264	-0.00193	0.00123
Mean	**100.15869**	**0.00078**	**0.05917**	**-0.00243**	**0.00260**	**12.66227**	**-0.00152**	**-0.00176**	**0.00277**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.14345	-0.00336	0.22026	-0.00002	-0.00367	-0.01021	0.00033	0.00459	0.00046
#2	0.14310	0.00222	0.22071	-0.00029	0.00188	-0.04574	-0.00054	0.00386	-0.00038
Mean	**0.14327**	**-0.00057**	**0.22049**	**-0.00015**	**-0.00089**	**-0.02798**	**-0.00010**	**0.00423**	**0.00004**

	Pb	**Se**
	calc	calc
#1	-0.00005	0.00235
#2	0.00189	0.00018
Mean	**0.00092**	**0.00126**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:30
SampleId1 : 1705177-6 100X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 13:03:01
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	-0.00061	-0.01313	0.00118	0.04640	0.00203	-0.00015	-0.00591	8.30213	-0.00026
#2	0.00010	-0.01837	0.00518	0.04458	0.00189	-0.00019	-0.00591	8.30753	0.00059
Mean	**-0.00025**	**-0.01575**	**0.00318**	**0.04549**	**0.00196**	**-0.00017**	**-0.00591**	**8.30483**	**0.00016**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00006	0.00014	0.00045	0.01842	1.34819	0.08468	1.41630	0.00794	-0.00197
#2	-0.00072	-0.00065	0.00009	0.01483	1.35421	0.08416	1.42372	0.00794	-0.00122
Mean	**-0.00039**	**-0.00026**	**0.00027**	**0.01662**	**1.35120**	**0.08442**	**1.42001**	**0.00794**	**-0.00160**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	47.84949	-0.00049	0.05917	-0.00487	0.00113	5.34041	0.00084	-0.00612	-0.00046
#2	47.55680	-0.00036	0.05917	-0.00569	0.00287	5.32040	-0.00410	-0.00206	0.00177
Mean	**47.70314**	**-0.00042**	**0.05917**	**-0.00528**	**0.00200**	**5.33041**	**-0.00163**	**-0.00409**	**0.00065**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.17258	0.00136	0.25412	0.00018	-0.00727	-0.02983	-0.00041	0.00192	-0.00026
#2	0.17036	-0.00078	0.25334	-0.00005	-0.00302	-0.02860	-0.00091	0.00123	-0.00030
Mean	**0.17147**	**0.00029**	**0.25373**	**0.00006**	**-0.00514**	**-0.02921**	**-0.00066**	**0.00158**	**-0.00028**

	Pb	**Se**
	calc	calc
#1	-0.00087	-0.00235
#2	0.00002	0.00049

Mean -0.00043 -0.00093ser: STEVE WORKMAN

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:31
SampleId1 : IP170522-13MB SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 13:06:00
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	-0.00122	-0.01885	0.00078	-0.00392	-0.00008	-0.00019	-0.00807	0.01300	-0.00013
#2	0.00009	-0.01885	-0.00268	-0.00289	0.00018	-0.00023	0.00057	0.01338	0.00003
Mean	**-0.00056**	**-0.01885**	**-0.00095**	**-0.00340**	**0.00005**	**-0.00021**	**-0.00375**	**0.01319**	**-0.00005**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00110	-0.00061	-0.00098	0.00033	0.18515	0.00321	-0.00544	0.00002	-0.00205
#2	-0.00044	-0.00031	-0.00027	0.00114	0.19567	0.00323	0.00130	0.00002	-0.00089
Mean	**-0.00077**	**-0.00046**	**-0.00062**	**0.00073**	**0.19041**	**0.00322**	**-0.00207**	**0.00002**	**-0.00147**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.06674	-0.00186	0.05917	-0.00866	0.00243	-0.01015	0.00166	-0.00431	0.00782
#2	0.06617	-0.00172	0.05917	-0.00523	0.00021	-0.01015	0.00044	0.00095	-0.00089
Mean	**0.06645**	**-0.00179**	**0.05917**	**-0.00694**	**0.00132**	**-0.01015**	**0.00105**	**-0.00168**	**0.00346**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00425	-0.00164	-0.00101	-0.00013	-0.00594	-0.01756	-0.00097	-0.00009	-0.00089
#2	-0.00406	0.00952	-0.00092	0.00013	-0.00222	-0.01633	-0.00004	-0.00041	0.00018
Mean	**-0.00415**	**0.00394**	**-0.00096**	**0.00000**	**-0.00408**	**-0.01694**	**-0.00051**	**-0.00025**	**-0.00036**

	Pb	Se
	calc	calc
#1	-0.00126	0.00378
#2	-0.00160	-0.00028
Mean	**-0.00143**	**0.00175**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:31
SampleId1 : IP170522-13LCS SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 13:08:20
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	0.10571	2.12707	1.04150	1.07270	1.04774	0.05338	-0.00594	40.75237	0.05153
#2	0.10660	2.11601	1.04083	1.06327	1.04623	0.05351	0.00541	40.87510	0.05130

Mean	**0.10615**	**2.12154**	**1.04117**	**1.06798**	**1.04699**	**0.05344**	**-0.00027**	**40.81373**	**0.05142**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.51415	0.21389	0.26467	1.00667	40.19097	0.50661	41.85950	0.53912	1.02076
#2	0.51507	0.21432	0.26484	1.00929	40.01766	0.50432	41.90935	0.53980	1.02309
Mean	**0.51461**	**0.21410**	**0.26475**	**1.00798**	**40.10432**	**0.50546**	**41.88442**	**0.53946**	**1.02192**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	39.46369	0.53429	0.05917	0.51890	0.52616	0.00490	0.51580	2.13302	2.13757
#2	39.35402	0.53438	0.05917	0.52174	0.53530	0.00991	0.52367	2.16012	2.23099
Mean	**39.40885**	**0.53433**	**0.05917**	**0.52032**	**0.53073**	**0.00741**	**0.51974**	**2.14657**	**2.18428**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.09604	0.52623	0.52068	0.51085	2.09113	-0.02105	0.54609	0.53821	-0.00064
#2	1.09530	0.53351	0.51945	0.51241	2.09475	-0.00757	0.54775	0.53954	-0.00022
Mean	**1.09567**	**0.52987**	**0.52006**	**0.51163**	**2.09294**	**-0.01431**	**0.54692**	**0.53888**	**-0.00043**

	Pb	Se
	calc	calc
#1	0.52374	2.13606
#2	0.53079	2.20739
Mean	**0.52727**	**2.17172**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:31
SampleId1 : 1705198-1 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 13:10:03
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	-0.00011	0.01522	0.00638	0.01799	0.03509	-0.00017	0.00301	47.10139	-0.00022
#2	-0.00049	0.01447	0.00078	0.01560	0.03535	-0.00014	-0.00645	47.13479	-0.00030
Mean	**-0.00030**	**0.01484**	**0.00358**	**0.01679**	**0.03522**	**-0.00016**	**-0.00172**	**47.11809**	**-0.00026**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00002	0.25273	0.00061	0.07809	5.49316	0.00766	10.80154	0.00297	0.00161
#2	-0.00105	0.25266	0.00027	0.07645	5.54407	0.00769	10.83539	0.00311	0.00302
Mean	**-0.00054**	**0.25269**	**0.00044**	**0.07727**	**5.51862**	**0.00767**	**10.81847**	**0.00304**	**0.00231**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	15.72815	0.00274	-0.04313	-0.00354	0.00145	13.90506	-0.00076	0.00082	0.00326
#2	15.91427	0.00242	-0.04313	-0.00883	0.00570	13.88515	-0.00116	-0.00492	0.00241
Mean	**15.82121**	**0.00258**	**-0.04313**	**-0.00619**	**0.00358**	**13.89510**	**-0.00096**	**-0.00205**	**0.00284**

ted: 5/26/2017 12:48:51 User: STEVE WORKMAN

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	15.80285	0.00179	0.28033	0.00212	0.00778	0.00197	0.01178	0.00775	-0.00298
#2	15.94682	0.00479	0.28190	0.00200	0.00218	-0.02989	0.01060	0.00709	-0.00316
Mean	**15.87484**	**0.00329**	**0.28111**	**0.00206**	**0.00498**	**-0.01396**	**0.01119**	**0.00742**	**-0.00307**

	Pb	Se
	calc	calc
#1	-0.00021	0.00245
#2	0.00086	-0.00003
Mean	**0.00032**	**0.00121**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:31
SampleId1 : 1705198-1D SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 13:11:05
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	-0.00080	0.02451	0.00972	0.01902	0.03549	-0.00022	0.00139	47.38030	-0.00022
#2	-0.00090	0.01613	0.00132	0.01811	0.03542	-0.00019	-0.00104	47.46121	-0.00005
Mean	**-0.00085**	**0.02032**	**0.00552**	**0.01856**	**0.03545**	**-0.00021**	**0.00017**	**47.42075**	**-0.00014**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00017	0.25562	0.00009	0.08950	5.57734	0.00766	10.88008	0.00391	0.00419
#2	-0.00115	0.25610	0.00009	0.08999	5.58742	0.00767	10.89226	0.00405	0.00252
Mean	**-0.00049**	**0.25586**	**0.00009**	**0.08974**	**5.58238**	**0.00767**	**10.88617**	**0.00398**	**0.00335**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	15.96760	0.00219	0.05917	0.00134	-0.00127	14.02457	-0.00116	0.00410	-0.00045
#2	15.99714	0.00260	0.05917	-0.00447	0.00221	14.08929	-0.00138	-0.00296	0.00263
Mean	**15.98237**	**0.00240**	**0.05917**	**-0.00157**	**0.00047**	**14.05693**	**-0.00127**	**0.00057**	**0.00109**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	16.01574	0.00265	0.28233	0.00247	-0.00685	-0.01887	0.01203	0.00821	-0.00288
#2	16.04453	0.00007	0.28368	0.00220	-0.00393	-0.02255	0.01173	0.00724	-0.00347
Mean	**16.03013**	**0.00136**	**0.28301**	**0.00233**	**-0.00539**	**-0.02071**	**0.01188**	**0.00773**	**-0.00318**

	Pb	Se
	calc	calc
#1	-0.00040	0.00106
#2	-0.00002	0.00077
Mean	**-0.00021**	**0.00091**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:31
SampleId1 : 1705198-1L 5X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 13:12:38
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	-0.00040	-0.01996	0.00252	0.00133	0.00716	-0.00023	-0.00348	9.31064	-0.00004
#2	0.00010	-0.01549	0.00078	0.00190	0.00716	-0.00026	0.00435	9.32609	0.00018
Mean	**-0.00015**	**-0.01773**	**0.00165**	**0.00162**	**0.00716**	**-0.00024**	**0.00043**	**9.31837**	**0.00007**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00071	0.05135	0.00009	0.01597	1.18487	0.00401	2.13886	0.00069	-0.00139
#2	-0.00071	0.05026	0.00027	0.01597	1.18637	0.00402	2.14967	0.00082	-0.00189
Mean	**-0.00071**	**0.05080**	**0.00018**	**0.01597**	**1.18562**	**0.00401**	**2.14427**	**0.00075**	**-0.00164**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.25082	0.00014	0.05917	-0.00517	0.00149	2.69712	-0.00064	0.00514	0.00442
#2	3.24361	0.00074	0.05917	0.00130	0.00281	2.67708	-0.00085	0.00469	0.00028
Mean	**3.24722**	**0.00044**	**0.05917**	**-0.00193**	**0.00215**	**2.68710**	**-0.00074**	**0.00492**	**0.00235**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.13718	-0.00164	0.05550	0.00018	-0.00010	-0.02860	0.00183	0.00253	-0.00103
#2	3.13050	0.00265	0.05559	0.00027	-0.00674	-0.03105	0.00183	0.00182	-0.00083
Mean	**3.13384**	**0.00050**	**0.05554**	**0.00022**	**-0.00342**	**-0.02983**	**0.00183**	**0.00217**	**-0.00093**

	Pb	Se
	calc	calc
#1	-0.00073	0.00466
#2	0.00231	0.00175
Mean	**0.00079**	**0.00321**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:32
SampleId1 : 1705198-1MS SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 13:13:53
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	0.10551	2.12622	1.04603	1.10417	1.08334	0.05344	0.00513	88.40623	0.05196
#2	0.10681	2.11208	1.03897	1.09826	1.07733	0.05327	0.00216	88.46367	0.05127
Mean	**0.10616**	**2.11915**	**1.04250**	**1.10122**	**1.08034**	**0.05335**	**0.00365**	**88.43495**	**0.05161**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.50868	0.46594	0.26644	1.15465	47.99328	0.53752	52.72718	0.53778	1.02574
#2	0.50690	0.46584	0.26555	1.15153	47.81274	0.53489	52.74773	0.53657	1.02641
Mean	**0.50779**	**0.46589**	**0.26600**	**1.15309**	**47.90301**	**0.53621**	**52.73746**	**0.53717**	**1.02607**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	57.82625	0.52551	0.05917	0.51194	0.52610	14.18389	0.52128	2.15709	2.12485
#2	57.64563	0.52746	-0.04313	0.51665	0.53626	14.12912	0.52249	2.14439	2.21458
Mean	**57.73594**	**0.52649**	**0.00802**	**0.51429**	**0.53118**	**14.15651**	**0.52188**	**2.15074**	**2.16971**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	16.93599	0.53223	0.80032	0.51030	2.07270	-0.01507	0.55386	0.53247	-0.00362
#2	16.92633	0.52837	0.79487	0.51078	2.08123	-0.00527	0.55460	0.53378	-0.00378
Mean	**16.93116**	**0.53030**	**0.79760**	**0.51054**	**2.07697**	**-0.01017**	**0.55423**	**0.53312**	**-0.00370**

	Pb	Se
	calc	calc
#1	0.52138	2.13558
#2	0.52973	2.19121
Mean	**0.52556**	**2.16339**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:32
SampleId1 : 1705198-1MSD SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 13:14:55
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	0.10571	2.06018	1.00844	1.06656	1.05514	0.05186	-0.00410	86.51869	0.05014
#2	0.10473	2.08212	1.00777	1.07077	1.05983	0.05198	-0.00139	86.59779	0.04922
Mean	**0.10522**	**2.07115**	**1.00811**	**1.06867**	**1.05749**	**0.05192**	**-0.00275**	**86.55824**	**0.04968**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49522	0.45334	0.25951	1.12331	47.32354	0.52795	51.84712	0.52325	0.99644
#2	0.49447	0.45484	0.26131	1.12266	47.56996	0.53099	52.03613	0.52419	0.99677
Mean	**0.49484**	**0.45409**	**0.26041**	**1.12299**	**47.44675**	**0.52947**	**51.94162**	**0.52372**	**0.99660**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	56.50925	0.51259	-0.04313	0.50334	0.51139	13.79551	0.50920	2.07447	2.04519
#2	57.01525	0.50814	0.05917	0.49648	0.52143	13.74571	0.50698	2.09941	2.13801
Mean	**56.76225**	**0.51036**	**0.00802**	**0.49991**	**0.51641**	**13.77061**	**0.50809**	**2.08694**	**2.09160**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	16.52967	0.52067	0.77857	0.49704	2.00304	-0.01749	0.53851	0.52102	-0.00346
#2	16.61214	0.52110	0.78121	0.50009	2.03146	-0.04690	0.53870	0.51878	-0.00396
Mean	**16.57090**	**0.52088**	**0.77989**	**0.49856**	**2.01725**	**-0.03220**	**0.53861**	**0.51990**	**-0.00371**

	Pb	**Se**
	calc	calc
#1	0.50871	2.05494
#2	0.51312	2.12516
Mean	**0.51092**	**2.09005**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:32
SampleId1 : 1705198-2 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 13:15:57
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	-0.00009	-0.01947	0.00318	0.02039	0.03588	-0.00024	-0.00564	48.21065	-0.00040
#2	0.00070	-0.02441	0.00452	0.02027	0.03575	-0.00022	0.00247	48.24570	-0.00010
Mean	**0.00030**	**-0.02194**	**0.00385**	**0.02033**	**0.03582**	**-0.00023**	**-0.00159**	**48.22818**	**-0.00025**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00011	0.25838	0.00063	0.00815	5.66657	0.00786	11.07845	0.00028	0.00643
#2	-0.00020	0.25758	0.00115	0.00831	5.66758	0.00781	11.07845	0.00055	0.00410
Mean	**-0.00016**	**0.25798**	**0.00089**	**0.00823**	**5.66707**	**0.00783**	**11.07845**	**0.00042**	**0.00527**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	16.24840	0.00005	0.05917	-0.00149	0.00005	14.27351	0.00029	0.00410	0.00537
#2	16.26126	0.00210	0.05917	-0.00330	0.00201	14.15900	-0.00117	0.00065	0.00484
Mean	**16.25483**	**0.00108**	**0.05917**	**-0.00239**	**0.00103**	**14.21625**	**-0.00044**	**0.00238**	**0.00511**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	16.25763	0.00780	0.28736	0.00025	-0.00036	-0.02614	0.01233	0.00569	-0.00324
#2	16.25761	0.00351	0.28622	0.00040	0.00164	-0.01266	0.01214	0.00665	-0.00302
Mean	**16.25762**	**0.00565**	**0.28679**	**0.00032**	**0.00064**	**-0.01940**	**0.01223**	**0.00617**	**-0.00313**

	Pb	**Se**
	calc	calc
#1	-0.00046	0.00495
#2	0.00024	0.00345
Mean	**-0.00011**	**0.00420**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:32
SampleId1 : CCV **SampleId2 :** **[CV]**

Analysis commenced : 5/25/2017 13:18:20 WORKMAN
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	0.19956	51.15054	0.48975	1.01259	1.01090	0.50034	0.49783	49.71128	0.49036
#2	0.19987	51.01451	0.48682	1.00440	1.00984	0.50020	0.49379	49.68344	0.48540
Mean	**0.19972**	**51.08252**	**0.48828**	**1.00850**	**1.01037**	**0.50027**	**0.49581**	**49.69736**	**0.48788**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48264	1.00364	0.99240	20.27662	51.14873	0.50293	51.51159	1.00925	1.00266
#2	0.48235	1.00192	0.98693	20.26629	51.09259	0.50182	51.47324	1.00938	1.00009
Mean	**0.48249**	**1.00278**	**0.98967**	**20.27145**	**51.12066**	**0.50237**	**51.49241**	**1.00931**	**1.00138**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.79847	0.99027	5.00272	0.99256	1.01166	4.98018	0.49433	0.97420	0.99725
#2	49.64145	0.98232	5.10640	0.99255	1.02134	4.97518	0.49109	0.99045	1.02062
Mean	**49.71996**	**0.98629**	**5.05456**	**0.99256**	**1.01650**	**4.97768**	**0.49271**	**0.98233**	**1.00893**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.92102	1.01061	0.50014	0.49408	0.49404	5.01552	0.50247	0.99392	1.00419
#2	4.91136	1.00076	0.49843	0.49458	0.50102	4.99726	0.50154	0.99715	1.00358
Mean	**4.91619**	**1.00569**	**0.49928**	**0.49433**	**0.49753**	**5.00639**	**0.50200**	**0.99553**	**1.00389**

	Pb	Se
	calc	calc
#1	1.00530	0.98957
#2	1.01175	1.01058
Mean	**1.00853**	**1.00007**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:32
SampleId1 : CCB SampleId2 : [CB]
Analysis commenced : 5/25/2017 13:19:28
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	-0.00793	0.00318	0.00065	0.00071	-0.00016	0.00247	0.03670	0.00063
#2	0.00048	-0.01616	0.00185	-0.00164	0.00044	-0.00019	-0.00158	0.03555	0.00010
Mean	**0.00033**	**-0.01204**	**0.00252**	**-0.00049**	**0.00058**	**-0.00017**	**0.00044**	**0.03612**	**0.00036**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	-0.00016	0.00099	0.00097	0.00994	0.22522	0.00341	0.02965	0.00042	0.00044
#2	0.00022	0.00064	-0.00010	0.00978	0.23023	0.00340	0.02493	0.00055	-0.00039
Mean	**0.00003**	**0.00082**	**0.00043**	**0.00986**	**0.22773**	**0.00341**	**0.02729**	**0.00049**	**0.00003**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.08442	-0.00013	0.05917	0.00273	0.00151	-0.02019	0.00106	0.00112	-0.00269
#2	0.08336	-0.00040	0.05917	-0.00077	0.00247	-0.01517	-0.00018	0.00097	-0.00004
Mean	**0.08389**	**-0.00027**	**0.05917**	**0.00098**	**0.00199**	**-0.01768**	**0.00044**	**0.00104**	**-0.00137**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00016	-0.00036	-0.00070	0.00022	0.00404	-0.00164	0.00008	-0.00002	0.00055
#2	0.00113	0.00523	-0.00070	0.00018	0.00178	0.00204	0.00058	0.00029	0.00058
Mean	**0.00049**	**0.00244**	**-0.00070**	**0.00020**	**0.00291**	**0.00020**	**0.00033**	**0.00014**	**0.00057**

	Pb	**Se**
	calc	calc
#1	0.00192	-0.00142
#2	0.00139	0.00030
Mean	**0.00165**	**-0.00056**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:33
SampleId1 : 1705198-3 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 13:20:36
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	-0.00149	0.00046	0.00918	0.01639	0.03588	-0.00024	-0.00619	47.87391	-0.00009
#2	-0.00070	-0.00196	0.00465	0.01776	0.03595	-0.00029	0.00705	47.85700	-0.00021
Mean	**-0.00109**	**-0.00075**	**0.00692**	**0.01708**	**0.03591**	**-0.00027**	**0.00043**	**47.86546**	**-0.00015**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00077	0.25564	-0.00043	0.04466	5.67262	0.00768	11.10892	0.00257	0.00360
#2	-0.00095	0.25553	0.00027	0.04515	5.63834	0.00769	11.06627	0.00257	0.00269
Mean	**-0.00086**	**0.25559**	**-0.00008**	**0.04491**	**5.65548**	**0.00769**	**11.08759**	**0.00257**	**0.00315**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	16.36555	0.00087	-0.04313	-0.00546	0.00548	14.34818	-0.00302	-0.00313	0.00846
#2	16.21702	0.00078	-0.04313	-0.00130	0.00160	14.22870	-0.00426	-0.00025	0.00177
Mean	**16.29128**	**0.00083**	**-0.04313**	**-0.00338**	**0.00354**	**14.28844**	**-0.00364**	**-0.00169**	**0.00511**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	16.34307	0.00093	0.28882	0.00050	0.00269	-0.04579	0.01134	0.00722	-0.00337

#2	16.26299	-0.00164	0.28621	0.00092	0.00483	-0.02128	0.01184	0.00656	-0.00282
Mean	**16.30303**	**-0.00036**	**0.28751**	**0.00071**	**0.00376**	**-0.03353**	**0.01159**	**0.00689**	**-0.00309**

	Pb	**Se**
	calc	calc
#1	0.00183	0.00460
#2	0.00064	0.00110
Mean	**0.00123**	**0.00285**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:33
SampleId1 : 1705198-4 SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 13:21:39
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	-0.00020	-0.02439	0.00665	0.01708	0.03450	-0.00025	0.00138	46.73165	0.00073
#2	-0.00100	-0.02080	0.00185	0.01651	0.03470	-0.00027	-0.00186	46.86079	-0.00047
Mean	**-0.00060**	**-0.02259**	**0.00425**	**0.01679**	**0.03460**	**-0.00026**	**-0.00024**	**46.79622**	**0.00013**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00002	0.24903	0.00062	0.01027	5.44276	0.00754	10.73790	0.00042	0.00302
#2	-0.00049	0.24894	-0.00009	0.00929	5.48207	0.00756	10.75212	0.00002	0.00335
Mean	**-0.00025**	**0.24898**	**0.00026**	**0.00978**	**5.46242**	**0.00755**	**10.74501**	**0.00022**	**0.00319**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	15.66830	0.00065	0.05917	0.00046	0.00159	13.66105	0.00257	0.00246	0.00166
#2	15.79620	-0.00072	0.05917	-0.00753	0.00370	13.72081	0.00134	0.00050	0.00453
Mean	**15.73225**	**-0.00004**	**0.05917**	**-0.00353**	**0.00265**	**13.69093**	**0.00195**	**0.00148**	**0.00309**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	15.71854	-0.00121	0.27797	0.00018	-0.01151	-0.01266	0.01145	0.00792	-0.00283
#2	15.82554	-0.00207	0.28007	-0.00011	-0.00501	-0.02124	0.01040	0.00561	-0.00332
Mean	**15.77204**	**-0.00164**	**0.27902**	**0.00004**	**-0.00826**	**-0.01695**	**0.01092**	**0.00676**	**-0.00307**

	Pb	**Se**
	calc	calc
#1	0.00121	0.00193
#2	-0.00004	0.00318
Mean	**0.00059**	**0.00255**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:33
SampleId1 : 1705198-5 SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 13:22:41
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE63

ted: 5/26/2017 12:48:51 User: STEVE WORKMAN

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00058	-0.02204	0.00078	0.01696	0.03114	-0.00026	0.00004	60.86948	0.00018
#2	-0.00042	-0.02074	-0.00095	0.01582	0.03127	-0.00027	0.00436	61.23399	-0.00011
Mean	**0.00008**	**-0.02139**	**-0.00008**	**0.01639**	**0.03120**	**-0.00027**	**0.00220**	**61.05174**	**0.00004**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00035	0.01418	0.00096	0.00391	3.85052	0.00660	8.00859	0.00364	-0.00031
#2	-0.00011	0.01454	0.00025	0.00375	3.88775	0.00659	8.06542	0.00364	-0.00064
Mean	**0.00012**	**0.01436**	**0.00061**	**0.00383**	**3.86913**	**0.00659**	**8.03700**	**0.00364**	**-0.00047**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	26.57144	0.00137	-0.04313	0.00251	-0.00211	28.80719	0.00243	0.01630	-0.00344
#2	26.92656	-0.00068	0.05917	-0.00331	0.00133	29.04424	-0.00169	-0.00774	0.00580
Mean	**26.74900**	**0.00035**	**0.00802**	**-0.00040**	**-0.00039**	**28.92572**	**0.00037**	**0.00428**	**0.00118**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	11.61490	-0.00164	0.30689	0.00029	0.00072	0.01185	0.00351	0.00287	-0.00180
#2	11.76476	0.00737	0.30934	-0.00004	-0.00154	0.00205	0.00258	0.00091	-0.00247
Mean	**11.68983**	**0.00286**	**0.30812**	**0.00013**	**-0.00041**	**0.00695**	**0.00304**	**0.00189**	**-0.00214**

	Pb	Se
	calc	calc
#1	-0.00057	0.00313
#2	-0.00022	0.00129
Mean	**-0.00039**	**0.00221**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:33
SampleId1 : 1705198-6 SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 13:23:44
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	-0.00001	-0.01563	0.00532	0.01491	0.03048	-0.00024	0.00193	59.76414	0.00046
#2	-0.00051	-0.02273	-0.00028	0.01594	0.03048	-0.00023	0.00624	59.66549	0.00009
Mean	**-0.00026**	**-0.01918**	**0.00252**	**0.01542**	**0.03048**	**-0.00023**	**0.00408**	**59.71482**	**0.00027**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00035	0.01437	0.00061	0.01597	3.77807	0.00653	7.86586	0.00069	0.00028
#2	-0.00134	0.01411	0.00044	0.01467	3.77858	0.00652	7.81918	0.00069	-0.00089

Mean	**-0.00049**	**0.01424**	**0.00053**	**0.01532**	**3.77833**	**0.00653**	**7.84252**	**0.00069**	**-0.00031**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	26.34060	0.00128	-0.04313	-0.00027	-0.00010	28.47626	0.00161	0.00186	-0.00322
#2	26.29674	0.00078	-0.04313	-0.00344	0.00177	28.52566	-0.00066	-0.00416	0.00070
Mean	**26.31867**	**0.00103**	**-0.04313**	**-0.00186**	**0.00083**	**28.50096**	**0.00047**	**-0.00115**	**-0.00126**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	11.43998	0.00050	0.29995	-0.00002	-0.00526	-0.00409	0.00314	0.00090	-0.00190
#2	11.42159	0.00566	0.29936	-0.00004	0.00097	-0.01757	0.00258	0.00155	-0.00214
Mean	**11.43079**	**0.00308**	**0.29966**	**-0.00003**	**-0.00215**	**-0.01083**	**0.00286**	**0.00122**	**-0.00202**

	Pb	Se
	calc	calc
#1	-0.00016	-0.00153
#2	0.00003	-0.00091
Mean	**-0.00006**	**-0.00122**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:33
SampleId1 : 1705243-2 10X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 13:24:46
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	-0.00072	-0.01644	-0.00015	0.06135	0.16679	-0.00021	0.00004	0.77366	0.00019
#2	-0.00132	-0.01975	-0.00148	0.05975	0.16725	-0.00021	0.00084	0.77174	0.00020
Mean	**-0.00102**	**-0.01810**	**-0.00082**	**0.06055**	**0.16702**	**-0.00021**	**0.00044**	**0.77270**	**0.00019**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00036	0.00039	0.00311	0.09015	0.53239	0.06126	0.14912	0.00942	-0.00022
#2	-0.00039	0.00035	0.00134	0.08885	0.52888	0.06131	0.14440	0.00955	0.00003
Mean	**-0.00002**	**0.00037**	**0.00222**	**0.08950**	**0.53064**	**0.06128**	**0.14676**	**0.00949**	**-0.00010**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	68.13136	0.00424	-0.04313	0.00101	0.00020	0.03500	0.00003	-0.00355	0.00432
#2	68.14654	0.00310	0.05917	-0.00675	0.00370	0.01995	-0.00553	-0.00686	0.00369
Mean	**68.13895**	**0.00367**	**0.00802**	**-0.00287**	**0.00195**	**0.02747**	**-0.00275**	**-0.00521**	**0.00401**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.17680	0.00437	0.13715	-0.00004	-0.00445	-0.01030	0.00004	0.00458	0.00018
#2	1.17587	0.00007	0.13763	0.00050	-0.00207	-0.02255	-0.00052	0.00424	0.00003
Mean	**1.17633**	**0.00222**	**0.13739**	**0.00023**	**-0.00326**	**-0.01642**	**-0.00024**	**0.00441**	**0.00010**

ted: 5/26/2017 12:48:52 User: STEVE WORKMAN

	Pb	Se
	calc	calc
#1	0.00047	0.00170
#2	0.00022	0.00017
Mean	**0.00035**	**0.00094**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:34
SampleId1 : 1705271-19 SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 13:25:49
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	-0.00041	0.00818	0.00318	0.02689	0.10182	-0.00017	0.00085	90.22829	0.00011
#2	0.00008	0.00331	0.00305	0.02746	0.10077	-0.00022	0.00113	90.06240	-0.00009
Mean	**-0.00016**	**0.00575**	**0.00312**	**0.02718**	**0.10130**	**-0.00020**	**0.00099**	**90.14535**	**0.00001**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00002	-0.00004	0.00721	0.26603	2.32747	0.00416	19.01171	0.02567	-0.00064
#2	-0.00002	0.00078	0.00755	0.26668	2.32546	0.00421	18.90585	0.02567	0.00069
Mean	**-0.00002**	**0.00037**	**0.00738**	**0.26635**	**2.32646**	**0.00419**	**18.95878**	**0.02567**	**0.00003**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.97663	0.00456	0.05917	-0.00293	0.00220	10.28642	-0.00162	0.00455	-0.00117
#2	3.91733	0.00402	0.05917	0.00123	0.00290	10.20659	0.00168	0.00532	0.00222
Mean	**3.94698**	**0.00429**	**0.05917**	**-0.00085**	**0.00255**	**10.24651**	**0.00003**	**0.00493**	**0.00052**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.89314	0.00437	0.17910	0.00027	0.00024	-0.02273	-0.00054	0.04022	-0.00076
#2	2.87310	0.00780	0.17762	0.00050	0.00198	-0.00435	0.00046	0.03960	-0.00053
Mean	**2.88312**	**0.00608**	**0.17836**	**0.00039**	**0.00111**	**-0.01354**	**-0.00004**	**0.03991**	**-0.00065**

	Pb	Se
	calc	calc
#1	0.00049	0.00073
#2	0.00234	0.00325
Mean	**0.00142**	**0.00199**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:34
SampleId1 : 1705271-19D SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 13:26:52
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE67

Final concentrations

ted: 5/26/2017 12:48:52 User: STEVE WORKMAN

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00057	0.00604	0.01118	0.02815	0.09985	-0.00015	0.00464	89.07728	-0.00002
#2	-0.00069	0.00155	-0.00268	0.02712	0.10110	-0.00017	-0.00806	89.00470	-0.00054
Mean	**-0.00006**	**0.00380**	**0.00425**	**0.02763**	**0.10047**	**-0.00016**	**-0.00171**	**89.04099**	**-0.00028**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00045	0.00120	0.00737	0.25917	2.28277	0.00416	18.70840	0.02527	0.00003
#2	-0.00114	-0.00090	0.00651	0.25770	2.29081	0.00412	18.77964	0.02500	0.00003
Mean	**-0.00035**	**0.00015**	**0.00694**	**0.25844**	**2.28679**	**0.00414**	**18.74402**	**0.02514**	**0.00003**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.86944	0.00657	0.05917	0.00385	-0.00079	10.15669	0.00044	0.00504	-0.00139
#2	3.91224	0.00279	0.05917	-0.00733	0.00769	10.18164	-0.00182	-0.00178	0.00573
Mean	**3.89084**	**0.00468**	**0.05917**	**-0.00174**	**0.00345**	**10.16917**	**-0.00069**	**0.00163**	**0.00217**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.85342	0.00651	0.17601	0.00036	-0.00187	0.01404	0.00021	0.04061	-0.00031
#2	2.86754	0.00437	0.17766	0.00027	-0.00456	-0.04723	-0.00110	0.03853	-0.00113
Mean	**2.86048**	**0.00544**	**0.17683**	**0.00031**	**-0.00321**	**-0.01660**	**-0.00044**	**0.03957**	**-0.00072**

	Pb	Se
	calc	calc
#1	0.00076	0.00075
#2	0.00269	0.00323
Mean	**0.00172**	**0.00199**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:34
SampleId1 : 1705271-19L 5X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 13:27:55
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	-0.00013	-0.01677	0.00505	0.00213	0.01981	-0.00022	0.00868	17.45189	-0.00029
#2	-0.00021	-0.01958	0.00612	0.00316	0.01981	-0.00024	0.00057	17.49399	0.00014
Mean	**-0.00017**	**-0.01818**	**0.00558**	**0.00264**	**0.01981**	**-0.00023**	**0.00463**	**17.47294**	**-0.00007**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00022	0.00046	0.00061	0.05559	0.56397	0.00349	3.71754	0.00512	-0.00197
#2	-0.00079	0.00026	0.00151	0.05461	0.55495	0.00346	3.72903	0.00499	-0.00014
Mean	**-0.00051**	**0.00036**	**0.00106**	**0.05510**	**0.55946**	**0.00347**	**3.72329**	**0.00505**	**-0.00106**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.75507	0.00092	-0.04313	-0.00120	0.00066	1.99561	0.00104	0.00143	-0.00163
#2	0.76097	-0.00049	-0.04313	-0.00292	0.00279	1.99060	-0.00162	-0.00370	0.00634
Mean	**0.75802**	**0.00021**	**-0.04313**	**-0.00206**	**0.00172**	**1.99311**	**-0.00029**	**-0.00114**	**0.00236**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.57001	0.00093	0.03484	0.00005	0.00193	0.00689	0.00016	0.00821	-0.00011
#2	0.57096	-0.00035	0.03512	-0.00067	-0.00154	-0.01516	-0.00015	0.00688	-0.00020
Mean	**0.57049**	**0.00029**	**0.03498**	**-0.00031**	**0.00019**	**-0.00413**	**0.00000**	**0.00755**	**-0.00015**

	Pb	Se
	calc	calc
#1	0.00004	-0.00061
#2	0.00089	0.00299
Mean	**0.00046**	**0.00119**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:34
SampleId1 : 1705271-19MS SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 13:28:58
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	0.10713	2.16114	1.06043	1.10803	1.15487	0.05341	0.00433	129.41213	0.05067
#2	0.10662	2.14959	1.04030	1.10610	1.15018	0.05348	-0.00430	129.08782	0.05103
Mean	**0.10687**	**2.15536**	**1.05037**	**1.10707**	**1.15253**	**0.05345**	**0.00002**	**129.24997**	**0.05085**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.51243	0.21251	0.27605	1.28924	44.59509	0.53662	60.64429	0.56308	1.02906
#2	0.51130	0.21128	0.27533	1.28858	44.25372	0.53176	60.39512	0.56213	1.02724
Mean	**0.51186**	**0.21189**	**0.27569**	**1.28891**	**44.42440**	**0.53419**	**60.51971**	**0.56261**	**1.02815**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	45.56250	0.53510	0.05917	0.51685	0.53447	10.10680	0.53258	2.16462	2.12666
#2	45.09701	0.53556	0.05917	0.51716	0.54305	10.06688	0.52634	2.16721	2.23398
Mean	**45.32976**	**0.53533**	**0.05917**	**0.51700**	**0.53876**	**10.08684**	**0.52946**	**2.16592**	**2.18032**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.90406	0.52923	0.69359	0.51125	2.08395	-0.05075	0.54437	0.56653	-0.00069
#2	3.87750	0.53523	0.69057	0.51166	2.08410	-0.02747	0.54541	0.56746	-0.00156
Mean	**3.89078**	**0.53223**	**0.69208**	**0.51145**	**2.08402**	**-0.03911**	**0.54489**	**0.56699**	**-0.00112**

	Pb	Se

	calc	calc
		ser: STEVE WORKMAN
#1	0.52860	2.13930
#2	0.53443	2.21174
Mean	**0.53152**	**2.17552**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:34
SampleId1 : 1705271-19MSD SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 13:30:01
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	0.10592	2.16217	1.06216	1.12962	1.15811	0.05394	0.00111	130.24443	0.05186
#2	0.10631	2.15266	1.05496	1.12019	1.15738	0.05391	-0.00294	130.22483	0.05166
Mean	**0.10612**	**2.15742**	**1.05856**	**1.12490**	**1.15774**	**0.05392**	**-0.00092**	**130.23463**	**0.05176**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.51598	0.21290	0.27871	1.29022	44.78134	0.53830	60.97105	0.56550	1.03288
#2	0.51588	0.21398	0.27693	1.29170	44.67505	0.53684	60.94909	0.56536	1.03197
Mean	**0.51593**	**0.21344**	**0.27782**	**1.29096**	**44.72819**	**0.53757**	**60.96007**	**0.56543**	**1.03242**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	45.65686	0.53729	0.05917	0.51874	0.54295	10.24651	0.53825	2.22744	2.21765
#2	45.51454	0.53679	0.05917	0.52578	0.54849	10.34629	0.53421	2.22988	2.30546
Mean	**45.58570**	**0.53704**	**0.05917**	**0.52226**	**0.54572**	**10.29640**	**0.53623**	**2.22866**	**2.26156**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.94637	0.53008	0.70258	0.51338	2.12656	-0.03482	0.54794	0.56720	-0.00132
#2	3.94005	0.53180	0.70092	0.51326	2.10192	-0.02134	0.54837	0.57121	-0.00139
Mean	**3.94321**	**0.53094**	**0.70175**	**0.51332**	**2.11424**	**-0.02808**	**0.54816**	**0.56921**	**-0.00136**

	Pb	**Se**
	calc	calc
#1	0.53489	2.22091
#2	0.54093	2.28029
Mean	**0.53791**	**2.25060**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:35
SampleId1 : CCV SampleId2 : [CV]
Analysis commenced : 5/25/2017 13:43:45
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	0.19937	51.36222	0.47988	1.01406	1.01499	0.49922	0.49488	49.47849	0.48532
#2	0.19632	50.58457	0.48308	1.00111	1.00641	0.50038	0.49618	49.48656	0.48075
Mean	**0.19784**	**50.97340**	**0.48148**	**1.00759**	**1.01070**	**0.49980**	**0.49553**	**49.48253**	**0.48304**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48096	0.99983	0.99400	20.25995	51.24514	0.50447	51.48009	1.00776	1.00449
#2	0.48057	0.99930	0.98236	20.23767	50.49850	0.49705	51.27125	1.00682	1.00175
Mean	**0.48076**	**0.99956**	**0.98818**	**20.24881**	**50.87182**	**0.50076**	**51.37567**	**1.00729**	**1.00312**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.02452	0.98790	5.21012	0.98777	1.00717	5.00020	0.48953	0.98880	0.98540
#2	49.25749	0.98518	5.31386	0.98558	1.01475	4.97018	0.48447	0.98136	1.03014
Mean	**49.64101**	**0.98654**	**5.26199**	**0.98667**	**1.01096**	**4.98519**	**0.48700**	**0.98508**	**1.00777**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.92993	0.99563	0.50209	0.49537	0.49363	5.00092	0.50184	0.99376	1.00500
#2	4.88224	1.00590	0.49746	0.49458	0.48699	4.94248	0.50048	0.99802	1.00072
Mean	**4.90609**	**1.00076**	**0.49978**	**0.49497**	**0.49031**	**4.97170**	**0.50116**	**0.99589**	**1.00286**

	Pb	**Se**
	calc	calc
#1	1.00071	0.98653
#2	1.00504	1.01389
Mean	**1.00287**	**1.00021**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:35
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 5/25/2017 13:44:53
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	0.00008	-0.01259	0.00252	-0.00164	0.00051	-0.00020	0.00760	0.03746	0.00037
#2	-0.00013	-0.01621	0.00198	-0.00107	0.00058	-0.00025	-0.00563	0.03593	0.00035
Mean	**-0.00002**	**-0.01440**	**0.00225**	**-0.00135**	**0.00054**	**-0.00022**	**0.00098**	**0.03670**	**0.00036**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00022	0.00078	0.00151	0.01076	0.23023	0.00342	0.02695	0.00042	-0.00039
#2	0.00003	0.00090	0.00079	0.01027	0.22773	0.00341	0.02425	0.00042	-0.00072
Mean	**0.00012**	**0.00084**	**0.00115**	**0.01051**	**0.22898**	**0.00341**	**0.02560**	**0.00042**	**-0.00056**

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

#1	0.08115	0.00074	0.05917	-0.00024	0.00176	-0.01015	0.00105	0.00832	0.00346
#2	0.08067	0.00051	0.05917	0.00144	0.00205	-0.01015	0.00228	0.00472	0.00070
Mean	**0.08091**	**0.00062**	**0.05917**	**0.00060**	**0.00190**	**-0.01015**	**0.00167**	**0.00652**	**0.00208**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00090	0.00050	-0.00064	0.00020	-0.00088	-0.00654	0.00039	-0.00003	0.00062
#2	-0.00091	0.00093	-0.00066	-0.00013	-0.00194	-0.00041	0.00027	-0.00069	0.00071
Mean	**-0.00090**	**0.00072**	**-0.00065**	**0.00004**	**-0.00141**	**-0.00347**	**0.00033**	**-0.00036**	**0.00067**

	Pb	**Se**
	calc	calc
#1	0.00109	0.00508
#2	0.00185	0.00204
Mean	**0.00147**	**0.00356**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:35
SampleId1 : 1705243-2 SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 13:46:01
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	0.00050	-0.02201	0.00612	0.63579	1.60039	-0.00027	0.00142	6.84622	-0.00009
#2	0.00039	-0.02023	-0.00002	0.64080	1.60482	-0.00030	0.00385	6.86317	0.00001
Mean	**0.00045**	**-0.02112**	**0.00305**	**0.63829**	**1.60261**	**-0.00029**	**0.00263**	**6.85469**	**-0.00004**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00067	0.00468	0.01966	0.82403	4.85125	0.72726	1.29273	0.01452	0.00102
#2	0.00059	0.00511	0.01877	0.82436	4.86837	0.72963	1.30083	0.01452	-0.00081
Mean	**0.00063**	**0.00489**	**0.01922**	**0.82420**	**4.85981**	**0.72845**	**1.29678**	**0.01452**	**0.00011**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	469.69061	0.03284	0.05917	0.00022	-0.00032	0.09019	-0.00040	0.00215	0.00261
#2	464.00392	0.03371	0.05917	-0.00057	-0.00220	0.05005	-0.00083	-0.00024	-0.00142
Mean	**466.84727**	**0.03327**	**0.05917**	**-0.00017**	**-0.00126**	**0.07012**	**-0.00061**	**0.00095**	**0.00060**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	11.28122	-0.00035	1.29985	-0.00007	-0.00706	-0.02208	-0.00033	0.02689	-0.00103
#2	11.31816	-0.00078	1.30291	0.00036	-0.00094	-0.01106	-0.00002	0.02625	-0.00126
Mean	**11.29969**	**-0.00057**	**1.30138**	**0.00014**	**-0.00400**	**-0.01657**	**-0.00018**	**0.02657**	**-0.00114**

	Pb	**Se**
	calc	calc
#1	-0.00014	0.00246

#2	-0.00165	-0.00103	**ser: STEVE WORKMAN**
Mean	**-0.00090**	**0.00072**	

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:35
SampleId1 : IP170523-1MB SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 13:47:04
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	-0.00150	-0.03074	0.00158	-0.00346	0.00044	-0.00041	0.00083	0.01453	-0.00023
#2	0.00058	-0.03866	-0.00282	-0.00038	0.00051	-0.00042	-0.00185	0.01720	0.00000
Mean	**-0.00046**	**-0.03470**	**-0.00062**	**-0.00192**	**0.00048**	**-0.00042**	**-0.00051**	**0.01586**	**-0.00011**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00175	-0.00082	-0.00043	0.02314	0.15459	0.00331	-0.00342	0.00002	-0.00264
#2	-0.00063	0.00077	0.00079	0.02412	0.18014	0.00335	0.00535	0.00028	-0.00047
Mean	**-0.00119**	**-0.00002**	**0.00018**	**0.02363**	**0.16736**	**0.00333**	**0.00097**	**0.00015**	**-0.00155**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.24453	-0.00049	-0.04313	-0.01131	0.00672	-0.00514	-0.00658	0.00528	0.00294
#2	0.21008	0.00124	-0.04313	-0.00027	0.00366	-0.00012	-0.00245	-0.00353	0.00336
Mean	**0.22731**	**0.00037**	**-0.04313**	**-0.00579**	**0.00519**	**-0.00263**	**-0.00452**	**0.00088**	**0.00315**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01747	0.00136	-0.00099	-0.00081	-0.01020	-0.04086	-0.00122	-0.00010	-0.00096
#2	0.02322	0.00523	-0.00077	-0.00059	0.00099	0.00693	-0.00016	-0.00069	0.00011
Mean	**0.02034**	**0.00329**	**-0.00088**	**-0.00070**	**-0.00461**	**-0.01697**	**-0.00069**	**-0.00040**	**-0.00043**

	Pb	**Se**
	calc	calc
#1	0.00072	0.00372
#2	0.00235	0.00106
Mean	**0.00153**	**0.00239**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:35
SampleId1 : IP170523-1LCS SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 13:48:07
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	-0.00030	2.01815	0.97645	1.00509	1.03487	0.05153	0.00025	39.04458	0.04779

#2	0.00090	1.99791	0.97085	1.00134	1.03758	0.05164	-0.00082	39.08089	0.04870
Mean	**0.00030**	**2.00803**	**0.97365**	**1.00321**	**1.03622**	**0.05158**	**-0.00028**	**39.06274**	**0.04824**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49778	0.20962	0.26468	1.04033	38.35320	0.48264	40.21202	0.53118	1.00034
#2	0.50040	0.21027	0.26396	1.04344	38.23248	0.48183	40.21679	0.53159	0.99984
Mean	**0.49909**	**0.20995**	**0.26432**	**1.04189**	**38.29284**	**0.48224**	**40.21441**	**0.53139**	**1.00009**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	37.40485	0.51000	11.06313	0.49839	0.51550	10.22156	0.49409	1.90447	1.93304
#2	37.25257	0.51182	11.06313	0.50395	0.52512	10.20160	0.49469	1.91022	2.00019
Mean	**37.32871**	**0.51091**	**11.06313**	**0.50117**	**0.52031**	**10.21158**	**0.49439**	**1.90734**	**1.96662**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.03956	0.50566	0.50717	0.50705	1.98892	-0.03701	0.53717	0.51261	0.00013
#2	1.04251	0.51594	0.50834	0.50958	2.00134	-0.02966	0.53766	0.51594	-0.00010
Mean	**1.04103**	**0.51080**	**0.50776**	**0.50831**	**1.99513**	**-0.03334**	**0.53741**	**0.51427**	**0.00001**

	Pb	**Se**
	calc	calc
#1	0.50980	1.92353
#2	0.51807	1.97023
Mean	**0.51393**	**1.94688**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:36
SampleId1 : 1705095-1 10X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 13:55:37
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	-0.01313	-0.42049	-0.22677	5.22344	1.51133	-0.00022	-0.08281	3325.10262	-0.00918
#2	-0.02568	-0.70262	-0.38020	-1.56916	0.11309	-0.00153	-0.14949	201.92968	-0.01766
Mean	**-0.01941**	**-0.56155**	**-0.30349**	**1.82714**	**0.81221**	**-0.00088**	**-0.11615**	**1763.51615**	**-0.01342**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.03625	-0.03184	-0.01804	9.68179	313.94761	6.55510	432.30168	0.43499	-0.02011
#2	-0.06630	-0.06197	-0.04873	0.55846	24.84299	0.51952	19.26076	0.01493	-0.04441
Mean	**-0.05127**	**-0.04691**	**-0.03339**	**5.12013**	**169.39530**	**3.53731**	**225.78122**	**0.22496**	**-0.03226**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	286.73214	-0.03050	-0.86050	-0.35146	0.26129	27.92293	-0.09432	-0.05519	0.04002
#2	228.42741	-0.05669	-1.37043	-0.66713	0.46813	-0.46175	-0.15362	-0.13372	0.08706

Mean	**257.57978**	**-0.04360**	**-1.11546**	**-0.50930**	**0.36471**	**13.73059**	**-0.12397**	**-0.09445**	**0.06354**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.93824	-0.09277	45.98078	0.08312	-0.04201	-3.48648	-0.05060	0.27721	-0.01493
#2	-0.37639	-0.17814	2.89222	-0.00151	-0.11916	-6.07216	-0.08595	-0.01105	-0.02659
Mean	**1.78093**	**-0.13545**	**24.43650**	**0.04080**	**-0.08059**	**-4.77932**	**-0.06828**	**0.13308**	**-0.02076**

	Pb	Se
	calc	calc
#1	0.05724	0.00831
#2	0.09009	0.01354
Mean	**0.07367**	**0.01093**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:36
SampleId1 : 1705158-1 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 13:56:40
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	-0.00136	0.04576	0.00718	2.39029	8.71598	-0.00013	-0.00134	7.28089	0.00003
#2	-0.00188	0.05021	-0.00348	2.39549	8.74996	-0.00018	-0.00295	7.00149	0.00004
Mean	**-0.00162**	**0.04799**	**0.00185**	**2.39289**	**8.73297**	**-0.00016**	**-0.00214**	**7.14119**	**0.00003**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00219	-0.00030	0.00048	0.09684	10.23842	0.39154	1.51421	0.03158	-0.00222
#2	0.00148	-0.00015	0.00065	0.09472	10.21105	0.39214	1.55067	0.03158	-0.00330
Mean	**0.00184**	**-0.00022**	**0.00056**	**0.09578**	**10.22474**	**0.39184**	**1.53244**	**0.03158**	**-0.00276**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	389.89250	-0.00017	-0.14540	-0.00451	0.00349	4.34962	0.00022	-0.00468	0.00316
#2	391.43962	0.00014	-0.14540	-0.00701	0.00537	4.40968	-0.00371	0.00241	0.00295
Mean	**390.66606**	**-0.00001**	**-0.14540**	**-0.00576**	**0.00443**	**4.37965**	**-0.00174**	**-0.00114**	**0.00305**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	13.91109	0.00136	0.93893	0.00005	-0.00529	-0.09241	-0.00163	-0.00041	-0.00314
#2	13.95249	0.00007	0.97626	-0.00025	-0.00913	-0.06422	-0.00101	0.00026	-0.00286
Mean	**13.93179**	**0.00072**	**0.95760**	**-0.00010**	**-0.00721**	**-0.07831**	**-0.00132**	**-0.00007**	**-0.00300**

	Pb	Se
	calc	calc
#1	0.00083	0.00055
#2	0.00125	0.00277
Mean	**0.00104**	**0.00166**

ted: 5/26/2017 12:48:52 User: STEVE WORKMAN
Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:36
SampleId1 : 1705158-1D SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 13:57:44
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	-0.00021	0.05096	-0.00402	2.37662	8.69116	-0.00017	0.00220	5.76778	0.00050
#2	0.00091	0.04372	-0.00122	2.40431	8.81188	-0.00011	-0.00186	5.75008	0.00038
Mean	**0.00035**	**0.04734**	**-0.00262**	**2.39046**	**8.75152**	**-0.00014**	**0.00017**	**5.75893**	**0.00044**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00300	0.00082	0.00097	0.08477	9.97443	0.38390	1.42035	0.02997	-0.00106
#2	0.00213	0.00022	0.00098	0.08314	10.15531	0.39182	1.42237	0.02970	-0.00314
Mean	**0.00257**	**0.00052**	**0.00097**	**0.08396**	**10.06487**	**0.38786**	**1.42136**	**0.02984**	**-0.00210**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	425.60034	0.00137	-0.14540	0.00433	0.00368	4.32960	-0.00184	-0.00549	0.00071
#2	420.73236	-0.00017	-0.04313	-0.00571	0.00148	4.38966	-0.00206	-0.01122	0.00846
Mean	**423.16635**	**0.00060**	**-0.09427**	**-0.00069**	**0.00258**	**4.35963**	**-0.00195**	**-0.00836**	**0.00459**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	13.82656	0.00308	0.93461	-0.00050	-0.00152	-0.00171	-0.00002	-0.00069	-0.00226
#2	13.98276	-0.00207	0.94513	-0.00054	0.00458	-0.02132	-0.00101	-0.00171	-0.00277
Mean	**13.90466**	**0.00050**	**0.93987**	**-0.00052**	**0.00153**	**-0.01152**	**-0.00052**	**-0.00120**	**-0.00251**

	Pb	**Se**
	calc	calc
#1	0.00389	-0.00135
#2	-0.00092	0.00191
Mean	**0.00149**	**0.00028**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:36
SampleId1 : 1705158-1L 5X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:00:17
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	-0.00071	0.00508	-0.00055	0.49552	1.86208	-0.00014	0.00273	1.23864	-0.00001
#2	0.00049	0.00539	-0.00468	0.49358	1.85354	-0.00019	0.00598	1.24476	0.00020
Mean	**-0.00011**	**0.00523**	**-0.00262**	**0.49455**	**1.85781**	**-0.00017**	**0.00435**	**1.24170**	**0.00009**

ted: 5/26/2017 12:48:52 User: STEVE WORKMAN

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00010	-0.00013	0.00187	0.02298	1.97447	0.07834	0.30977	0.00660	-0.00122
#2	0.00150	0.00091	0.00222	0.02331	1.97798	0.07770	0.31855	0.00700	-0.00139
Mean	**0.00080**	**0.00039**	**0.00205**	**0.02314**	**1.97622**	**0.07802**	**0.31416**	**0.00680**	**-0.00131**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	151.21201	0.00096	-0.04313	-0.00504	0.00136	0.92280	-0.00307	0.00890	-0.00046
#2	150.13847	0.00037	-0.04313	-0.00048	0.00255	0.91277	-0.00225	-0.00295	-0.00227
Mean	**150.67524**	**0.00067**	**-0.04313**	**-0.00276**	**0.00196**	**0.91778**	**-0.00266**	**0.00298**	**-0.00136**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.94381	0.00265	0.19626	-0.00036	-0.00581	-0.02616	-0.00060	0.00158	-0.00077
#2	2.92914	0.00222	0.19526	0.00005	-0.00978	-0.01268	0.00021	0.00163	-0.00014
Mean	**2.93647**	**0.00244**	**0.19576**	**-0.00015**	**-0.00779**	**-0.01942**	**-0.00019**	**0.00160**	**-0.00046**

	Pb	Se
	calc	calc
#1	-0.00077	0.00266
#2	0.00154	-0.00249
Mean	**0.00039**	**0.00008**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:36
SampleId1 : Z **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 14:01:34
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	0.00040	2.06136	0.97791	3.31472	9.44857	0.04874	-0.00363	41.41778	0.04916
#2	-0.00050	2.07983	0.98191	3.32992	9.50580	0.04902	0.00286	41.86872	0.04798
Mean	**-0.00005**	**2.07059**	**0.97991**	**3.32232**	**9.47718**	**0.04888**	**-0.00038**	**41.64325**	**0.04857**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48207	0.19559	0.25773	1.03066	58.85688	0.90434	37.70707	0.52500	0.97336
#2	0.48831	0.19778	0.26041	1.04213	59.10339	0.90813	38.00858	0.53011	0.98930
Mean	**0.48519**	**0.19669**	**0.25907**	**1.03639**	**58.98014**	**0.90623**	**37.85783**	**0.52755**	**0.98133**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	457.94876	0.48926	10.95784	0.48251	0.49464	14.50250	0.48848	1.91719	1.95592
#2	456.88635	0.49199	10.85257	0.48806	0.50455	14.60703	0.49647	1.94274	2.01041
Mean	**457.41756**	**0.49062**	**10.90520**	**0.48528**	**0.49960**	**14.55476**	**0.49247**	**1.92996**	**1.98316**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	14.54628	0.51384	1.39607	0.47078	1.97263	-0.01127	0.50520	0.50143	-0.00291
#2	14.67970	0.50827	1.40434	0.47439	1.98181	-0.02231	0.50884	0.50450	-0.00287
Mean	**14.61299**	**0.51106**	**1.40020**	**0.47259**	**1.97722**	**-0.01679**	**0.50702**	**0.50296**	**-0.00289**

	Pb	Se
	calc	calc
#1	0.49060	1.94302
#2	0.49906	1.98787
Mean	**0.49483**	**1.96545**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:37
SampleId1 : 1705158-1MS SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:05:54
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	0.00160	2.04364	0.96592	3.27836	9.35623	0.04794	0.00473	40.91628	0.04802
#2	0.00009	2.05404	0.95538	3.28624	9.39788	0.04793	0.00446	40.87830	0.04810
Mean	**0.00085**	**2.04884**	**0.96065**	**3.28230**	**9.37706**	**0.04794**	**0.00459**	**40.89729**	**0.04806**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.47980	0.19467	0.25684	1.01918	49.98182	0.88997	37.24667	0.51894	0.96572
#2	0.47705	0.19393	0.25702	1.01984	50.36054	0.89900	37.29578	0.51921	0.96671
Mean	**0.47842**	**0.19430**	**0.25693**	**1.01951**	**50.17118**	**0.89449**	**37.27122**	**0.51907**	**0.96622**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	464.79700	0.48330	10.85257	0.48085	0.47732	14.38303	0.48398	1.90904	1.91639
#2	459.18229	0.47807	11.16846	0.48036	0.49211	14.40294	0.48218	1.89255	1.97436
Mean	**461.98965**	**0.48069**	**11.01051**	**0.48060**	**0.48472**	**14.39298**	**0.48308**	**1.90079**	**1.94537**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	14.38840	0.50399	1.37784	0.46563	1.93007	-0.00146	0.49978	0.49413	-0.00211
#2	14.42202	0.49370	1.38181	0.46653	1.93783	-0.00881	0.49965	0.49377	-0.00280
Mean	**14.40521**	**0.49885**	**1.37982**	**0.46608**	**1.93395**	**-0.00513**	**0.49972**	**0.49395**	**-0.00245**

	Pb	Se
	calc	calc
#1	0.47850	1.91394
#2	0.48820	1.94712
Mean	**0.48335**	**1.93053**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:37

SampleId1 : 1705158-1MSD **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 14:06:58
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	-0.00011	2.07816	0.97138	3.34140	9.52528	0.04852	0.00988	41.48579	0.04816
#2	-0.00009	2.05468	0.96538	3.32136	9.49400	0.04855	0.00393	41.48859	0.04818
Mean	**-0.00010**	**2.06642**	**0.96838**	**3.33138**	**9.50964**	**0.04853**	**0.00690**	**41.48719**	**0.04817**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48217	0.19611	0.26111	1.03328	51.20682	0.91372	37.80666	0.52553	0.97983
#2	0.48110	0.19517	0.25881	1.03082	50.92031	0.90802	37.74800	0.52540	0.97460
Mean	**0.48164**	**0.19564**	**0.25996**	**1.03205**	**51.06357**	**0.91087**	**37.77733**	**0.52547**	**0.97722**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	453.35410	0.48589	10.53694	0.48295	0.49380	14.64187	0.48813	1.92098	1.91206
#2	446.87245	0.48039	10.74733	0.48625	0.50323	14.71156	0.48829	1.93229	1.99671
Mean	**450.11327**	**0.48314**	**10.64213**	**0.48460**	**0.49852**	**14.67671**	**0.48821**	**1.92663**	**1.95439**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	14.68692	0.51342	1.40071	0.47062	1.97561	-0.00392	0.50489	0.49617	-0.00281
#2	14.59494	0.51427	1.39411	0.47274	1.97417	-0.03700	0.50489	0.49580	-0.00294
Mean	**14.64093**	**0.51384**	**1.39741**	**0.47168**	**1.97489**	**-0.02046**	**0.50489**	**0.49599**	**-0.00287**

	Pb	Se
	calc	calc
#1	0.49019	1.91503
#2	0.49758	1.97525
Mean	**0.49388**	**1.94514**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:37
SampleId1 : CCV **SampleId2 :** **[CV]**
Analysis commenced : 5/25/2017 14:08:13
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	0.20396	52.27618	0.50055	1.03679	1.02813	0.51194	0.52097	50.88413	0.49509
#2	0.20234	52.66507	0.50188	1.03691	1.03540	0.51212	0.50301	50.79162	0.49227
Mean	**0.20315**	**52.47063**	**0.50121**	**1.03685**	**1.03176**	**0.51203**	**0.51199**	**50.83787**	**0.49368**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49348	1.02780	1.00953	20.75833	51.95207	0.51203	52.71485	1.03216	1.02724
#2	0.49283	1.02366	1.01271	20.77921	52.34019	0.51647	52.79910	1.03216	1.02616
Mean	**0.49315**	**1.02573**	**1.01112**	**20.76877**	**52.14613**	**0.51425**	**52.75698**	**1.03216**	**1.02670**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	48.49020	1.01066	5.31386	1.01017	1.03531	5.07525	0.49987	0.99382	1.02502
#2	48.99219	1.00394	5.41762	1.00242	1.05447	5.15530	0.49767	1.01509	1.04734
Mean	**48.74119**	**1.00730**	**5.36574**	**1.00629**	**1.04489**	**5.11528**	**0.49877**	**1.00446**	**1.03618**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.03632	1.03156	0.51430	0.50552	0.50910	5.05035	0.51198	1.02995	1.02450
#2	5.06023	1.01658	0.51731	0.50834	0.49803	5.06616	0.51136	1.01690	1.02672
Mean	**5.04827**	**1.02407**	**0.51580**	**0.50693**	**0.50357**	**5.05825**	**0.51167**	**1.02342**	**1.02561**

	Pb	**Se**
	calc	calc
#1	1.02694	1.01463
#2	1.03714	1.03660
Mean	**1.03204**	**1.02562**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:37
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 5/25/2017 14:09:21
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	-0.00012	-0.02635	0.00305	0.00635	0.00091	-0.00019	-0.00321	0.03823	-0.00001
#2	0.00069	-0.02029	0.00238	0.00624	0.00084	-0.00020	0.00031	0.03976	0.00048
Mean	**0.00029**	**-0.02332**	**0.00272**	**0.00630**	**0.00087**	**-0.00020**	**-0.00145**	**0.03899**	**0.00023**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00035	0.00078	0.00062	0.01059	0.22272	0.00353	0.02493	0.00055	-0.00064
#2	0.00050	0.00056	0.00115	0.01092	0.24126	0.00355	0.03303	0.00055	0.00036
Mean	**0.00008**	**0.00067**	**0.00089**	**0.01076**	**0.23199**	**0.00354**	**0.02898**	**0.00055**	**-0.00014**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.14478	-0.00054	-0.04313	-0.00463	-0.00015	-0.01517	0.00146	-0.00355	0.00516
#2	0.14036	0.00078	-0.04313	0.00025	-0.00147	-0.02019	-0.00038	-0.00100	0.00017
Mean	**0.14257**	**0.00012**	**-0.04313**	**-0.00219**	**-0.00081**	**-0.01768**	**0.00054**	**-0.00227**	**0.00267**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	0.00002	0.00007	-0.00070	0.00043	-0.00102	-0.01389	0.00015	-0.00036	0.00064
#2	0.00207	0.00308	-0.00060	0.00009	0.00204	-0.01267	0.00039	-0.00004	0.00091
Mean	**0.00105**	**0.00158**	**-0.00065**	**0.00026**	**0.00051**	**-0.01328**	**0.00027**	**-0.00020**	**0.00078**

	Pb	**Se**
	calc	calc
#1	-0.00164	0.00226
#2	-0.00090	-0.00022
Mean	**-0.00127**	**0.00102**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:37
SampleId1 : 1705177-1 10X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:10:29
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE81

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00039	-0.01285	0.00372	1.40878	0.00268	-0.00025	-0.00237	73.60629	-0.00038
#2	0.00018	-0.01870	-0.00028	1.40810	0.00275	-0.00026	-0.00237	73.85100	0.00040
Mean	**0.00029**	**-0.01577**	**0.00172**	**1.40844**	**0.00272**	**-0.00026**	**-0.00237**	**73.72864**	**0.00001**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00015	0.00153	0.16586	0.01402	25.59014	0.47320	24.90459	0.00821	-0.00214
#2	-0.00025	0.00034	0.16443	0.01418	25.57519	0.47201	24.91479	0.00808	0.00077
Mean	**-0.00020**	**0.00093**	**0.16515**	**0.01410**	**25.58267**	**0.47261**	**24.90969**	**0.00814**	**-0.00068**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	493.76099	0.00971	0.05917	0.00648	0.00723	127.21788	-0.00144	-0.01091	0.00219
#2	489.88050	0.01107	0.05917	0.00610	0.00572	127.70724	-0.00161	-0.00250	0.00506
Mean	**491.82074**	**0.01039**	**0.05917**	**0.00629**	**0.00648**	**127.46256**	**-0.00153**	**-0.00670**	**0.00362**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.38202	0.00136	2.11253	-0.00050	-0.00022	-0.01757	0.00015	0.30112	0.00074
#2	1.38110	0.00179	2.10966	0.00029	0.00736	-0.00899	0.00058	0.30437	0.00043
Mean	**1.38156**	**0.00158**	**2.11110**	**-0.00011**	**0.00357**	**-0.01328**	**0.00036**	**0.30275**	**0.00059**

	Pb	**Se**
	calc	calc
#1	0.00698	-0.00217
#2	0.00585	0.00254
Mean	**0.00641**	**0.00018**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:38
SampleId1 : 1705177-2 10X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:11:32

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	-0.00012	-0.02531	0.00465	1.40764	0.00249	-0.00029	-0.00260	73.64514	0.00002
#2	-0.00091	-0.02733	-0.00015	1.40458	0.00236	-0.00030	-0.00828	73.60587	-0.00009
Mean	**-0.00052**	**-0.02632**	**0.00225**	**1.40611**	**0.00242**	**-0.00030**	**-0.00544**	**73.62551**	**-0.00003**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00044	0.00034	0.03531	0.00750	25.51385	0.47110	24.86925	0.00727	-0.00089
#2	-0.00081	0.00005	0.03568	0.00636	25.48241	0.47074	24.86721	0.00727	0.00019
Mean	**-0.00062**	**0.00019**	**0.03550**	**0.00693**	**25.49813**	**0.47092**	**24.86823**	**0.00727**	**-0.00035**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	479.95922	0.00233	0.05917	0.00072	0.00313	126.56982	-0.00122	-0.00024	0.00463
#2	477.65558	0.00078	0.05917	-0.00193	0.00370	126.81229	-0.00079	-0.00146	0.00166
Mean	**478.80740**	**0.00156**	**0.05917**	**-0.00060**	**0.00342**	**126.69106**	**-0.00100**	**-0.00085**	**0.00315**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.36847	0.00480	2.10298	0.00007	-0.00181	-0.00286	-0.00029	0.09671	-0.00017
#2	1.37034	-0.00121	2.10325	-0.00002	0.00429	-0.02369	-0.00029	0.09768	-0.00046
Mean	**1.36941**	**0.00179**	**2.10312**	**0.00003**	**0.00124**	**-0.01327**	**-0.00029**	**0.09719**	**-0.00031**

	Pb	Se
	calc	calc
#1	0.00233	0.00301
#2	0.00183	0.00062
Mean	**0.00208**	**0.00182**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:38
SampleId1 : 1705177-3 10X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:12:34
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	-0.00011	-0.02797	0.00332	0.50486	0.01164	-0.00024	-0.00483	84.94500	-0.00038
#2	-0.00022	-0.02548	-0.00082	0.49723	0.01158	-0.00028	-0.00077	85.00392	-0.00011
Mean	**-0.00016**	**-0.02672**	**0.00125**	**0.50104**	**0.01161**	**-0.00026**	**-0.00280**	**84.97446**	**-0.00024**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00061	0.00052	0.00169	0.31402	17.48577	1.07132	14.05745	0.01748	-0.00114

#2	0.00098	0.00122	0.00151	0.31549	17.41476	1.06602	14.06152	0.01748	-0.00131
Mean	**0.00019**	**0.00087**	**0.00160**	**0.31476**	**17.45026**	**1.06867**	**14.05948**	**0.01748**	**-0.00122**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	360.95897	-0.00013	0.16149	0.00199	0.00417	55.79984	-0.00081	0.00621	0.00202
#2	362.23817	0.00137	0.16149	-0.00029	0.00098	55.59553	0.00001	0.00531	0.00276
Mean	**361.59857**	**0.00062**	**0.16149**	**0.00085**	**0.00258**	**55.69768**	**-0.00040**	**0.00576**	**0.00239**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.76020	0.00007	2.54570	-0.00007	0.00264	-0.01788	0.00053	0.03761	-0.00028
#2	1.76132	0.00222	2.53059	-0.00025	-0.00240	-0.00930	0.00016	0.03830	0.00012
Mean	**1.76076**	**0.00115**	**2.53814**	**-0.00016**	**0.00012**	**-0.01359**	**0.00034**	**0.03795**	**-0.00008**

	Pb	**Se**
	calc	calc
#1	0.00344	0.00341
#2	0.00056	0.00361
Mean	**0.00200**	**0.00351**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:38
SampleId1 : 1705202-1 10X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:13:37
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	-0.00001	0.04735	0.00198	1.43487	1.60714	-0.00020	0.00311	11.64982	0.00056
#2	-0.00111	0.03742	0.00332	1.43839	1.60244	-0.00025	0.00230	11.63665	-0.00012
Mean	**-0.00056**	**0.04238**	**0.00265**	**1.43663**	**1.60479**	**-0.00023**	**0.00270**	**11.64323**	**0.00022**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00293	0.03823	0.05685	7.93011	4.98876	0.11399	2.58936	0.12711	0.00735
#2	0.00161	0.03780	0.05632	7.92449	4.97365	0.11357	2.58261	0.12738	0.00677
Mean	**0.00227**	**0.03802**	**0.05658**	**7.92730**	**4.98120**	**0.11378**	**2.58598**	**0.12724**	**0.00706**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	387.99042	0.09604	0.26385	-0.00267	0.00365	1.74501	-0.00462	-0.00851	0.00248
#2	388.38035	0.09458	0.05917	-0.00201	0.00552	1.72997	-0.00380	-0.01272	0.00025
Mean	**388.18538**	**0.09531**	**0.16151**	**-0.00234**	**0.00458**	**1.73749**	**-0.00421**	**-0.01062**	**0.00136**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.28982	0.00393	1.02009	0.00257	-0.00035	-0.01964	0.00436	0.03563	-0.00031
#2	1.28426	-0.00079	1.01693	0.00248	0.00151	-0.02453	0.00411	0.03363	-0.00066

Mean	**1.28704**	**0.00157**	**1.01851**	**0.00253**	**0.00058**	**-0.02208**	**0.00423**	**0.03463**	**-0.00048**

	Pb	Se
	calc	calc
#1	0.00155	-0.00118
#2	0.00301	-0.00407
Mean	**0.00228**	**-0.00263**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:38
SampleId1 : 1705203-1 10X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 14:14:40
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	-0.02244	0.00212	1.31220	0.65726	-0.00029	0.00031	0.87046	0.00025
#2	0.00009	-0.03555	-0.00082	1.31164	0.66135	-0.00032	-0.00402	0.86740	-0.00037
Mean	**-0.00001**	**-0.02900**	**0.00065**	**1.31192**	**0.65930**	**-0.00031**	**-0.00186**	**0.86893**	**-0.00006**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00039	0.00052	0.00115	1.30894	10.30886	0.08080	1.08072	0.03843	-0.00106
#2	-0.00045	-0.00026	0.00062	1.30812	10.38692	0.08153	1.06857	0.03843	-0.00264
Mean	**-0.00003**	**0.00013**	**0.00089**	**1.30853**	**10.34789**	**0.08116**	**1.07465**	**0.03843**	**-0.00185**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	341.58261	0.00037	-0.24764	0.00163	-0.00010	0.28583	-0.00163	0.00066	-0.00093
#2	340.33764	0.00051	-0.34986	-0.00326	0.00297	0.29085	-0.00246	0.00245	0.00140
Mean	**340.96012**	**0.00044**	**-0.29875**	**-0.00082**	**0.00144**	**0.28834**	**-0.00205**	**0.00155**	**0.00024**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.93835	0.00308	0.46739	0.00029	0.00343	-0.00788	0.00059	0.00161	0.00025
#2	0.94206	0.00351	0.46936	-0.00014	0.00090	-0.02136	-0.00090	0.00025	-0.00035
Mean	**0.94020**	**0.00329**	**0.46837**	**0.00007**	**0.00217**	**-0.01462**	**-0.00016**	**0.00093**	**-0.00005**

	Pb	Se
	calc	calc
#1	0.00047	-0.00040
#2	0.00090	0.00175
Mean	**0.00069**	**0.00067**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:38
SampleId1 : 1705212-1 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 14:15:43
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE86

Final concentrations **8:52 User: STEVE WORKMAN**

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00018	0.84372	0.00252	0.01035	0.02040	-0.00036	0.00470	2.05017	0.00017
#2	0.00009	0.82830	0.00478	0.00966	0.02053	-0.00039	-0.00395	2.05056	0.00028
Mean	**0.00013**	**0.83601**	**0.00365**	**0.01000**	**0.02047**	**-0.00038**	**0.00038**	**2.05037**	**0.00022**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00029	0.00169	0.00310	0.89692	0.78101	0.00457	0.38673	0.02218	-0.00139
#2	-0.00065	0.00166	0.00204	0.90135	0.79004	0.00456	0.38403	0.02218	-0.00047
Mean	**-0.00018**	**0.00167**	**0.00257**	**0.89913**	**0.78552**	**0.00456**	**0.38538**	**0.02218**	**-0.00093**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.65113	0.00333	-0.14540	0.00004	0.00514	0.36108	0.00248	-0.00489	0.00082
#2	0.61296	0.00274	-0.14540	-0.00263	0.00204	0.36609	-0.00101	-0.00776	-0.00056
Mean	**0.63204**	**0.00304**	**-0.14540**	**-0.00130**	**0.00359**	**0.36358**	**0.00073**	**-0.00633**	**0.00013**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.99978	0.00348	0.00807	0.02475	-0.00584	-0.00255	0.00352	0.23643	0.00067
#2	2.00201	-0.00296	0.00810	0.02493	-0.01156	-0.01481	0.00383	0.23973	0.00069
Mean	**2.00090**	**0.00026**	**0.00808**	**0.02484**	**-0.00870**	**-0.00868**	**0.00368**	**0.23808**	**0.00068**

	Pb	Se
	calc	calc
#1	0.00344	-0.00108
#2	0.00048	-0.00296
Mean	**0.00196**	**-0.00202**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:39
SampleId1 : 1705212-2 SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:16:46
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	-0.00061	0.79625	0.00212	0.00978	0.02152	-0.00038	-0.00503	2.17509	0.00104
#2	-0.00091	0.79322	-0.00228	0.00886	0.02146	-0.00041	-0.00395	2.17394	0.00013
Mean	**-0.00076**	**0.79473**	**-0.00008**	**0.00932**	**0.02149**	**-0.00040**	**-0.00449**	**2.17452**	**0.00059**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00046	0.00119	0.00347	0.91560	0.76948	0.00440	0.41643	0.02164	-0.00022
#2	-0.00075	0.00132	0.00330	0.91068	0.76447	0.00440	0.40360	0.02164	-0.00230
Mean	**-0.00060**	**0.00125**	**0.00339**	**0.91314**	**0.76698**	**0.00440**	**0.41001**	**0.02164**	**-0.00126**

ted: 5/26/2017 12:48:52 User: STEVE WORKMAN

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.76997	0.00238	0.16149	-0.00161	0.00590	0.35606	0.00023	0.00364	-0.00045
#2	0.76620	0.00251	0.05917	-0.00564	0.00955	0.35606	-0.00432	0.00079	0.00029
Mean	**0.76808**	**0.00244**	**0.11033**	**-0.00362**	**0.00773**	**0.35606**	**-0.00205**	**0.00221**	**-0.00008**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.97492	0.00004	0.00869	0.02550	-0.00585	-0.02953	0.00278	0.23640	0.00025
#2	1.98011	0.00520	0.00869	0.02554	0.00172	-0.03075	0.00210	0.23575	-0.00006
Mean	**1.97751**	**0.00262**	**0.00869**	**0.02552**	**-0.00206**	**-0.03014**	**0.00244**	**0.23608**	**0.00010**

	Pb	Se
	calc	calc
#1	0.00340	0.00091
#2	0.00450	0.00046
Mean	**0.00395**	**0.00068**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:39
SampleId1 : 1705212-3 SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:17:49
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	0.00028	0.34300	0.00518	0.01377	0.02613	-0.00043	-0.00208	1.84597	0.00028
#2	-0.00111	0.33954	-0.00135	0.01217	0.02574	-0.00046	0.00007	1.83793	0.00022
Mean	**-0.00042**	**0.34127**	**0.00192**	**0.01297**	**0.02594**	**-0.00045**	**-0.00101**	**1.84195**	**0.00025**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00099	0.00178	0.00453	0.52461	0.96201	0.00383	0.23080	0.01466	-0.00155
#2	-0.00175	0.00096	0.00276	0.52363	0.94496	0.00377	0.22337	0.01425	-0.00064
Mean	**-0.00137**	**0.00137**	**0.00365**	**0.52412**	**0.95348**	**0.00380**	**0.22709**	**0.01446**	**-0.00110**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.32531	0.00315	0.16149	-0.00103	0.00210	0.32596	-0.00288	0.00201	0.00215
#2	0.32300	0.00128	0.05917	-0.00384	0.00518	0.30590	-0.00142	-0.00056	0.00608
Mean	**0.32415**	**0.00222**	**0.11033**	**-0.00244**	**0.00364**	**0.31593**	**-0.00215**	**0.00073**	**0.00411**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.92564	-0.00380	0.00733	0.01278	0.00045	-0.00584	0.00151	0.29420	0.00065
#2	0.91953	0.00006	0.00729	0.01273	-0.00169	-0.02422	0.00101	0.29053	0.00003
Mean	**0.92258**	**-0.00187**	**0.00731**	**0.01275**	**-0.00062**	**-0.01503**	**0.00126**	**0.29237**	**0.00034**

	Pb	Seser: STEVE WORKMAN
	calc	calc
#1	0.00105	0.00211
#2	0.00218	0.00387
Mean	**0.00162**	**0.00299**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:39
SampleId1 : 1705240-1 10X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:18:52
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	-0.03198	0.00158	0.01331	0.03647	-0.00041	-0.00537	0.40835	-0.00026
#2	-0.00120	-0.03222	-0.00482	0.01251	0.03628	-0.00039	-0.00213	0.40185	-0.00065
Mean	**-0.00075**	**-0.03210**	**-0.00162**	**0.01291**	**0.03638**	**-0.00040**	**-0.00375**	**0.40510**	**-0.00045**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00020	0.00014	0.00134	0.29133	0.39007	0.00991	0.07218	0.00996	-0.00289
#2	-0.00077	-0.00016	0.00134	0.29214	0.37604	0.00985	0.07015	0.00982	-0.00164
Mean	**-0.00048**	**-0.00001**	**0.00134**	**0.29174**	**0.38305**	**0.00988**	**0.07116**	**0.00989**	**-0.00226**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	21.96978	0.01991	-0.04313	-0.00320	-0.00110	-0.00012	-0.00061	0.00169	-0.00191
#2	21.88305	0.01850	-0.04313	-0.00752	0.00348	0.00490	-0.00184	-0.00207	-0.00213
Mean	**21.92642**	**0.01920**	**-0.04313**	**-0.00536**	**0.00119**	**0.00239**	**-0.00123**	**-0.00019**	**-0.00202**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.92573	-0.00036	0.04420	0.00036	-0.00202	-0.02889	-0.00028	0.00589	-0.00011
#2	0.93149	0.00565	0.04431	0.00018	0.00369	-0.03869	-0.00034	0.00488	-0.00048
Mean	**0.92861**	**0.00265**	**0.04425**	**0.00027**	**0.00083**	**-0.03379**	**-0.00031**	**0.00538**	**-0.00030**

	Pb	Se
	calc	calc
#1	-0.00180	-0.00071
#2	-0.00018	-0.00211
Mean	**-0.00099**	**-0.00141**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:39
SampleId1 : 1705242-1 10X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:19:56
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	0.00028	-0.03144	0.00718	0.01183	0.03654	-0.00042	0.00544	0.40950	-0.00015
#2	-0.00021	-0.02871	0.00265	0.01251	0.03661	-0.00040	0.00220	0.41103	-0.00022
Mean	**0.00004**	**-0.03008**	**0.00492**	**0.01217**	**0.03657**	**-0.00041**	**0.00382**	**0.41026**	**-0.00018**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00011	0.00095	0.00151	0.33574	0.42615	0.01004	0.07690	0.01251	-0.00239
#2	-0.00095	0.00092	0.00205	0.33558	0.42815	0.01004	0.07623	0.01264	-0.00297
Mean	**-0.00053**	**0.00093**	**0.00178**	**0.33566**	**0.42715**	**0.01004**	**0.07656**	**0.01258**	**-0.00268**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	22.12823	0.04167	0.05917	-0.00197	0.00176	0.01995	-0.00288	0.00351	0.00446
#2	22.28130	0.04341	-0.04313	-0.00326	0.00453	0.00490	-0.00062	0.00125	0.00011
Mean	**22.20477**	**0.04254**	**0.00802**	**-0.00262**	**0.00314**	**0.01242**	**-0.00175**	**0.00238**	**0.00229**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.93147	0.00351	0.04486	0.00018	0.00146	-0.00687	-0.00021	0.00691	-0.00006
#2	0.93500	0.00480	0.04471	0.00027	0.00159	-0.01913	-0.00052	0.00658	-0.00035
Mean	**0.93324**	**0.00415**	**0.04479**	**0.00022**	**0.00152**	**-0.01300**	**-0.00036**	**0.00675**	**-0.00021**

	Pb	Se
	calc	calc
#1	0.00051	0.00415
#2	0.00194	0.00049
Mean	**0.00123**	**0.00232**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:39
SampleId1 : CCV **SampleId2 :** **[CV]**
Analysis commenced : 5/25/2017 14:21:02
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	0.20145	52.01928	0.50308	1.02997	1.02820	0.51244	0.49763	50.75204	0.49260
#2	0.20088	52.19149	0.50068	1.02043	1.02925	0.51154	0.50030	50.68135	0.48948
Mean	**0.20116**	**52.10538**	**0.50188**	**1.02520**	**1.02873**	**0.51199**	**0.49897**	**50.71669**	**0.49104**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49385	1.02383	1.00387	20.71694	51.66372	0.50947	52.60252	1.03162	1.02591
#2	0.49067	1.02382	1.00371	20.72184	51.74110	0.51068	52.62375	1.03081	1.02400
Mean	**0.49226**	**1.02382**	**1.00379**	**20.71939**	**51.70241**	**0.51008**	**52.61314**	**1.03121**	**1.02495**

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

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.10467	0.99894	5.41762	1.00587	1.03002	5.06024	0.49646	1.00364	1.02036
#2	50.26767	0.99849	5.41762	1.00477	1.04494	5.06024	0.49463	1.00722	1.04120
Mean	**50.18617**	**0.99872**	**5.41762**	**1.00532**	**1.03748**	**5.06024**	**0.49554**	**1.00543**	**1.03078**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.01309	1.00332	0.51299	0.50764	0.49445	5.06988	0.51252	1.03142	1.02347
#2	5.02441	1.01016	0.51297	0.50843	0.49654	5.02968	0.51055	1.02812	1.02231
Mean	**5.01875**	**1.00674**	**0.51298**	**0.50804**	**0.49550**	**5.04978**	**0.51153**	**1.02977**	**1.02289**

	Pb	**Se**
	calc	calc
#1	1.02198	1.01479
#2	1.03156	1.02988
Mean	**1.02677**	**1.02234**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:40
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 5/25/2017 14:22:12
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	-0.01720	-0.00108	0.00339	0.00097	-0.00021	0.00219	0.04129	0.00017
#2	-0.00121	-0.01763	-0.00082	0.00202	0.00097	-0.00022	0.00192	0.04090	-0.00024
Mean	**-0.00092**	**-0.01742**	**-0.00095**	**0.00270**	**0.00097**	**-0.00021**	**0.00206**	**0.04109**	**-0.00004**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00053	-0.00001	0.00062	0.01206	0.23124	0.00358	0.02763	0.00055	0.00036
#2	-0.00100	0.00009	0.00063	0.01027	0.21520	0.00355	0.02965	0.00055	-0.00031
Mean	**-0.00077**	**0.00004**	**0.00062**	**0.01116**	**0.22322**	**0.00356**	**0.02864**	**0.00055**	**0.00003**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.12757	0.00069	-0.04313	-0.00410	0.00398	-0.01517	0.00127	0.00591	-0.00174
#2	0.12776	0.00069	0.05917	-0.00609	0.00221	0.00991	-0.00224	-0.01378	0.00559
Mean	**0.12767**	**0.00069**	**0.00802**	**-0.00509**	**0.00310**	**-0.00263**	**-0.00049**	**-0.00393**	**0.00193**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00096	0.00093	-0.00062	0.00011	0.00058	-0.01022	-0.00004	-0.00039	0.00049
#2	-0.00182	0.00093	-0.00066	-0.00014	-0.00103	-0.02859	-0.00047	-0.00105	0.00015
Mean	**-0.00043**	**0.00093**	**-0.00064**	**-0.00002**	**-0.00023**	**-0.01941**	**-0.00026**	**-0.00072**	**0.00032**

	Pb	**Se**
	calc	calc

#1	0.00129	0.00081	**ser: STEVE WORKMAN**
#2	-0.00056	-0.00086	
Mean	**0.00037**	**-0.00003**	

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:40
SampleId1 : 1705243-1 10X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:23:19
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	-0.00051	-0.03484	-0.00068	0.06431	0.17397	-0.00035	-0.00050	0.77672	0.00001
#2	0.00038	-0.03271	-0.00135	0.06295	0.17344	-0.00036	-0.00508	0.77786	-0.00026
Mean	**-0.00007**	**-0.03378**	**-0.00102**	**0.06363**	**0.17371**	**-0.00036**	**-0.00279**	**0.77729**	**-0.00012**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00029	0.00039	0.00454	0.15800	0.50332	0.06178	0.14372	0.00902	-0.00056
#2	0.00037	0.00060	0.00524	0.15653	0.51736	0.06139	0.14912	0.00902	-0.00164
Mean	**0.00004**	**0.00049**	**0.00489**	**0.15727**	**0.51034**	**0.06159**	**0.14642**	**0.00902**	**-0.00110**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	68.09462	0.00525	0.05917	-0.00678	0.00382	-0.00012	0.00208	-0.00656	0.00115
#2	67.62742	0.00588	0.05917	-0.00126	0.00018	-0.00012	0.00166	0.00217	-0.00055
Mean	**67.86102**	**0.00556**	**0.05917**	**-0.00402**	**0.00200**	**-0.00012**	**0.00187**	**-0.00220**	**0.00030**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.20426	0.00265	0.14191	0.00025	0.00300	-0.02262	-0.00075	0.00656	-0.00002
#2	1.19701	0.00437	0.14156	0.00034	0.00554	0.00311	-0.00007	0.00624	0.00047
Mean	**1.20063**	**0.00351**	**0.14174**	**0.00030**	**0.00427**	**-0.00975**	**-0.00041**	**0.00640**	**0.00022**

	Pb	**Se**
	calc	calc
#1	0.00029	-0.00142
#2	-0.00030	0.00036
Mean	**-0.00001**	**-0.00053**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:40
SampleId1 : 1705369-1 10X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:24:22
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	-0.00132	-0.03006	0.00052	0.76210	0.00492	-0.00031	-0.00267	2.97983	0.00016
#2	0.00029	-0.02994	0.00118	0.75516	0.00512	-0.00033	-0.00266	2.97753	0.00036
Mean	**-0.00052**	**-0.03000**	**0.00085**	**0.75863**	**0.00502**	**-0.00032**	**-0.00267**	**2.97868**	**0.00026**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00006	0.00043	0.00044	1.30352	10.15582	0.88669	0.30842	0.02688	-0.00222
#2	0.00004	0.00038	0.00062	1.30188	10.06360	0.87856	0.30910	0.02688	-0.00089
Mean	**-0.00001**	**0.00041**	**0.00053**	**1.30270**	**10.10971**	**0.88262**	**0.30876**	**0.02688**	**-0.00155**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	197.53962	-0.00172	-0.04313	-0.00065	0.00590	76.55737	0.00413	-0.01001	-0.00030
#2	196.06055	-0.00058	-0.04313	0.00047	0.00098	76.34108	-0.00389	0.00081	-0.00199
Mean	**196.80009**	**-0.00115**	**-0.04313**	**-0.00009**	**0.00344**	**76.44923**	**0.00012**	**-0.00460**	**-0.00115**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.58519	-0.00293	0.34236	-0.00052	-0.00202	-0.01155	0.00028	0.00227	-0.00040
#2	3.55234	0.00007	0.34019	0.00038	-0.00082	-0.00787	-0.00096	0.00127	-0.00044
Mean	**3.56876**	**-0.00143**	**0.34128**	**-0.00007**	**-0.00142**	**-0.00971**	**-0.00034**	**0.00177**	**-0.00042**

	Pb	**Se**
	calc	calc
#1	0.00372	-0.00353
#2	0.00081	-0.00106
Mean	**0.00226**	**-0.00230**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:40
SampleId1 : 1705369-3 10X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 14:25:23
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	-0.00011	-0.02881	-0.00095	2.20591	0.08390	-0.00027	0.00273	2.05554	-0.00004
#2	0.00038	-0.02603	0.00212	2.19302	0.08364	-0.00033	0.00301	2.06090	-0.00037
Mean	**0.00014**	**-0.02742**	**0.00058**	**2.19946**	**0.08377**	**-0.00030**	**0.00287**	**2.05822**	**-0.00020**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00060	0.00092	0.00045	7.63925	2.53089	0.12676	0.45625	0.10131	-0.00214
#2	0.00024	0.00130	0.00132	7.64538	2.52386	0.12612	0.45895	0.10158	-0.00139
Mean	**-0.00018**	**0.00111**	**0.00089**	**7.64232**	**2.52737**	**0.12644**	**0.45760**	**0.10144**	**-0.00176**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	301.17939	0.00215	0.05917	-0.00851	0.00268	1.21863	-0.00020	-0.00626	0.00223

#2	300.00274	0.00078	0.05917	0.00256	-0.00065	1.23869	-0.00205	0.00743	-0.00032
Mean	**300.59107**	**0.00147**	**0.05917**	**-0.00298**	**0.00101**	**1.22866**	**-0.00112**	**0.00058**	**0.00095**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.23266	0.00394	0.20425	0.00007	-0.00096	-0.02301	-0.00053	0.00229	-0.00028
#2	2.22635	0.00308	0.20304	0.00011	-0.00387	-0.00096	0.00028	0.00131	-0.00035
Mean	**2.22951**	**0.00351**	**0.20365**	**0.00009**	**-0.00241**	**-0.01199**	**-0.00013**	**0.00180**	**-0.00031**

	Pb	**Se**
	calc	calc
#1	-0.00105	-0.00060
#2	0.00042	0.00226
Mean	**-0.00032**	**0.00083**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:40
SampleId1 : 1705376-1 10X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:26:24
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	-0.00042	-0.02775	0.00118	3.03909	0.01013	-0.00029	-0.00483	0.92633	-0.00021
#2	0.00080	-0.02879	0.00332	3.03109	0.01019	-0.00028	0.00219	0.93015	0.00027
Mean	**0.00019**	**-0.02827**	**0.00225**	**3.03509**	**0.01016**	**-0.00029**	**-0.00132**	**0.92824**	**0.00003**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00099	0.00008	0.00062	0.06830	1.81235	0.08623	0.21257	0.00794	-0.00097
#2	-0.00033	0.00035	0.00098	0.06944	1.81134	0.08610	0.22000	0.00781	-0.00247
Mean	**-0.00066**	**0.00022**	**0.00080**	**0.06887**	**1.81184**	**0.08617**	**0.21629**	**0.00787**	**-0.00172**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	238.71769	0.00037	0.26385	-0.00397	0.00110	14.09427	-0.00183	0.00021	0.00039
#2	238.42182	-0.00081	0.26385	-0.00084	0.00142	14.10423	-0.00308	-0.00611	-0.00460
Mean	**238.56976**	**-0.00022**	**0.26385**	**-0.00241**	**0.00126**	**14.09925**	**-0.00246**	**-0.00295**	**-0.00210**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.50694	-0.00164	0.09130	0.00022	-0.00685	-0.01027	-0.00040	0.00126	-0.00062
#2	2.50546	-0.00121	0.09121	0.00022	-0.00101	-0.02253	-0.00071	0.00127	-0.00024
Mean	**2.50620**	**-0.00143**	**0.09125**	**0.00022**	**-0.00393**	**-0.01640**	**-0.00055**	**0.00127**	**-0.00043**

	Pb	**Se**
	calc	calc
#1	-0.00059	0.00033
#2	0.00066	-0.00510

Mean 0.00004 -0.00239ser: STEVE WORKMAN

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:41
SampleId1 : Z SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:27:26
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	0.00028	-0.03597	0.00798	0.00533	0.00064	-0.00037	0.00489	0.03555	0.00013
#2	0.00008	-0.03524	0.00438	0.00533	0.00071	-0.00036	-0.00347	0.03517	0.00041
Mean	**0.00018**	**-0.03560**	**0.00618**	**0.00533**	**0.00068**	**-0.00037**	**0.00071**	**0.03536**	**0.00027**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00022	-0.00032	0.00044	0.00261	0.20969	0.00350	0.00535	0.00525	-0.00230
#2	-0.00053	-0.00053	0.00079	0.00326	0.20168	0.00350	0.00738	0.00525	-0.00072
Mean	**-0.00016**	**-0.00042**	**0.00062**	**0.00293**	**0.20569**	**0.00350**	**0.00637**	**0.00525**	**-0.00151**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.28929	0.00092	-0.04313	-0.00272	0.00151	-0.00012	-0.00143	0.00397	0.00272
#2	0.27504	0.00156	-0.04313	-0.00245	0.00278	-0.00514	0.00023	0.00036	0.00644
Mean	**0.28217**	**0.00124**	**-0.04313**	**-0.00258**	**0.00215**	**-0.00263**	**-0.00060**	**0.00216**	**0.00458**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00002	0.00265	0.00063	-0.00009	-0.00035	-0.00653	-0.00011	0.00058	0.00004
#2	0.00244	-0.00250	0.00065	0.00005	-0.00460	-0.00776	-0.00054	0.00123	-0.00013
Mean	**0.00123**	**0.00007**	**0.00064**	**-0.00002**	**-0.00248**	**-0.00714**	**-0.00032**	**0.00091**	**-0.00005**

	Pb	Se
	calc	calc
#1	0.00011	0.00313
#2	0.00104	0.00441
Mean	**0.00057**	**0.00377**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:41
SampleId1 : 1705376-5 10X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:28:27
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	0.00059	-0.02180	0.00385	2.31660	0.03522	-0.00031	0.00193	1.07673	-0.00025
#2	-0.00092	-0.02182	-0.00028	2.32485	0.03516	-0.00025	-0.00429	1.07060	-0.00019

Mean	**-0.00016**	**-0.02181**	**0.00178**	**2.32073**	**0.03519**	**-0.00028**	**-0.00118**	**1.07366**	**-0.00022**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00121	0.00004	0.00186	0.14479	2.15874	0.11375	0.22742	0.01425	-0.00031
#2	-0.00077	-0.00066	0.00062	0.14430	2.15874	0.11434	0.22405	0.01412	-0.00214
Mean	**0.00022**	**-0.00031**	**0.00124**	**0.14454**	**2.15874**	**0.11405**	**0.22574**	**0.01419**	**-0.00122**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	287.28482	0.00055	0.05917	0.00183	-0.00231	0.93282	0.00167	0.00666	-0.00246
#2	286.69407	-0.00113	-0.04313	-0.00655	0.00255	0.96291	-0.00349	-0.01031	-0.00151
Mean	**286.98945**	**-0.00029**	**0.00802**	**-0.00236**	**0.00012**	**0.94787**	**-0.00091**	**-0.00182**	**-0.00199**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.56244	0.00179	0.12112	0.00013	-0.00497	-0.01280	0.00036	0.00027	-0.00037
#2	2.56447	-0.00035	0.12160	-0.00007	0.00340	-0.01525	-0.00075	0.00024	-0.00083
Mean	**2.56345**	**0.00072**	**0.12136**	**0.00003**	**-0.00078**	**-0.01403**	**-0.00019**	**0.00025**	**-0.00060**

	Pb	Se
	calc	calc
#1	-0.00093	0.00058
#2	-0.00048	-0.00444
Mean	**-0.00071**	**-0.00193**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:41
SampleId1 : 1705376-7 10X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 14:29:28
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	0.00019	-0.02165	0.00612	2.33378	0.03397	-0.00027	0.00084	1.08400	-0.00024
#2	0.00068	-0.02156	0.00118	2.33017	0.03384	-0.00026	0.00436	1.08247	0.00013
Mean	**0.00044**	**-0.02161**	**0.00365**	**2.33197**	**0.03391**	**-0.00027**	**0.00260**	**1.08323**	**-0.00006**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00002	-0.00018	0.00079	0.16958	2.08443	0.11455	0.22135	0.01278	-0.00197
#2	0.00036	0.00104	0.00097	0.17024	2.09045	0.11414	0.23417	0.01291	-0.00214
Mean	**0.00017**	**0.00043**	**0.00088**	**0.16991**	**2.08744**	**0.11435**	**0.22776**	**0.01284**	**-0.00205**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	283.44243	0.00101	-0.24764	-0.00322	-0.00154	1.00804	0.00042	-0.00219	0.00051
#2	283.23497	0.00228	-0.04313	0.00170	-0.00131	1.01807	-0.00205	-0.00144	0.00444
Mean	**283.33870**	**0.00165**	**-0.14539**	**-0.00076**	**-0.00142**	**1.01306**	**-0.00081**	**-0.00182**	**0.00248**

ted: 5/26/2017 12:48:53 User: STEVE WORKMAN

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.57356	-0.00078	0.12203	-0.00022	0.00554	-0.00793	-0.00031	0.00092	-0.00088
#2	2.56762	-0.00078	0.12166	0.00005	-0.00203	-0.00425	-0.00037	0.00064	-0.00003
Mean	**2.57059**	**-0.00078**	**0.12184**	**-0.00008**	**0.00175**	**-0.00609**	**-0.00034**	**0.00078**	**-0.00046**

	Pb	Se
	calc	calc
#1	-0.00210	-0.00039
#2	-0.00031	0.00248
Mean	**-0.00120**	**0.00105**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:41
SampleId1 : 1705380-1 10X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:30:29
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	-0.00023	-0.03653	0.00038	1.73318	0.03279	-0.00034	0.00597	309.80390	-0.00005
#2	-0.00040	-0.03363	0.00532	1.73443	0.03292	-0.00034	-0.00214	309.30840	-0.00001
Mean	**-0.00031**	**-0.03508**	**0.00285**	**1.73380**	**0.03285**	**-0.00034**	**0.00192**	**309.55615**	**-0.00003**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00011	0.00042	0.00026	0.45613	71.79506	0.37408	61.37612	0.01278	-0.00289
#2	-0.00039	0.00062	0.00010	0.45401	72.11369	0.37565	61.47842	0.01251	-0.00122
Mean	**-0.00025**	**0.00052**	**0.00018**	**0.45507**	**71.95438**	**0.37487**	**61.42727**	**0.01264**	**-0.00205**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	434.73998	-0.00027	-0.14540	0.00037	0.00048	37.70456	-0.00020	0.00097	0.00012
#2	429.14779	0.00019	-0.04313	0.00221	-0.00079	37.81758	-0.00060	0.00229	-0.00635
Mean	**431.94389**	**-0.00004**	**-0.09427**	**0.00129**	**-0.00015**	**37.76107**	**-0.00040**	**0.00163**	**-0.00311**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.40763	0.00265	11.86253	-0.00155	-0.00130	0.00158	0.00019	0.00061	-0.00006
#2	1.41062	-0.00679	11.87174	-0.00157	0.00373	-0.03396	0.00013	0.00062	-0.00055
Mean	**1.40912**	**-0.00207**	**11.86713**	**-0.00156**	**0.00122**	**-0.01619**	**0.00016**	**0.00062**	**-0.00031**

	Pb	Se
	calc	calc
#1	0.00045	0.00041
#2	0.00021	-0.00347
Mean	**0.00033**	**-0.00153**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:41
SampleId1 : 1705095-1 1000X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:40:08
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	0.00098	-0.02223	0.00185	0.02872	0.00980	-0.00021	0.00085	16.35086	-0.00006
#2	0.00099	-0.02478	-0.00002	0.02929	0.00947	-0.00024	0.00301	16.52648	0.00021
Mean	**0.00099**	**-0.02350**	**0.00092**	**0.02900**	**0.00963**	**-0.00022**	**0.00193**	**16.43867**	**0.00008**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00079	0.00125	0.00168	0.05966	1.51426	0.03703	2.13346	0.02205	-0.00064
#2	-0.00024	-0.00014	0.00097	0.05966	1.48967	0.03679	2.15237	0.01936	-0.00131
Mean	**0.00028**	**0.00056**	**0.00133**	**0.05966**	**1.50196**	**0.03691**	**2.14292**	**0.02070**	**-0.00097**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	36.09430	0.00142	0.05917	0.00405	0.00139	0.14035	-0.00348	0.00908	-0.00163
#2	35.68636	-0.00008	-0.03713	0.00088	0.00500	0.12530	-0.00039	-0.00430	-0.00173
Mean	**35.89033**	**0.00067**	**0.01102**	**0.00246**	**0.00320**	**0.13283**	**-0.00194**	**0.00239**	**-0.00168**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.03119	0.00093	0.61976	0.00063	-0.00086	0.00076	0.00078	0.00693	0.00053
#2	0.02414	0.00179	0.62500	0.00049	0.00179	-0.01149	0.00009	0.00620	0.00024
Mean	**0.02766**	**0.00136**	**0.62238**	**0.00056**	**0.00046**	**-0.00536**	**0.00044**	**0.00656**	**0.00038**

	Pb	Se
	calc	calc
#1	0.00227	0.00194
#2	0.00363	-0.00259
Mean	**0.00295**	**-0.00032**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:42
SampleId1 : 1705158-1 10X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:41:10
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	-0.00081	-0.01819	-0.00162	0.23800	0.91642	-0.00027	0.00489	0.70402	-0.00031
#2	0.00070	-0.02360	-0.00135	0.23869	0.91266	-0.00031	-0.00051	0.70594	-0.00052
Mean	**-0.00006**	**-0.02089**	**-0.00148**	**0.23835**	**0.91454**	**-0.00029**	**0.00219**	**0.70498**	**-0.00042**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00009	-0.00057	0.00169	0.01777	0.82062	0.03319	0.15992	0.00996	-0.00031
#2	-0.00019	0.00035	0.00080	0.01825	0.83064	0.03316	0.16532	0.01009	-0.00289
Mean	**-0.00005**	**-0.00011**	**0.00125**	**0.01801**	**0.82563**	**0.03318**	**0.16262**	**0.01002**	**-0.00160**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	79.99909	-0.00008	0.05917	-0.00219	0.00442	0.45136	-0.00079	0.00425	0.00219
#2	79.75405	0.00124	-0.03713	-0.00154	0.00466	0.43130	-0.00185	0.00350	0.00559
Mean	**79.87657**	**0.00058**	**0.01102**	**-0.00186**	**0.00454**	**0.44133**	**-0.00132**	**0.00387**	**0.00389**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.44642	0.00394	0.09757	0.00034	-0.00726	-0.02002	-0.00016	0.00420	-0.00049
#2	1.44604	0.00136	0.09698	0.00002	0.00070	-0.02615	-0.00066	0.00193	-0.00005
Mean	**1.44623**	**0.00265**	**0.09728**	**0.00018**	**-0.00328**	**-0.02309**	**-0.00041**	**0.00307**	**-0.00027**

	Pb	Se
	calc	calc
#1	0.00222	0.00288
#2	0.00260	0.00489
Mean	**0.00241**	**0.00388**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:42
SampleId1 : CCV **SampleId2 :** **[CV]**
Analysis commenced : 5/25/2017 14:42:31
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	0.19896	51.04857	0.49601	1.00952	1.01413	0.50272	0.49729	49.75284	0.48607
#2	0.19899	51.05125	0.48522	1.01202	1.00812	0.50230	0.49378	49.91991	0.48341
Mean	**0.19898**	**51.04991**	**0.49061**	**1.01077**	**1.01113**	**0.50251**	**0.49554**	**49.83637**	**0.48474**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48310	1.00344	0.99065	20.40438	50.87546	0.50187	51.60745	1.01100	1.00507
#2	0.48468	1.00620	0.98447	20.40039	50.66155	0.49946	51.61498	1.01073	1.00590
Mean	**0.48389**	**1.00482**	**0.98756**	**20.40238**	**50.76850**	**0.50066**	**51.61122**	**1.01086**	**1.00549**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.37563	0.99045	5.10562	0.98337	1.01873	5.05023	0.49254	0.99090	1.00700
#2	49.35205	0.98450	5.00786	0.99228	1.03301	4.94516	0.48407	0.98636	1.03005
Mean	**49.36384**	**0.98747**	**5.05674**	**0.98782**	**1.02587**	**4.99770**	**0.48831**	**0.98863**	**1.01852**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.91452	0.99648	0.50535	0.49711	0.50000	4.99347	0.50564	0.99820	1.00704
#2	4.91770	1.00675	0.50215	0.49585	0.49642	4.97276	0.50324	1.00888	1.00413
Mean	**4.91611**	**1.00162**	**0.50375**	**0.49648**	**0.49821**	**4.98312**	**0.50444**	**1.00354**	**1.00558**

	Pb	**Se**
	calc	calc
#1	1.00695	1.00164
#2	1.01945	1.01550
Mean	**1.01320**	**1.00857**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:42
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 5/25/2017 14:43:39
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	-0.00072	-0.01048	0.00305	0.00179	0.00097	-0.00010	-0.00051	0.04281	0.00027
#2	0.00029	-0.00691	-0.00348	0.00087	0.00097	-0.00015	0.00003	0.04281	0.00027
Mean	**-0.00021**	**-0.00870**	**-0.00022**	**0.00133**	**0.00097**	**-0.00013**	**-0.00024**	**0.04281**	**0.00027**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00025	-0.00005	-0.00009	0.01239	0.20218	0.00347	0.02560	0.00042	-0.00155
#2	-0.00025	0.00000	0.00062	0.01157	0.20869	0.00348	0.03370	0.00055	-0.00014
Mean	**-0.00025**	**-0.00002**	**0.00027**	**0.01198**	**0.20544**	**0.00347**	**0.02965**	**0.00049**	**-0.00085**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.12488	-0.00054	0.05917	-0.00460	0.00261	-0.00514	-0.00390	-0.00325	0.00357
#2	0.12392	0.00160	0.05917	-0.00414	0.00526	0.00991	-0.00471	-0.00491	0.00039
Mean	**0.12440**	**0.00053**	**0.05917**	**-0.00437**	**0.00393**	**0.00239**	**-0.00430**	**-0.00408**	**0.00198**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00128	0.00050	-0.00066	0.00036	0.00496	-0.01389	-0.00016	-0.00007	0.00011
#2	-0.00220	0.00136	-0.00059	0.00005	-0.00248	-0.02124	0.00052	0.00126	0.00049
Mean	**-0.00174**	**0.00093**	**-0.00062**	**0.00021**	**0.00124**	**-0.01757**	**0.00018**	**0.00060**	**0.00030**

	Pb	**Se**
	calc	calc
#1	0.00021	0.00130
#2	0.00213	-0.00138
Mean	**0.00117**	**-0.00004**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:42
SampleId1 : 1705158-1D 10X **SampleId2 :** **[SAMPLE]**

Analysis commenced : 5/25/2017 14:44:46 WORKMAN
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	-0.00020	-0.02069	-0.00375	0.24576	0.94045	-0.00027	-0.00159	0.68451	-0.00022
#2	0.00039	-0.02175	0.00092	0.24633	0.93121	-0.00032	-0.00428	0.68222	0.00016
Mean	**0.00009**	**-0.02122**	**-0.00142**	**0.24604**	**0.93583**	**-0.00029**	**-0.00294**	**0.68337**	**-0.00003**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00069	-0.00004	0.00152	0.01320	0.84569	0.03409	0.17140	0.00969	0.00028
#2	0.00049	0.00074	0.00097	0.01271	0.86323	0.03376	0.17072	0.00982	-0.00031
Mean	**0.00059**	**0.00035**	**0.00125**	**0.01296**	**0.85446**	**0.03393**	**0.17106**	**0.00975**	**-0.00002**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	82.49829	0.00001	0.05917	-0.00523	0.00491	0.46139	-0.00182	-0.00086	0.00039
#2	81.74041	0.00055	-0.03713	-0.00318	0.00266	0.47644	0.00147	0.00696	-0.00121
Mean	**82.11935**	**0.00028**	**0.01102**	**-0.00420**	**0.00379**	**0.46892**	**-0.00018**	**0.00305**	**-0.00041**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.47760	-0.00250	0.10076	0.00013	-0.00076	-0.02982	-0.00029	0.00125	0.00001
#2	1.47425	-0.00121	0.09978	0.00023	0.00377	-0.01144	-0.00004	0.00129	0.00041
Mean	**1.47592**	**-0.00186**	**0.10027**	**0.00018**	**0.00150**	**-0.02063**	**-0.00016**	**0.00127**	**0.00021**

	Pb	**Se**
	calc	calc
#1	0.00153	-0.00003
#2	0.00072	0.00151
Mean	**0.00113**	**0.00074**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:42
SampleId1 : 1705158-1L 50X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 14:45:49
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	-0.00071	-0.02438	0.00745	0.04617	0.18056	-0.00031	-0.00402	0.18006	0.00018
#2	-0.00032	-0.03525	0.00105	0.04754	0.18016	-0.00033	-0.00294	0.18006	-0.00031
Mean	**-0.00051**	**-0.02982**	**0.00425**	**0.04686**	**0.18036**	**-0.00032**	**-0.00348**	**0.18006**	**-0.00006**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	-0.00019	-0.00026	0.00009	0.00799	0.31992	0.00867	0.03573	0.00848	-0.00280
#2	-0.00075	-0.00058	-0.00010	0.00701	0.33094	0.00867	0.03505	0.00834	-0.00139
Mean	**-0.00047**	**-0.00042**	**0.00000**	**0.00750**	**0.32543**	**0.00867**	**0.03539**	**0.00841**	**-0.00210**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	16.36988	0.00014	-0.03713	-0.00461	0.00184	0.10524	0.00042	-0.00311	0.00336
#2	16.34757	-0.00063	0.05917	-0.00255	0.00266	0.08015	-0.00225	-0.00129	0.00007
Mean	**16.35872**	**-0.00024**	**0.01102**	**-0.00358**	**0.00225**	**0.09269**	**-0.00091**	**-0.00220**	**0.00171**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.28799	0.00093	0.02047	0.00005	0.00150	-0.02737	-0.00072	0.00158	-0.00014
#2	0.28650	0.00136	0.02027	0.00016	0.00071	-0.00776	-0.00004	0.00156	-0.00028
Mean	**0.28724**	**0.00115**	**0.02037**	**0.00011**	**0.00110**	**-0.01756**	**-0.00038**	**0.00157**	**-0.00021**

	Pb	**Se**
	calc	calc
#1	-0.00031	0.00120
#2	0.00092	-0.00039
Mean	**0.00031**	**0.00041**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:43
SampleId1 : 1705158-1MS 10X **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 14:46:50
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	0.00009	0.18755	0.09410	0.33990	1.01327	0.00483	0.00021	4.47509	0.00409
#2	-0.00090	0.18423	0.10036	0.34161	1.01856	0.00486	0.00048	4.49046	0.00428
Mean	**-0.00041**	**0.18589**	**0.09723**	**0.34076**	**1.01592**	**0.00484**	**0.00035**	**4.48277**	**0.00419**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.04987	0.02032	0.02643	0.11184	5.48812	0.08359	4.08783	0.06181	0.09794
#2	0.04959	0.01906	0.02554	0.11200	5.51534	0.08418	4.10337	0.06194	0.09986
Mean	**0.04973**	**0.01969**	**0.02598**	**0.11192**	**5.50173**	**0.08388**	**4.09560**	**0.06188**	**0.09890**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	84.35385	0.05283	1.12031	0.04489	0.05619	1.50440	0.04382	0.19822	0.20330
#2	84.61897	0.05105	1.12031	0.04357	0.05752	1.49939	0.04487	0.19565	0.21486
Mean	**84.48641**	**0.05194**	**1.12031**	**0.04423**	**0.05685**	**1.50189**	**0.04434**	**0.19693**	**0.20908**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.55828	0.04595	0.14767	0.05028	0.19513	-0.02135	0.05280	0.05334	0.00002

#2	1.56887	0.04938	0.14837	0.05023	0.20002	-0.03483	0.05143	0.05328	-0.00038
Mean	**1.56357**	**0.04767**	**0.14802**	**0.05026**	**0.19758**	**-0.02809**	**0.05212**	**0.05331**	**-0.00018**

	Pb	Se
	calc	calc
#1	0.05242	0.20161
#2	0.05288	0.20847
Mean	**0.05265**	**0.20504**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:43
SampleId1 : 1705158-1MSD 10X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:47:53
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	-0.00080	0.19020	0.10330	0.34754	1.02741	0.00494	-0.00087	4.58229	0.00528
#2	-0.00021	0.18980	0.10316	0.34742	1.03183	0.00493	0.00292	4.58575	0.00451
Mean	**-0.00051**	**0.19000**	**0.10323**	**0.34748**	**1.02962**	**0.00493**	**0.00102**	**4.58402**	**0.00490**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.05054	0.02064	0.02590	0.11363	5.58541	0.08501	4.15135	0.06262	0.09819
#2	0.05167	0.02172	0.02678	0.11445	5.57583	0.08513	4.15675	0.06275	0.09869
Mean	**0.05111**	**0.02118**	**0.02634**	**0.11404**	**5.58062**	**0.08507**	**4.15405**	**0.06268**	**0.09844**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	85.31377	0.05101	0.92712	0.04637	0.05639	1.50440	0.04834	0.20391	0.20489
#2	85.18871	0.05133	0.92712	0.04786	0.05643	1.50941	0.05060	0.19476	0.21455
Mean	**85.25124**	**0.05117**	**0.92712**	**0.04711**	**0.05641**	**1.50691**	**0.04947**	**0.19934**	**0.20972**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.58296	0.04852	0.15126	0.05091	0.20599	-0.03605	0.05323	0.05302	-0.00034
#2	1.58425	0.04895	0.15132	0.05151	0.20706	-0.02012	0.05416	0.05538	-0.00032
Mean	**1.58360**	**0.04874**	**0.15129**	**0.05121**	**0.20652**	**-0.02809**	**0.05370**	**0.05420**	**-0.00033**

	Pb	Se
	calc	calc
#1	0.05305	0.20457
#2	0.05357	0.20796
Mean	**0.05331**	**0.20626**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:43
SampleId1 : 1705177-1 100X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:48:54
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE15

ted: 5/26/2017 12:48:53 User: STEVE WORKMAN

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00059	-0.02867	0.00052	0.14245	0.00156	-0.00028	-0.00075	7.79021	-0.00046
#2	-0.00122	-0.02037	0.00212	0.14097	0.00137	-0.00030	-0.00588	7.80988	-0.00024
Mean	**-0.00031**	**-0.02452**	**0.00132**	**0.14171**	**0.00147**	**-0.00029**	**-0.00331**	**7.80004**	**-0.00035**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00006	0.00048	0.01646	0.00522	1.92579	0.04168	2.71229	0.00740	-0.00214
#2	-0.00053	-0.00031	0.01770	0.00619	1.92679	0.04170	2.71229	0.00754	-0.00072
Mean	**-0.00030**	**0.00008**	**0.01708**	**0.00570**	**1.92629**	**0.04169**	**2.71229**	**0.00747**	**-0.00143**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	101.18682	0.00092	-0.03713	-0.00391	0.00333	13.25264	0.00166	0.00561	-0.00025
#2	101.24345	0.00074	0.05917	-0.00229	0.00309	13.27755	0.00229	-0.00325	-0.00503
Mean	**101.21513**	**0.00083**	**0.01102**	**-0.00310**	**0.00321**	**13.26509**	**0.00197**	**0.00118**	**-0.00264**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.14623	0.00050	0.22773	0.00036	-0.00381	-0.01756	-0.00078	0.03397	-0.00016
#2	0.14735	-0.00250	0.22697	0.00007	0.00323	-0.01756	-0.00091	0.03129	-0.00025
Mean	**0.14679**	**-0.00100**	**0.22735**	**0.00022**	**-0.00029**	**-0.01756**	**-0.00085**	**0.03263**	**-0.00021**

	Pb	Se
	calc	calc
#1	0.00092	0.00170
#2	0.00130	-0.00444
Mean	**0.00111**	**-0.00137**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:43
SampleId1 : 1705177-2 100X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:49:56
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	0.00050	-0.03176	0.00692	0.14222	0.00124	-0.00031	0.00112	7.81643	-0.00020
#2	-0.00001	-0.02793	0.00185	0.14382	0.00117	-0.00031	-0.00347	7.81026	-0.00039
Mean	**0.00024**	**-0.02984**	**0.00438**	**0.14302**	**0.00120**	**-0.00031**	**-0.00118**	**7.81335**	**-0.00029**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00016	0.00017	0.00418	0.00391	1.93683	0.04178	2.72445	0.00727	-0.00122
#2	0.00031	0.00035	0.00418	0.00489	1.92880	0.04196	2.72783	0.00727	-0.00106

Mean	**0.00008**	**0.00026**	**0.00418**	**0.00440**	**1.93281**	**0.04187**	**2.72614**	**0.00727**	**-0.00114**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	100.95401	0.00160	0.05917	-0.00348	0.00279	13.30743	-0.00390	-0.00386	0.00187
#2	101.23266	0.00010	0.05917	-0.00160	0.00195	13.37219	-0.00492	0.00380	0.00070
Mean	**101.09333**	**0.00085**	**0.05917**	**-0.00254**	**0.00237**	**13.33981**	**-0.00441**	**-0.00003**	**0.00129**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.14475	0.00565	0.22773	0.00023	0.00509	-0.02001	-0.00048	0.01150	-0.00038
#2	0.14494	0.00179	0.22786	-0.00009	0.00363	-0.01756	-0.00060	0.01283	-0.00034
Mean	**0.14484**	**0.00372**	**0.22780**	**0.00007**	**0.00436**	**-0.01879**	**-0.00054**	**0.01217**	**-0.00036**

	Pb	Se
	calc	calc
#1	0.00071	-0.00004
#2	0.00077	0.00174
Mean	**0.00074**	**0.00085**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:43
SampleId1 : 1705177-3 100X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:50:57
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	-0.00082	-0.03312	0.00105	0.04754	0.00216	-0.00031	0.00030	8.61051	-0.00002
#2	0.00078	-0.02291	0.00025	0.04789	0.00216	-0.00033	0.00436	8.60279	0.00019
Mean	**-0.00002**	**-0.02801**	**0.00065**	**0.04771**	**0.00216**	**-0.00032**	**0.00233**	**8.60665**	**0.00008**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00041	0.00008	-0.00009	0.03667	1.39234	0.08788	1.47302	0.00834	-0.00139
#2	0.00088	0.00064	0.00114	0.03733	1.41191	0.08653	1.46221	0.00848	0.00019
Mean	**0.00064**	**0.00036**	**0.00053**	**0.03700**	**1.40212**	**0.08720**	**1.46761**	**0.00841**	**-0.00060**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.38217	0.00087	-0.03713	-0.00206	0.00135	5.50049	0.00063	-0.00145	-0.00386
#2	48.68201	0.00133	-0.03713	-0.00043	0.00205	5.51550	0.00168	-0.00053	0.00442
Mean	**49.03209**	**0.00110**	**-0.03713**	**-0.00125**	**0.00170**	**5.50799**	**0.00116**	**-0.00099**	**0.00028**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.17982	0.00007	0.26530	-0.00007	0.00258	-0.01392	-0.00059	0.00456	-0.00035
#2	0.17852	-0.00078	0.26141	0.00040	0.00099	0.00324	0.00015	0.00525	0.00063
Mean	**0.17917**	**-0.00036**	**0.26335**	**0.00016**	**0.00178**	**-0.00534**	**-0.00022**	**0.00491**	**0.00014**

ted: 5/26/2017 12:48:53 User: STEVE WORKMAN

	Pb	Se
	calc	calc
#1	0.00021	-0.00306
#2	0.00122	0.00277
Mean	**0.00072**	**-0.00014**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:44
SampleId1 : 1705202-1 100X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:51:59
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	-0.00161	-0.01936	-0.00068	0.13789	0.16257	-0.00029	-0.00644	1.23404	-0.00032
#2	-0.00101	-0.02747	-0.00375	0.13926	0.16270	-0.00027	-0.00239	1.23864	0.00001
Mean	**-0.00131**	**-0.02341**	**-0.00222**	**0.13857**	**0.16264**	**-0.00028**	**-0.00442**	**1.23634**	**-0.00015**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00021	0.00294	0.00561	0.79587	0.51585	0.01194	0.27197	0.01949	0.00044
#2	-0.00059	0.00267	0.00561	0.80193	0.51886	0.01195	0.26995	0.01963	-0.00247
Mean	**-0.00040**	**0.00280**	**0.00561**	**0.79890**	**0.51736**	**0.01194**	**0.27096**	**0.01956**	**-0.00101**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	52.05063	0.00816	-0.03713	-0.00457	0.00480	0.15039	-0.00019	-0.00207	0.00516
#2	51.99579	0.00980	0.05917	-0.00444	0.00334	0.16544	-0.00062	-0.00417	0.00325
Mean	**52.02321**	**0.00898**	**0.01102**	**-0.00450**	**0.00407**	**0.15791**	**-0.00040**	**-0.00312**	**0.00420**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.12528	0.00007	0.10413	-0.00009	-0.00522	-0.03676	-0.00009	0.00370	-0.00020
#2	0.12619	0.00394	0.10413	0.00016	0.00090	-0.02941	-0.00028	0.00501	-0.00067
Mean	**0.12574**	**0.00201**	**0.10413**	**0.00004**	**-0.00216**	**-0.03309**	**-0.00019**	**0.00435**	**-0.00044**

	Pb	Se
	calc	calc
#1	0.00168	0.00275
#2	0.00075	0.00078
Mean	**0.00122**	**0.00177**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:44
SampleId1 : 1705203-1 100X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:53:01
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE19

Final concentrations

ted: 5/26/2017 12:48:53 User: STEVE WORKMAN

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00070	-0.02955	0.00345	0.12990	0.06737	-0.00032	0.00516	0.14259	0.00006
#2	-0.00072	-0.03002	-0.00535	0.12808	0.06711	-0.00034	-0.00401	0.14145	0.00064
Mean	**-0.00001**	**-0.02979**	**-0.00095**	**0.12899**	**0.06724**	**-0.00033**	**0.00057**	**0.14202**	**0.00035**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00012	0.00052	0.00116	0.13647	0.92490	0.00954	0.12617	0.01049	-0.00297
#2	0.00012	0.00043	0.00097	0.13598	0.92691	0.00950	0.11402	0.01049	-0.00147
Mean	**0.00012**	**0.00048**	**0.00107**	**0.13622**	**0.92591**	**0.00952**	**0.12010**	**0.01049**	**-0.00222**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	43.32156	0.00037	-0.03713	-0.00085	0.00303	0.02998	0.00165	0.00185	-0.00268
#2	43.08461	0.00074	0.05917	-0.00104	0.00032	0.02496	-0.00122	0.01658	-0.00098
Mean	**43.20309**	**0.00055**	**0.01102**	**-0.00094**	**0.00168**	**0.02747**	**0.00021**	**0.00921**	**-0.00183**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09576	0.00179	0.04902	0.00020	-0.00033	-0.02137	0.00049	0.00293	0.00003
#2	0.09669	-0.00250	0.04886	0.00034	0.00260	-0.01034	-0.00032	0.00095	-0.00020
Mean	**0.09622**	**-0.00036**	**0.04894**	**0.00027**	**0.00114**	**-0.01586**	**0.00008**	**0.00194**	**-0.00009**

	Pb	Se
	calc	calc
#1	0.00174	-0.00117
#2	-0.00013	0.00487
Mean	**0.00080**	**0.00185**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:44
SampleId1 : 1705240-1 SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:54:11
Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE20

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00019	-0.00302	0.00132	0.09078	0.34592	-0.00034	-0.00076	3.50739	0.00010
#2	-0.00001	0.00001	0.00238	0.09249	0.34724	-0.00036	0.00113	3.50816	0.00032
Mean	**0.00009**	**-0.00151**	**0.00185**	**0.09164**	**0.34658**	**-0.00035**	**0.00019**	**3.50777**	**0.00021**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00014	0.00423	0.01094	2.75289	2.14116	0.08149	0.63447	0.05160	0.00036
#2	-0.00024	0.00415	0.00934	2.75636	2.14066	0.08204	0.63785	0.05173	0.00019
Mean	**-0.00019**	**0.00419**	**0.01014**	**2.75463**	**2.14091**	**0.08177**	**0.63616**	**0.05167**	**0.00028**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	201.94471	0.17725	0.05917	0.00141	0.00207	0.02496	0.00001	-0.00040	-0.00478
#2	202.40567	0.17939	-0.03713	-0.00038	0.00429	0.02496	-0.00555	0.00035	0.00244
Mean	**202.17519**	**0.17832**	**0.01102**	**0.00051**	**0.00318**	**0.02496**	**-0.00277**	**-0.00002**	**-0.00117**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.61323	0.00351	0.42580	0.00004	-0.00657	-0.01550	0.00138	0.04569	-0.00118
#2	8.67227	0.00136	0.42746	-0.00005	-0.00630	-0.01673	-0.00017	0.04371	-0.00143
Mean	**8.64275**	**0.00244**	**0.42663**	**-0.00001**	**-0.00644**	**-0.01612**	**0.00060**	**0.04470**	**-0.00131**

	Pb	Se
	calc	calc
#1	0.00185	-0.00332
#2	0.00274	0.00174
Mean	**0.00229**	**-0.00079**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:44
SampleId1 : CCV SampleId2 : [CV]
Analysis commenced : 5/25/2017 14:55:27
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	0.20162	51.85651	0.49508	1.02543	1.02120	0.50608	0.50511	50.30257	0.49042
#2	0.19930	51.66209	0.49535	1.01316	1.01942	0.50690	0.49786	50.43541	0.48921
Mean	**0.20046**	**51.75930**	**0.49521**	**1.01929**	**1.02031**	**0.50649**	**0.50148**	**50.36899**	**0.48982**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48768	1.01313	1.00460	20.50392	51.56409	0.50907	52.18953	1.01989	1.01769
#2	0.48759	1.01507	0.99699	20.51117	51.28646	0.50574	52.13200	1.02003	1.02059
Mean	**0.48764**	**1.01410**	**1.00080**	**20.50755**	**51.42528**	**0.50741**	**52.16077**	**1.01996**	**1.01914**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.88167	1.00117	5.20342	0.99837	1.02959	5.03522	0.49321	0.98851	1.01960
#2	49.63367	0.99604	5.20342	0.99662	1.03587	5.05023	0.49021	0.98732	1.02732
Mean	**49.75767**	**0.99860**	**5.20342**	**0.99749**	**1.03273**	**5.04273**	**0.49171**	**0.98791**	**1.02346**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.96671	1.01231	0.50990	0.50030	0.50730	5.01042	0.50906	1.01281	1.01522
#2	4.95632	1.01402	0.50858	0.50113	0.50216	5.02990	0.50759	1.01784	1.01566
Mean	**4.96152**	**1.01317**	**0.50924**	**0.50072**	**0.50473**	**5.02016**	**0.50833**	**1.01533**	**1.01544**

	Pb	Se

	calc	calc
#1	1.01919	1.00924
#2	1.02280	1.01400
Mean	**1.02100**	**1.01162**

ser: STEVE WORKMAN

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:44
SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 5/25/2017 14:56:35
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	-0.02372	0.00252	0.00179	0.00064	-0.00031	-0.00212	0.03058	-0.00011
#2	-0.00093	-0.01994	0.00078	0.00053	0.00064	-0.00029	0.00625	0.03058	-0.00018
Mean	**-0.00038**	**-0.02183**	**0.00165**	**0.00116**	**0.00064**	**-0.00030**	**0.00206**	**0.03058**	**-0.00014**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00035	0.00047	0.00043	0.00880	0.21470	0.00342	0.02290	0.00028	-0.00131
#2	0.00012	0.00025	0.00132	0.00815	0.21470	0.00340	0.02358	0.00055	-0.00064
Mean	**-0.00011**	**0.00036**	**0.00088**	**0.00848**	**0.21470**	**0.00341**	**0.02324**	**0.00042**	**-0.00097**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10796	-0.00031	0.05917	-0.00070	0.00115	-0.00514	0.00043	-0.00098	-0.00142
#2	0.10710	0.00115	-0.03713	-0.00007	0.00019	-0.00514	-0.00286	0.00397	-0.00015
Mean	**0.10753**	**0.00042**	**0.01102**	**-0.00039**	**0.00067**	**-0.00514**	**-0.00122**	**0.00149**	**-0.00078**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00224	0.00351	-0.00072	-0.00002	0.00138	0.00082	0.00033	0.00095	0.00047
#2	0.00299	0.00523	-0.00072	-0.00014	0.00590	0.00082	-0.00004	-0.00038	0.00062
Mean	**0.00262**	**0.00437**	**-0.00072**	**-0.00008**	**0.00364**	**0.00082**	**0.00014**	**0.00028**	**0.00054**

	Pb	**Se**
	calc	calc
#1	0.00053	-0.00127
#2	0.00010	0.00123
Mean	**0.00032**	**-0.00002**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:45
SampleId1 : 1705242-1 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 14:57:43
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	0.00098	0.04361	-0.00028	0.09249	0.35317	-0.00034	0.00007	3.61294	0.00050
#2	0.00049	0.03108	0.00158	0.09226	0.35436	-0.00031	-0.00021	3.62215	0.00082
Mean	**0.00073**	**0.03735**	**0.00065**	**0.09238**	**0.35377**	**-0.00033**	**-0.00007**	**3.61755**	**0.00066**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00023	0.00798	0.01662	3.22571	2.85898	0.08456	0.65742	0.06799	-0.00006
#2	0.00071	0.00856	0.01610	3.23716	2.87606	0.08483	0.66282	0.06839	0.00202
Mean	**0.00024**	**0.00827**	**0.01636**	**3.23144**	**2.86752**	**0.08470**	**0.66012**	**0.06819**	**0.00098**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	206.79581	0.39751	-0.03713	0.00135	0.00043	0.04503	0.00267	0.00728	0.00378
#2	206.51158	0.39751	-0.03713	0.00020	0.00231	0.04503	0.00289	-0.00850	0.00208
Mean	**206.65369**	**0.39751**	**-0.03713**	**0.00078**	**0.00137**	**0.04503**	**0.00278**	**-0.00061**	**0.00293**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.82765	-0.00250	0.43573	0.00029	-0.00232	0.00729	0.00051	0.05775	-0.00011
#2	8.85923	0.00179	0.43653	0.00045	0.00166	-0.00988	0.00125	0.05546	-0.00040
Mean	**8.84344**	**-0.00036**	**0.43613**	**0.00037**	**-0.00033**	**-0.00129**	**0.00088**	**0.05660**	**-0.00025**

	Pb	**Se**
	calc	calc
#1	0.00073	0.00494
#2	0.00161	-0.00145
Mean	**0.00117**	**0.00175**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:45
SampleId1 : 1705243-1 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 14:58:45
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	0.00059	-0.00578	-0.00015	0.61962	1.64106	-0.00031	-0.00503	6.96065	0.00014
#2	-0.00011	-0.00745	0.00212	0.61564	1.64748	-0.00032	-0.00098	6.99147	0.00010
Mean	**0.00024**	**-0.00662**	**0.00098**	**0.61763**	**1.64427**	**-0.00032**	**-0.00300**	**6.97606**	**0.00012**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00021	0.00585	0.03887	1.45844	4.84923	0.73189	1.29138	0.02836	0.00011
#2	0.00027	0.00690	0.03834	1.46173	4.88096	0.73552	1.29678	0.02849	-0.00122
Mean	**0.00003**	**0.00637**	**0.03861**	**1.46009**	**4.86510**	**0.73370**	**1.29408**	**0.02843**	**-0.00056**

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

#1	439.61539	0.04737	0.05917	-0.00049	0.00236	0.02998	0.00083	-0.00369	0.00026
#2	438.94416	0.04987	0.05917	-0.00370	0.00345	0.04002	-0.00187	0.00035	0.00100
Mean	**439.27977**	**0.04862**	**0.05917**	**-0.00209**	**0.00290**	**0.03500**	**-0.00052**	**-0.00167**	**0.00063**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	11.07973	0.00007	1.33732	0.00016	-0.00463	-0.00681	-0.00017	0.05204	-0.00139
#2	11.14880	-0.00594	1.34095	-0.00007	-0.00238	-0.01294	0.00001	0.05242	-0.00143
Mean	**11.11427**	**-0.00293**	**1.33914**	**0.00004**	**-0.00351**	**-0.00988**	**-0.00008**	**0.05223**	**-0.00141**

	Pb	**Se**
	calc	calc
#1	0.00141	-0.00106
#2	0.00107	0.00078
Mean	**0.00124**	**-0.00014**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:45
SampleId1 : 1705369-1 100X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 14:59:48
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	0.00182	-0.02616	0.00358	0.07561	0.00203	-0.00027	-0.00321	0.35749	0.00039
#2	-0.00052	-0.02181	-0.00295	0.07458	0.00176	-0.00025	0.00057	0.35481	-0.00020
Mean	**0.00065**	**-0.02398**	**0.00032**	**0.07509**	**0.00189**	**-0.00026**	**-0.00132**	**0.35615**	**0.00010**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00053	-0.00043	0.00099	0.13565	0.98959	0.07402	0.04653	0.00902	-0.00097
#2	-0.00081	-0.00018	0.00080	0.13500	0.97655	0.07444	0.04180	0.00888	-0.00139
Mean	**-0.00067**	**-0.00030**	**0.00089**	**0.13533**	**0.98307**	**0.07423**	**0.04416**	**0.00895**	**-0.00118**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	20.43657	0.00092	-0.03713	-0.00339	0.00576	7.72514	-0.00183	0.00198	0.00231
#2	20.60990	-0.00159	0.05917	-0.00474	0.00225	7.68018	-0.00122	-0.00280	-0.00183
Mean	**20.52323**	**-0.00033**	**0.01102**	**-0.00406**	**0.00400**	**7.70266**	**-0.00152**	**-0.00041**	**0.00024**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.36166	0.00437	0.03574	0.00022	0.00976	-0.03730	-0.00026	0.00223	-0.00016
#2	0.36388	0.00007	0.03587	0.00020	0.00207	-0.01402	-0.00026	0.00323	-0.00036
Mean	**0.36277**	**0.00222**	**0.03581**	**0.00021**	**0.00591**	**-0.02566**	**-0.00026**	**0.00273**	**-0.00026**

	Pb	**Se**
	calc	calc
#1	0.00271	0.00220

#2	-0.00008	-0.00215	**ser: STEVE WORKMAN**
Mean	**0.00132**	**0.00003**	

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:45
SampleId1 : 1705369-3 100X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 15:00:50
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	-0.00060	-0.02380	-0.00255	0.21999	0.00927	-0.00025	0.00138	0.25539	0.00005
#2	-0.00042	-0.01805	-0.00002	0.21942	0.00934	-0.00023	0.00165	0.25730	0.00001
Mean	**-0.00051**	**-0.02093**	**-0.00128**	**0.21971**	**0.00930**	**-0.00024**	**0.00151**	**0.25634**	**0.00003**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00099	-0.00004	-0.00008	0.77786	0.36000	0.01304	0.04855	0.01613	-0.00147
#2	-0.00033	0.00052	0.00009	0.77884	0.36501	0.01306	0.05395	0.01600	-0.00180
Mean	**-0.00066**	**0.00024**	**0.00000**	**0.77835**	**0.36251**	**0.01305**	**0.05125**	**0.01607**	**-0.00164**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	34.49518	0.00051	0.05917	-0.00486	0.00239	0.10524	-0.00019	0.00123	-0.00089
#2	34.53021	0.00078	-0.03713	-0.00569	0.00369	0.13032	-0.00184	0.00366	0.00027
Mean	**34.51269**	**0.00065**	**0.01102**	**-0.00528**	**0.00304**	**0.11778**	**-0.00102**	**0.00245**	**-0.00031**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.22751	0.00308	0.02202	0.00014	-0.00057	-0.03429	-0.00072	0.00192	-0.00058
#2	0.22713	0.00222	0.02199	-0.00031	-0.00215	-0.01469	-0.00004	0.00095	-0.00004
Mean	**0.22732**	**0.00265**	**0.02201**	**-0.00008**	**-0.00136**	**-0.02449**	**-0.00038**	**0.00143**	**-0.00031**

	Pb	**Se**
	calc	calc
#1	-0.00002	-0.00019
#2	0.00057	0.00140
Mean	**0.00027**	**0.00061**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:45
SampleId1 : 1705376-1 100X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 15:01:53
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	-0.00032	-0.02014	0.00105	0.29728	0.00189	-0.00023	0.00219	0.13839	0.00033

#2	0.00068	-0.03217	0.00118	0.29967	0.00196	-0.00026	0.00355	0.13992	-0.00003
Mean	**0.00018**	**-0.02616**	**0.00112**	**0.29848**	**0.00193**	**-0.00025**	**0.00287**	**0.13915**	**0.00015**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00072	0.00025	-0.00010	0.01059	0.32794	0.00997	0.03573	0.00687	-0.00180
#2	-0.00025	0.00038	0.00079	0.01108	0.33846	0.00995	0.03640	0.00687	-0.00122
Mean	**-0.00049**	**0.00032**	**0.00035**	**0.01084**	**0.33320**	**0.00996**	**0.03607**	**0.00687**	**-0.00151**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	26.27016	0.00024	0.05917	-0.00625	0.00206	1.37406	-0.00164	-0.00730	-0.00004
#2	26.16523	-0.00031	-0.03713	-0.00004	0.00043	1.34899	0.00063	-0.00054	-0.00099
Mean	**26.21770**	**-0.00004**	**0.01102**	**-0.00314**	**0.00125**	**1.36152**	**-0.00050**	**-0.00392**	**-0.00052**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.24939	0.00007	0.01043	0.00034	-0.00540	-0.00776	-0.00035	0.00226	-0.00020
#2	0.24958	0.00523	0.01041	0.00050	0.00231	-0.00531	0.00008	0.00094	0.00015
Mean	**0.24948**	**0.00265**	**0.01042**	**0.00042**	**-0.00155**	**-0.00654**	**-0.00013**	**0.00160**	**-0.00003**

	Pb	**Se**
	calc	calc
#1	-0.00071	-0.00246
#2	0.00028	-0.00084
Mean	**-0.00022**	**-0.00165**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:46
SampleId1 : 1705376-3 **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 15:02:56
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	0.00070	-0.00343	0.00292	26.68923	0.08476	-0.00034	0.00409	7.81643	0.00040
#2	-0.00040	-0.00080	0.00505	26.74965	0.08516	-0.00030	0.00084	7.85924	-0.00006
Mean	**0.00015**	**-0.00211**	**0.00398**	**26.71944**	**0.08496**	**-0.00032**	**0.00246**	**7.83784**	**0.00017**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00088	0.00147	0.00044	0.24269	24.66789	0.91668	1.73839	0.01305	-0.00155
#2	-0.00135	0.00074	-0.00009	0.24236	24.69570	0.91729	1.74920	0.01318	-0.00164
Mean	**-0.00112**	**0.00111**	**0.00017**	**0.24252**	**24.68179**	**0.91699**	**1.74380**	**0.01311**	**-0.00160**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	436.63018	0.00210	2.47580	0.00169	-0.00215	127.30644	-0.00226	0.00367	0.00020
#2	429.98061	0.00197	2.47580	-0.00227	-0.00123	128.17317	-0.00225	0.00410	0.00487

Mean	**433.30540**	**0.00203**	**2.47580**	**-0.00029**	**-0.00169**	**127.73980**	**-0.00226**	**0.00389**	**0.00254**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	22.41226	0.00523	0.80723	-0.00023	0.00263	-0.00310	0.00008	0.00000	-0.00392
#2	22.50222	0.00480	0.80886	-0.00032	0.00156	-0.01903	-0.00011	-0.00102	-0.00389
Mean	**22.45724**	**0.00501**	**0.80805**	**-0.00028**	**0.00210**	**-0.01107**	**-0.00001**	**-0.00051**	**-0.00390**

	Pb	Se
	calc	calc
#1	-0.00087	0.00136
#2	-0.00157	0.00462
Mean	**-0.00122**	**0.00299**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:46
SampleId1 : 1705376-5 100X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 15:03:58
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	-0.00020	-0.02317	0.00052	0.29135	0.00453	-0.00019	-0.00132	0.15980	0.00000
#2	0.00098	-0.02580	-0.00162	0.27711	0.00440	-0.00022	0.00841	0.16209	-0.00026
Mean	**0.00039**	**-0.02449**	**-0.00055**	**0.28423**	**0.00446**	**-0.00021**	**0.00354**	**0.16095**	**-0.00013**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00090	0.00006	-0.00008	0.01858	0.35850	0.01270	0.03100	0.00767	-0.00214
#2	-0.00015	0.00055	0.00079	0.02037	0.38055	0.01253	0.03775	0.00767	0.00011
Mean	**-0.00053**	**0.00030**	**0.00035**	**0.01948**	**0.36952**	**0.01262**	**0.03438**	**0.00767**	**-0.00101**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	31.22660	0.00019	-0.13340	-0.00517	0.00390	0.15039	-0.00061	-0.00027	0.00187
#2	31.00480	0.00228	-0.13340	-0.00169	-0.00084	0.14537	-0.00018	0.00608	-0.00375
Mean	**31.11570**	**0.00124**	**-0.13340**	**-0.00343**	**0.00153**	**0.14788**	**-0.00039**	**0.00291**	**-0.00094**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.27538	0.00265	0.01400	0.00000	-0.00355	-0.03841	0.00021	0.00126	-0.00039
#2	0.27370	0.00565	0.01394	0.00050	0.00351	0.00816	0.00002	0.00062	0.00030
Mean	**0.27454**	**0.00415**	**0.01397**	**0.00025**	**-0.00002**	**-0.01513**	**0.00012**	**0.00094**	**-0.00004**

	Pb	Se
	calc	calc
#1	0.00088	0.00116
#2	-0.00112	-0.00048
Mean	**-0.00012**	**0.00034**

ted: 5/26/2017 12:48:54 User: STEVE WORKMAN
Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:46
SampleId1 : 1705376-7 100X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 15:05:00
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	-0.00100	-0.01403	-0.00215	0.25077	0.00407	-0.00018	0.00354	0.15598	-0.00074
#2	-0.00021	-0.01982	-0.00348	0.24963	0.00413	-0.00021	0.00030	0.15636	-0.00004
Mean	**-0.00060**	**-0.01693**	**-0.00282**	**0.25020**	**0.00410**	**-0.00020**	**0.00192**	**0.15617**	**-0.00039**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00100	-0.00091	-0.00044	0.02135	0.33094	0.01223	0.02628	0.00687	-0.00106
#2	-0.00062	0.00000	0.00098	0.02217	0.32994	0.01215	0.03303	0.00673	-0.00097
Mean	**-0.00081**	**-0.00045**	**0.00027**	**0.02176**	**0.33044**	**0.01219**	**0.02965**	**0.00680**	**-0.00101**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	31.81749	0.00010	-0.03713	-0.00355	0.00330	0.11025	-0.00327	0.00063	0.00283
#2	31.87875	-0.00013	-0.03713	-0.00170	-0.00110	0.10524	0.00105	0.00590	-0.00152
Mean	**31.84812**	**-0.00001**	**-0.03713**	**-0.00263**	**0.00110**	**0.10774**	**-0.00111**	**0.00327**	**0.00065**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.26258	-0.00121	0.01365	-0.00013	0.00309	-0.03596	-0.00066	0.00023	-0.00032
#2	0.26573	0.00394	0.01361	0.00016	0.00177	-0.02493	0.00015	0.00093	-0.00029
Mean	**0.26415**	**0.00136**	**0.01363**	**0.00002**	**0.00243**	**-0.03044**	**-0.00026**	**0.00058**	**-0.00031**

	Pb	Se
	calc	calc
#1	0.00102	0.00210
#2	-0.00130	0.00095
Mean	**-0.00014**	**0.00152**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:46
SampleId1 : 1705380-1 500X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 15:12:24
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	-0.00071	-0.02338	-0.00042	0.04047	0.00163	-0.00026	-0.00483	6.50033	-0.00019
#2	0.00029	-0.02641	0.00332	0.04093	0.00163	-0.00024	0.00219	6.52498	0.00001
Mean	**-0.00021**	**-0.02490**	**0.00145**	**0.04070**	**0.00163**	**-0.00025**	**-0.00132**	**6.51265**	**-0.00009**

ted: 5/26/2017 12:48:54 User: STEVE WORKMAN

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00013	-0.00013	-0.00027	0.01434	0.98257	0.00892	1.41630	0.00727	-0.00205
#2	-0.00016	-0.00026	0.00062	0.01499	0.99310	0.00893	1.42440	0.00754	-0.00264
Mean	**-0.00002**	**-0.00020**	**0.00018**	**0.01467**	**0.98783**	**0.00893**	**1.42035**	**0.00740**	**-0.00235**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	48.68351	-0.00145	-0.03713	-0.00533	0.00279	0.72722	0.00001	-0.00310	0.00102
#2	48.68717	0.00065	-0.03713	0.00028	0.00003	0.69211	0.00083	-0.00130	-0.00237
Mean	**48.68534**	**-0.00040**	**-0.03713**	**-0.00252**	**0.00141**	**0.70966**	**0.00042**	**-0.00220**	**-0.00068**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.03026	0.00308	0.27908	-0.00004	-0.00009	-0.01634	-0.00010	0.00092	-0.00050
#2	0.03175	0.00308	0.27988	-0.00007	-0.00567	-0.01757	-0.00047	0.00224	0.00019
Mean	**0.03100**	**0.00308**	**0.27948**	**-0.00005**	**-0.00288**	**-0.01696**	**-0.00029**	**0.00158**	**-0.00015**

	Pb	Se
	calc	calc
#1	0.00009	-0.00035
#2	0.00011	-0.00202
Mean	**0.00010**	**-0.00118**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:46
SampleId1 : 1705376-3 50X SampleId2 : [SAMPLE]
Analysis commenced : 5/25/2017 15:17:58
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	0.00030	-0.01609	0.00065	0.58479	0.00288	-0.00024	-0.00240	0.23742	0.00006
#2	0.00006	-0.02256	0.00278	0.58570	0.00295	-0.00028	-0.00158	0.24009	0.00017
Mean	**0.00018**	**-0.01933**	**0.00172**	**0.58525**	**0.00291**	**-0.00026**	**-0.00199**	**0.23875**	**0.00011**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00050	-0.00008	0.00009	0.01027	0.43266	0.01680	0.05800	0.00808	-0.00089
#2	0.00088	0.00111	0.00078	0.01043	0.46123	0.01679	0.06070	0.00808	-0.00230
Mean	**0.00069**	**0.00051**	**0.00044**	**0.01035**	**0.44695**	**0.01679**	**0.05935**	**0.00808**	**-0.00160**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	51.33011	0.00133	0.05917	-0.00229	-0.00026	2.68710	-0.00204	-0.00507	-0.00153
#2	51.21975	0.00092	0.05917	-0.00274	0.00160	2.71215	0.00268	0.00354	-0.00100
Mean	**51.27493**	**0.00112**	**0.05917**	**-0.00252**	**0.00067**	**2.69962**	**0.00032**	**-0.00076**	**-0.00126**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48393	0.00179	0.01964	0.00020	0.00030	-0.02614	0.00045	0.00290	-0.00014
#2	0.48447	0.00050	0.01964	0.00031	0.00139	0.01797	0.00101	0.00131	0.00026
Mean	**0.48420**	**0.00115**	**0.01964**	**0.00025**	**0.00085**	**-0.00409**	**0.00073**	**0.00210**	**0.00006**

	Pb	Se
	calc	calc
#1	-0.00094	-0.00270
#2	0.00016	0.00051
Mean	**-0.00039**	**-0.00109**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:47
SampleId1 : CCV **SampleId2 :** **[CV]**
Analysis commenced : 5/25/2017 15:19:10
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	0.19829	51.11299	0.48975	1.02032	1.01037	0.50240	0.50291	49.95179	0.48856
#2	0.19917	51.38730	0.49521	1.02145	1.01374	0.50321	0.50561	50.01395	0.48898
Mean	**0.19873**	**51.25015**	**0.49248**	**1.02088**	**1.01205**	**0.50280**	**0.50426**	**49.98287**	**0.48877**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48507	1.00586	0.99350	20.32318	50.91570	0.50229	51.63826	1.00992	1.01221
#2	0.48684	1.00785	0.99826	20.35689	51.05763	0.50430	51.78754	1.01234	1.00823
Mean	**0.48596**	**1.00685**	**0.99588**	**20.34003**	**50.98667**	**0.50330**	**51.71290**	**1.01113**	**1.01022**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.50993	0.99649	4.91012	0.99146	1.01826	4.99520	0.49138	0.99191	0.99874
#2	49.71694	0.98877	5.10562	0.99005	1.02194	5.03522	0.49013	0.98576	1.02952
Mean	**49.61343**	**0.99263**	**5.00787**	**0.99075**	**1.02010**	**5.01521**	**0.49076**	**0.98884**	**1.01413**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.90346	1.00077	0.50553	0.49356	0.50075	4.94970	0.50390	1.00326	1.00747
#2	4.92606	1.00847	0.50646	0.49497	0.50143	4.97768	0.50385	1.00598	1.00887
Mean	**4.91476**	**1.00462**	**0.50600**	**0.49426**	**0.50109**	**4.96369**	**0.50387**	**1.00462**	**1.00817**

	Pb	Se
	calc	calc
#1	1.00933	0.99646
#2	1.01132	1.01495
Mean	**1.01033**	**1.00571**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:47

SampleId1 : CCB **SampleId2 :** **[CB]**
Analysis commenced : 5/25/2017 15:20:18
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	0.00038	-0.01097	-0.00055	0.00510	0.00064	-0.00017	-0.00293	0.03479	0.00063
#2	-0.00083	-0.01470	-0.00028	0.00316	0.00084	-0.00019	0.00139	0.03249	-0.00009
Mean	**-0.00023**	**-0.01283**	**-0.00042**	**0.00413**	**0.00074**	**-0.00018**	**-0.00077**	**0.03364**	**0.00027**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00050	0.00060	0.00079	0.00994	0.21971	0.00342	0.02290	0.00042	-0.00014
#2	-0.00063	0.00060	0.00061	0.00913	0.22573	0.00345	0.02763	0.00042	-0.00114
Mean	**-0.00006**	**0.00060**	**0.00070**	**0.00953**	**0.22272**	**0.00344**	**0.02527**	**0.00042**	**-0.00064**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10671	0.00119	0.05917	-0.00103	0.00241	-0.01517	-0.00121	-0.00159	0.00177
#2	0.10422	0.00005	0.05917	-0.00496	0.00187	-0.02019	0.00125	0.00412	-0.00312
Mean	**0.10547**	**0.00062**	**0.05917**	**-0.00300**	**0.00214**	**-0.01768**	**0.00002**	**0.00127**	**-0.00068**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00183	0.00093	-0.00072	0.00013	-0.00088	-0.00286	-0.00029	-0.00070	0.00035
#2	0.00094	0.00179	-0.00070	0.00045	0.00085	-0.00041	0.00039	0.00062	0.00064
Mean	**-0.00044**	**0.00136**	**-0.00071**	**0.00029**	**-0.00002**	**-0.00164**	**0.00005**	**-0.00004**	**0.00050**

	Pb	Se
	calc	calc
#1	0.00127	0.00065
#2	-0.00040	-0.00071
Mean	**0.00043**	**-0.00003**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:47
SampleId1 : CRI **SampleId2 :** **[CV]**
Analysis commenced : 5/25/2017 15:21:26
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	0.02125	0.43558	0.01131	0.43208	0.44093	0.01078	0.05126	5.36885	0.01077
#2	0.02114	0.43415	0.00758	0.43196	0.44317	0.01079	0.04559	5.36654	0.01060
Mean	**0.02120**	**0.43486**	**0.00945**	**0.43202**	**0.44205**	**0.01079**	**0.04843**	**5.36770**	**0.01068**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo

	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10654	0.02253	0.05478	0.22555	4.28731	0.01891	5.38345	0.03440	0.01949
#2	0.10720	0.02209	0.05531	0.22718	4.29939	0.01898	5.40441	0.03454	0.02099
Mean	**0.10687**	**0.02231**	**0.05504**	**0.22636**	**4.29335**	**0.01895**	**5.39393**	**0.03447**	**0.02024**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.37498	0.09017	0.25185	0.00557	0.00720	0.23065	0.12723	0.01303	0.01028
#2	4.39954	0.08889	0.25185	-0.00238	0.01008	0.21560	0.12540	0.00778	0.01230
Mean	**4.38726**	**0.08953**	**0.25185**	**0.00160**	**0.00864**	**0.22313**	**0.12631**	**0.01041**	**0.01129**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.11235	0.10607	0.02075	0.02102	0.02124	0.20275	0.10985	0.04353	0.05621
#2	0.11347	0.10864	0.02073	0.02129	0.01699	0.20642	0.11004	0.04285	0.05643
Mean	**0.11291**	**0.10736**	**0.02074**	**0.02116**	**0.01911**	**0.20458**	**0.10994**	**0.04319**	**0.05632**

	Pb	**Se**
	calc	calc
#1	0.00666	0.01120
#2	0.00593	0.01079
Mean	**0.00630**	**0.01100**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:47
SampleId1 : LCV **SampleId2 :** **[SAMPLE]**
Analysis commenced : 5/25/2017 15:23:37
Dilution ratio : 1.00000 to 1.00000 Tray : Position : STD7

Final concentrations

	Ag	**Al**	**As**	**B**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01031	0.18978	0.03198	0.10755	0.10736	0.00510	0.01935	1.03884	0.00505
#2	0.00903	0.18228	0.03598	0.10618	0.10703	0.00506	0.01394	1.03501	0.00543
Mean	**0.00967**	**0.18603**	**0.03398**	**0.10686**	**0.10719**	**0.00508**	**0.01665**	**1.03692**	**0.00524**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.02107	0.01068	0.02061	0.10744	0.95048	0.01639	1.05979	0.01103	0.01875
#2	0.02013	0.01083	0.02045	0.10662	0.93543	0.01634	1.05439	0.01076	0.01883
Mean	**0.02060**	**0.01076**	**0.02053**	**0.10703**	**0.94295**	**0.01636**	**1.05709**	**0.01090**	**0.01879**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.84024	0.02214	0.25185	0.02015	0.02176	0.21560	0.04952	0.03016	0.03097
#2	0.83792	0.02237	0.25185	0.01856	0.02125	0.20055	0.05302	0.03299	0.03723
Mean	**0.83908**	**0.02225**	**0.25185**	**0.01935**	**0.02151**	**0.20808**	**0.05127**	**0.03157**	**0.03410**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	0.10827	0.05800	0.01971	0.02070	0.03527	0.20654	0.02178	0.02154	0.02189
#2	0.10308	0.05285	0.01968	0.02048	0.03073	0.17714	0.02092	0.02221	0.02167
Mean	**0.10568**	**0.05543**	**0.01969**	**0.02059**	**0.03300**	**0.19184**	**0.02135**	**0.02187**	**0.02178**

	Pb	**Se**
	calc	calc
#1	0.02122	0.03070
#2	0.02036	0.03582
Mean	**0.02079**	**0.03326**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:47
SampleId1 : ICSA **SampleId2 :** **[ICSAB]**
Analysis commenced : 5/25/2017 15:24:40
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	-0.00026	263.59657	0.00572	0.00373	0.00176	0.00041	0.00220	258.15435	0.00004
#2	-0.00015	265.12452	-0.00468	0.00190	0.00176	0.00043	0.00220	257.93100	-0.00021
Mean	**-0.00021**	**264.36054**	**0.00052**	**0.00281**	**0.00176**	**0.00042**	**0.00220**	**258.04267**	**-0.00008**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00079	-0.00065	-0.00207	109.49014	0.16561	0.00459	272.06274	-0.00536	-0.00097
#2	-0.00100	-0.00143	-0.00190	109.70934	0.14657	0.00457	272.73640	-0.00589	-0.00097
Mean	**-0.00011**	**-0.00104**	**-0.00199**	**109.59974**	**0.15609**	**0.00458**	**272.39957**	**-0.00563**	**-0.00097**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10614	0.00192	0.05917	-0.00120	0.00388	0.03500	0.00847	0.00446	0.00103
#2	0.10595	-0.00127	0.05917	-0.00457	0.00419	0.05005	0.00435	-0.00501	0.00042
Mean	**0.10604**	**0.00033**	**0.05917**	**-0.00288**	**0.00403**	**0.04252**	**0.00641**	**-0.00028**	**0.00072**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01375	0.00394	0.01565	-0.00130	-0.00352	0.03330	0.00315	0.00585	0.00257
#2	0.01412	0.00995	0.01576	-0.00115	-0.01065	0.03063	0.00091	0.00516	0.00237
Mean	**0.01393**	**0.00694**	**0.01570**	**-0.00122**	**-0.00708**	**0.03197**	**0.00203**	**0.00550**	**0.00247**

	Pb	**Se**
	calc	calc
#1	0.00219	0.00217
#2	0.00127	-0.00139
Mean	**0.00173**	**0.00039**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:48
SampleId1 : ICSAB **SampleId2 :** **[ICSAB]**
Analysis commenced : 5/25/2017 15:25:49

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	0.21448	262.92734	0.10383	1.03963	0.55033	0.51057	0.44209	257.94788	1.00996
#2	0.21690	264.46134	0.10063	1.03782	0.55257	0.51072	0.44723	258.17992	1.01086
Mean	**0.21569**	**263.69434**	**0.10223**	**1.03872**	**0.55145**	**0.51065**	**0.44466**	**258.06390**	**1.01041**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48720	0.51011	0.54928	109.26787	0.15659	1.09100	271.34135	0.50454	1.03022
#2	0.48906	0.50948	0.55154	109.45526	0.14958	1.09682	272.14177	0.50562	1.03081
Mean	**0.48813**	**0.50979**	**0.55041**	**109.36157**	**0.15308**	**1.09391**	**271.74156**	**0.50508**	**1.03051**

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09720	1.00671	1.12031	0.05270	0.04752	1.09328	0.62408	0.06706	0.04225
#2	0.09720	1.00671	1.12031	0.05112	0.05142	1.06821	0.62349	0.05589	0.05182
Mean	**0.09720**	**1.00671**	**1.12031**	**0.05191**	**0.04947**	**1.08075**	**0.62378**	**0.06147**	**0.04703**

	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.99663	1.03698	1.05877	0.99471	0.09091	10.33551	0.51130	0.97188	0.50773
#2	1.00362	1.02885	1.06096	0.99898	0.08119	10.43454	0.51479	0.96954	0.50991
Mean	**1.00013**	**1.03292**	**1.05986**	**0.99685**	**0.08605**	**10.38502**	**0.51305**	**0.97071**	**0.50882**

	Pb	Se
	calc	calc
#1	0.04924	0.05051
#2	0.05132	0.05318
Mean	**0.05028**	**0.05184**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:48
SampleId1 : CCV SampleId2 : [CV]
Analysis commenced : 5/25/2017 15:26:59
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	0.20230	51.87306	0.49681	1.02532	1.01981	0.50562	0.50296	50.50648	0.49465
#2	0.20050	51.73743	0.49815	1.02884	1.02146	0.50628	0.50189	50.45762	0.49528
Mean	**0.20140**	**51.80525**	**0.49748**	**1.02708**	**1.02064**	**0.50595**	**0.50242**	**50.48205**	**0.49497**

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49041	1.01360	1.01026	20.50029	51.69075	0.51092	52.25254	1.01787	1.01744

#2	0.49003	1.01443	1.00937	20.53493	51.61179	0.50979	52.20734	1.01922	1.01711
Mean	**0.49022**	**1.01402**	**1.00982**	**20.51761**	**51.65127**	**0.51035**	**52.22994**	**1.01854**	**1.01727**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.76970	1.00685	5.00786	0.99279	1.02772	4.97018	0.49663	1.01610	1.01558
#2	50.58599	1.01352	4.91012	0.99685	1.03433	5.08526	0.49441	0.99922	1.02584
Mean	**50.67784**	**1.01018**	**4.95899**	**0.99482**	**1.03103**	**5.02772**	**0.49552**	**1.00766**	**1.02071**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.97139	1.01788	0.51178	0.49438	0.49938	5.01773	0.50931	1.01250	1.01922
#2	4.95375	1.01745	0.51167	0.49596	0.50678	5.01891	0.50883	1.01056	1.01883
Mean	**4.96257**	**1.01767**	**0.51173**	**0.49517**	**0.50308**	**5.01832**	**0.50907**	**1.01153**	**1.01903**

	Pb	**Se**
	calc	calc
#1	1.01609	1.01575
#2	1.02185	1.01697
Mean	**1.01897**	**1.01636**

Method : Paragon2 File : 170525A Printed : 5/26/2017 12:48:48
SampleId1 : CCB SampleId2 : [CB]
Analysis commenced : 5/25/2017 15:28:08
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	-0.00150	-0.00732	0.00025	0.00270	0.00058	-0.00002	-0.00646	0.03784	-0.00035
#2	-0.00041	0.00067	-0.00122	0.00339	0.00058	-0.00003	-0.00186	0.03784	-0.00001
Mean	**-0.00096**	**-0.00333**	**-0.00048**	**0.00304**	**0.00058**	**-0.00003**	**-0.00416**	**0.03784**	**-0.00018**

	Co	**Cr**	**Cu**	**Fe**	**K**	**Li**	**Mg**	**Mn**	**Mo**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00016	-0.00086	-0.00044	0.01092	0.19166	0.00340	0.02020	0.00042	0.00053
#2	-0.00025	-0.00052	-0.00009	0.01059	0.19967	0.00340	0.02358	0.00042	-0.00164
Mean	**-0.00020**	**-0.00069**	**-0.00026**	**0.01076**	**0.19567**	**0.00340**	**0.02189**	**0.00042**	**-0.00056**

	Na	**Ni**	**P**	**Pb I**	**Pb II**	**S**	**Sb**	**Se I**	**Se II**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10008	-0.00127	0.05917	-0.01203	0.00522	-0.01015	-0.00223	-0.00868	0.00633
#2	0.09999	-0.00131	0.05917	-0.00316	0.00310	-0.02019	0.00125	-0.00131	0.00240
Mean	**0.10004**	**-0.00129**	**0.05917**	**-0.00759**	**0.00416**	**-0.01517**	**-0.00049**	**-0.00499**	**0.00437**

	Si	**Sn**	**Sr**	**Ti**	**Tl**	**U**	**V**	**Zn**	**Zr**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00386	0.00093	-0.00077	-0.00011	-0.00117	-0.03962	-0.00122	-0.00109	-0.00009
#2	-0.00461	0.00093	-0.00072	-0.00016	0.00070	-0.02124	-0.00041	-0.00009	0.00036

Mean	**-0.00423**	**0.00093**	**-0.00074**	**-0.00014**	**-0.00023**	**-0.03043**	**-0.00082**	**-0.00059**	**0.00013**

	Pb	**Se**
	calc	calc
#1	-0.00052	0.00133
#2	0.00101	0.00117
Mean	**0.00025**	**0.00125**

Header Information for Analytical Sequence 17E27j00

Instrument: Agilent ICPMS Model 7700X; Serial No. JP09400112
Software Revision: B.01.01
Date of Analysis: 05/27/2017
Analyst: Brent A. Stanfield

Calibration Standards

High Calibration Standard: ST170502-5 (expires 04/30/2018)
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 (ST160606-18, expires 05/31/2017) 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		

LIV/LCV

The LIV/LCV is prepared by diluting 0.05ml of the Reporting Limit Verification Spike Solution (ST170502-8 expires 04/30/2018) to 50ml giving the following concentrations (ng/ml).

100	20	15	10	2	1	0.5	0.2	0.1	0.05	0.02	0.01
Na	Ti	B	Al	Cu	Cr	Ba	As	Sb	Ag	Th	Tl
Ca			Fe	Li	Se	Co	Cd		Be		U
K			Mg	Ni	Sn	Mn	Mo		Ce		
			Zn			Sr	Pb		La		
						V			Nd		
									Pr		
									Y		

ICSA

The ICSA is prepared by diluting 0.5ml of ICSA intermediate (ST150423-1, expires 04/03/2018) 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 (ST150423-1, expires 04/03/2018) and 5ml of High Calibration Standard: ST170502-5 (expires 04/30/2018) 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 Na	Fe	C	K	Mg	Al	P S	Ti	Mo

200	100	50	20	10	5	3	1	0.2
Zn	B Cu Li	Cr Ni Sn	Mn	V Co As Se Ba Sr	Pb Be	Sb Cd Y La Ce Pr Nd	Th U Ag	Tl

CCV

The CCV is prepared by diluting 5ml of the High Calibration Standard: ST170502-5 (expires 04/30/2018) 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 K	Mg	Fe Al	Zn Ti	B Cu Li	Cr Ni Sn	Mn	V Co As Se Mo Ba Sr	Pb Be	Sb Cd Y La Ce Pr Nd	Th U Ag	Tl

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 (ST170502-5, expires 04/30/2018) 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 (ST140409-4, expires 12/31/2020) to a final volume of 10ml. The 1000 Na standard contains Na at 1000000 ng/ml.

500 Ca

The 500 Ca standard is prepared by diluting 0.5ml of the 10000mg/L Ca stock solution (ST140409-5, expires 04/30/2021) to a final volume of 10ml. The 500 Ca standard contains Ca at 500000 ng/ml.

500 K

The 500 K standard is prepared by diluting 0.5ml of the 10000mg/L K stock solution (ST140409-6, expires 01/31/2021) to a final volume of 10ml. The 500 K standard contains K at 500000 ng/ml.

Linear Dynamic Range

The instrument Linear Dynamic Range (LDR) is determined at least every 6 months. The current LDR was determined on 11/01/2016. 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. 137345
HCl Lot No. 132880

Internal Standards

The internal standard intermediate contains 4 PPM each of Ga, Ge, Pt, In, Rh, Bi and Sc. This intermediate is added to all standards and samples in the same proportion by a peristaltic pump.

Pipet ID Numbers

1.0 to 5.0 ml -- M-87
0.1 to 1.0ml -- M-60
0.01 to 0.1ml -- M-56

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

1705277-22A, 1704607-1A, 1705291-4A, and 1705097-2A were post spiked by diluting ST11102-1 and ST161114-2 500 fold then ten fold dilution of the sample digestates.

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: 27 May 2017 09:07:06 am
Operator:
Misc Info:
Vial Number: 0
Current Method: C:\ICPMH\1\METHODS\2008TUNE.m

Minimum Response(CPS)

Element	Actual	Required	Flag

RSD (%)

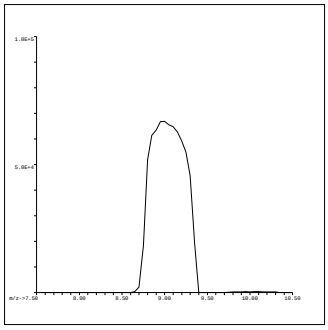
Element	Actual	Required	Flag
9 Be	1.18	5.00	
24 Mg	1.94	5.00	
25 Mg	1.93	5.00	
26 Mg	1.34	5.00	
59 Co	1.47	5.00	
115 In	2.01	5.00	
206 Pb	1.77	5.00	
207 Pb	1.85	5.00	
208 Pb	2.28	5.00	

Ion Ratio

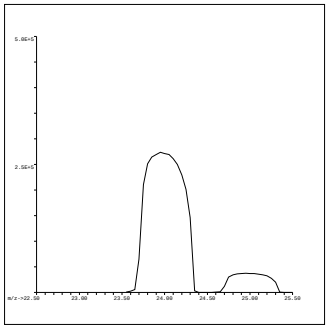
Element	Actual	Required	Flag

Maximum Bkg. Count(CPS)

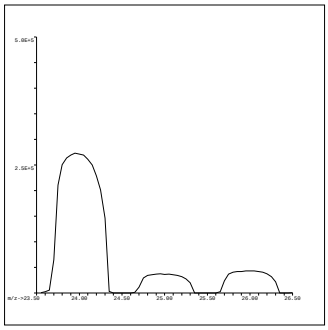
Element	Actual	Required	Flag



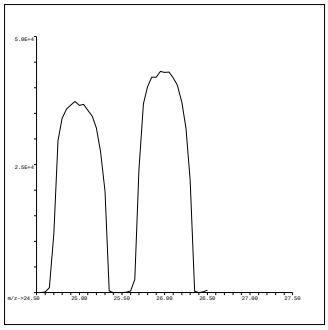
9 Be
Mass Calib.
   Actual: 9.00
   Required: 8.90-9.10
   Flag:
Peak Width
   Actual: 0.60
   Required: 0.80
   Flag:



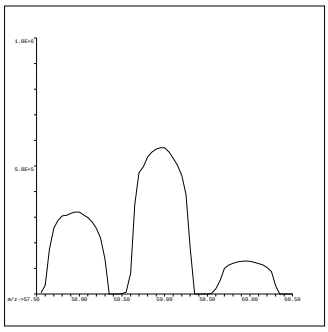
24 Mg
Mass Calib.
   Actual: 23.95
   Required: 23.90-24.10
   Flag:
Peak Width
   Actual: 0.60
   Required: 0.80
   Flag:



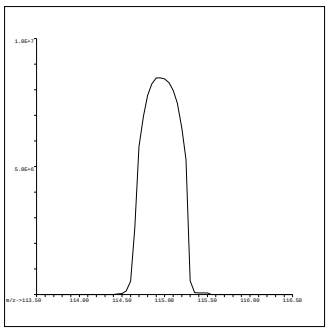
25 Mg
Mass Calib.
   Actual: 24.95
   Required: 24.90-25.10
   Flag:
Peak Width
   Actual: 0.60
   Required: 0.80
   Flag:



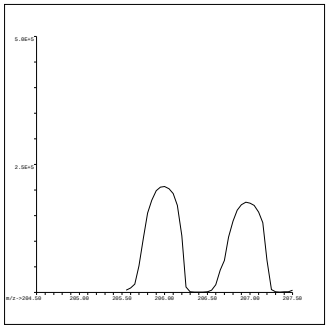
26 Mg
Mass Calib.
   Actual: 25.95
   Required: 25.90-26.10
   Flag:
Peak Width
   Actual: 0.65
   Required: 0.80
   Flag:



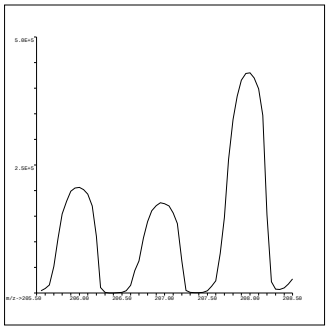
59 Co
Mass Calib.
   Actual: 58.95
   Required: 58.90-59.10
   Flag:
Peak Width
   Actual: 0.70
   Required: 0.80
   Flag:



115 In
Mass Calib.
   Actual: 114.95
   Required: 114.90-115.10
   Flag:
Peak Width
   Actual: 0.65
   Required: 0.80
   Flag:

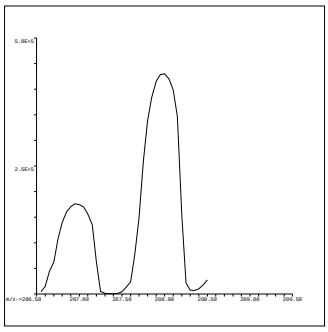


206 Pb
Mass Calib.
   Actual: 206.00
   Required: 205.90-206.10
   Flag:
Peak Width
   Actual: 0.55
   Required: 0.80
   Flag:



207 Pb
Mass Calib.
   Actual: 206.95
   Required: 206.90-207.10
   Flag:
Peak Width
   Actual: 0.60
   Required: 0.80
   Flag:

C:\ICPMH\1\7500\QCTUNE.D



208 Pb
Mass Calib.
   Actual: 208.00
   Required: 207.90-208.10
   Flag:
Peak Width
   Actual: 0.55
   Required: 0.80
   Flag:

QC Tune Result:Pass

Batch Summary Report

Batch Folder: C:\ICPMH\1\DATA\17E27j00.B\
Analysis File: 17E27j00.batch.xml
Tune Step: #1 nogas.u
#2 hehe.u

	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
1		5/27/2017 09:18:19	001CALB.D	blank	CalBlk	1	1.0000
2		5/27/2017 09:24:17	002CALB.D	blank	CalBlk	1	1.0000
3		5/27/2017 09:30:14	003CALB.D	blank	CalBlk	1	1.0000
4		5/27/2017 09:36:12	004CALB.D	blank	CalBlk	1	1.0000
5	On	5/27/2017 09:42:09	005CALS.D	H/1000	CalStd	2	1.0000
6		5/27/2017 09:45:09	006CALS.D	H/100	CalStd	3	1.0000
7		5/27/2017 09:48:08	007CALS.D	H/10	CalStd	4	1.0000
8		5/27/2017 09:54:02	008CALS.D	HIGH	CalStd	5	1.0000
9		5/27/2017 12:41:56	001SMPL_17E27m00.D	ICV	6-ICV		1.0000
10		5/27/2017 12:53:56	002SMPL_17E27m00.D	ICB	6-CCB		1.0000
11		5/27/2017 12:59:53	003SMPL_17E27m00.D	LIV	RLCV		1.0000
12		5/27/2017 13:31:31	006SMPL_17E27m00.D	ICSA	6-ICSA		1.0000
13		5/27/2017 13:37:27	007SMPL_17E27m00.D	ICSAB	6-ICSAB		1.0000
14		5/27/2017 13:43:20	008SMPL_17E27m00.D	CCV	6-CCV		1.0000
15		5/27/2017 13:49:16	009SMPL_17E27m00.D	CCB	6-CCB		1.0000
16		5/27/2017 13:52:16	010SMPL_17E27m00.D	IP170523-1MB 10X	6-CCB		1.0000
17		5/27/2017 13:55:14	011SMPL_17E27m00.D	IM170523-1LCS 10X	Sample		1.0000
18		5/27/2017 14:01:08	012SMPL_17E27m00.D	1705095-1 1000X	Sample		1.0000
19		5/27/2017 14:04:07	013SMPL_17E27m00.D	1705158-1 10X	Sample		1.0000
20		5/27/2017 14:07:07	014SMPL_17E27m00.D	1705158-1L 50X	Sample		1.0000
21		5/27/2017 14:10:06	015SMPL_17E27m00.D	1705158-1D 10X	Sample		1.0000
22		5/27/2017 14:13:06	016SMPL_17E27m00.D	1705158-1MS 10X	Sample		1.0000
23		5/27/2017 14:16:01	017SMPL_17E27m00.D	1705158-1MSD 10X	Sample		1.0000
24		5/27/2017 14:21:55	018SMPL_17E27m00.D	1705177-1 1000X	Sample		1.0000
25		5/27/2017 14:24:55	019SMPL_17E27m00.D	1705177-2 1000X	Sample		1.0000
26		5/27/2017 14:30:51	020SMPL_17E27m00.D	CCV	6-CCV		1.0000
27		5/27/2017 14:36:47	021SMPL_17E27m00.D	CCB	6-CCB		1.0000

	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
28		5/27/2017 14:40:31	022SMPL_17E27m00.D	1705177-3 1000X	Sample		1.0000
29		5/27/2017 14:43:31	023SMPL_17E27m00.D	1705202-1 100X	Sample		1.0000
30		5/27/2017 14:46:30	024SMPL_17E27m00.D	1705203-1 10X	Sample		1.0000
31		5/27/2017 14:49:26	025SMPL_17E27m00.D	1705212-1 10X	Sample		1.0000
32		5/27/2017 14:52:25	026SMPL_17E27m00.D	1705212-2 10X	Sample		1.0000
33		5/27/2017 14:55:26	027SMPL_17E27m00.D	1705212-3 10X	Sample		1.0000
34		5/27/2017 14:58:24	028SMPL_17E27m00.D	1705240-1 10X	Sample		1.0000
35		5/27/2017 15:01:23	029SMPL_17E27m00.D	1705242-1 10X	Sample		1.0000
36		5/27/2017 15:04:21	030SMPL_17E27m00.D	1705243-1 10X	Sample		1.0000
37		5/27/2017 15:07:18	031SMPL_17E27m00.D	1705369-1 10X	Sample		1.0000
38		5/27/2017 15:13:11	032SMPL_17E27m00.D	CCV	6-CCV		1.0000
39		5/27/2017 15:19:32	033SMPL_17E27m00.D	CCB	6-CCB		1.0000
40		5/27/2017 15:23:06	034SMPL_17E27m00.D	1705369-3 10X	Sample		1.0000
41		5/27/2017 15:26:05	035SMPL_17E27m00.D	1705376-1 10X	Sample		1.0000
42		5/27/2017 15:29:03	036SMPL_17E27m00.D	1705376-3 10X	Sample		1.0000
43		5/27/2017 15:32:01	037SMPL_17E27m00.D	1705376-5 10X	Sample		1.0000
44		5/27/2017 15:35:01	038SMPL_17E27m00.D	1705376-7 10X	Sample		1.0000
45		5/27/2017 15:37:58	039SMPL_17E27m00.D	1705380-1 1000X	Sample		1.0000
46		5/27/2017 16:07:39	044SMPL_17E27m00.D	CCV	6-CCV		1.0000
47		5/27/2017 16:13:34	045SMPL_17E27m00.D	CCB	6-CCB		1.0000
48		5/27/2017 16:16:34	046SMPL_17E27m00.D	IP170523-3MB 10X	6-CCB		1.0000
49		5/27/2017 16:19:33	047SMPL_17E27m00.D	IM170523-3LCS 10X	6-LCS		1.0000
50		5/27/2017 16:25:27	048SMPL_17E27m00.D	1705389-1 10X	Sample		1.0000
51		5/27/2017 16:28:27	049SMPL_17E27m00.D	1705349-2 10X	Sample		1.0000
52		5/27/2017 16:40:21	051SMPL_17E27m00.D	LCV	RLCV		1.0000
53		5/27/2017 16:43:21	052SMPL_17E27m00.D	CCV	6-CCV		1.0000
54		5/27/2017 16:49:16	053SMPL_17E27m00.D	CCB	6-CCB		1.0000
55		5/27/2017 16:52:16	054SMPL_17E27m00.D	1705460-1 100X	Sample		1.0000
56		5/27/2017 16:58:11	055SMPL_17E27m00.D	1705460-2 100X	Sample		1.0000
57		5/27/2017 17:04:07	056SMPL_17E27m00.D	1705461-1 100X	Sample		1.0000
58		5/27/2017 17:10:02	057SMPL_17E27m00.D	1705461-2 100X	Sample		1.0000
59		5/27/2017 17:15:58	058SMPL_17E27m00.D	1705462-1 100X	Sample		1.0000
60		5/27/2017 17:21:53	059SMPL_17E27m00.D	1705462-2 100X	Sample		1.0000

	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
61		5/27/2017 17:27:50	060SMPL_17E27m00.D	1705462-3 100X	Sample		1.0000
62		5/27/2017 17:33:46	061SMPL_17E27m00.D	1705462-4 100X	Sample		1.0000
63		5/27/2017 17:39:43	062SMPL_17E27m00.D	1705462-5 100X	Sample		1.0000
64		5/27/2017 17:45:39	063SMPL_17E27m00.D	1705462-6 100X	Sample		1.0000
65		5/27/2017 17:51:33	064SMPL_17E27m00.D	CCV	6-CCV		1.0000
66		5/27/2017 17:57:28	065SMPL_17E27m00.D	CCB	6-CCB		1.0000
67		5/27/2017 18:00:28	066SMPL_17E27m00.D	1705462-7 100X	Sample		1.0000
68		5/27/2017 18:06:23	067SMPL_17E27m00.D	1705462-8 100X	Sample		1.0000
69		5/27/2017 18:12:17	068SMPL_17E27m00.D	1705462-9 100X	Sample		1.0000
70		5/27/2017 18:18:12	069SMPL_17E27m00.D	1705462-10 100X	Sample		1.0000
71	On	5/27/2017 18:30:04	071SMPL_17E27m00.D	ZZZ	Sample		1.0000
72		5/27/2017 18:33:02	072SMPL_17E27m00.D	CCV	6-CCV		1.0000
73		5/27/2017 18:38:57	073SMPL_17E27m00.D	CCB	6-CCB		1.0000
74		5/27/2017 18:41:56	074SMPL_17E27m00.D	IP170524-6MB 10X	6-CCB		1.0000
75		5/27/2017 18:44:55	075SMPL_17E27m00.D	IM170524-6LCS 10X	6-LCS		1.0000
76		5/27/2017 18:50:51	076SMPL_17E27m00.D	1705277-22 10X	Sample		1.0000
77		5/27/2017 18:53:51	077SMPL_17E27m00.D	1705277-22L 50X	Sample		1.0000
78		5/27/2017 18:56:50	078SMPL_17E27m00.D	1705277-22D 10X	Sample		1.0000
79		5/27/2017 18:59:50	079SMPL_17E27m00.D	1705277-22MS 10X	Sample		1.0000
80		5/27/2017 19:02:48	080SMPL_17E27m00.D	1705277-22MSD 10X	Sample		1.0000
81		5/27/2017 19:05:45	081SMPL_17E27m00.D	1705277-22A 10X	Sample		1.0000
82		5/27/2017 19:11:39	082SMPL_17E27m00.D	1705277-23 10X	Sample		1.0000
83		5/27/2017 19:14:39	083SMPL_17E27m00.D	1705277-24 10X	Sample		1.0000
84		5/27/2017 19:20:34	084SMPL_17E27m00.D	CCV	6-CCV		1.0000
85		5/27/2017 19:26:30	085SMPL_17E27m00.D	CCB	6-CCB		1.0000
86		5/27/2017 19:29:31	086SMPL_17E27m00.D	1705277-25 10X	Sample		1.0000
87		5/27/2017 19:32:30	087SMPL_17E27m00.D	1705277-26 10X	Sample		1.0000
88		5/27/2017 19:35:28	088SMPL_17E27m00.D	1705277-27 10X	Sample		1.0000
89		5/27/2017 19:38:28	089SMPL_17E27m00.D	1705277-28 10X	Sample		1.0000
90		5/27/2017 19:41:26	090SMPL_17E27m00.D	1705277-29 10X	Sample		1.0000
91		5/27/2017 19:44:26	091SMPL_17E27m00.D	1705277-30 10X	Sample		1.0000
92		5/27/2017 19:47:25	092SMPL_17E27m00.D	1705277-31 10X	Sample		1.0000
93		5/27/2017 19:50:24	093SMPL_17E27m00.D	1705277-32 10X	Sample		1.0000

	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
94		5/27/2017 19:53:24	094SMPL_17E27m00.D	1705277-33 10X	Sample		1.0000
95		5/27/2017 19:56:23	095SMPL_17E27m00.D	1705277-34 10X	Sample		1.0000
96		5/27/2017 20:02:18	096SMPL_17E27m00.D	CCV	6-CCV		1.0000
97		5/27/2017 20:08:12	097SMPL_17E27m00.D	CCB	6-CCB		1.0000
98		5/27/2017 20:11:12	098SMPL_17E27m00.D	1705277-35 10X	Sample		1.0000
99		5/27/2017 20:14:10	099SMPL_17E27m00.D	1705277-36 10X	Sample		1.0000
100		5/27/2017 20:17:09	100SMPL_17E27m00.D	1705277-37 10X	Sample		1.0000
101		5/27/2017 20:20:08	101SMPL_17E27m00.D	1705277-38 10X	Sample		1.0000
102		5/27/2017 20:32:01	103SMPL_17E27m00.D	LCV	RLCV		1.0000
103		5/27/2017 20:34:59	104SMPL_17E27m00.D	CCV	6-CCV		1.0000
104		5/27/2017 20:40:54	105SMPL_17E27m00.D	CCB	6-CCB		1.0000
105		5/27/2017 20:43:53	106SMPL_17E27m00.D	IP170525-1MB 10X	6-CCB		1.0000
106		5/27/2017 20:46:53	107SMPL_17E27m00.D	IM170525-1LCS 10X	6-LCS		1.0000
107		5/27/2017 20:52:49	108SMPL_17E27m00.D	1704607-1 10X	Sample		1.0000
108		5/27/2017 20:55:48	109SMPL_17E27m00.D	1704607-1L 50X	Sample		1.0000
109		5/27/2017 20:58:49	110SMPL_17E27m00.D	1704607-1D 10X	Sample		1.0000
110		5/27/2017 21:01:48	111SMPL_17E27m00.D	1704607-1MS 10X	Sample		1.0000
111		5/27/2017 21:04:46	112SMPL_17E27m00.D	1704607-1MSD 10X	Sample		1.0000
112		5/27/2017 21:07:44	113SMPL_17E27m00.D	1704607-1A 10X	Sample		1.0000
113		5/27/2017 21:13:40	114SMPL_17E27m00.D	1704607-2 10X	Sample		1.0000
114		5/27/2017 21:16:41	115SMPL_17E27m00.D	1704607-3 10X	Sample		1.0000
115		5/27/2017 21:22:38	116SMPL_17E27m00.D	CCV	6-CCV		1.0000
116		5/27/2017 21:28:33	117SMPL_17E27m00.D	CCB	6-CCB		1.0000
117		5/27/2017 21:31:34	118SMPL_17E27m00.D	1704607-4 10X	Sample		1.0000
118		5/27/2017 21:34:33	119SMPL_17E27m00.D	1704607-5 10X	Sample		1.0000
119		5/27/2017 21:37:33	120SMPL_17E27m00.D	1704607-6 10X	Sample		1.0000
120		5/27/2017 21:40:35	121SMPL_17E27m00.D	1704607-7 10X	Sample		1.0000
121		5/27/2017 21:43:35	122SMPL_17E27m00.D	1704607-8 10X	Sample		1.0000
122		5/27/2017 21:46:34	123SMPL_17E27m00.D	1704607-9 10X	Sample		1.0000
123		5/27/2017 21:49:34	124SMPL_17E27m00.D	1704607-10 10X	Sample		1.0000
124		5/27/2017 21:52:33	125SMPL_17E27m00.D	1704607-11 10X	Sample		1.0000
125		5/27/2017 21:55:32	126SMPL_17E27m00.D	1704607-12 10X	Sample		1.0000
126		5/27/2017 21:58:32	127SMPL_17E27m00.D	1704607-13 10X	Sample		1.0000

	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
127		5/27/2017 22:04:28	128SMPL_17E27m00.D	CCV	6-CCV		1.0000
128		5/27/2017 22:10:22	129SMPL_17E27m00.D	CCB	6-CCB		1.0000
129		5/27/2017 22:13:22	130SMPL_17E27m00.D	1704607-14 10X	Sample		1.0000
130		5/27/2017 22:16:21	131SMPL_17E27m00.D	1704607-15 10X	Sample		1.0000
131		5/27/2017 22:19:21	132SMPL_17E27m00.D	1704607-16 10X	Sample		1.0000
132		5/27/2017 22:22:22	133SMPL_17E27m00.D	1704607-17 10X	Sample		1.0000
133		5/27/2017 22:25:23	134SMPL_17E27m00.D	1704607-18 10X	Sample		1.0000
134		5/27/2017 22:28:24	135SMPL_17E27m00.D	1704607-19 10X	Sample		1.0000
135		5/27/2017 22:40:16	137SMPL_17E27m00.D	LCV	RLCV		1.0000
136		5/27/2017 22:43:15	138SMPL_17E27m00.D	CCV	6-CCV		1.0000
137		5/27/2017 22:49:10	139SMPL_17E27m00.D	CCB	6-CCB		1.0000
138		5/27/2017 22:52:11	140SMPL_17E27m00.D	IP170525-2MB 10X	6-CCB		1.0000
139		5/27/2017 22:55:10	141SMPL_17E27m00.D	IM170525-2LCS 10X	6-LCS		1.0000
140		5/27/2017 23:01:06	142SMPL_17E27m00.D	1704607-20 10X	Sample		1.0000
141		5/27/2017 23:04:05	143SMPL_17E27m00.D	1704607-21 10X	Sample		1.0000
142		5/27/2017 23:07:04	144SMPL_17E27m00.D	1704607-22 10X	Sample		1.0000
143		5/27/2017 23:10:04	145SMPL_17E27m00.D	1704607-23 10X	Sample		1.0000
144		5/27/2017 23:13:01	146SMPL_17E27m00.D	1705291-4 10X	Sample		1.0000
145		5/27/2017 23:16:01	147SMPL_17E27m00.D	1705291-4L 50X	Sample		1.0000
146		5/27/2017 23:19:00	148SMPL_17E27m00.D	1705291-4D 10X	Sample		1.0000
147		5/27/2017 23:22:00	149SMPL_17E27m00.D	1705291-4MS 10X	Sample		1.0000
148		5/27/2017 23:27:54	150SMPL_17E27m00.D	CCV	6-CCV		1.0000
149		5/27/2017 23:33:49	151SMPL_17E27m00.D	CCB	6-CCB		1.0000
150		5/27/2017 23:36:48	152SMPL_17E27m00.D	1705291-4MSD 10X	Sample		1.0000
151		5/27/2017 23:39:47	153SMPL_17E27m00.D	1705291-4A 10X	Sample		1.0000
152		5/27/2017 23:51:39	155SMPL_17E27m00.D	LCV	RLCV		1.0000
153		5/27/2017 23:54:40	156SMPL_17E27m00.D	CCV	6-CCV		1.0000
154		5/28/2017 00:00:34	157SMPL_17E27m00.D	CCB	6-CCB		1.0000
155		5/28/2017 00:03:34	158SMPL_17E27m00.D	IP170525-3MB 10X	6-CCB		1.0000
156		5/28/2017 00:06:34	159SMPL_17E27m00.D	IM170525-3LCS 10X	6-LCS		1.0000
157	On	5/28/2017 00:12:29	160SMPL_17E27m00.D	ZZZ	Sample		1.0000
158		5/28/2017 00:15:30	161SMPL_17E27m00.D	1705407-1 10X	Sample		1.0000
159		5/28/2017 00:18:28	162SMPL_17E27m00.D	1705407-2 10X	Sample		1.0000

	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
160		5/28/2017 00:21:28	163SMPL_17E27m00.D	1705407-3 10X	Sample		1.0000
161		5/28/2017 00:24:29	164SMPL_17E27m00.D	1705454-1 10X	Sample		1.0000
162		5/28/2017 00:27:30	165SMPL_17E27m00.D	1705454-1L 50X	Sample		1.0000
163		5/28/2017 00:30:29	166SMPL_17E27m00.D	1705454-1D 10X	Sample		1.0000
164		5/28/2017 00:33:30	167SMPL_17E27m00.D	1705454-1MS 10X	Sample		1.0000
165		5/28/2017 00:39:25	168SMPL_17E27m00.D	CCV	6-CCV		1.0000
166		5/28/2017 00:45:20	169SMPL_17E27m00.D	CCB	6-CCB		1.0000
167		5/28/2017 00:48:21	170SMPL_17E27m00.D	1705454-1MSD 10X	Sample		1.0000
168		5/28/2017 00:51:19	171SMPL_17E27m00.D	1705454-1A 10X	Sample		1.0000
169		5/28/2017 00:57:15	172SMPL_17E27m00.D	1705496-1 10X	Sample		1.0000
170		5/28/2017 01:00:14	173SMPL_17E27m00.D	1705498-1 10X	Sample		1.0000
171		5/28/2017 01:12:08	175SMPL_17E27m00.D	LCV	RLCV		1.0000
172		5/28/2017 01:15:07	176SMPL_17E27m00.D	CCV	6-CCV		1.0000
173		5/28/2017 01:21:02	177SMPL_17E27m00.D	CCB	6-CCB		1.0000
174		5/28/2017 01:24:04	178SMPL_17E27m00.D	IP170524-4RBMB 10X	6-CCB		1.0000
175		5/28/2017 01:30:01	179SMPL_17E27m00.D	IP170524-4MB 10X	6-CCB		1.0000
176		5/28/2017 01:35:59	180SMPL_17E27m00.D	IM170524-4LCS 10X	6-LCS		1.0000
177		5/28/2017 01:41:54	181SMPL_17E27m00.D	IM170524-4LCSD 10X	6-LCS		1.0000
178		5/28/2017 01:47:50	182SMPL_17E27m00.D	1705104-1 10X	Sample		1.0000
179		5/28/2017 01:53:48	183SMPL_17E27m00.D	1705104-2 10X	Sample		1.0000
180		5/28/2017 01:59:44	184SMPL_17E27m00.D	1705104-3 10X	Sample		1.0000
181		5/28/2017 02:11:38	186SMPL_17E27m00.D	LCV	RLCV		1.0000
182		5/28/2017 02:14:38	187SMPL_17E27m00.D	CCV	6-CCV		1.0000
183		5/28/2017 02:20:32	188SMPL_17E27m00.D	CCB	6-CCB		1.0000
184		5/28/2017 02:23:33	189SMPL_17E27m00.D	FP170524-4MB 10X	6-CCB		1.0000
185		5/28/2017 02:26:35	190SMPL_17E27m00.D	FP170526-4MB 10X	6-CCB		1.0000
186		5/28/2017 02:29:36	191SMPL_17E27m00.D	IP170526-4MB 10X	6-CCB		1.0000
187		5/28/2017 02:32:37	192SMPL_17E27m00.D	IM170526-4LCS 10X	6-LCS		1.0000
188		5/28/2017 02:38:32	193SMPL_17E27m00.D	1705474-1 10X	Sample		1.0000
189		5/28/2017 02:41:33	194SMPL_17E27m00.D	1705474-2 10X	Sample		1.0000
190		5/28/2017 02:44:33	195SMPL_17E27m00.D	1705484-1 10X	Sample		1.0000
191		5/28/2017 02:47:33	196SMPL_17E27m00.D	1705520-1 10X	Sample		1.0000
192		5/28/2017 02:50:36	197SMPL_17E27m00.D	1705520-1L 50X	Sample		1.0000

	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
193		5/28/2017 02:53:36	198SMPL_17E27m00.D	1705520-1D 10X	Sample		1.0000
194		5/28/2017 02:59:33	199SMPL_17E27m00.D	CCV	6-CCV		1.0000
195		5/28/2017 03:05:28	200SMPL_17E27m00.D	CCB	6-CCB		1.0000
196		5/28/2017 03:08:29	201SMPL_17E27m00.D	1705520-1MS 10X	Sample		1.0000
197		5/28/2017 03:11:28	202SMPL_17E27m00.D	1705520-1MSD 10X	Sample		1.0000
198		5/28/2017 03:17:24	203SMPL_17E27m00.D	1705522-1 10X	Sample		1.0000
199		5/28/2017 03:20:24	204SMPL_17E27m00.D	1705522-2 10X	Sample		1.0000
200		5/28/2017 03:23:24	205SMPL_17E27m00.D	1705530-1 10X	Sample		1.0000
201		5/28/2017 03:26:25	206SMPL_17E27m00.D	1705531-1 10X	Sample		1.0000
202		5/28/2017 03:38:18	208SMPL_17E27m00.D	LCV	RLCV		1.0000
203		5/28/2017 03:41:16	209SMPL_17E27m00.D	CCV	6-CCV		1.0000
204		5/28/2017 03:47:11	210SMPL_17E27m00.D	CCB	6-CCB		1.0000
205		5/28/2017 03:50:13	211SMPL_17E27m00.D	IP170526-2MB 10X	6-CCB		1.0000
206		5/28/2017 03:53:15	212SMPL_17E27m00.D	IM170526-2LCS 10X	6-LCS		1.0000
207		5/28/2017 03:59:11	213SMPL_17E27m00.D	1705097-2 10X	Sample		1.0000
208		5/28/2017 04:02:12	214SMPL_17E27m00.D	1705097-2L 50X	Sample		1.0000
209		5/28/2017 04:05:12	215SMPL_17E27m00.D	1705097-2D 10X	Sample		1.0000
210		5/28/2017 04:08:11	216SMPL_17E27m00.D	1705097-2MS 10X	Sample		1.0000
211		5/28/2017 04:11:08	217SMPL_17E27m00.D	1705097-2MSD 10X	Sample		1.0000
212		5/28/2017 04:14:05	218SMPL_17E27m00.D	1705097-2A 10X	Sample		1.0000
213		5/28/2017 04:20:00	219SMPL_17E27m00.D	1705223-2 10X	Sample		1.0000
214		5/28/2017 04:22:59	220SMPL_17E27m00.D	1705324-2 10X	Sample		1.0000
215		5/28/2017 04:28:53	221SMPL_17E27m00.D	CCV	6-CCV		1.0000
216		5/28/2017 04:34:48	222SMPL_17E27m00.D	CCB	6-CCB		1.0000
217		5/28/2017 04:37:50	223SMPL_17E27m00.D	1705362-2 10X	Sample		1.0000
218		5/28/2017 04:40:50	224SMPL_17E27m00.D	1705489-2 10X	Sample		1.0000
219		5/28/2017 04:43:49	225SMPL_17E27m00.D	1705489-4 10X	Sample		1.0000
220		5/28/2017 04:46:48	226SMPL_17E27m00.D	1705514-1 10X	Sample		1.0000
221		5/28/2017 04:49:46	227SMPL_17E27m00.D	1705514-2 10X	Sample		1.0000
222		5/28/2017 04:52:46	228SMPL_17E27m00.D	1705514-3 10X	Sample		1.0000
223		5/28/2017 05:04:38	230SMPL_17E27m00.D	LCV	RLCV		1.0000
224		5/28/2017 05:07:37	231SMPL_17E27m00.D	CCV	6-CCV		1.0000
225		5/28/2017 05:13:32	232SMPL_17E27m00.D	CCB	6-CCB		1.0000

	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
226		5/28/2017 05:16:35	233SMPL_17E27m00.D	IP170526-1MB 10X	6-CCB		1.0000
227		5/28/2017 05:19:36	234SMPL_17E27m00.D	IM170526-1LCS 10X	6-LCS		1.0000
228		5/28/2017 05:22:35	235SMPL_17E27m00.D	1704512-3 10X	Sample		1.0000
229		5/28/2017 05:25:36	236SMPL_17E27m00.D	1705410-1 10X	Sample		1.0000
230		5/28/2017 05:28:38	237SMPL_17E27m00.D	1705410-1L 50X	Sample		1.0000
231		5/28/2017 05:31:39	238SMPL_17E27m00.D	1705410-1D 10X	Sample		1.0000
232		5/28/2017 05:34:40	239SMPL_17E27m00.D	1705410-1MS 10X	Sample		1.0000
233		5/28/2017 05:37:41	240SMPL_17E27m00.D	1705410-1MSD 10X	Sample		1.0000
234		5/28/2017 05:40:41	241SMPL_17E27m00.D	1705410-3 10X	Sample		1.0000
235		5/28/2017 05:49:38	243SMPL_17E27m00.D	LCV	RLCV		1.0000
236		5/28/2017 05:52:37	244SMPL_17E27m00.D	CCV	6-CCV		1.0000
237		5/28/2017 05:58:32	245SMPL_17E27m00.D	CCB	6-CCB		1.0000

Analyte Table

		7 Li [1]		9 Be [1]		11 B [1]		23 Na [2]		26 Mg [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	blank	0.0031	1046.04	0.0022	25.33	0.0713	1780.12	1.7272	15014.11	0.0838	13.33
2	blank	0.0000	980.71	0.0018	24.00	0.0552	1841.24	0.0803	15744.65	0.1893	20.00
3	blank	-0.0014	950.03	0.0020	25.33	0.0085	1594.54	-0.3979	15437.75	-0.0001	10.00
4	blank	0.0000	980.03	0.0000	10.67	0.0000	1563.43	0.0000	15998.32	0.0000	10.00
5	H/1000										
6	H/100	11.3019	242968.77	0.5094	3827.13	10.0932	46828.44	1078.7584	403176.92	102.6649	5647.87
7	H/10	103.9868	2227469.75	4.9489	36293.69	95.2506	419315.09	9987.4447	3525694.95	978.1158	52583.38
8	HIGH	999.5883	21403434.00	50.0050	358415.08	1000.4740	4290640.52	100000.4679	34628087.82	10002.1618	529486.08
9	ICV	195.3229	4183091.42	9.7310	69451.78	189.4123	810111.38	19785.7653	6733589.90	2014.5686	104638.31
10	ICB	0.0168	1340.73	-0.0001	10.00	0.5421	3810.48	0.7318	15257.57	0.6627	43.33
11	LIV	2.0786	45485.31	0.0484	359.34	14.5600	64284.90	106.9179	51918.47	11.6506	620.04
12	ICSA	0.0594	2252.17	0.0027	32.00	0.4955	4001.63	26664.5757	9054571.12	10561.1346	547547.64
13	ICSAB	101.2755	2169417.42	4.6741	35544.80	91.6026	418201.17	36382.6786	12390037.32	11463.2122	596338.19
14	CCV	103.7609	2222633.25	4.7415	35570.18	93.0957	419258.81	9954.0972	3602076.20	968.0892	53346.09
15	CCB	0.0513	2077.50	0.0002	12.67	0.7783	5129.74	-1.1763	16081.71	0.4702	36.67
16	IP170523-1MB ...	0.0581	2224.83	-0.0005	7.33	0.5331	4044.98	0.5001	16398.66	0.6576	46.67
17	IM170523-1LCS...	197.0510	4220092.92	9.1716	69252.97	184.4175	834471.74	1989.1414	732904.99	1873.7048	103265.92
18	1705095-1 1000X	37.7597	809463.16	0.0020	25.33	29.9537	132570.15	40075.7396	14140511.04	2438.1240	131433.96
19	1705158-1 10X	31.0134	665016.42	0.0026	32.00	223.5124	1042512.28	91182.8472	31613607.03	160.6338	8519.19
20	1705158-1L 50X	6.4523	139132.84	0.0008	17.33	47.7287	221143.09	17238.2398	6277022.62	29.5254	1650.18
21	1705158-1D 10X	30.4933	653880.44	0.0025	30.67	223.6192	1046943.22	88661.2077	30831275.37	150.4651	8002.26
22	1705158-1MS 10X	229.9922	4925405.83	9.0701	70230.98	427.9045	1983432.07	91851.7421	31755425.36	2099.3234	110964.65
23	1705158-1MSD ...	235.3951	5041087.00	9.3246	71542.22	442.4958	2032364.15	93061.9031	32439467.85	2130.7570	113532.01
24	1705177-1 1000X	4.6426	100383.66	0.0017	24.00	18.8438	85843.01	13169.9684	4749773.68	322.4941	17736.73
25	1705177-2 1000X	6.0097	129655.24	0.0010	18.67	22.8549	102795.62	17396.9518	6223892.20	412.8968	22542.59
26	CCV	106.1070	2272866.33	4.8782	36234.21	95.5826	426200.26	10152.4248	3691992.03	990.8522	54877.31
27	CCB	0.1214	3579.08	0.0002	12.67	1.9383	10391.07	2.6824	17616.64	0.3427	30.00
28	1705177-3 1000X	15.0349	322896.35	0.0003	13.33	8.5997	39497.98	9001.2897	3235569.53	233.8309	12798.72
29	1705202-1 100X	8.0835	174058.48	0.0012	19.33	115.1753	502471.08	50839.0934	17627689.32	230.4199	12218.32
30	1705203-1 10X	63.6340	1363464.79	-0.0002	9.33	1227.6614	5239034.93	486500.7671	1.57148E+08	1129.0110	55783.89
31	1705212-1 10X	1.2315	27347.63	0.0047	46.67	33.0600	151923.56	573.3979	221337.65	37.2891	2050.22

Analyte Table

		7 Li [1]		9 Be [1]		11 B [1]		23 Na [2]		26 Mg [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	1705212-2 10X	0.3728	8962.42	0.0046	45.33	7.8245	36612.73	163.8187	75025.92	35.8881	1983.55
33	1705212-3 10X	0.2507	6347.23	0.0006	15.33	5.6661	26754.48	77.6024	43601.52	21.4147	1176.78
34	1705240-1 10X	7.4094	159624.18	0.0008	17.33	11.5717	54190.10	23060.1295	8399380.50	61.2519	3413.84
35	1705242-1 10X	7.7434	166775.97	0.0001	12.00	11.3481	52256.45	25337.1472	8848581.95	66.7954	3573.88
36	1705243-1 10X	61.2422	1312253.04	0.0008	18.00	58.4937	273329.56	75716.3794	26680090.44	141.1559	7612.08
37	1705369-1 10X	774.4482	16582899.33	0.0169	158.00	610.1075	3132804.74	230350.1478	77671523.84	312.3776	16111.70
38	CCV	104.4099	2236529.17	4.6899	35306.31	96.1652	434519.42	10012.5270	3652643.80	972.5455	54031.66
39	CCB	0.1909	5067.47	-0.0002	9.33	2.5943	13501.03	21.5986	24361.92	0.2890	26.67
40	1705369-3 10X	0.6139	14124.61	0.0000	11.33	4.6543	22625.22	125.6443	61470.84	0.8392	56.67
41	1705376-1 10X	71.9947	1542477.21	0.0061	63.33	2461.3292	12371980.62	299299.2773	99643588.52	220.9498	11257.61
42	1705376-3 10X	112.0305	2399695.67	0.0040	42.67	2191.6993	10270062.65	436650.8509	1.43370E+08	522.5100	26241.39
43	1705376-5 10X	96.4770	2066674.29	0.0019	27.33	2051.0084	9955011.55	368164.7889	1.23462E+08	223.5370	11464.43
44	1705376-7 10X	101.6569	2177583.08	0.0029	36.00	2122.2984	10456746.53	386098.1626	1.29398E+08	227.9724	11691.25
45	1705380-1 1000X	4.9797	107601.74	-0.0008	5.33	94.6942	436227.19	30602.9548	11168775.25	764.9081	42645.04
46	CCV	105.5470	2260874.25	4.7030	35583.60	96.7952	439586.55	10165.3613	3697884.22	1003.8128	55606.57
47	CCB	0.1182	3511.06	0.0004	14.67	3.8482	19428.99	30.9028	27764.13	-0.0024	10.00
48	IP170523-3MB ...	0.1425	4031.18	-0.0003	9.33	3.2106	16363.54	28.6049	27329.91	0.5696	43.34
49	IM170523-3LCS...	104.8188	2245282.75	4.6041	35164.04	95.5644	438108.69	1044.7357	399585.57	962.6733	54007.87
50	1705389-1 10X	0.1806	4847.39	0.0003	14.00	4.8022	24338.57	53.7651	36450.68	2.4672	150.01
51	1705349-2 10X	0.1794	4821.40	0.0000	11.33	4.8188	23943.65	77.3318	44654.27	6.8053	390.02
52	LCV	2.1061	46074.31	0.0454	333.34	16.0967	70033.98	125.6627	57279.37	11.0831	580.03
53	CCV	102.4943	2195513.08	4.7147	34856.74	94.8232	420791.01	10146.2152	3623538.38	991.3509	53897.85
54	CCB	0.0809	2712.24	0.0001	11.33	1.6878	9170.33	15.7674	21531.31	0.6254	43.34
55	1705460-1 100X	136.4619	2922802.33	0.0002	12.67	130.2227	581176.83	10240.4677	3564338.70	518.9138	27510.38
56	1705460-2 100X	3273.5524	70091890.67	-0.0005	7.33	321.3299	1487323.52	129.0990	63986.84	5355.8275	301463.44
57	1705461-1 100X	64.8748	1390030.83	-0.0009	4.67	58.4160	269046.26	26314.0201	9614183.61	241.3250	13472.67
58	1705461-2 100X	1174.2804	25143814.00	-0.0004	8.00	259.6850	1163419.33	1526.2103	558778.66	7435.6642	404511.28
59	1705462-1 100X	105.0247	2249692.50	-0.0008	5.33	96.8595	439020.58	8407.2757	3052330.37	360.0205	19892.54
60	1705462-2 100X	127.7896	2737117.17	-0.0011	2.67	118.2666	537326.75	9077.1153	3306647.45	447.9454	24855.99
61	1705462-3 100X	130.3974	2792953.25	-0.0005	7.33	124.2363	559787.08	9258.9062	3367399.95	451.5499	25009.70
62	1705462-4 100X	130.4367	2793796.00	-0.0007	6.00	123.1648	558516.09	8649.7601	3219178.91	442.9822	25096.28

Analyte Table

		7 Li [1]		9 Be [1]		11 B [1]		23 Na [2]		26 Mg [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
63	1705462-5 100X	138.8571	2974087.25	-0.0012	2.00	131.4669	592564.27	8543.2946	3125139.12	498.4254	27750.73
64	1705462-6 100X	176.8533	3787634.25	-0.0011	2.67	170.5921	766832.83	8452.1767	3086231.72	637.9190	35445.19
65	CCV	104.6565	2241809.25	4.6403	35168.79	92.6789	421709.87	10015.9108	3664032.34	979.1236	54556.20
66	CCB	0.3008	7420.35	-0.0001	10.67	1.5257	8570.03	8.6794	19605.64	0.1147	16.67
67	1705462-7 100X	266.1727	5700076.00	-0.0003	8.67	277.8704	1248163.46	7434.1214	2721702.77	960.3602	53463.08
68	1705462-8 100X	724.7703	15519232.00	-0.0007	6.00	463.7635	2100642.21	3483.5447	1297866.41	2511.3097	141286.91
69	1705462-9 100X	82.0018	1756742.50	-0.0002	10.00	78.3031	358971.48	6849.0064	2514253.92	279.1953	15581.12
70	1705462-10 100X	1524.7931	32648736.00	0.0001	12.00	144.7307	656885.44	1435.7437	542081.96	49.0591	2757.05
71	ZZZ										
72	CCV	104.2876	2233909.08	4.6532	35229.53	92.0913	418569.35	9899.7338	3618573.28	955.3467	53178.91
73	CCB	0.3763	9037.13	-0.0003	8.67	1.2866	7482.86	6.2494	18604.41	0.4133	33.33
74	IP170524-6MB ...	0.2604	6555.31	-0.0007	6.00	0.9516	5879.98	10.7161	20119.67	0.4808	36.67
75	IM170524-6LCS...	105.1405	2252171.33	4.8779	36604.97	94.3280	424948.74	1029.2058	387668.89	981.5657	54195.30
76	1705277-22 10X	3.4818	75529.91	0.1659	1273.39	2.0527	10985.90	56.8990	37717.16	639.4654	36300.45
77	1705277-22L 50X	0.9685	21715.96	0.0367	292.67	1.2255	7261.64	15.4329	22339.21	131.5943	7485.31
78	1705277-22D 10X	3.8173	82712.20	0.2086	1598.09	1.5265	8585.58	78.0016	44684.01	803.3936	44733.91
79	1705277-22MS ...	113.2733	2426305.33	5.1023	38777.10	92.9159	423927.86	1090.4037	409344.16	1836.1893	101271.48
80	1705277-22MSD...	118.6769	2542004.08	5.4275	41354.42	95.4728	436681.55	1129.8209	426930.35	2381.8945	132400.87
81	1705277-22A 10X	159.6902	3420150.08	5.9287	45584.44	100.4858	463677.47	2559.1477	946880.01	4032.1567	224252.17
82	1705277-23 10X	10.6921	229912.18	0.4094	3123.65	4.4111	21691.72	81.4014	45767.15	2782.9594	154401.07
83	1705277-24 10X	5.2213	112775.01	0.2413	1846.78	2.4961	12996.19	57.9893	37563.34	1071.0458	59893.98
84	CCV	103.3385	2213587.50	4.7177	35948.44	92.6060	423591.95	10162.5952	3704018.90	991.2591	55018.24
85	CCB	0.2397	6113.15	0.0005	15.33	1.1036	6734.77	3.2861	17846.86	0.4666	36.67
86	1705277-25 10X	14.2899	306944.90	0.6493	4809.38	5.3168	25104.21	343.6465	139717.74	3461.6164	190467.18
87	1705277-26 10X	7.6243	164225.62	0.3998	2994.96	2.6512	13442.11	172.0490	78153.83	1729.4661	95353.94
88	1705277-27 10X	8.4781	182506.84	0.4542	3387.70	2.9689	14807.67	78.3222	44915.14	2117.4311	118160.46
89	1705277-28 10X	2.0709	45320.22	0.1230	934.03	1.0544	6351.28	44.6342	32406.34	390.2745	21648.18
90	1705277-29 10X	5.3384	115281.03	0.2602	1973.47	1.9397	10372.18	51.9021	35121.34	1184.3728	65833.42
91	1705277-30 10X	3.8864	84192.01	0.1292	983.37	1.0811	6490.21	36.2625	29573.92	477.0194	26642.02
92	1705277-31 10X	13.6804	293894.02	0.6824	5176.16	7.4812	35498.13	160.9061	74383.17	3620.1455	200261.00
93	1705277-32 10X	1.8842	41323.43	0.1033	801.36	1.0393	6409.07	34.5252	29800.88	320.0901	18410.77

Analyte Table

		7 Li [1]		9 Be [1]		11 B [1]		23 Na [2]		26 Mg [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
94	1705277-33 10X	12.6990	272881.99	0.8811	6734.71	5.7836	28033.27	178.2217	82016.14	3325.7184	187079.76
95	1705277-34 10X	5.1974	112262.75	0.2446	1868.12	1.5924	8867.97	68.6195	41709.80	1131.7147	63685.33
96	CCV	107.0577	2293221.17	4.8104	36739.29	93.1520	427075.62	10166.8761	3724932.76	997.8467	55670.05
97	CCB	0.1706	4632.67	-0.0006	6.67	0.7435	5135.30	2.1168	17476.50	0.2276	23.33
98	1705277-35 10X	3.9632	85838.18	0.2124	1635.43	2.0782	11157.13	63.0368	39533.61	849.9865	47719.23
99	1705277-36 10X	2.3078	50393.04	0.1125	862.03	0.9758	6045.61	39.9368	31176.66	395.5167	22275.59
100	1705277-37 10X	2.4443	53314.66	0.1476	1122.05	0.8842	5603.23	35.4078	29173.03	495.7879	27610.31
101	1705277-38 10X	3.9460	85468.39	0.1797	1364.07	1.8793	10085.34	35.1981	28976.05	902.3703	50022.23
102	LCV	2.3163	50575.61	0.0458	366.01	13.5641	64462.45	106.1034	55697.32	10.8560	623.37
103	CCV	103.3077	2212929.17	4.7229	35144.03	92.6174	413742.21	10126.9771	3649738.90	975.0091	53513.10
104	CCB	0.1425	4031.18	-0.0003	8.67	0.6258	4446.20	2.2997	17142.76	0.0556	13.33
105	IP170525-1MB ...	0.0665	2404.86	-0.0003	8.67	0.4196	3529.30	5.2573	18367.46	0.5288	40.00
106	IM170525-1LCS...	108.9812	2334404.83	5.0593	38499.81	94.4909	431642.67	1012.9582	386437.21	978.3982	54680.54
107	1704607-1 10X	6.5400	141009.64	0.2509	1901.45	1.8667	10034.21	30.5510	27186.53	2584.1134	142645.41
108	1704607-1L 50X	1.4257	31505.18	0.0488	373.34	0.8300	5290.90	4.4689	17569.83	528.1946	28842.47
109	1704607-1D 10X	5.1228	110665.35	0.2347	1754.77	1.5567	8523.34	27.2846	25824.27	2106.9742	115502.34
110	1704607-1MS 10X	114.1730	2445568.67	5.3058	39393.15	74.5039	332394.57	1064.5782	390426.82	4064.5325	218791.51
111	1704607-1MSD ...	111.4620	2387523.00	5.2878	39470.70	76.6720	343882.87	1019.7190	378121.74	3514.9865	190966.65
112	1704607-1A 10X	164.3888	3520752.50	6.2776	46740.19	102.4021	457552.71	2521.8391	924041.34	5959.9004	328180.75
113	1704607-2 10X	3.7761	81832.11	0.1234	942.70	2.3649	12302.37	53.2142	35502.46	1267.2880	70254.10
114	1704607-3 10X	10.3214	221973.40	0.3191	2352.18	3.7367	17981.85	53.2416	34513.32	4458.9085	240169.96
115	CCV	105.8071	2266443.75	4.8785	36562.95	93.5947	421073.43	10369.4226	3732176.71	1006.3364	55171.48
116	CCB	0.1811	4858.06	0.0006	15.33	1.0107	6070.05	-0.4432	15974.89	0.4842	36.67
117	1704607-4 10X	2.7437	59725.76	0.1436	1065.38	1.4300	7870.81	16.7816	21748.51	1049.9022	56760.46
118	1704607-5 10X	7.4076	159586.22	0.2549	1828.11	6.6063	29723.78	3066.5976	1069670.69	8901.8382	468055.75
119	1704607-6 10X	3.3077	71801.21	0.0980	732.69	1.4322	7895.27	60.4136	36798.25	1233.0691	65980.51
120	1704607-7 10X	2.3334	50941.40	0.0724	544.01	1.0867	6373.51	28.0812	26144.67	799.8048	43915.56
121	1704607-8 10X	4.2257	91457.38	0.1185	882.70	1.3215	7403.93	47.4994	32606.13	1496.2804	80875.84
122	1704607-9 10X	3.3844	73444.81	0.0999	762.69	1.2865	7415.03	29.8303	26976.10	1220.1265	67503.04
123	1704607-10 10X	5.7591	124290.67	0.2256	1676.10	1.5349	8368.81	26.4185	25313.33	2096.0679	114025.22
124	1704607-11 10X	3.9499	85551.55	0.1437	1064.71	1.4586	7980.85	106.5507	54199.44	1416.8532	77626.17

Analyte Table

		7 Li [1]		9 Be [1]		11 B [1]		23 Na [2]		26 Mg [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
125	1704607-12 10X	3.9941	86498.95	0.1384	1019.37	3.7275	17826.19	1769.0061	625175.42	5670.5883	298932.99
126	1704607-13 10X	6.0710	130968.07	0.2867	2098.15	4.6432	21790.75	1403.1771	500581.45	6920.7759	365926.86
127	CCV	106.2010	2274877.58	4.8159	35992.42	93.4264	419151.32	10129.3326	3652207.34	973.3788	53446.07
128	CCB	0.1139	3417.71	0.0008	16.67	0.5441	4006.09	-2.5129	15324.31	0.5949	43.33
129	1704607-14 10X	4.5110	97566.34	0.1572	1136.05	3.9447	18441.22	1143.2269	407885.14	5032.5533	264327.39
130	1704607-15 10X	2.3123	50489.26	0.0830	604.02	1.6431	8571.15	222.0745	92195.31	1797.4092	94977.95
131	1704607-16 10X	5.6003	120890.07	0.1721	1220.05	6.0850	27102.76	2451.5736	847179.65	9654.0500	501052.59
132	1704607-17 10X	6.2394	134574.35	0.1839	1342.73	4.8429	22533.90	719.7268	263521.45	4381.6053	230989.32
133	1704607-18 10X	7.0157	151195.90	0.3138	2290.84	1.8439	9579.48	53.4491	34243.03	2836.4294	151275.64
134	1704607-19 10X	1.7532	38517.51	0.1130	842.03	0.7780	5013.03	10.1032	19662.29	582.8562	31954.75
135	LCV	2.2001	48086.48	0.0464	350.01	13.6355	61207.34	103.7065	52654.23	10.0216	553.41
136	CCV	101.4798	2173790.75	4.8727	34622.27	95.1094	405651.33	10156.3256	3552917.65	1010.4150	53833.78
137	CCB	0.0961	3036.97	-0.0005	6.67	0.5784	4008.31	-0.9120	15437.76	0.3130	26.67
138	IP170525-2MB ...	0.0413	1864.12	-0.0001	10.00	0.2976	2802.50	-0.5808	15597.86	0.4391	33.33
139	IM170525-2LCS...	101.9261	2183347.08	4.9529	35088.49	95.1918	404851.62	1015.1207	369447.78	967.9779	51613.78
140	1704607-20 10X	5.2632	113672.51	0.3493	2498.87	2.7965	13446.55	597.5834	219979.73	4423.7471	231738.01
141	1704607-21 10X	7.3090	157475.83	0.3052	2188.83	3.8107	17814.96	52.7702	33277.66	4041.2091	210879.60
142	1704607-22 10X	5.5019	118783.33	0.2628	1906.13	2.0299	10307.68	78.6388	44123.17	2192.7116	119911.83
143	1704607-23 10X	6.5151	140476.72	0.3602	2571.54	5.2031	23663.30	1590.1150	560244.09	9338.6872	489414.28
144	1705291-4 10X	1.7157	37715.07	0.5379	3857.81	5.3118	24268.55	7.9239	18247.49	433.4943	22973.23
145	1705291-4L 50X	0.4276	10136.42	0.1075	780.69	1.3589	7368.36	-2.9751	14733.73	87.6744	4734.23
146	1705291-4D 10X	1.8025	39574.64	0.3619	2684.24	5.2835	24940.60	7.7999	18414.22	446.7888	23947.90
147	1705291-4MS 10X	107.1605	2295421.75	5.3412	40040.63	91.3537	411172.61	1004.7724	360933.08	1509.9389	79438.75
148	CCV	100.1046	2144346.25	4.8433	34578.85	93.7459	401789.71	10027.5307	3549184.32	964.6696	51978.17
149	CCB	0.1193	3533.73	-0.0003	8.67	0.6862	4489.56	-1.3977	15224.24	0.5726	40.00
150	1705291-4MSD ...	105.1512	2252399.67	5.3463	38886.00	92.4659	403813.81	1015.9021	370245.12	1613.4021	86147.21
151	1705291-4A 10X	160.1541	3430082.50	6.4571	47696.86	105.4613	467466.60	2611.1104	905942.41	3975.2544	207385.11
152	LCV	2.2414	48970.89	0.0481	361.34	14.3601	64164.56	99.2241	52530.52	9.3206	530.03
153	CCV	103.3173	2213134.00	4.9268	35115.92	95.5756	408868.70	10432.5078	3611763.28	994.8486	52443.22
154	CCB	0.1154	3451.05	-0.0002	9.33	0.8587	5335.35	-1.6616	15347.77	0.0005	10.00
155	IP170525-3MB ...	0.0439	1920.79	0.0003	12.67	0.6622	4447.31	-1.6813	15404.35	0.7323	50.00

Analyte Table

		7 Li [1]		9 Be [1]		11 B [1]		23 Na [2]		26 Mg [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
156	IM170525-3LCS...	104.8062	2245013.42	4.9869	35934.27	96.0397	415379.20	998.5634	359001.17	971.3764	51125.68
157	ZZZ										
158	1705407-1 10X	9.4854	204075.52	0.5780	4251.89	25.1068	111768.02	797.8928	300193.58	3146.6649	171448.10
159	1705407-2 10X	4.5419	98227.33	0.2322	1730.77	4.6609	22239.09	73.9913	42184.15	1412.8302	76766.16
160	1705407-3 10X	7.6609	165010.62	0.3745	2754.24	9.8630	44806.55	242.3124	99495.79	2476.8430	131297.09
161	1705454-1 10X	7.0678	152310.02	0.1387	1040.71	1.1616	6758.10	173.5221	78352.00	3012.0701	165342.06
162	1705454-1L 50X	1.5152	33422.77	0.0264	205.33	0.6558	4479.54	33.0092	27520.30	598.0730	32375.57
163	1705454-1D 10X	8.3459	179676.90	0.1634	1238.72	0.8667	5516.52	201.2000	88395.15	3613.1240	198611.05
164	1705454-1MS 10X	118.5528	2539346.75	5.3058	39549.58	96.2090	430463.18	1302.9335	472838.60	4717.3183	253133.39
165	CCV	103.7776	2222989.08	4.7217	34998.99	93.8653	417674.77	10090.5405	3610716.09	998.5135	54412.69
166	CCB	0.0908	2923.61	0.0012	20.67	0.8770	5643.23	-4.2962	14817.20	0.2975	26.67
167	1705454-1MSD ...	120.2440	2575556.17	5.2648	40171.67	94.4446	432639.74	1261.8307	474173.29	4502.5167	249910.58
168	1705454-1A 10X	169.2359	3624534.58	6.1342	46658.58	101.1169	461531.25	2757.1757	1001264.91	6594.8417	360415.74
169	1705496-1 10X	16.5764	355902.54	0.5705	4190.55	16.5883	74287.36	3862.5254	1360761.59	6253.0631	333037.17
170	1705498-1 10X	0.2521	6377.96	0.0072	62.67	1.3368	7391.70	3.8290	17646.67	12.2776	690.05
171	LCV	2.1090	46135.70	0.0459	336.01	14.1680	61724.54	99.4957	50939.19	9.9944	550.03
172	CCV	96.4956	2067074.33	4.6775	33370.47	90.6496	388290.02	9997.0523	3507364.32	961.9089	51399.84
173	CCB	0.1152	3447.04	0.0006	14.67	0.7423	4617.35	-1.6600	14780.48	0.0699	13.33
174	IP170524-4RBM...	0.0078	1148.05	-0.0005	7.33	0.9394	5646.57	11.4546	20827.29	-0.0651	6.67
175	IP170524-4MB ...	-0.0067	836.70	-0.0002	9.33	0.5023	3822.71	6.2704	19318.59	0.8549	60.00
176	IM170524-4LCS...	84.3076	1806111.79	3.7712	28180.50	78.1009	350600.59	1000.8904	393537.70	930.6915	53576.77
177	IM170524-4LCS...	83.7497	1794167.79	3.7060	27724.45	77.4043	347896.68	988.2263	381560.77	942.8726	53269.25
178	1705104-1 10X	-0.0018	940.70	-0.0008	4.67	0.6074	4330.62	7.3479	19705.91	0.5604	43.33
179	1705104-2 10X	-0.0089	790.02	0.0003	13.33	0.3362	3132.56	9.4979	20503.46	9.0456	533.37
180	1705104-3 10X	-0.0155	647.35	-0.0005	7.33	0.0914	2053.49	7.5250	19555.62	10.9727	636.72
181	LCV	1.9996	43794.94	0.0408	318.00	13.0920	60512.65	121.8662	63793.26	10.2395	610.04
182	CCV	97.3964	2086360.63	4.2996	32206.91	88.0510	396054.09	10369.3552	3843233.07	1024.2578	57813.63
183	CCB	0.0175	1354.74	-0.0012	2.00	0.4436	3631.55	13.1680	21631.47	-0.0676	6.67
184	FP170524-4MB...	0.0123	1244.06	-0.0006	6.67	0.3342	3106.99	13.6739	21818.55	0.2831	26.67
185	FP170526-4MB...	0.0089	1170.72	-0.0009	4.00	0.2872	2930.30	11.3833	20907.20	0.5742	43.33
186	IP170526-4MB ...	0.0062	1112.71	-0.0005	7.33	0.2141	2582.46	10.7768	21181.00	0.5623	43.33

Analyte Table

		7 Li [1]		9 Be [1]		11 B [1]		23 Na [2]		26 Mg [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
187	IM170526-4LCS...	98.0636	2100646.67	4.3445	32671.77	88.9042	401439.69	1030.7710	404854.06	970.4149	55884.26
188	1705474-1 10X	1.6723	36786.43	0.0052	50.00	5.9091	28176.81	2220.3212	845753.03	2325.2227	132794.33
189	1705474-2 10X	4.0555	87813.72	0.0001	11.33	13.0476	59505.44	9892.6699	3603029.01	7961.5759	441491.02
190	1705484-1 10X	3.4950	75812.57	-0.0008	5.33	8.0151	37347.62	25746.7861	9387219.03	136.4458	7605.43
191	1705520-1 10X	0.1636	4482.65	-0.0006	6.67	1.1922	6820.35	975.3659	370859.34	111.0376	6188.04
192	1705520-1L 50X	0.0346	1721.44	-0.0003	8.67	0.4150	3428.17	195.5162	88682.49	24.6993	1406.80
193	1705520-1D 10X	0.1260	3677.10	0.0001	11.33	0.9266	5727.72	928.5365	362018.03	107.6640	6134.72
194	CCV	96.2294	2061374.00	4.4155	32530.22	88.5218	391556.76	10278.8397	3764474.74	1005.2108	56071.58
195	CCB	0.0255	1526.75	0.0000	11.33	0.4569	3689.34	7.7648	19825.83	0.3942	33.33
196	1705520-1MS 10X	95.5980	2047854.29	4.3248	31654.58	90.4033	397225.98	1966.3030	718739.10	1079.6378	59014.49
197	1705520-1MSD ...	96.1464	2059597.04	4.5258	33618.29	93.7082	417836.77	1973.1596	751240.93	1102.4827	62791.79
198	1705522-1 10X	1.6352	35991.43	0.0004	14.00	8.3316	38672.85	28434.5498	10275901.93	15.7560	880.07
199	1705522-2 10X	2.9208	63517.25	0.0004	14.00	8.7441	40353.36	37421.5254	13619563.97	98.3417	5477.84
200	1705530-1 10X	1.1979	26629.56	0.0033	36.00	2.5437	13084.05	1584.0698	603041.07	216.7902	12284.99
201	1705531-1 10X	0.1623	4455.95	0.0004	14.00	1.0115	6158.98	531.4817	214464.02	144.0146	8215.71
202	LCV	2.0109	44036.86	0.0441	340.68	13.1788	60523.63	112.1794	58299.70	11.1539	643.38
203	CCV	95.5230	2046248.54	4.3982	32354.56	89.0020	393094.89	10224.9205	3745427.65	1001.9107	55911.25
204	CCB	0.0267	1551.42	-0.0003	8.67	0.6491	4539.56	5.4592	18887.96	0.0465	13.33
205	IP170526-2MB ...	0.0026	1036.04	-0.0003	8.67	0.3095	2993.64	3.2002	18147.39	0.8536	60.00
206	IM170526-2LCS...	99.1666	2124263.25	4.4502	32773.32	88.5159	391391.29	988.6755	383969.93	949.1819	53941.29
207	1705097-2 10X	18.4965	397012.98	0.5517	4193.89	6.2697	30071.12	602.8403	239704.35	6544.8107	370469.47
208	1705097-2L 50X	3.7711	81723.70	0.1150	864.03	1.7778	9489.43	125.0417	62454.78	1343.1504	75560.72
209	1705097-2D 10X	17.4297	374173.01	0.5101	3827.80	6.5926	31127.46	614.8360	241838.70	6414.9363	359725.94
210	1705097-2MS 10X	119.0470	2549928.08	5.0823	38176.46	86.2852	389233.41	1647.7438	608185.08	8510.7015	467711.62
211	1705097-2MSD ...	119.7255	2564455.17	5.0783	38068.16	87.3194	393047.43	1521.0383	577876.40	8126.9306	458705.62
212	1705097-2A 10X	162.8003	3486740.83	5.8173	43866.66	98.0588	443802.98	3172.6948	1190395.03	10138.8722	573688.81
213	1705223-2 10X	22.2236	476815.16	0.6974	5456.24	7.4050	36269.75	410.0641	170590.32	7678.1734	440436.63
214	1705324-2 10X	20.8376	447139.76	0.6064	4752.70	6.8309	33614.30	287.3201	123912.36	7001.9629	399522.04
215	CCV	100.1207	2144692.33	4.2900	33735.20	86.2564	407442.02	10270.4937	3909779.11	995.0734	57690.58
216	CCB	0.0694	2465.53	0.0002	13.33	0.7575	5239.76	1.8645	17950.42	0.2131	23.33
217	1705362-2 10X	20.2051	433597.01	0.5526	4322.58	6.8842	33807.97	271.6459	119157.35	7560.8385	435476.28

Analyte Table

		7 Li [1]		9 Be [1]		11 B [1]		23 Na [2]		26 Mg [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
218	1705489-2 10X	23.5931	506138.46	0.6261	4936.08	6.4902	32231.75	264.0809	114919.20	7806.9165	444287.66
219	1705489-4 10X	22.5642	484107.61	0.6702	5335.58	6.5207	32676.95	277.8575	120576.98	10537.3002	602322.18
220	1705514-1 10X	8.0515	173373.79	0.4574	3618.42	11.3958	55483.28	1395.8518	541901.61	5836.3952	335788.17
221	1705514-2 10X	7.8107	168216.77	0.4782	3834.46	6.4880	32753.80	1725.6001	658501.66	6877.8000	391274.97
222	1705514-3 10X	9.6855	208357.86	0.4660	3725.78	5.2392	26661.03	1125.0584	438860.62	7682.0230	440785.19
223	LCV	2.1415	46831.69	0.0482	388.68	13.0505	62798.43	109.9944	58634.23	11.0366	650.05
224	CCV	98.1417	2102319.29	4.4398	33439.27	88.9490	402284.60	10330.1507	3853883.38	1006.4200	57181.78
225	CCB	0.0465	1975.47	0.0003	14.00	0.5699	4345.07	0.8062	17272.87	0.1075	16.67
226	IP170526-1MB ...	0.0560	2179.49	0.0001	12.00	0.3947	3485.96	1.5220	17726.70	0.5558	43.33
227	IM170526-1LCS...	100.8072	2159391.00	4.2801	33507.38	88.5804	416486.11	1019.5611	406724.81	1009.1923	58991.24
228	1704512-3 10X	5.3768	116103.68	0.0680	528.01	10.6354	50307.35	4093.6856	1529744.66	3755.6204	212268.53
229	1705410-1 10X	0.6223	14303.43	0.0005	15.33	2.2317	11948.77	1774.0506	677370.25	1250.1922	71211.83
230	1705410-1L 50X	0.1541	4279.91	0.0003	14.00	0.7652	5137.52	345.9053	146289.14	236.8184	13572.72
231	1705410-1D 10X	0.5284	12294.53	-0.0007	6.00	1.5897	8715.66	1769.6962	659043.09	1245.9012	69226.95
232	1705410-1MS 10X	94.0457	2014617.58	4.2940	31991.81	90.7247	405824.12	2815.7691	1043562.22	2222.9977	124038.33
233	1705410-1MSD ...	93.7927	2009199.87	4.3519	32165.53	93.0953	413011.62	2739.7259	1017053.89	2185.2402	122094.28
234	1705410-3 10X	1.6903	37171.33	0.0639	479.35	4.7038	22274.84	1660.5892	624753.27	1280.7799	71770.66
235	LCV	2.1345	46682.64	0.0448	349.34	13.5059	62714.91	108.8026	57446.31	9.7840	570.04
236	CCV	97.4112	2086677.04	4.4384	33147.36	89.6384	401903.82	10258.5874	3779077.44	989.7946	55539.37
237	CCB	0.0602	2269.51	-0.0001	10.00	0.6860	4702.93	-1.6944	16231.88	0.2783	26.67

Analyte Table

		27 Al [2]		39 K [2]		44 Ca [2]		49 Ti [2]		51 V [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	blank	-0.0571	83.34	-0.6622	8125.61	-1.5754	47.93	0.0050	6.67	0.0022	244.67
2	blank	-0.2043	63.33	-5.8156	8169.12	-2.9482	33.60	0.1468	26.67	-0.0070	220.00
3	blank	-0.0673	86.67	-3.7577	8362.46	0.7369	83.16	0.0532	13.33	-0.0038	230.67
4	blank	0.0000	100.01	0.0000	9086.20	0.0000	74.51	0.0000	6.67	0.0000	251.67
5	H/1000										
6	H/100	64.2045	12331.80	555.0361	82994.42	500.9873	7114.22	20.1787	2783.69	1.0594	5804.70
7	H/10	503.6563	93115.51	5330.7550	704015.56	4712.1147	64648.67	190.9460	26058.05	9.8006	49950.30
8	HIGH	4999.4923	938504.75	49966.3741	6423943.03	50028.7787	666615.17	2000.9036	268957.55	100.0193	515885.89
9	ICV	941.5411	174946.17	10387.9499	1317007.51	9659.8451	131658.63	396.2740	53096.35	19.2057	98209.29
10	ICB	-0.0237	93.34	-2.2141	8249.07	1.3992	90.55	0.0534	13.33	0.0029	259.67
11	LIV	9.7785	1870.19	110.0475	22672.95	95.4627	1347.23	17.5788	2306.92	0.5143	2809.59
12	ICSA	9640.0829	1822980.02	10967.9612	1387925.76	30914.5447	421802.91	206.8495	28024.83	0.0479	506.34
13	ICSAB	10027.6622	1906163.88	16397.1084	2077922.11	34842.2294	482305.24	400.8404	54668.41	9.8231	51537.44
14	CCV	490.3740	94612.53	5350.3363	724211.86	4729.8049	67233.68	189.9586	26816.17	9.7165	51698.61
15	CCB	0.0462	113.34	-5.7569	8585.92	-0.6756	66.94	0.1926	33.33	-0.0207	153.00
16	IP170523-1MB ...	1.2908	350.02	-7.2544	8229.04	-0.9023	63.70	0.1198	23.33	-0.0091	213.00
17	IM170523-1LCS...	940.0885	182985.95	1042.6691	148537.73	1906.4062	27100.15	374.9576	52307.61	18.9285	101400.91
18	1705095-1 1000X	1.6601	413.35	1282.1715	176580.41	19971.5022	279600.08	0.1226	23.33	-0.0193	156.33
19	1705158-1 10X	7.0656	1500.14	608.3045	87001.05	807.0499	11395.53	0.2164	36.67	-0.0002	267.33
20	1705158-1L 50X	2.0768	516.70	113.2622	24488.95	164.5117	2428.22	0.0931	20.00	-0.0105	212.00
21	1705158-1D 10X	6.3720	1363.46	581.2234	83781.27	828.2473	11593.45	0.0735	16.67	-0.0028	253.67
22	1705158-1MS 10X	921.4443	181378.94	1656.5370	221148.64	2812.5432	38559.19	384.2917	52651.43	18.7228	101413.75
23	1705158-1MSD ...	948.7428	185817.33	1647.0478	221732.80	2766.2097	38020.37	401.7247	54203.55	19.0253	102547.32
24	1705177-1 1000X	0.8799	270.02	173.7272	32295.80	930.2402	13262.05	0.0452	13.33	-0.0116	198.33
25	1705177-2 1000X	0.9666	283.35	221.3532	38372.09	1241.2930	17555.19	0.0473	13.33	-0.0078	215.67
26	CCV	503.3290	95769.26	5392.7820	733552.88	4839.1273	68505.67	188.8200	26428.84	9.8675	51776.51
27	CCB	-0.0998	83.34	-5.6081	8666.01	-0.1357	74.33	-0.0480	0.00	-0.0084	213.33
28	1705177-3 1000X	0.5562	206.68	180.3585	33020.58	1518.8292	21496.80	0.0496	13.33	-0.0078	216.00
29	1705202-1 100X	5.6783	1183.43	266.2889	43023.46	1178.4607	16374.34	0.3701	56.67	0.3813	2249.83
30	1705203-1 10X	3.0138	653.38	7306.0354	883651.03	1826.7516	24114.73	0.1570	26.67	0.0159	330.67
31	1705212-1 10X	83.3580	15844.88	95.5549	21778.44	194.4472	2775.09	2.6972	373.36	0.2986	1806.11

Analyte Table

		27 Al [2]		39 K [2]		44 Ca [2]		49 Ti [2]		51 V [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	1705212-2 10X	79.5069	15244.16	92.6350	21501.36	213.4113	3064.65	2.6668	376.69	0.2740	1691.76
33	1705212-3 10X	36.2777	6918.42	109.2341	23504.15	169.5901	2425.68	0.8988	130.01	0.1344	949.70
34	1705240-1 10X	3.6987	813.39	148.8968	29320.16	465.8668	6616.77	0.0006	6.67	0.0231	383.01
35	1705242-1 10X	6.4239	1313.44	220.4513	37376.80	486.9158	6782.16	0.2248	36.67	0.0347	437.01
36	1705243-1 10X	2.2135	543.37	296.3675	47666.16	1115.8976	15281.87	0.1489	26.67	0.0263	411.68
37	1705369-1 10X	2.2348	586.71	8214.7754	1035888.42	3695.5728	50916.25	0.2469	40.00	0.0667	675.02
38	CCV	502.9199	95099.68	5316.7606	725612.28	4750.1476	67611.65	190.5696	26776.28	10.0052	52163.44
39	CCB	0.0597	116.67	-1.3167	9142.92	0.4257	83.07	0.0696	16.67	-0.0011	257.67
40	1705369-3 10X	3.3656	753.39	-2.0107	8896.11	9.6392	212.70	0.0244	10.00	0.0102	316.67
41	1705376-1 10X	2.3173	606.71	1258.9115	163924.01	1133.3059	15348.78	0.0515	13.33	0.0053	320.34
42	1705376-3 10X	2.7548	656.71	1889.6674	238495.31	2858.4888	38491.40	0.0528	13.33	0.0136	346.34
43	1705376-5 10X	2.4508	610.04	1484.8583	193194.95	1359.4438	18513.29	0.1497	26.67	0.0227	404.01
44	1705376-7 10X	3.4491	826.73	1476.9475	192141.84	1454.4370	19793.58	0.0502	13.33	0.0156	369.68
45	1705380-1 1000X	1.1327	320.02	451.6217	70316.31	3988.4934	57155.62	0.1881	33.33	0.0023	273.00
46	CCV	490.2760	96275.73	5474.2975	744708.87	4820.7009	69351.56	194.5780	27737.53	9.7908	53014.11
47	CCB	-0.2336	60.00	-1.4683	9116.18	-0.4188	70.91	-0.0013	6.67	-0.0007	262.67
48	IP170523-3MB ...	1.0576	310.02	-0.1601	9436.44	5.0875	149.65	0.1902	33.33	0.0088	311.00
49	IM170523-3LCS...	487.7608	95276.98	531.3618	81617.85	954.0355	13640.63	196.1387	27784.53	9.7402	52466.03
50	1705389-1 10X	1.7302	450.02	1266.1005	183174.02	9.9964	221.90	0.2737	46.67	0.0394	484.34
51	1705349-2 10X	1.6747	436.69	979.3923	142176.52	69.7006	1081.31	0.1146	23.33	0.0232	394.01
52	LCV	10.8770	2016.89	115.4737	22943.25	104.5415	1431.56	19.6820	2533.65	0.5383	2848.92
53	CCV	494.5009	93543.58	5390.6303	720097.20	4769.4828	66946.52	192.7287	26425.47	9.8861	51560.95
54	CCB	-0.1008	83.34	3.0642	9443.13	-2.1655	44.33	0.1208	23.33	0.0002	257.33
55	1705460-1 100X	0.7498	240.01	1425.3983	192027.72	149.6829	2124.67	0.1246	23.33	-0.0025	240.00
56	1705460-2 100X	0.9729	293.35	63.1836	17977.12	51.2265	814.04	0.0212	10.00	0.0167	353.01
57	1705461-1 100X	0.7531	250.01	617.5414	92839.08	261.3198	3829.49	0.0460	13.33	0.0016	271.00
58	1705461-2 100X	0.5901	216.68	7613.6924	1013789.05	110.8835	1624.28	0.1197	23.33	0.0100	313.34
59	1705462-1 100X	0.6591	230.01	1090.8088	155319.09	71.4545	1097.05	-0.0246	3.33	0.0038	280.00
60	1705462-2 100X	1.0924	316.68	1354.4919	191412.97	125.0727	1875.33	0.0217	10.00	-0.0006	261.00
61	1705462-3 100X	0.6215	220.01	1424.0730	200423.36	112.1556	1681.33	0.1408	26.67	0.0053	285.33
62	1705462-4 100X	0.5005	203.34	1385.2240	199676.55	119.1356	1793.44	0.0216	10.00	0.0052	294.00

Analyte Table

		27 Al [2]		39 K [2]		44 Ca [2]		49 Ti [2]		51 V [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
63	1705462-5 100X	0.5694	213.35	1536.9607	216754.32	143.8980	2148.19	0.0909	20.00	0.0058	291.67
64	1705462-6 100X	0.8298	263.35	1961.5461	273503.92	110.2028	1662.39	0.0948	20.00	0.0029	276.33
65	CCV	491.0472	96442.59	5369.6445	734797.26	4847.9510	69865.19	190.2994	26956.02	9.6391	52205.23
66	CCB	0.0373	113.34	2.6016	9679.99	-3.7080	23.70	0.0220	10.00	0.0028	281.67
67	1705462-7 100X	0.5787	213.35	2965.5715	409639.23	117.1828	1754.50	0.1403	26.67	-0.0006	256.33
68	1705462-8 100X	0.5695	216.68	2733.8219	382425.32	113.2117	1704.29	0.0915	20.00	0.0041	288.00
69	1705462-9 100X	0.6121	223.35	891.5549	129888.15	50.6427	809.47	0.0682	16.67	0.0069	300.34
70	1705462-10 100X	0.8266	266.68	1755.1213	247713.02	4439.5722	63967.53	0.0703	16.67	0.0022	277.33
71	ZZZ										
72	CCV	494.6503	95438.90	5328.1916	728495.67	4723.8261	67326.03	194.9901	27190.10	9.7705	51981.88
73	CCB	-0.1799	70.00	-1.7415	9032.94	0.9685	90.64	-0.0245	3.33	-0.0022	251.67
74	IP170524-6MB ...	0.6814	233.35	-5.2946	8499.27	1.2631	94.51	0.0235	10.00	-0.0166	172.67
75	IM170524-6LCS...	480.0941	93333.15	536.2113	80977.85	958.4719	13730.93	194.3094	27266.83	9.7730	52384.10
76	1705277-22 10X	1158.9072	225275.34	461.9762	73031.32	1471.8435	21523.54	54.6921	7952.27	7.4486	40017.98
77	1705277-22L 50X	237.3940	46228.10	85.6280	21234.60	288.8185	4218.25	11.0589	1583.48	1.5101	8322.44
78	1705277-22D 10X	1253.2635	246220.35	530.0110	80816.57	1966.0597	28558.00	48.8360	7178.54	10.4852	56820.21
79	1705277-22MS ...	2183.3064	431864.67	1074.0855	152824.69	2520.2868	36255.14	233.5832	34159.87	18.0774	98453.83
80	1705277-22MSD...	3122.5138	623466.76	1374.0792	194520.26	3784.2104	54183.01	206.4373	30208.76	19.9105	109436.91
81	1705277-22A 10X	1743.7812	342415.13	2999.7489	413920.98	3755.8791	54093.04	265.4719	38385.93	18.5153	100093.95
82	1705277-23 10X	3770.5144	739276.00	1608.8481	225719.12	57295.4349	834369.12	125.2926	18424.40	22.7212	122611.42
83	1705277-24 10X	1907.9164	372686.81	716.6238	106487.06	6222.1732	89694.04	86.7538	12702.22	8.9628	48339.30
84	CCV	497.8412	96637.72	5437.3582	741220.22	4900.2825	69497.17	191.4241	27036.66	9.8634	52796.07
85	CCB	0.0355	113.34	-2.2968	9119.57	2.1598	108.30	0.0930	20.00	-0.0107	210.00
86	1705277-25 10X	6499.7471	1276703.68	3407.0398	463837.75	26213.9062	370652.86	173.8340	25454.00	18.0794	97806.75
87	1705277-26 10X	3205.9700	618911.02	1488.4577	208203.07	19821.2845	279492.70	116.5497	16782.53	11.6373	61953.40
88	1705277-27 10X	4276.6476	841479.78	1454.3245	206115.12	4504.1726	64292.27	139.8177	20690.52	12.5875	68292.41
89	1705277-28 10X	880.3965	170168.43	364.9734	58299.99	1260.4959	17943.90	63.3368	9032.83	5.8211	31145.10
90	1705277-29 10X	2401.0962	465964.45	877.6004	127546.14	3191.8488	45604.32	143.7791	21131.01	11.1122	59480.49
91	1705277-30 10X	1227.1985	242060.05	375.8789	60170.56	955.2170	13779.36	55.1860	8029.00	6.0193	32863.41
92	1705277-31 10X	6502.0541	1276945.11	3138.7182	430353.96	7896.1555	111608.00	158.7759	23437.53	17.5589	95003.27
93	1705277-32 10X	696.8686	138534.20	265.1497	46512.96	1075.3730	15641.00	46.8756	6871.72	5.3348	29375.90

Analyte Table

		27 Al [2]		39 K [2]		44 Ca [2]		49 Ti [2]		51 V [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
94	1705277-33 10X	6522.8473	1294697.17	2482.1117	348064.41	6896.8098	98348.27	111.3157	16999.55	11.7205	64157.74
95	1705277-34 10X	2130.1520	410791.08	754.0875	112256.64	2032.5185	29211.89	84.7409	12308.57	8.4147	44821.47
96	CCV	498.5308	98324.00	5459.1344	753253.16	4817.0007	69059.71	192.5278	27637.40	9.8431	53526.06
97	CCB	0.2010	146.67	-2.8503	9079.57	2.9345	120.10	0.0458	13.33	-0.0136	195.00
98	1705277-35 10X	1869.0574	373931.92	844.5497	124318.72	1643.0636	23770.30	83.9063	12438.55	7.9466	43928.84
99	1705277-36 10X	876.3238	171616.25	341.0017	55915.15	840.7293	12248.15	61.0139	8852.77	7.0750	38305.99
100	1705277-37 10X	865.1394	168303.19	361.2162	58015.56	1249.2381	17838.22	44.5266	6404.88	5.7132	30773.75
101	1705277-38 10X	1877.4064	361986.48	830.5213	120868.87	6266.7064	89181.44	93.5275	13696.19	10.7775	57316.56
102	LCV	11.0125	2206.93	112.1239	24739.42	115.3841	1718.98	19.4225	2770.37	0.5207	2990.62
103	CCV	500.5642	94864.06	5453.3001	735039.62	4876.8318	68457.40	193.9249	27009.67	9.8804	51626.43
104	CCB	-0.0319	96.67	0.7775	9363.02	0.0589	77.21	0.0707	16.67	-0.0124	194.33
105	IP170525-1MB ...	1.3420	366.69	-1.7748	9086.25	0.9156	90.54	-0.0241	3.33	-0.0283	113.67
106	IM170525-1LCS...	493.0244	95250.35	531.8894	81377.04	942.0790	13575.75	192.1725	27283.45	9.8330	52373.38
107	1704607-1 10X	3169.8275	612229.03	779.0565	113485.71	15153.8325	215320.98	22.9868	3300.49	11.4809	61154.55
108	1704607-1L 50X	667.4281	124528.73	153.9890	29457.06	3043.8101	42781.65	5.3947	763.38	2.3743	12410.66
109	1704607-1D 10X	2790.0610	534838.70	716.1281	104326.41	12705.9116	178077.43	21.5310	3087.09	10.1411	53642.72
110	1704607-1MS 10X	5070.9283	963505.09	1631.8375	222002.38	15026.7301	209381.95	103.7785	14617.11	24.3443	127273.86
111	1704607-1MSD ...	4368.0805	851868.77	1469.9859	202735.47	13222.5853	184555.00	99.5673	14266.69	24.5041	131502.84
112	1704607-1A 10X	3848.4302	733358.22	3234.7835	441203.82	17642.0109	248308.10	234.3398	33324.82	23.0126	120704.57
113	1704607-2 10X	1638.1533	313585.17	528.3279	80271.65	7107.8294	100622.11	24.7028	3513.88	7.9658	42120.13
114	1704607-3 10X	4968.7220	945114.28	1165.1657	161179.42	22213.9095	309366.70	26.0745	3727.25	30.4958	159560.44
115	CCV	509.7113	97563.65	5541.5796	746012.96	4847.3197	68856.10	196.0416	27680.92	9.9669	52599.47
116	CCB	0.0904	120.00	-4.3940	8572.61	-0.5585	67.03	0.0013	6.67	-0.0188	159.67
117	1704607-4 10X	1805.2253	334758.20	476.8910	71511.55	6159.9874	86419.80	14.3293	1993.56	7.2616	37227.86
118	1704607-5 10X	6289.5597	1179542.69	1513.2690	201739.24	59391.5278	811891.19	20.0646	2763.70	12.1170	62671.10
119	1704607-6 10X	1371.0831	253871.25	339.6151	52969.10	10752.7919	150765.72	15.7886	2200.27	15.0157	76590.20
120	1704607-7 10X	924.1121	175224.49	245.7348	41837.28	3427.4291	47678.48	18.0624	2536.99	4.4292	23312.67
121	1704607-8 10X	1703.0542	322566.42	380.9108	58929.13	22114.5046	310061.84	29.9887	4224.07	85.0304	442473.49
122	1704607-9 10X	1417.5768	270717.58	331.4955	53671.25	6082.7973	86051.67	17.4033	2446.95	5.2255	27658.68
123	1704607-10 10X	2630.0425	495902.21	654.4615	95397.40	23972.7075	332866.68	31.3685	4374.24	10.3272	53728.04
124	1704607-11 10X	1709.1235	320863.00	513.5386	77340.39	11358.4413	159116.59	21.9126	3070.43	7.8940	40945.55

Analyte Table

		27 Al [2]		39 K [2]		44 Ca [2]		49 Ti [2]		51 V [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
125	1704607-12 10X	3352.8134	613548.82	869.8353	120014.04	37361.3468	510109.80	35.2852	4900.95	7.8233	39563.19
126	1704607-13 10X	3849.8804	726950.98	1198.3421	162454.05	59080.7117	803613.89	58.1229	8112.35	9.2848	48401.77
127	CCV	504.4855	94753.88	5402.8308	728642.41	4834.9486	67610.67	191.7049	26325.38	9.9911	51742.39
128	CCB	0.1400	130.01	-4.0030	8679.36	-1.2824	57.84	0.0487	13.33	-0.0195	157.67
129	1704607-14 10X	3340.7235	601648.03	841.4268	115925.73	31178.7534	424481.00	17.7124	2406.96	8.1837	40718.40
130	1704607-15 10X	1310.5306	237664.72	410.5471	61404.14	12826.5318	175328.68	19.7630	2677.03	9.6326	48204.52
131	1704607-16 10X	5295.2034	969350.90	1530.0369	201278.30	62529.9708	833646.26	28.7744	3897.34	8.2349	41648.98
132	1704607-17 10X	2615.5183	484062.97	1493.9746	199808.97	19916.9323	271844.00	43.6711	5974.73	7.7240	39506.11
133	1704607-18 10X	4076.5285	762646.21	830.8468	116342.18	9885.1158	136066.51	16.4457	2296.94	13.8941	71627.29
134	1704607-19 10X	1191.0053	221112.60	285.3206	47034.03	4085.1293	56977.89	13.7156	1906.86	5.9086	30367.69
135	LCV	11.0000	2116.90	107.1804	23113.53	102.2195	1476.70	19.0948	2590.35	0.5225	2880.93
136	CCV	506.8308	92363.86	5359.8501	701460.09	4830.5914	65765.37	196.6237	25988.07	9.9492	49995.50
137	CCB	0.0433	106.67	-6.3601	8112.33	-0.0579	73.25	0.0514	13.33	-0.0187	154.33
138	IP170525-2MB ...	0.8414	256.68	-6.6807	8095.65	2.6929	110.73	0.0016	6.67	-0.0299	99.67
139	IM170525-2LCS...	496.9124	90500.59	537.7001	78398.13	1007.5996	13697.32	196.8277	25701.16	9.6796	48612.40
140	1704607-20 10X	2907.6363	528650.44	727.4903	101139.97	51825.8002	702172.22	83.3138	11381.07	7.9323	39850.61
141	1704607-21 10X	3854.7645	710380.09	1138.4875	152775.36	27250.3753	371012.37	40.7809	5574.52	9.6389	49033.29
142	1704607-22 10X	3022.0387	555799.19	650.6426	95390.01	9155.6559	125524.18	26.0240	3600.58	9.3902	47686.40
143	1704607-23 10X	4532.0441	820053.56	1324.9662	177145.65	89947.6366	1203277.40	92.7991	12548.65	14.4917	72268.35
144	1705291-4 10X	4089.4733	751161.50	891.6712	123388.59	288.5101	3983.32	55.8032	7648.79	25.7126	129954.62
145	1705291-4L 50X	820.8524	151733.90	175.7680	31944.96	40.6932	623.44	11.4171	1550.14	5.1129	26191.24
146	1705291-4D 10X	3743.8418	710918.92	925.9592	129240.39	101.1190	1477.42	55.6644	7762.21	24.0208	125517.09
147	1705291-4MS 10X	5087.9785	940573.76	1676.0706	222642.70	1026.8115	14135.48	177.6476	24903.07	52.5588	267083.20
148	CCV	504.0997	93440.31	5334.9204	706316.53	4832.5585	66933.57	189.6573	25831.31	9.7730	49959.37
149	CCB	0.2637	146.67	-1.0735	8782.71	3.8999	126.22	0.0258	10.00	-0.0250	123.33
150	1705291-4MSD ...	4959.6050	926809.34	1713.1979	230713.32	1111.3513	15256.65	189.6600	26468.85	35.4436	182139.11
151	1705291-4A 10X	4677.1477	873812.75	3489.9620	450296.87	2396.9660	32676.58	255.4931	35516.05	36.7219	188666.87
152	LCV	11.8642	2306.93	105.3649	23530.75	94.2615	1365.51	17.9126	2416.95	0.5094	2855.92
153	CCV	501.4444	91764.54	5433.9786	703646.63	4785.4824	65163.00	194.7103	26114.93	9.8504	49705.95
154	CCB	-0.0765	86.67	0.2027	9072.91	0.8052	85.77	0.0496	13.33	-0.0235	134.00
155	IP170525-3MB ...	0.8545	263.35	0.3735	9136.21	-1.3709	54.96	0.0729	16.67	-0.0334	84.00

Analyte Table

		27 Al [2]		39 K [2]		44 Ca [2]		49 Ti [2]		51 V [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
156	IM170525-3LCS...	483.7090	89134.01	536.1356	77176.21	964.0940	13179.75	189.0238	25340.26	9.5976	48772.61
157	ZZZ										
158	1705407-1 10X	7329.6588	1401630.14	2259.3315	307650.90	16593.2534	229376.53	285.1033	40818.35	21.2374	111783.33
159	1705407-2 10X	3405.4598	637085.81	1173.9664	163728.35	2771.4026	38597.21	189.9184	27023.13	12.2865	63380.74
160	1705407-3 10X	5795.9947	1090477.95	2121.7385	281628.49	24863.2334	339457.74	169.9852	23845.09	21.2362	109988.22
161	1705454-1 10X	4136.8523	799904.47	959.2764	136839.53	3412.7470	47381.41	395.9149	56638.63	15.8629	84491.12
162	1705454-1L 50X	845.6093	158203.58	183.1946	33033.83	694.1742	9565.87	83.4617	11517.84	3.2570	16980.02
163	1705454-1D 10X	4965.6698	949538.32	1140.1727	161138.75	3953.6207	55157.13	468.0979	66856.15	20.4314	107558.97
164	1705454-1MS 10X	5903.0571	1129335.66	1695.1678	229553.37	5365.9813	73603.37	758.3724	108511.87	32.0365	168574.71
165	CCV	503.1877	95264.02	5510.1345	737315.77	5007.7211	69522.73	191.0935	26392.17	9.9753	52070.77
166	CCB	0.2211	150.01	-1.8966	9046.23	0.6919	86.31	-0.0244	3.33	-0.0217	150.33
167	1705454-1MSD ...	5627.7526	1084064.73	1541.9584	216824.78	4964.0016	68790.29	672.0606	97672.19	29.6927	157343.58
168	1705454-1A 10X	4910.2148	938296.18	3520.6514	475768.61	5815.1203	80294.44	620.6733	88283.44	28.0669	147563.20
169	1705496-1 10X	8325.5245	1556898.99	2117.3210	282415.98	39109.5155	531771.13	239.8787	34093.05	25.6652	132071.72
170	1705498-1 10X	21.5715	4110.73	-1.6410	8999.55	77.8017	1175.14	0.9490	136.68	0.0207	359.01
171	LCV	10.8199	2053.55	104.4657	22659.79	98.9887	1385.61	18.6895	2446.98	0.4843	2651.89
172	CCV	491.9702	89703.46	5287.3101	694064.55	4708.4870	64464.57	184.4108	24872.99	9.7741	49126.95
173	CCB	-0.0037	96.67	5.0874	9359.77	3.1368	114.06	0.0027	6.67	-0.0197	147.67
174	IP170524-4RBM...	0.6693	230.01	-5.2742	8689.31	-2.0460	47.93	2.1943	313.35	-0.0215	146.33
175	IP170524-4MB ...	11.9131	2453.63	-4.3364	9012.86	5.2493	154.96	2.7518	403.36	-0.0310	100.67
176	IM170524-4LCS...	484.2780	93672.29	530.7656	83670.42	942.3222	13739.01	194.7837	27677.54	9.8880	52740.92
177	IM170524-4LCS...	476.1835	93004.60	520.5604	80719.80	947.4760	13712.69	191.4162	27413.91	9.4790	51038.98
178	1705104-1 10X	12.6087	2550.33	-3.2135	9159.54	6.8177	177.85	2.6053	380.02	-0.0270	120.33
179	1705104-2 10X	22.1626	4450.86	-5.5779	8819.46	9.9665	223.07	2.2658	333.35	0.4419	2646.55
180	1705104-3 10X	71.4020	13993.12	1.6942	9739.93	7.0454	181.00	2.2921	336.69	0.1648	1145.38
181	LCV	11.5267	2450.28	112.5651	25710.85	102.8997	1596.81	19.2960	2817.05	0.5110	3130.98
182	CCV	501.1264	99906.72	5559.9484	766596.08	4934.0525	72504.03	199.6870	29166.94	9.9699	54808.30
183	CCB	0.0902	126.67	0.4620	9553.12	0.7483	88.66	0.1819	33.33	-0.0130	201.67
184	FP170524-4MB...	0.7756	263.35	-2.1831	9183.01	2.7401	117.40	0.1399	26.67	-0.0049	243.68
185	FP170526-4MB...	0.5591	216.68	0.5119	9529.76	1.7780	103.61	-0.0021	6.67	-0.0117	205.00
186	IP170526-4MB ...	0.9476	293.35	-0.5064	9609.88	0.1903	80.55	0.1389	26.67	-0.0116	206.00

Analyte Table

		27 Al [2]		39 K [2]		44 Ca [2]		49 Ti [2]		51 V [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
187	IM170526-4LCS...	492.0653	97969.21	526.0823	83033.99	980.9799	14282.56	195.7141	27954.55	9.8522	54083.22
188	1705474-1 10X	32.5586	6448.21	486.3577	76861.67	4733.6981	67993.91	0.4447	70.00	0.3835	2317.17
189	1705474-2 10X	3.0410	706.72	386.7724	61230.66	12268.1700	176424.18	0.1627	30.00	0.0669	631.35
190	1705484-1 10X	1.0950	323.35	184.4601	34152.72	768.4233	11144.14	0.1642	30.00	0.0010	272.67
191	1705520-1 10X	3.5972	793.39	79.3199	19929.42	963.7872	13634.01	0.0709	16.67	0.0145	338.01
192	1705520-1L 50X	0.9466	290.01	12.3906	11077.49	188.0903	2746.91	0.1167	23.33	0.0063	299.00
193	1705520-1D 10X	4.8979	1063.42	75.0477	19802.69	960.0467	14062.51	0.0451	13.33	0.0065	301.67
194	CCV	500.6744	98019.04	5484.5762	751247.46	4895.7160	70811.76	193.6090	27577.58	9.9307	53604.65
195	CCB	0.1519	140.01	-2.0382	9306.41	2.0701	107.40	-0.0018	6.67	-0.0098	221.00
196	1705520-1MS 10X	487.8137	94777.76	613.0611	90368.87	1918.8778	27063.24	194.1257	27170.07	9.6829	51875.81
197	1705520-1MSD ...	491.8915	97603.63	613.7461	94214.41	1918.3928	27799.98	196.0269	27921.48	9.8112	53676.95
198	1705522-1 10X	35.4092	6978.41	513.4413	77899.69	167.6363	2471.59	1.1935	173.34	0.5356	3120.64
199	1705522-2 10X	1.7372	446.69	478.8187	73811.68	763.8825	11027.96	0.0960	20.00	0.0164	355.67
200	1705530-1 10X	90.9998	17953.85	226.2575	40483.81	1492.9671	21749.76	2.3522	346.69	0.4237	2549.54
201	1705531-1 10X	3.8708	866.73	74.6544	19762.53	1640.8523	23707.75	0.0675	16.67	0.0243	399.34
202	LCV	11.3342	2313.61	110.9387	24725.86	100.9246	1521.12	20.4096	2900.41	0.5190	3041.96
203	CCV	497.7390	96343.58	5433.9957	744647.23	4896.3552	69564.77	194.5304	27583.99	9.9366	53030.12
204	CCB	0.7347	256.68	-1.8421	9296.39	-0.7601	66.94	-0.0250	3.33	-0.0123	205.67
205	IP170526-2MB ...	0.8648	273.35	-7.3723	8582.60	2.0130	107.31	0.0458	13.33	-0.0202	157.33
206	IM170526-2LCS...	481.2320	92444.78	515.5822	80522.46	954.7742	13663.33	191.4504	26979.65	9.7037	51397.76
207	1705097-2 10X	9306.9359	1901689.82	2625.4516	369927.82	22465.5231	323125.70	149.2486	23000.25	16.9262	95262.52
208	1705097-2L 50X	1992.9525	391150.36	533.1481	82069.57	4571.9360	65645.30	33.1791	4860.95	3.5384	19335.58
209	1705097-2D 10X	8574.8609	1732282.58	2599.2098	362858.27	32925.3270	471753.98	137.6499	21004.28	14.9970	83486.04
210	1705097-2MS 10X	10791.7776	2167731.53	3527.9846	479478.39	31064.8976	443519.34	300.3879	46245.85	27.9154	154267.55
211	1705097-2MSD ...	10958.0963	2168417.26	3332.7084	465766.14	34406.9709	489887.17	295.0580	45610.93	28.3376	154279.48
212	1705097-2A 10X	10123.5399	2047463.46	5210.5106	724579.15	25604.2799	363673.34	349.0822	53865.49	28.4916	158527.68
213	1705223-2 10X	11828.0150	2429318.35	3297.5154	468368.97	14794.5317	216178.13	190.0641	30412.56	22.3888	126569.87
214	1705324-2 10X	10257.9001	2117434.19	3192.2788	451292.96	13091.8926	191078.75	208.0254	33024.11	21.1212	120015.81
215	CCV	503.6266	101744.54	5587.0821	795236.16	4952.5999	72870.30	194.0767	28562.33	10.1037	56276.73
216	CCB	0.9115	296.68	-2.3648	9446.41	-0.1814	77.04	0.0638	16.67	-0.0196	168.00
217	1705362-2 10X	10017.5698	2051272.63	2903.3379	415206.97	21862.7477	317490.05	155.3815	24706.19	16.9723	95723.83

Analyte Table

		27 Al [2]		39 K [2]		44 Ca [2]		49 Ti [2]		51 V [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
218	1705489-2 10X	11422.5502	2360213.87	3333.7688	469687.58	14428.9179	207855.37	213.6105	34069.62	21.2748	121018.12
219	1705489-4 10X	11194.8835	2321696.95	3355.9244	474768.84	13152.6248	190615.94	199.7259	31628.00	20.1840	115241.59
220	1705514-1 10X	5978.4366	1253167.74	1697.7475	246453.85	17628.3756	256591.42	60.4979	9476.43	18.0359	104105.66
221	1705514-2 10X	6354.6799	1299900.53	1415.2029	204734.43	15895.0486	229181.71	52.3488	8009.00	13.8209	77909.11
222	1705514-3 10X	6245.2076	1278971.94	1147.8170	169289.81	16327.2413	238569.09	44.9589	6938.44	14.3446	80963.46
223	LCV	12.8997	2743.68	118.0041	26211.64	103.5343	1598.51	19.3326	2853.71	0.5079	3124.31
224	CCV	508.4220	101345.67	5556.7470	775128.40	5012.9199	72314.20	202.3537	29200.35	9.9821	54866.09
225	CCB	0.8107	270.01	3.0085	10060.14	-0.3324	74.24	0.1317	26.67	-0.0197	164.00
226	IP170526-1MB ...	0.6941	250.01	-2.6092	9353.04	2.8976	120.55	-0.0026	6.67	-0.0153	189.67
227	IM170526-1LCS...	487.8533	100675.26	542.1218	86552.33	1007.1391	14748.03	200.4431	29296.97	9.8269	55917.57
228	1704512-3 10X	2.6818	653.38	223.0538	39972.52	14051.0492	202757.02	0.1360	26.67	0.2752	1809.77
229	1705410-1 10X	1.3364	370.02	548.3887	85229.23	6023.8846	87942.72	0.1132	23.33	0.6772	3930.48
230	1705410-1L 50X	1.0320	313.35	102.9512	23814.74	1163.6482	16919.32	-0.0011	6.67	0.1129	889.36
231	1705410-1D 10X	1.3461	366.69	546.8342	82917.21	6013.9305	86188.17	-0.0007	6.67	0.6946	3961.49
232	1705410-1MS 10X	492.3882	95732.44	1096.8380	157734.91	7102.1358	101560.16	199.8510	28228.63	10.6583	57117.55
233	1705410-1MSD ...	489.1617	95411.03	1054.0467	152116.50	6899.1895	97187.30	196.8677	27677.51	10.4270	56059.00
234	1705410-3 10X	2.5055	590.04	644.1044	96844.24	4961.4176	70309.04	0.4294	66.67	0.7934	4482.62
235	LCV	11.7502	2416.96	116.4201	25670.48	97.6636	1476.89	18.1727	2593.66	0.5231	3091.97
236	CCV	511.2355	98585.82	5477.2751	754629.47	4924.3603	70792.23	195.7112	27543.95	10.1582	54002.90
237	CCB	0.5706	220.01	-1.6618	9343.03	-2.1083	46.85	0.0444	13.33	-0.0124	202.00

Analyte Table

		52 Cr [2]		55 Mn [2]		56 Fe [2]		59 Co [2]		60 Ni [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	blank	-0.0065	1272.29	0.0053	203.34	0.0466	3760.62	0.0007	23.33	0.0035	92.22
2	blank	-0.0028	1405.64	0.0024	210.01	0.0003	3817.28	0.0006	23.33	-0.0090	66.67
3	blank	-0.0110	1346.74	0.0066	224.45	0.0088	3833.98	0.0022	40.00	-0.0050	76.67
4	blank	0.0000	1448.98	0.0000	203.34	0.0000	3887.33	0.0000	17.78	0.0000	92.22
5	H/1000										
6	H/100	5.3206	34080.87	2.2464	9670.73	58.8178	352357.38	1.0697	11436.34	5.2746	14601.09
7	H/10	51.5900	311380.45	19.6983	81504.69	508.1073	2952427.35	9.9307	103858.33	50.4756	136024.86
8	HIGH	499.8378	2954756.14	200.0277	813331.24	4999.1011	28574908.74	100.0062	1030021.97	499.9497	1326195.64
9	ICV	102.0871	593927.06	40.2696	160757.73	1006.1816	5643658.25	20.0261	202321.49	102.9514	267942.64
10	ICB	0.0107	1421.20	0.0103	231.12	0.1440	4444.16	0.0006	22.22	0.0060	102.23
11	LIV	1.0535	7552.95	0.5561	2430.21	10.7231	64334.48	0.5414	5528.78	2.1146	5635.49
12	ICSA	0.2799	2995.87	0.9780	4087.24	26444.1922	1.47995E+08	0.0040	56.67	0.6852	1866.80
13	ICSAB	54.2127	316621.27	21.3932	85667.46	26542.8672	1.49067E+08	10.2905	104150.00	52.1088	135905.48
14	CCV	51.6755	319681.15	19.5512	82916.96	510.2727	3038708.50	9.9659	106839.23	50.6138	139815.40
15	CCB	-0.0107	1426.75	0.0085	246.67	0.2776	5697.95	0.0000	18.89	-0.0017	91.11
16	IP170523-1MB ...	0.0340	1679.00	0.0160	274.45	2.6634	19866.06	0.0019	38.89	0.0107	123.34
17	IM170523-1LCS...	99.4692	614167.29	19.5311	82855.33	966.3501	5752713.87	19.8893	213241.78	97.6696	269757.39
18	1705095-1 1000X	0.0136	1510.10	2.4536	10355.59	60.9755	358630.79	0.0033	52.22	0.1234	424.46
19	1705158-1 10X	0.0813	1884.58	3.0597	12648.33	11.0007	66689.67	0.0022	40.00	0.1797	566.69
20	1705158-1L 50X	0.0240	1621.21	0.5791	2676.93	2.1379	16765.86	-0.0004	13.33	0.0477	226.67
21	1705158-1D 10X	0.0657	1797.91	2.9536	12253.57	9.1876	56491.44	0.0025	43.34	0.0680	271.12
22	1705158-1MS 10X	102.4480	606588.97	22.9004	93134.15	980.0717	5595419.29	20.3002	208726.04	98.6535	261316.46
23	1705158-1MSD ...	103.0575	615128.34	24.0939	98763.15	990.4378	5700162.62	20.5783	213298.51	99.5939	265934.53
24	1705177-1 1000X	0.0158	1553.43	0.0253	311.12	0.3313	5871.37	0.0008	26.67	0.2193	696.69
25	1705177-2 1000X	0.0223	1582.33	0.0314	334.45	0.2378	5277.74	0.0001	18.89	0.0387	197.78
26	CCV	51.3245	319119.00	19.8583	84638.99	508.1366	3041153.60	9.9700	107410.85	50.1699	139267.83
27	CCB	-0.0014	1496.76	0.0062	238.89	0.1847	5171.07	0.0005	24.45	0.0112	127.78
28	1705177-3 1000X	0.0065	1488.98	0.1728	928.93	5.5716	36785.45	0.0013	31.11	0.0193	145.56
29	1705202-1 100X	3.2975	20930.11	10.2754	42005.73	699.0655	4002050.36	0.1535	1598.99	8.1739	21786.85
30	1705203-1 10X	0.1619	2202.40	34.2789	130204.72	1330.5180	7098255.52	0.0430	428.90	0.2186	624.47
31	1705212-1 10X	0.1513	2375.76	2.0047	8629.05	90.2417	537052.69	0.0343	383.35	0.1656	546.68

Analyte Table

		52 Cr [2]		55 Mn [2]		56 Fe [2]		59 Co [2]		60 Ni [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	1705212-2 10X	0.1850	2594.68	1.9594	8484.52	89.4908	535400.84	0.0370	413.34	0.1872	608.91
33	1705212-3 10X	0.1614	2426.88	1.2951	5623.26	50.6600	301896.56	0.0169	196.67	0.0990	362.23
34	1705240-1 10X	0.4221	4093.90	4.8321	20828.91	271.7611	1634898.78	0.0185	218.89	16.6557	46487.83
35	1705242-1 10X	0.7702	6004.52	6.7125	27690.08	337.7100	1948050.39	0.0383	414.46	38.9461	104160.71
36	1705243-1 10X	0.6940	5605.48	2.7495	11572.00	158.3424	924435.90	0.0298	330.01	4.9426	13427.85
37	1705369-1 10X	0.5182	4352.85	17.1381	68030.59	1285.0301	7155780.93	0.0535	553.35	0.2906	837.81
38	CCV	51.6814	322327.40	19.5611	83636.13	505.3558	3033971.52	9.8979	106971.29	50.0790	139461.94
39	CCB	-0.0093	1428.97	0.0023	218.89	0.1563	4934.31	0.0009	27.78	0.0017	100.00
40	1705369-3 10X	1.2871	9399.47	95.8003	406065.79	8137.7455	48472040.95	0.0727	797.81	0.7257	2099.05
41	1705376-1 10X	0.1363	2124.61	1.9329	7745.28	57.3866	318965.83	0.0019	35.56	0.1636	503.35
42	1705376-3 10X	0.0841	1802.35	3.6665	14323.07	16.7344	94257.02	0.0030	45.55	0.1766	528.91
43	1705376-5 10X	0.1312	2110.17	5.6434	22412.09	153.3409	852573.40	0.0043	60.00	0.1003	344.45
44	1705376-7 10X	0.1399	2159.06	6.3009	24986.84	187.1586	1039032.75	0.0056	72.22	0.1446	457.79
45	1705380-1 1000X	-0.0106	1411.19	0.1369	793.37	6.7208	44397.81	0.0005	23.33	0.0590	258.90
46	CCV	52.5034	326514.89	20.1314	85830.47	517.9341	3100760.47	10.0888	108734.25	51.3202	142530.52
47	CCB	0.0090	1545.65	0.0130	264.45	0.1348	4810.95	0.0000	17.78	-0.0014	91.11
48	IP170523-3MB ...	0.0337	1721.23	0.0208	303.34	1.7987	15114.35	0.0010	28.89	0.0125	132.23
49	IM170523-3LCS...	50.5282	318270.29	10.0628	43549.72	501.1229	3038214.23	10.1670	110955.56	49.7948	140026.54
50	1705389-1 10X	1.9734	13979.39	0.1713	954.49	15.8894	101067.15	0.0124	154.45	0.8357	2464.67
51	1705349-2 10X	0.0167	1586.77	0.1819	988.93	3.6707	26135.16	0.0039	61.11	0.2461	783.36
52	LCV	1.0740	7536.25	0.5483	2355.76	10.9130	64223.33	0.5281	5295.37	2.0903	5472.09
53	CCV	52.1168	318224.63	19.7777	82784.14	508.4380	2988444.43	10.0093	105906.28	50.6737	138141.11
54	CCB	0.0046	1471.20	0.0129	256.67	0.1544	4770.90	0.0005	23.33	0.0000	92.22
55	1705460-1 100X	0.0067	1444.53	0.1427	777.81	0.2654	5281.10	0.0033	51.11	0.2016	624.47
56	1705460-2 100X	2.2202	15458.54	0.1491	854.48	16.4490	103932.58	0.0714	800.03	0.9282	2713.60
57	1705461-1 100X	-0.0110	1412.31	0.1645	912.26	0.2641	5554.56	0.0022	42.22	0.1076	394.46
58	1705461-2 100X	0.7957	6281.29	0.1995	1034.49	6.7154	43311.63	0.0301	335.57	0.5252	1522.32
59	1705462-1 100X	-0.0102	1400.08	0.1858	993.38	0.0592	4277.43	0.0031	51.11	0.3024	930.04
60	1705462-2 100X	0.0097	1527.87	0.2023	1066.72	0.1677	4940.97	0.0029	48.89	0.0122	127.78
61	1705462-3 100X	0.0051	1499.00	0.1872	1002.27	0.1818	5021.05	0.0038	58.89	0.0044	105.56
62	1705462-4 100X	-0.0004	1498.99	0.1544	882.26	0.1219	4770.92	0.0023	43.33	0.0077	117.78

Analyte Table

		52 Cr [2]		55 Mn [2]		56 Fe [2]		59 Co [2]		60 Ni [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
63	1705462-5 100X	0.0073	1521.20	0.1740	951.15	0.0721	4387.47	0.0050	72.22	0.3277	1007.82
64	1705462-6 100X	-0.0042	1446.75	0.2258	1168.95	0.1480	4830.91	0.0039	60.00	0.0262	166.67
65	CCV	51.7281	323555.22	19.8487	85109.36	508.9805	3064809.22	9.9586	107930.04	50.5601	141199.89
66	CCB	0.0033	1507.87	0.0117	258.90	0.2208	5324.46	0.0012	31.11	0.0041	106.67
67	1705462-7 100X	-0.0133	1392.30	0.2817	1411.19	0.0947	4524.18	0.0063	86.67	0.0244	162.23
68	1705462-8 100X	-0.0045	1462.31	0.1841	1004.49	0.1736	5051.01	0.0130	160.00	0.0581	258.90
69	1705462-9 100X	0.0015	1487.87	0.1400	807.81	-0.0332	3763.96	0.0014	33.33	0.4556	1367.86
70	1705462-10 100X	0.0019	1495.64	0.0329	350.01	1.2105	11297.78	0.0009	27.78	-0.0016	90.00
71	ZZZ										
72	CCV	51.1845	319855.42	19.4587	83348.09	503.9982	3031931.73	9.8889	107060.78	50.2683	140253.99
73	CCB	-0.0175	1368.96	0.0148	271.12	0.1737	5014.33	0.0005	23.34	0.0004	95.56
74	IP170524-6MB ...	-0.0037	1446.75	0.0126	260.01	7.5805	49338.65	0.0008	26.67	0.0935	353.35
75	IM170524-6LCS...	51.0855	316674.86	10.1754	43339.22	507.2327	3026640.68	10.1535	109059.41	49.8633	138002.18
76	1705277-22 10X	1.4796	10891.50	23.2771	101637.25	2164.5173	13262897.72	0.7056	7807.52	1.0080	2961.41
77	1705277-22L 50X	0.3057	3445.97	4.8060	21162.69	451.2585	2770039.54	0.1464	1635.66	0.2588	832.26
78	1705277-22D 10X	1.9642	13695.83	38.1082	163099.10	2420.5726	14549662.70	0.8872	9625.15	1.5324	4367.31
79	1705277-22MS ...	53.9733	334162.57	36.9053	156496.48	3027.7585	18029465.56	11.0734	118823.22	52.1247	144103.34
80	1705277-22MSD...	55.1250	343967.10	55.5088	237148.66	3999.6676	24004462.98	11.6348	125828.44	53.2816	148469.27
81	1705277-22A 10X	60.1527	375381.85	47.6781	203809.25	2837.8861	17040785.58	12.4014	134183.01	59.2499	165177.72
82	1705277-23 10X	3.9292	25834.81	247.2582	1053509.89	7568.8993	45332362.66	4.7725	51524.92	3.1952	8977.02
83	1705277-24 10X	2.7465	18644.02	36.5036	156932.97	3160.4899	19079583.47	1.3510	14712.32	1.9018	5422.08
84	CCV	52.4249	326688.19	19.8907	84979.78	512.5486	3075214.23	10.0900	108963.35	50.8967	141623.37
85	CCB	0.0098	1566.76	0.0181	290.01	0.2458	5544.53	0.0004	23.33	-0.0030	87.78
86	1705277-25 10X	6.6957	42636.03	328.5095	1388156.44	7993.4855	47484787.63	4.4116	47237.80	6.4179	17785.34
87	1705277-26 10X	4.3965	28553.66	46.9284	198864.53	5068.3127	30166582.88	2.0224	21706.75	2.8787	8044.32
88	1705277-27 10X	4.9772	32519.85	131.2157	562418.24	5836.0149	35154187.81	3.0110	32707.13	3.8102	10744.75
89	1705277-28 10X	1.6783	11871.05	15.8528	67704.91	1953.1829	11695322.74	0.4885	5287.59	0.7927	2296.86
90	1705277-29 10X	3.1941	21317.27	38.4580	164319.84	4497.5961	26985934.60	1.6746	18122.41	2.0747	5870.02
91	1705277-30 10X	1.5469	11132.79	16.9952	73060.91	2626.6440	15833121.85	0.6984	7605.19	0.9936	2874.74
92	1705277-31 10X	6.4730	41483.20	427.2731	1814896.04	9504.6912	56761069.15	4.9280	53049.80	5.9223	16506.28
93	1705277-32 10X	1.1763	9082.61	12.3344	54669.34	1368.2156	8495203.00	0.4296	4822.99	0.6494	1965.70

Analyte Table

		52 Cr [2]		55 Mn [2]		56 Fe [2]		59 Co [2]		60 Ni [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
94	1705277-33 10X	6.9249	45029.03	71.4499	308831.39	6926.1824	42062157.71	3.7494	41045.78	6.5224	18477.18
95	1705277-34 10X	2.3837	16479.49	30.4089	131579.83	3179.2926	19313143.46	1.2177	13346.66	1.8439	5292.05
96	CCV	52.9563	331658.37	20.0586	86132.38	510.6058	3078660.26	10.0671	109269.25	50.9740	142550.89
97	CCB	-0.0123	1433.42	0.0165	284.45	0.3121	5974.69	-0.0003	15.56	0.0669	289.15
98	1705277-35 10X	2.6445	18076.75	27.3691	118167.80	2362.5193	14317775.62	1.8393	20100.23	1.8123	5190.92
99	1705277-36 10X	1.5269	11099.41	15.6321	67781.95	1744.1024	10602315.67	0.5545	6090.10	0.9145	2673.60
100	1705277-37 10X	1.2288	9119.32	16.5810	71069.87	1888.6906	11351993.16	0.6170	6698.13	0.8984	2599.13
101	1705277-38 10X	2.1485	14777.90	35.6135	151771.32	2757.4730	16501241.00	0.9301	10045.44	1.5652	4439.55
102	LCV	1.0357	8030.99	0.5407	2553.57	13.3896	85633.87	0.5214	5745.54	2.0728	5960.06
103	CCV	51.8520	319494.07	19.9446	84249.16	513.6012	3046482.04	9.9996	106773.33	50.7155	139525.69
104	CCB	0.0083	1527.87	0.0162	276.68	0.2679	5567.92	-0.0002	15.56	-0.0051	80.00
105	IP170525-1MB ...	-0.0073	1442.31	0.0908	600.02	15.2709	96577.00	0.0010	28.89	0.0764	310.01
106	IM170525-1LCS...	50.9351	319585.96	10.0356	43267.88	525.0373	3170786.51	10.2031	110921.64	49.8614	139673.63
107	1704607-1 10X	2.5869	17421.58	226.5960	960579.51	4859.1440	28954746.24	2.2118	23769.58	2.7833	7788.61
108	1704607-1L 50X	0.5717	4934.14	46.1878	193794.54	1013.6756	5976781.16	0.4917	5239.37	0.5591	1621.21
109	1704607-1D 10X	1.9819	13595.74	174.1966	733328.60	4399.1802	26031125.44	2.0537	21919.23	2.2913	6385.78
110	1704607-1MS 10X	53.7152	324588.78	211.3178	873570.45	6252.6712	36336074.46	12.5062	130970.51	52.5099	141693.48
111	1704607-1MSD ...	52.8910	322601.81	194.6478	812218.39	5595.1117	32817348.68	11.9769	126581.98	50.8875	138595.07
112	1704607-1A 10X	61.0497	377191.58	252.3964	1067288.46	5532.2270	32884129.51	13.7842	147660.51	60.7524	167694.83
113	1704607-2 10X	1.6099	11438.56	85.5328	364280.35	2687.9365	16089437.26	1.0892	11762.15	1.9751	5579.93
114	1704607-3 10X	3.1729	20527.35	206.5065	854262.03	6989.9667	40644402.73	3.3266	34871.46	4.7583	12930.78
115	CCV	52.9054	325585.06	20.3593	85885.07	518.8632	3074129.02	10.2366	109175.96	51.3373	141085.87
116	CCB	-0.0122	1385.64	0.0117	254.45	0.3195	5821.35	0.0003	21.11	0.0101	121.11
117	1704607-4 10X	1.1055	8110.97	110.6509	459481.16	2952.0536	17229688.08	1.2749	13424.51	1.5763	4360.64
118	1704607-5 10X	3.5900	22491.10	387.8526	1566210.18	5884.6242	33404670.34	2.9928	30628.69	5.8078	15388.49
119	1704607-6 10X	1.3185	9306.10	125.1731	514490.40	2068.7998	11953645.24	0.8594	8963.68	1.2024	3312.60
120	1704607-7 10X	1.0258	7747.47	60.6005	255623.94	1493.2657	8852081.53	0.5525	5916.71	0.8453	2416.88
121	1704607-8 10X	1.5834	11000.49	230.0147	954848.99	3815.0835	22262894.67	1.1454	12058.98	1.4988	4150.58
122	1704607-9 10X	1.4127	10197.73	97.3008	413483.62	2048.1620	12234044.82	0.8238	8880.30	1.0850	3100.34
123	1704607-10 10X	5.6820	35988.08	292.5220	1222045.19	4366.6746	25642767.12	1.9517	20665.46	2.6973	7441.79
124	1704607-11 10X	1.5090	10691.36	144.1465	606577.89	2723.4995	16109964.76	1.0921	11656.50	1.6114	4515.13

Analyte Table

		52 Cr [2]		55 Mn [2]		56 Fe [2]		59 Co [2]		60 Ni [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
125	1704607-12 10X	3.0430	19327.08	286.9638	1161839.40	3095.5060	17619403.90	1.8000	18473.92	4.5021	11983.36
126	1704607-13 10X	6.6875	40918.49	416.7612	1691991.50	4614.3255	26339857.94	2.3875	24572.98	7.7664	20657.62
127	CCV	52.0581	320894.02	19.9227	84187.64	511.2640	3033780.58	9.9112	105866.92	50.4903	138964.13
128	CCB	-0.0133	1386.74	0.0267	320.01	0.3097	5797.94	0.0006	24.45	0.0074	114.45
129	1704607-14 10X	2.3212	15017.00	232.0769	935961.70	3312.4784	18778858.47	1.7603	17997.82	3.6616	9725.23
130	1704607-15 10X	1.2174	8591.24	122.8446	498635.85	1709.4016	9754009.23	0.7905	8145.46	1.6631	4491.82
131	1704607-16 10X	3.2190	20051.23	261.7282	1043341.04	4737.5917	26547512.94	2.5148	25410.94	5.1596	13505.69
132	1704607-17 10X	3.1378	19884.38	115.0818	466060.31	3564.7800	20290069.70	1.6521	16958.93	3.9769	10593.56
133	1704607-18 10X	2.5237	16456.15	194.7924	797928.25	5244.7920	30200831.22	2.1613	22444.42	2.8958	7826.41
134	1704607-19 10X	0.6228	5267.59	104.0456	438106.66	2027.2187	11997860.24	0.6977	7458.46	1.0334	2930.31
135	LCV	1.0973	8088.75	0.5777	2608.02	13.3300	81897.70	0.5235	5541.00	2.1000	5798.88
136	CCV	51.9742	310855.73	19.8782	81507.58	509.5689	2933727.56	10.0471	104128.76	50.5485	135001.82
137	CCB	-0.0050	1396.75	0.0244	301.12	0.2478	5264.39	0.0017	35.55	0.0054	105.56
138	IP170525-2MB ...	-0.0157	1335.63	0.0381	358.90	14.6084	88955.42	0.0006	23.33	0.2421	745.58
139	IM170525-2LCS...	49.0906	293926.79	9.8358	40464.07	494.1984	2847805.79	9.8994	102682.43	49.6772	132781.63
140	1704607-20 10X	5.7484	35046.12	592.8453	2384919.56	3945.6450	22316014.67	2.0880	21296.23	8.1249	21414.11
141	1704607-21 10X	4.2385	26103.15	261.4585	1047801.28	5207.1075	29335017.90	2.7338	27763.66	5.7342	15078.17
142	1704607-22 10X	2.0623	14052.78	184.1810	773561.72	3948.2612	23310836.32	1.7949	19112.40	2.3145	6432.46
143	1704607-23 10X	8.3467	50279.71	594.4383	2392334.49	5190.5556	29373322.06	3.2046	32689.26	10.8756	28646.27
144	1705291-4 10X	21.5176	128851.99	37.6094	153228.83	40944.9073	2.34227E+08	0.8280	8552.32	2.9921	8034.32
145	1705291-4L 50X	4.3158	27434.05	7.4011	30837.86	8099.5953	47146805.96	0.1724	1825.68	0.5595	1602.32
146	1705291-4D 10X	23.7480	143646.71	33.9465	139863.66	32336.0678	1.87027E+08	0.8154	8516.77	1.8739	5120.86
147	1705291-4MS 10X	75.8568	447415.97	45.3628	183425.97	50544.5560	2.87019E+08	10.7757	110284.57	50.6820	133679.04
148	CCV	51.2844	310297.17	19.6060	81319.07	510.2899	2972455.16	9.8136	102905.70	50.3369	135987.85
149	CCB	0.0149	1514.54	0.0238	298.89	0.6039	7331.92	0.0017	35.56	0.0119	123.33
150	1705291-4MSD ...	74.6003	446572.85	39.2361	161050.66	35417.7079	2.04126E+08	10.8418	112623.09	51.4537	137728.82
151	1705291-4A 10X	82.3451	481528.21	62.0864	248892.56	42927.4555	2.41763E+08	12.7967	129878.96	63.6475	166432.59
152	LCV	1.0193	7834.19	0.5288	2473.56	13.5586	85636.41	0.5181	5642.16	1.9941	5668.84
153	CCV	52.2091	309039.15	19.9715	81036.69	515.1749	2935506.10	10.0609	103189.77	51.0552	134946.81
154	CCB	0.0063	1481.20	0.0178	276.67	0.4757	6665.00	-0.0003	14.45	0.0111	122.22
155	IP170525-3MB ...	0.0107	1514.54	-0.0151	140.00	2.5201	18764.89	0.0005	23.33	0.0230	155.56

Analyte Table

		52 Cr [2]		55 Mn [2]		56 Fe [2]		59 Co [2]		60 Ni [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
156	IM170525-3LCS...	50.3205	297408.52	9.8746	40101.08	506.1561	2879155.79	10.0481	102891.73	49.1966	129819.69
157	ZZZ										
158	1705407-1 10X	13.9697	86518.20	221.9006	928554.69	12627.9770	74272320.56	5.4049	57301.73	11.8384	32404.32
159	1705407-2 10X	8.7303	54454.95	95.8825	400213.93	18078.2850	1.06028E+08	3.4320	36289.02	6.5839	18012.28
160	1705407-3 10X	12.8631	77613.35	194.0882	790182.10	9820.6252	56195819.16	4.5013	46432.24	10.0995	26908.89
161	1705454-1 10X	11.7450	73510.35	187.1186	788914.83	8912.3622	52812820.88	3.6690	39196.78	8.9065	24583.03
162	1705454-1L 50X	2.4316	16142.54	37.8462	157459.88	1822.6726	10651730.47	0.7482	7894.23	1.8955	5227.57
163	1705454-1D 10X	11.9452	74848.52	223.0132	941445.34	10807.2716	64125749.04	4.5526	48697.56	11.0885	30627.59
164	1705454-1MS 10X	63.9493	384955.51	238.5303	983015.45	11707.1963	67818297.32	15.0581	157196.17	61.1840	164576.34
165	CCV	52.3733	320383.07	20.0736	84180.11	518.0191	3050319.43	10.0359	106383.10	50.7514	138624.23
166	CCB	0.0010	1488.98	0.0182	286.67	0.4924	6958.47	0.0009	27.78	-0.0029	86.67
167	1705454-1MSD ...	64.2856	400282.91	207.2660	883562.33	10305.9811	61751315.74	14.6364	158056.76	62.9611	175177.12
168	1705454-1A 10X	72.5834	444806.67	218.2020	915852.81	9872.9995	58247495.80	15.7584	167552.41	68.9636	188901.07
169	1705496-1 10X	13.5216	81897.01	319.4911	1306765.33	12318.8827	70827933.94	5.9344	61491.21	12.6917	33958.55
170	1705498-1 10X	0.0307	1662.33	0.6580	3004.78	31.7018	193454.73	0.0150	180.01	0.0896	342.23
171	LCV	1.0431	7728.57	0.5302	2399.11	13.0423	79895.32	0.5046	5322.05	2.0824	5727.77
172	CCV	50.4613	302756.99	19.2620	79233.49	499.7745	2886393.29	9.6931	100762.69	49.0782	131461.54
173	CCB	0.0232	1525.65	0.0321	324.45	0.4045	6018.09	0.0004	21.11	0.0120	120.01
174	IP170524-4RBM...	0.0020	1515.65	0.3900	1907.91	2.4237	18854.92	0.0012	31.11	0.1247	450.01
175	IP170524-4MB ...	0.8687	7157.21	0.0735	542.24	2.7696	21424.78	0.0012	32.22	0.0958	375.56
176	IM170524-4LCS...	49.5804	320510.15	13.0396	57843.29	490.8872	3054218.08	9.9914	111895.99	49.4151	142596.54
177	IM170524-4LCS...	48.8853	310166.70	9.7203	42376.75	479.1034	2925800.48	9.8402	108155.97	48.3410	136902.19
178	1705104-1 10X	0.6788	5921.85	0.0691	522.24	4.9342	34918.32	0.0012	32.22	0.5897	1806.79
179	1705104-2 10X	0.5210	4897.47	0.0703	526.68	4.4917	32122.60	0.0060	85.56	0.3400	1082.27
180	1705104-3 10X	0.3228	3580.46	0.0525	443.35	3.3246	24619.96	0.0041	64.45	0.2754	885.59
181	LCV	1.0570	8470.04	0.5938	2886.97	13.6007	90124.09	0.5184	5923.38	2.1027	6267.95
182	CCV	53.5291	339137.58	20.2629	88019.96	525.7354	3206471.51	10.3235	113348.44	51.9265	146913.71
183	CCB	0.0295	1702.34	0.0485	425.57	0.4296	6708.34	0.0016	36.67	0.0275	175.56
184	FP170524-4MB...	0.0226	1657.88	0.3500	1743.46	3.2875	24328.83	0.0019	40.00	0.0283	177.78
185	FP170526-4MB...	0.0377	1749.01	0.2977	1518.43	3.1638	23494.38	0.0009	28.89	0.3067	971.15
186	IP170526-4MB ...	0.0279	1725.67	0.3333	1718.45	3.2856	24829.60	0.0019	40.00	0.0325	193.34

Analyte Table

		52 Cr [2]		55 Mn [2]		56 Fe [2]		59 Co [2]		60 Ni [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
187	IM170526-4LCS...	51.0253	329854.39	10.0670	44720.78	506.3436	3150213.29	10.1370	113566.17	49.5085	142906.71
188	1705474-1 10X	0.0758	1997.93	4.2811	18985.57	23.7992	150766.85	0.0770	874.49	0.5112	1558.98
189	1705474-2 10X	0.0550	1810.13	12.7502	54492.99	28.4633	174314.95	0.0155	185.56	0.1331	463.35
190	1705484-1 10X	0.0619	1860.13	1.6955	7452.90	7.7506	50525.82	0.0015	34.45	0.0408	207.78
191	1705520-1 10X	0.0417	1733.45	0.1115	682.25	4.6132	31631.62	0.0055	77.78	0.2686	842.26
192	1705520-1L 50X	0.0255	1655.67	0.0467	412.24	0.9775	9966.84	0.0015	34.44	0.3143	984.49
193	1705520-1D 10X	0.0215	1644.55	0.1542	885.60	12.5914	81349.00	0.0090	117.78	0.3254	1023.38
194	CCV	53.1095	332531.52	20.0001	85855.17	515.9079	3109847.14	10.1629	110276.35	51.0928	142852.92
195	CCB	0.0292	1720.12	0.0329	361.12	0.3321	6178.12	0.0007	26.67	0.0200	155.56
196	1705520-1MS 10X	51.5498	316426.57	10.4366	44005.43	505.6242	2988723.81	10.3429	110008.92	50.5631	138585.96
197	1705520-1MSD ...	51.0530	326438.12	10.2195	44899.92	516.4815	3179057.56	10.2641	113716.98	50.4294	143963.78
198	1705522-1 10X	0.0624	1847.91	0.1678	915.59	10.7531	67995.53	0.0060	82.22	0.4632	1375.63
199	1705522-2 10X	0.0560	1821.25	3.5020	15157.14	3.7644	26542.46	0.0033	53.33	0.1386	480.02
200	1705530-1 10X	0.2159	2866.96	15.6969	68457.07	155.1557	952362.88	0.2408	2671.37	0.9585	2814.72
201	1705531-1 10X	0.0616	1904.58	0.1839	1017.83	3.2747	24182.88	0.0041	64.45	0.0363	200.00
202	LCV	1.0778	8354.45	0.5882	2776.94	13.3286	85808.15	0.5441	6032.31	2.0619	5963.38
203	CCV	52.2113	327068.23	20.0452	86076.29	513.3237	3095390.37	10.0648	109262.16	50.9642	142560.81
204	CCB	0.0118	1598.99	0.0185	295.56	0.0839	4607.51	0.0016	36.66	0.0087	122.22
205	IP170526-2MB ...	-0.0144	1441.20	0.0341	366.68	6.6000	45340.42	0.0014	34.45	0.1035	397.79
206	IM170526-2LCS...	48.9270	312252.38	9.6766	42431.22	485.6485	2983116.00	9.7684	107990.32	48.1551	137178.74
207	1705097-2 10X	29.3792	187390.71	542.2590	2357271.78	20872.1519	1.27555E+08	12.5763	138525.07	29.1465	82763.72
208	1705097-2L 50X	5.9821	39097.48	111.7985	483059.95	4288.9609	26047080.45	2.5899	28353.52	5.9694	16918.85
209	1705097-2D 10X	26.3688	166749.03	709.9848	3057268.28	19769.5615	1.19662E+08	12.2464	133623.72	27.4180	77119.99
210	1705097-2MS 10X	85.3953	526003.07	687.6540	2902388.98	23959.2006	1.42143E+08	24.6821	263883.24	83.7407	230653.31
211	1705097-2MSD ...	81.7602	517373.59	729.6318	3162748.55	23212.2045	1.41454E+08	23.5586	258725.50	79.7465	225625.32
212	1705097-2A 10X	88.9040	563769.59	575.3996	2500329.00	21851.6456	1.33474E+08	24.4920	269597.10	87.8335	249096.82
213	1705223-2 10X	34.3950	222038.88	504.8073	2223649.84	24956.0237	1.54532E+08	15.6996	175201.49	33.1205	95278.66
214	1705324-2 10X	32.8636	211103.74	523.6633	2294297.48	22489.3397	1.38527E+08	14.1350	156906.12	31.9098	91320.99
215	CCV	52.9846	344820.12	20.1635	89967.04	521.2585	3265687.45	10.1107	114023.92	51.5505	149804.26
216	CCB	0.0138	1651.22	0.0400	400.01	0.5986	7988.97	0.0009	28.89	0.0197	157.78
217	1705362-2 10X	29.0963	188835.54	630.4819	2788566.90	21769.5823	1.35353E+08	12.6644	141912.28	28.5283	82416.42

Analyte Table

		52 Cr [2]		55 Mn [2]		56 Fe [2]		59 Co [2]		60 Ni [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
218	1705489-2 10X	32.9157	210883.73	690.5512	3017946.41	25625.1077	1.57427E+08	15.9218	176284.94	35.4076	101049.30
219	1705489-4 10X	34.3191	220765.99	359.3627	1577599.52	23763.2116	1.46606E+08	14.3461	159523.25	31.5901	90551.27
220	1705514-1 10X	11.1912	73507.03	291.1997	1286845.43	31343.7118	1.94710E+08	5.9691	66835.27	14.7597	42654.23
221	1705514-2 10X	8.7893	57393.63	239.4974	1046379.23	16003.6180	98280668.54	6.3860	70689.99	14.4291	41220.64
222	1705514-3 10X	9.0346	59464.33	212.7348	937516.25	16632.6099	1.03025E+08	6.4590	72111.82	15.9169	45852.94
223	LCV	1.0986	8650.17	0.6001	2885.86	14.1571	92671.43	0.5447	6159.02	2.1233	6262.41
224	CCV	53.0158	338117.16	20.2258	88440.85	518.0654	3180892.97	10.1425	112097.78	51.0706	145439.28
225	CCB	0.0414	1804.57	0.0265	333.34	0.5069	7298.63	0.0016	36.66	0.0216	161.12
226	IP170526-1MB ...	0.0433	1835.69	0.1029	680.03	13.5614	89903.38	0.0014	35.56	0.0372	207.79
227	IM170526-1LCS...	51.7896	339867.92	9.9545	44892.08	509.5421	3218828.18	10.3304	117468.89	50.8598	149014.86
228	1704512-3 10X	0.1523	2452.45	0.1342	792.25	2.1269	16949.90	0.0198	234.45	0.4118	1260.07
229	1705410-1 10X	0.9987	7866.41	0.1151	715.58	6.8789	46343.04	0.0026	47.78	0.0527	246.67
230	1705410-1L 50X	0.2197	2923.64	0.0635	492.24	2.3065	18327.73	0.0013	33.33	0.0399	211.12
231	1705410-1D 10X	1.0522	8005.36	0.0919	598.91	1.6138	13626.11	0.0017	36.67	0.1842	606.69
232	1705410-1MS 10X	52.3755	328085.41	10.3735	44652.70	507.4631	3060594.02	10.2314	111082.85	49.9955	139862.67
233	1705410-1MSD ...	51.7808	324809.89	10.1035	43553.14	498.9140	3012742.25	10.0472	109221.27	49.2367	137920.34
234	1705410-3 10X	1.7882	12683.90	0.2017	1076.72	6.1127	40976.11	0.0201	237.78	0.2200	713.36
235	LCV	1.1182	8669.05	0.5883	2798.06	13.8105	89363.16	0.5377	6003.41	2.1640	6299.08
236	CCV	52.8240	332688.18	20.1744	87104.77	519.1185	3147521.62	10.1376	110643.90	51.2869	144216.40
237	CCB	0.0348	1751.23	0.0234	318.90	0.3103	6031.37	0.0004	23.33	0.0204	156.67

Analyte Table

		63 Cu [2]		66 Zn [2]		75 As [2]		78 Se [2]		88 Sr [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	blank	0.0025	335.56	0.2376	326.68	-0.0021	5.67	-0.1386	2.93	0.0011	76.67
2	blank	-0.0043	318.90	0.2072	310.01	0.0020	9.33	-0.1474	2.40	0.0069	113.34
3	blank	0.0018	356.68	0.2603	386.69	0.0111	16.00	-0.1386	3.20	0.0106	130.01
4	blank	0.0000	354.45	0.2642	403.35	0.0000	7.67	0.0000	15.60	0.0000	80.00
5	H/1000										
6	H/100	11.3743	76768.61	25.6986	39365.32	1.0756	845.36	0.8952	95.87	1.1062	5711.27
7	H/10	106.3352	699961.08	208.9292	313344.34	10.0782	7613.13	10.2197	912.16	9.8170	48988.94
8	HIGH	999.3527	6474448.35	1999.0501	2948347.04	99.9914	76703.95	99.9791	8654.43	100.0172	490794.94
9	ICV	214.4460	1363399.39	418.2518	606004.84	19.1428	14535.15	21.3121	1821.84	20.9153	100733.59
10	ICB	0.0033	353.34	1.0289	1473.47	0.0030	9.67	-0.0915	6.93	0.0059	103.34
11	LIV	2.5249	16518.47	10.9706	16025.08	0.2088	162.33	1.1737	114.60	0.4643	2326.94
12	ICSA	0.1056	1006.71	0.3066	443.36	0.0093	15.00	-0.1386	3.07	0.3824	1913.54
13	ICSAB	107.5911	685415.30	209.4661	304050.19	10.0083	7781.21	10.5377	909.76	10.9205	52734.70
14	CCV	106.4002	717940.27	209.0440	321369.96	9.8824	7791.89	10.0170	916.70	9.7852	50042.38
15	CCB	0.0075	416.68	0.3039	480.03	-0.0063	3.00	-0.1517	2.13	0.0059	113.34
16	IP170523-1MB ...	0.0452	665.58	0.3666	566.71	-0.0024	6.00	-0.1379	3.33	0.0057	110.00
17	IM170523-1LCS...	204.2040	1377734.42	403.6079	620614.48	19.5501	15551.09	19.6918	1787.43	19.0371	97317.70
18	1705095-1 1000X	0.2481	1986.82	2.1697	3263.83	0.0181	21.67	-0.1430	2.80	686.4592	3429585.89
19	1705158-1 10X	0.0312	545.57	1.1972	1770.18	-0.0002	8.00	-0.1085	5.73	95.7306	470278.83
20	1705158-1L 50X	0.0099	427.79	0.4216	653.38	0.0027	10.33	-0.1527	2.00	17.6577	90978.48
21	1705158-1D 10X	0.0276	523.35	1.0162	1506.80	-0.0035	5.33	-0.1380	3.20	92.9817	458142.74
22	1705158-1MS 10X	210.9378	1364876.61	415.7753	613135.33	19.1268	15383.60	20.1112	1750.63	113.9703	558313.66
23	1705158-1MSD ...	212.6803	1387250.19	418.2122	621736.47	19.5716	15662.87	20.2221	1774.23	115.4812	570318.85
24	1705177-1 1000X	2.0553	14184.06	3.9650	6081.37	-0.0012	7.00	-0.1377	3.33	25.0367	127641.58
25	1705177-2 1000X	0.6077	4413.98	1.8682	2843.69	-0.0031	5.33	-0.1330	3.73	32.6746	165365.18
26	CCV	105.5499	715712.68	208.0971	321515.04	10.0815	7840.24	10.1289	931.36	9.7316	50022.84
27	CCB	0.0057	407.79	0.2722	430.03	0.0303	31.01	-0.1534	2.00	0.0006	86.67
28	1705177-3 1000X	0.0123	436.68	0.8975	1370.12	0.0015	9.00	-0.1643	0.93	40.7899	206904.55
29	1705202-1 100X	4.9377	32357.60	3.1183	4610.86	0.1628	134.33	-0.1133	5.33	87.2736	428620.35
30	1705203-1 10X	0.0946	892.26	1.0211	1406.79	0.0806	68.00	-0.1120	5.07	480.0651	2197928.61
31	1705212-1 10X	0.2819	2243.53	24.0467	36722.36	0.0335	33.67	-0.1180	5.07	1.3838	7101.99

Analyte Table

		63 Cu [2]		66 Zn [2]		75 As [2]		78 Se [2]		88 Sr [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	1705212-2 10X	0.3815	2925.86	22.7209	34881.71	0.0401	39.00	-0.1302	4.00	0.9451	4901.05
33	1705212-3 10X	0.3311	2561.35	29.0047	44107.49	0.0900	77.00	-0.1238	4.53	0.8239	4240.77
34	1705240-1 10X	0.8025	5817.77	5.0904	7895.60	0.0240	26.67	-0.1294	4.13	39.5281	203759.54
35	1705242-1 10X	1.6975	11425.22	6.3430	9436.51	0.0370	36.33	-0.0644	9.47	42.9450	212325.86
36	1705243-1 10X	3.9628	26473.74	5.9832	8992.88	0.0465	45.67	-0.1657	0.80	134.3085	670521.37
37	1705369-1 10X	0.3444	2506.90	1.3380	1923.54	0.0433	46.00	-0.1290	3.87	337.8167	1614503.15
38	CCV	105.2078	715667.70	207.2366	321182.63	9.8561	7616.80	9.9845	921.50	9.8066	50564.40
39	CCB	0.0119	445.57	0.3561	556.70	-0.0025	6.00	-0.1486	2.40	0.0098	133.34
40	1705369-3 10X	0.6701	4883.02	2.8197	4340.81	0.0380	38.00	-0.1377	3.33	0.2540	1380.12
41	1705376-1 10X	0.0567	683.36	0.4154	590.04	0.0105	18.00	-0.1235	4.27	91.4315	431484.04
42	1705376-3 10X	0.1727	1386.74	1.3428	1880.19	0.0149	20.33	-0.0819	7.60	225.2554	1048283.32
43	1705376-5 10X	0.0998	957.82	0.5763	823.39	0.0119	18.33	-0.1033	6.00	120.9596	574960.21
44	1705376-7 10X	0.1059	996.71	0.7929	1133.43	0.0212	26.33	-0.0999	6.27	127.2116	604336.67
45	1705380-1 1000X	0.0217	508.91	0.7723	1200.36	-0.0076	2.00	-0.1353	3.60	149.9421	774595.93
46	CCV	107.4551	728937.73	211.1811	326381.31	9.9794	8008.33	10.3020	947.23	9.9331	51079.26
47	CCB	0.0148	465.57	0.3154	493.37	-0.0060	3.33	-0.1398	3.20	0.0016	90.00
48	IP170523-3MB ...	0.0192	503.35	0.3699	586.70	-0.0013	7.00	-0.1633	1.07	0.0099	136.67
49	IM170523-3LCS...	104.8562	720239.57	206.6491	323413.40	10.1305	8085.70	9.9958	931.36	9.9001	51550.70
50	1705389-1 10X	0.0605	785.59	0.8215	1296.77	-0.0007	7.67	-0.0607	10.53	0.1120	670.05
51	1705349-2 10X	0.0880	965.60	1.2237	1910.20	-0.0006	7.67	-0.1076	6.13	0.9032	4764.29
52	LCV	2.5173	16177.02	10.8421	15554.89	0.2241	169.00	0.9685	95.87	0.5426	2660.34
53	CCV	106.3670	708283.27	209.7069	318189.23	9.9607	7699.18	10.0389	906.83	9.7346	49146.73
54	CCB	0.0100	418.90	0.3492	530.03	-0.0028	5.67	-0.1387	3.20	0.0013	86.67
55	1705460-1 100X	0.0217	484.46	0.7327	1083.42	0.1509	122.00	-0.1579	1.47	7.0579	34739.17
56	1705460-2 100X	0.1370	1308.96	2.4730	3883.98	2.6798	2132.48	-0.1458	2.67	1.4211	7498.78
57	1705461-1 100X	0.0092	424.46	0.4582	713.39	0.1367	115.67	-0.1499	2.27	6.2656	32481.02
58	1705461-2 100X	0.0560	725.58	1.1305	1716.84	0.9885	780.69	-0.1402	3.07	8.5142	43012.48
59	1705462-1 100X	0.0154	462.24	0.4610	710.05	0.1012	87.00	-0.1615	1.20	1.2348	6401.57
60	1705462-2 100X	0.0060	400.01	0.3084	476.70	0.1023	89.00	-0.1469	2.53	1.5784	8195.83
61	1705462-3 100X	0.0058	397.79	0.3924	606.71	0.0968	82.67	-0.1334	3.73	1.7305	8959.62
62	1705462-4 100X	0.0068	413.34	0.5192	820.06	0.0962	84.67	-0.1574	1.60	1.5590	8265.85

Analyte Table

		63 Cu [2]		66 Zn [2]		75 As [2]		78 Se [2]		88 Sr [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
63	1705462-5 100X	0.0057	400.01	0.5067	786.72	0.1134	96.67	-0.1616	1.20	1.7672	9203.11
64	1705462-6 100X	0.0097	425.57	0.3555	550.04	0.1435	120.33	-0.1484	2.40	2.0284	10523.88
65	CCV	105.7229	721227.16	208.2614	323728.60	9.8111	7873.93	9.9726	922.83	9.5771	49518.04
66	CCB	0.0048	396.68	0.3162	496.70	-0.0035	5.33	-0.1529	2.00	0.0054	110.01
67	1705462-7 100X	0.0130	448.90	0.4913	763.39	0.2624	212.00	-0.1278	4.27	2.5590	13282.80
68	1705462-8 100X	0.0169	481.13	0.4524	710.05	0.5470	443.68	-0.1342	3.73	3.4084	17854.04
69	1705462-9 100X	0.0087	421.12	0.3012	470.03	0.0864	76.33	-0.1497	2.27	0.9902	5201.07
70	1705462-10 100X	0.0039	390.01	0.3867	603.38	0.0433	42.67	-0.1356	3.60	46.2923	240334.58
71	ZZZ										
72	CCV	104.9819	715413.06	206.2005	320177.42	9.7613	7696.84	9.9662	921.23	9.5021	49089.67
73	CCB	0.0109	435.57	0.2804	436.69	-0.0030	5.67	-0.1456	2.67	0.0035	100.01
74	IP170524-6MB ...	0.0132	448.90	0.4610	713.38	-0.0054	3.67	-0.1573	1.60	-0.0002	80.00
75	IM170524-6LCS...	105.9868	716492.89	210.7272	324578.61	10.1991	8101.37	10.3042	944.56	10.0330	51413.86
76	1705277-22 10X	0.8757	6452.47	6.4169	10156.91	1.9004	1516.74	0.3835	51.73	8.6784	45733.29
77	1705277-22L 50X	0.2071	1807.91	1.6359	2590.34	0.3548	289.67	-0.0221	14.13	1.7598	9343.10
78	1705277-22D 10X	1.1865	8444.52	8.4680	13152.58	3.1732	2554.87	0.5002	61.33	13.2546	68467.28
79	1705277-22MS ...	108.1605	730483.11	220.2051	338836.54	12.1071	9793.63	11.0024	1006.30	19.3730	99083.31
80	1705277-22MSD...	109.6035	746029.81	224.3323	347922.18	13.5089	11028.76	11.1113	1024.16	29.0176	149578.07
81	1705277-22A 10X	121.1260	824841.02	249.9459	387848.79	12.5282	10058.79	11.6544	1074.04	20.6982	106768.23
82	1705277-23 10X	2.8511	19718.67	33.7167	52164.92	8.1918	6571.01	0.5679	67.20	84.6277	435170.62
83	1705277-24 10X	1.6034	11335.16	8.3322	12999.13	1.4329	1151.38	0.3977	52.27	12.8421	66636.56
84	CCV	106.1150	721254.80	209.0833	323789.23	9.9406	7885.27	10.3336	952.30	9.7315	50143.19
85	CCB	0.0116	448.90	0.3445	546.70	-0.0039	5.00	-0.1558	1.73	-0.0038	63.33
86	1705277-25 10X	7.5184	50992.29	25.7370	39509.36	3.5402	2849.93	0.9922	104.93	72.0318	367397.00
87	1705277-26 10X	2.7357	18818.78	15.0982	23220.70	1.5952	1266.39	0.5918	69.07	25.4904	130322.54
88	1705277-27 10X	4.3732	30227.98	17.9015	27878.01	1.9623	1586.09	0.7548	84.67	22.1974	114890.90
89	1705277-28 10X	0.9581	6863.76	5.2545	8129.03	2.9549	2340.51	0.3144	44.27	6.2537	32220.18
90	1705277-29 10X	2.5028	17383.84	12.0170	18638.17	1.6074	1282.72	0.6667	76.40	14.9635	77150.04
91	1705277-30 10X	1.2991	9238.27	7.6148	11861.53	1.2679	1029.70	0.3070	43.87	5.1392	26669.81
92	1705277-31 10X	7.0854	48334.48	25.7172	39693.00	4.1450	3336.02	1.1132	116.27	36.2631	185985.89
93	1705277-32 10X	0.9256	6881.56	4.6646	7478.77	1.8127	1480.07	0.7332	85.33	5.1544	27538.00

Analyte Table

		63 Cu [2]		66 Zn [2]		75 As [2]		78 Se [2]		88 Sr [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
94	1705277-33 10X	10.7494	74373.12	28.1984	44257.75	1.8996	1548.75	1.1838	124.80	39.3872	205438.21
95	1705277-34 10X	1.9953	14104.03	218.7472	343455.18	1.9226	1522.74	0.5072	62.67	10.8443	56634.43
96	CCV	107.0037	730968.62	210.7599	328071.56	9.9343	8005.32	10.1389	939.23	9.9877	51714.62
97	CCB	0.0103	441.13	0.3626	576.70	0.0003	8.33	-0.1547	1.87	0.0070	120.01
98	1705277-35 10X	2.9197	20421.78	9.5082	14890.76	1.3819	1138.05	0.5148	63.20	9.3207	48565.16
99	1705277-36 10X	1.3593	9731.91	8.4663	13295.89	1.3906	1121.38	0.5456	66.27	4.5750	23948.84
100	1705277-37 10X	0.8282	6002.29	4.8387	7515.40	1.9901	1589.08	0.1541	29.87	6.7482	34889.64
101	1705277-38 10X	1.8875	13163.23	8.3244	12872.30	1.2685	1007.37	0.4528	56.80	14.3838	73968.20
102	LCV	2.5062	17688.60	16.4496	25914.84	0.2027	166.00	0.9519	103.73	0.5343	2880.40
103	CCV	106.1173	713134.02	209.6716	321051.78	10.1584	7865.93	9.8651	899.76	9.7590	49718.22
104	CCB	0.0101	430.01	0.4835	753.39	-0.0054	3.67	-0.1600	1.33	0.0042	103.34
105	IP170525-1MB ...	0.0393	634.47	0.6933	1086.76	-0.0043	4.67	-0.1588	1.47	0.0040	103.34
106	IM170525-1LCS...	105.1781	719672.89	211.2049	329274.52	10.1379	8001.33	10.1385	940.83	9.6627	50123.25
107	1704607-1 10X	4.9766	33978.67	14.1773	21832.14	2.4999	1980.80	0.3683	48.93	71.1533	364097.17
108	1704607-1L 50X	1.0258	7207.24	3.1371	4777.58	0.5364	416.35	0.4401	54.82	14.3641	72749.98
109	1704607-1D 10X	4.8202	32692.79	12.2120	18664.75	2.7158	2135.15	0.3862	50.13	66.7727	339240.42
110	1704607-1MS 10X	107.5123	708671.01	222.8509	334718.16	13.3947	10406.01	10.6048	947.23	88.6448	442272.10
111	1704607-1MSD ...	104.8754	697735.11	219.6968	333045.94	12.8541	10250.58	10.2474	924.56	76.0155	382834.58
112	1704607-1A 10X	124.1480	837047.54	255.9369	393212.60	13.0751	10190.21	12.0435	1098.44	83.1845	424623.10
113	1704607-2 10X	2.3088	16032.02	12.8554	19886.18	1.4821	1167.05	0.1586	30.13	38.3355	197044.15
114	1704607-3 10X	9.0355	59911.37	20.9644	31505.04	4.0489	3155.98	1.8205	175.47	163.2773	815162.67
115	CCV	108.5144	728393.22	214.3971	327874.20	10.0663	7873.59	9.9930	909.89	9.9189	50457.10
116	CCB	0.0083	413.34	0.3400	523.37	-0.0024	6.00	-0.1525	2.00	0.0057	110.01
117	1704607-4 10X	2.5278	17075.77	7.6178	11487.92	1.9179	1460.40	0.1804	31.33	32.2163	161477.55
118	1704607-5 10X	3.5512	23194.34	9.1616	13442.80	1.9873	1530.41	0.4419	52.93	339.6871	1655571.64
119	1704607-6 10X	1.5707	10634.68	7.7056	11501.33	1.3322	1015.04	0.1072	24.67	28.0512	139193.00
120	1704607-7 10X	0.8670	6181.28	4.0727	6238.14	0.6111	480.68	0.0037	16.00	13.0013	66221.79
121	1704607-8 10X	1.7246	11761.02	8.1372	12271.82	0.9295	727.02	0.2872	40.80	37.6497	188689.72
122	1704607-9 10X	1.2811	9031.47	5.6680	8749.43	0.6989	553.01	0.0791	22.93	21.9538	112627.18
123	1704607-10 10X	3.1109	21065.89	11.7960	17900.57	2.2971	1777.44	0.2577	38.40	60.3563	304374.08
124	1704607-11 10X	2.4942	17077.95	8.2849	12665.41	1.8045	1391.73	0.6700	75.60	50.3025	255486.95

Analyte Table

		63 Cu [2]		66 Zn [2]		75 As [2]		78 Se [2]		88 Sr [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
125	1704607-12 10X	2.7249	17924.38	7.2894	10720.67	1.3224	996.37	0.3001	40.80	189.9382	928120.01
126	1704607-13 10X	2.9381	19357.14	8.3772	12358.54	1.5465	1201.38	0.4773	56.27	259.2838	1270608.47
127	CCV	105.5637	709689.11	206.4384	316219.20	10.0949	7747.53	10.0261	914.30	9.6822	49347.48
128	CCB	0.0130	446.68	0.3659	566.71	-0.0071	2.33	-0.1556	1.73	-0.0001	80.01
129	1704607-14 10X	2.2010	14483.21	6.7068	9830.06	1.1754	872.36	0.3921	48.67	170.1428	828125.02
130	1704607-15 10X	1.2462	8401.16	154.7034	227999.15	0.8137	610.34	0.0881	22.67	50.1297	245579.70
131	1704607-16 10X	4.2178	27131.54	10.9554	15868.43	1.8597	1398.74	0.4330	51.47	297.7844	1432504.72
132	1704607-17 10X	3.1284	20525.27	12.0906	17787.20	1.4309	1089.71	0.4727	55.73	176.5440	862699.07
133	1704607-18 10X	4.2677	28207.79	19.4441	28933.27	2.6255	2014.80	0.5396	62.27	67.8878	335676.50
134	1704607-19 10X	2.0263	13911.99	4.7037	7192.01	1.1472	877.69	0.0397	19.20	17.6118	89527.13
135	LCV	2.5485	17271.49	15.7762	23878.40	0.1945	153.33	0.9019	95.33	0.5000	2593.68
136	CCV	105.9226	690936.90	210.1575	312341.34	10.1965	7594.79	9.9481	880.43	9.8089	48501.05
137	CCB	0.0106	418.90	0.3309	496.70	-0.0038	4.67	-0.1323	3.73	0.0096	126.67
138	IP170525-2MB ...	0.0255	518.91	0.6715	1010.08	-0.0053	3.67	-0.1475	2.40	0.0036	96.67
139	IM170525-2LCS...	103.1867	673678.95	212.4369	316009.35	10.1637	7563.78	9.9789	883.63	9.7177	48096.51
140	1704607-20 10X	3.6037	23446.96	8.5419	12488.67	1.6544	1236.72	0.6121	67.33	196.4383	953899.13
141	1704607-21 10X	5.4982	35449.55	16.6062	24172.13	1.7978	1361.73	0.4119	50.00	85.9859	415916.75
142	1704607-22 10X	3.7091	25179.52	11.2088	17099.76	1.8354	1387.73	0.6603	74.53	67.8041	343699.32
143	1704607-23 10X	4.8091	31187.60	10.7926	15788.28	2.2843	1697.10	0.7006	74.80	359.5253	1746738.57
144	1705291-4 10X	3.7777	24846.81	24.1113	35640.13	9.1695	6889.81	0.9270	95.33	5.1359	25310.86
145	1705291-4L 50X	0.7619	5377.62	4.4249	6658.30	1.8724	1420.74	0.6067	68.15	0.8972	4560.85
146	1705291-4D 10X	3.6244	24113.47	13.6203	20360.23	8.2923	6441.96	1.0419	106.40	4.4246	22052.77
147	1705291-4MS 10X	107.0242	689472.27	222.6150	326739.88	22.5164	17019.58	10.6919	932.96	14.4241	70392.63
148	CCV	105.0503	693238.70	206.0301	309764.49	9.7575	7391.04	10.0499	899.23	9.7202	48628.41
149	CCB	0.0128	434.46	0.3582	536.70	-0.0052	3.67	-0.1477	2.40	0.0123	140.01
150	1705291-4MSD ...	106.9864	699459.68	220.5173	328484.04	19.6976	15048.65	10.6401	942.83	15.4080	76315.35
151	1705291-4A 10X	128.1209	818480.30	274.1977	399148.11	19.8940	15195.10	12.3397	1065.50	16.2902	78831.69
152	LCV	2.4241	16915.57	15.6565	24372.50	0.2090	166.67	0.9069	98.53	0.5181	2760.36
153	CCV	106.9151	690232.61	209.7301	308515.97	10.0846	7540.43	9.9924	875.09	10.1929	49872.59
154	CCB	0.0122	434.46	0.3553	540.03	-0.0049	4.00	-0.1545	1.80	0.0152	156.67
155	IP170525-3MB ...	0.0085	411.12	0.3976	606.71	-0.0036	5.00	-0.1343	3.60	-0.0033	63.33

Analyte Table

		63 Cu [2]		66 Zn [2]		75 As [2]		78 Se [2]		88 Sr [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
156	IM170525-3LCS...	104.1138	671047.39	208.3023	305902.94	10.0700	7581.12	10.1677	888.69	9.6948	47368.16
157	ZZZ										
158	1705407-1 10X	16.2380	108636.56	66.9741	101818.29	3.4520	2704.57	0.8749	93.33	102.1517	515917.67
159	1705407-2 10X	22.3533	148995.97	267.4289	405376.61	3.3854	2595.55	0.4389	54.40	19.5162	98348.09
160	1705407-3 10X	14.2902	93056.60	85.1505	125922.43	4.2419	3270.34	0.5465	62.40	117.0525	575132.83
161	1705454-1 10X	10.3742	70053.19	23.0580	35316.01	1.5916	1265.72	0.1470	28.80	15.6226	79558.38
162	1705454-1L 50X	2.0792	14121.77	5.0015	7548.77	0.3123	246.33	-0.0738	8.93	3.0637	15448.02
163	1705454-1D 10X	12.2934	83061.16	27.2571	41801.16	1.9613	1540.75	0.2147	34.93	17.1021	87182.88
164	1705454-1MS 10X	122.7066	806241.15	371.4143	556056.69	12.2882	9613.25	10.8722	967.76	31.4245	156363.56
165	CCV	106.5828	711086.73	210.2788	319649.73	10.2171	7903.60	10.0777	911.90	9.8947	50046.00
166	CCB	0.0149	464.46	0.3764	586.70	-0.0035	5.33	-0.1326	3.87	0.0106	136.68
167	1705454-1MSD ...	121.1958	823708.20	236.1333	365702.48	12.0041	9457.77	10.6914	984.70	26.0829	134252.30
168	1705454-1A 10X	134.1278	897622.29	273.0394	416330.24	12.4800	9752.60	11.4460	1036.97	27.7069	140431.17
169	1705496-1 10X	18.6082	121641.00	38.6077	57369.02	4.1517	3180.32	0.6065	68.00	140.1452	691907.44
170	1705498-1 10X	0.0562	741.14	1.0761	1670.17	0.0013	8.67	-0.1440	2.80	0.2604	1416.81
171	LCV	2.4285	16403.93	15.8357	23878.41	0.2086	161.67	0.9280	97.33	0.5100	2633.68
172	CCV	103.4964	677127.89	203.6056	303506.89	9.8821	7361.02	9.8428	874.16	9.5474	47361.12
173	CCB	0.0066	382.23	0.3805	556.71	-0.0006	7.00	-0.1265	4.13	0.0041	96.67
174	IP170524-4RBM...	0.2536	2124.61	1.6250	2570.34	0.0088	14.67	0.3267	46.40	-0.0012	76.67
175	IP170524-4MB ...	0.1502	1440.08	1.1624	1880.22	-0.0002	8.00	0.2224	37.60	0.0190	186.68
176	IM170524-4LCS...	105.4850	743520.37	209.1435	335875.49	11.9179	9419.74	16.6054	1576.88	9.6824	51734.78
177	IM170524-4LCS...	103.3849	715230.84	212.6409	335178.25	11.4358	9123.24	16.2063	1511.01	9.5089	49869.10
178	1705104-1 10X	0.0695	866.70	17.8268	28756.29	0.0063	13.00	0.3408	48.67	0.0450	326.69
179	1705104-2 10X	0.0704	872.26	1.5509	2500.31	0.0070	13.67	0.2662	41.60	0.0321	256.68
180	1705104-3 10X	0.0306	585.58	0.5399	863.40	0.0029	10.33	0.2758	42.13	0.0238	210.01
181	LCV	2.5545	18684.18	15.9154	26004.96	0.2085	182.00	0.9273	105.33	0.5071	2837.06
182	CCV	109.0416	753568.41	212.7798	335051.88	10.0803	8212.10	10.3836	972.83	9.9216	51978.81
183	CCB	0.0253	546.68	0.3529	563.37	-0.0028	6.00	-0.1133	5.80	-0.0063	50.00
184	FP170524-4MB...	0.0504	722.25	0.4158	663.38	-0.0065	3.00	-0.1462	2.67	0.0025	96.67
185	FP170526-4MB...	0.0225	525.57	0.4199	666.72	-0.0047	4.33	-0.1576	1.60	0.0057	113.34
186	IP170526-4MB ...	0.0128	468.90	0.4366	710.05	-0.0048	4.33	-0.1216	5.07	0.0034	103.34

Analyte Table

		63 Cu [2]		66 Zn [2]		75 As [2]		78 Se [2]		88 Sr [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
187	IM170526-4LCS...	104.9827	740257.42	208.0771	334273.02	10.1296	8240.10	9.9232	948.96	9.6126	51376.85
188	1705474-1 10X	0.3488	2809.18	8.9590	14280.28	0.1381	118.00	-0.0846	8.40	60.8010	321873.25
189	1705474-2 10X	0.1150	1140.06	2.1566	3337.17	0.0730	67.00	0.0607	21.33	167.0816	858773.21
190	1705484-1 10X	0.0340	592.24	0.8050	1250.11	0.0035	11.00	-0.1263	4.40	22.3031	115146.22
191	1705520-1 10X	4.9427	33988.75	1.0726	1663.50	0.0121	17.33	-0.1455	2.67	4.1917	21678.89
192	1705520-1L 50X	0.9549	6962.69	0.4513	710.05	-0.0026	6.00	-0.1473	2.53	0.8573	4567.49
193	1705520-1D 10X	4.9037	34513.18	1.1301	1793.52	0.0162	21.00	-0.1332	3.87	4.2726	22610.34
194	CCV	107.4419	733783.27	211.4047	328963.38	9.9477	7958.30	10.2192	946.43	9.9300	51413.74
195	CCB	0.0125	462.24	0.3555	573.37	-0.0021	6.67	-0.1493	2.40	0.0023	96.67
196	1705520-1MS 10X	111.7890	748452.24	221.7655	338234.02	9.9010	7860.58	10.0660	914.03	14.1193	71628.46
197	1705520-1MSD ...	111.1720	775251.62	211.8814	336658.49	10.2702	8326.15	10.2248	966.83	14.1744	74892.53
198	1705522-1 10X	0.0971	1014.49	0.5517	850.06	0.2076	172.67	-0.0768	8.80	4.2442	21782.20
199	1705522-2 10X	0.0200	496.68	0.6404	993.41	0.0522	50.00	0.2818	41.47	50.1850	258669.59
200	1705530-1 10X	0.5065	3877.19	8.9451	14130.04	0.0627	58.33	-0.1171	5.33	9.4107	49471.00
201	1705531-1 10X	0.3279	2652.48	0.5834	926.74	0.0202	24.33	-0.1474	2.53	4.3816	23214.44
202	LCV	2.4777	17597.38	16.4774	26135.24	0.1955	163.67	0.9074	100.27	0.4446	2430.30
203	CCV	106.7932	729686.60	211.4279	329132.57	10.1892	8058.01	10.2414	948.83	9.9664	51614.32
204	CCB	0.0136	468.90	0.6539	1050.09	-0.0037	5.33	-0.1550	1.87	0.0055	113.34
205	IP170526-2MB ...	0.0054	413.35	0.4807	776.73	0.0028	10.33	-0.1269	4.53	0.0028	100.00
206	IM170526-2LCS...	101.2890	704876.53	201.5385	319529.74	9.9486	7807.89	10.0303	946.83	9.3333	49226.99
207	1705097-2 10X	24.6171	170939.34	50.1364	79185.83	2.6175	2193.82	0.8068	90.67	61.4682	322568.15
208	1705097-2L 50X	5.1650	35920.59	10.2637	16105.24	0.5764	470.01	0.0270	18.53	12.5876	65698.81
209	1705097-2D 10X	29.2487	201107.18	47.0421	73590.17	2.6095	2162.82	0.8010	89.33	82.6738	429719.61
210	1705097-2MS 10X	135.4463	911365.90	268.7049	412008.45	12.8655	10566.78	10.8330	987.90	93.6403	477094.64
211	1705097-2MSD ...	130.4696	901825.62	253.7387	399620.58	12.6583	10244.25	10.2066	956.56	92.1081	481955.71
212	1705097-2A 10X	145.6904	1009378.82	303.6225	479374.67	13.1643	10888.66	12.1349	1137.37	74.0984	388667.56
213	1705223-2 10X	21.3193	150053.10	310.3454	496710.03	3.1586	2659.23	0.9489	105.20	41.6254	221383.48
214	1705324-2 10X	19.4442	136169.21	70.2556	111852.53	3.8713	3274.01	0.7792	88.93	38.8432	205475.79
215	CCV	107.5300	763274.19	211.1559	341508.81	10.0678	8313.48	10.0253	965.23	9.9022	53276.65
216	CCB	0.0168	502.24	0.6037	993.41	-0.0050	4.33	-0.1487	2.53	0.0044	110.01
217	1705362-2 10X	19.9191	140793.17	53.1693	85443.98	1.4338	1208.05	0.7610	88.00	54.4566	290778.93

Analyte Table

		63 Cu [2]		66 Zn [2]		75 As [2]		78 Se [2]		88 Sr [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
218	1705489-2 10X	37.7518	263330.02	60.8541	96628.86	4.6993	3976.51	0.9790	107.20	45.3680	239375.97
219	1705489-4 10X	20.3679	142836.19	61.8510	98637.80	2.0301	1729.76	0.8712	97.60	38.2252	202592.46
220	1705514-1 10X	33.9804	239703.54	192.7895	309526.91	11.4411	9807.64	1.1727	126.53	88.5654	472365.24
221	1705514-2 10X	20.2173	141138.45	118.7546	188495.95	9.4328	7892.93	1.3235	139.20	63.1274	332921.10
222	1705514-3 10X	17.9567	126472.92	80.9598	129616.03	8.6831	7275.98	1.4776	154.80	49.9344	265630.59
223	LCV	2.5417	18402.76	16.5666	26786.37	0.2322	202.00	0.9697	108.27	0.5007	2773.71
224	CCV	107.6497	748855.32	211.7606	335620.38	10.1425	8261.79	10.1346	956.16	9.9175	52303.39
225	CCB	0.0183	505.57	0.6401	1033.41	-0.0048	4.33	0.0551	21.60	0.0010	90.00
226	IP170526-1MB ...	0.0249	557.80	0.8166	1333.44	-0.0012	7.33	-0.1384	3.47	0.0032	103.34
227	IM170526-1LCS...	106.6147	763035.28	208.5825	340132.64	9.9900	8422.19	10.3680	1005.90	9.9353	53905.41
228	1704512-3 10X	0.2374	2001.27	1.1316	1780.19	0.0976	89.33	0.6484	75.87	99.8227	522982.73
229	1705410-1 10X	0.0974	1047.83	2.2107	3513.88	0.1941	164.33	-0.0299	13.47	27.4937	145227.94
230	1705410-1L 50X	0.0346	613.35	0.4840	773.39	0.0369	38.33	-0.1078	6.27	5.4039	28767.05
231	1705410-1D 10X	0.0699	835.59	0.5125	793.39	0.2343	193.67	-0.0160	14.40	27.3798	141056.19
232	1705410-1MS 10X	105.2649	719256.79	211.1263	328660.41	10.5316	8366.50	10.4630	969.36	37.4681	193845.11
233	1705410-1MSD ...	104.0377	711722.02	208.8229	325528.95	10.4048	8292.13	10.1201	939.23	36.6487	189838.53
234	1705410-3 10X	0.2910	2362.43	1.9678	3077.12	0.1756	147.00	0.0378	19.47	23.2000	120561.31
235	LCV	2.5522	18242.61	16.1213	25734.70	0.2111	177.67	0.9929	109.07	0.4954	2710.36
236	CCV	107.2347	736565.09	212.5204	332620.22	10.2287	8059.01	10.4187	970.30	9.7494	50761.54
237	CCB	0.0138	470.02	0.6159	990.08	-0.0023	6.33	-0.1592	1.47	0.0060	116.67

Analyte Table

		89 Y [2]		98 Mo [2]		109 Ag [2]		111 Cd [2]		118 Sn [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	blank	0.0000	3.33	0.0027	27.78	-0.0004	7.78	-0.0338	4.00	-0.0076	2943.76
2	blank	0.0000	3.33	0.0018	24.44	0.0005	16.67	-0.0346	2.67	-0.0071	3200.48
3	blank	-0.0003	0.00	-0.0006	7.78	0.0004	15.56	-0.0339	4.00	-0.0065	3153.80
4	blank	0.0000	3.33	0.0000	12.22	0.0000	12.22	0.0000	77.38	0.0000	3277.17
5	H/1000										
6	H/100	0.3262	3733.94	1.0043	6972.74	0.1092	1133.39	0.3034	725.33	5.0097	132224.66
7	H/10	2.9631	33890.46	9.7514	66206.64	1.0199	10263.45	3.0144	6382.12	47.7789	1214734.62
8	HIGH	30.0034	343137.66	100.0248	668594.65	9.9979	99006.86	29.9985	61872.88	500.2220	11729471.91
9	ICV	5.5750	63761.87	19.8432	130139.99	2.1400	20793.82	6.2263	12658.27	100.1861	2458466.48
10	ICB	0.0006	10.00	0.0013	20.00	0.0006	17.78	-0.0335	4.67	0.0174	3607.25
11	LIV	0.0635	730.06	0.2058	1372.30	0.0550	550.02	0.1787	437.21	1.0030	27738.86
12	ICSA	0.0012	16.67	218.7836	1432443.28	0.0061	71.11	-0.0516	-31.81	-0.0054	3183.81
13	ICSAB	2.9777	34057.55	227.1599	1492302.02	1.0306	10035.53	3.0050	6156.23	49.0105	1220454.31
14	CCV	3.0428	34802.21	9.7681	67985.03	1.0314	10643.72	2.9981	6507.33	46.4996	1215493.24
15	CCB	0.0006	10.00	0.0065	58.89	0.0002	14.45	-0.0334	5.33	0.0262	4047.43
16	IP170523-1MB ...	-0.0003	0.00	0.0128	102.23	0.0007	20.00	-0.0337	4.66	0.0441	4517.52
17	IM170523-1LCS...	6.0558	69260.60	19.0323	132465.43	2.0236	20868.32	5.8949	12722.08	96.5146	2433186.42
18	1705095-1 1000X	0.0035	43.33	0.0086	71.11	0.0002	14.45	-0.0317	8.66	0.0388	4177.41
19	1705158-1 10X	0.0023	30.00	0.0078	64.45	0.0036	47.78	-0.0307	10.66	0.0597	4761.00
20	1705158-1L 50X	0.0006	10.00	0.0041	41.11	0.0001	13.34	-0.0312	10.00	0.0253	3927.38
21	1705158-1D 10X	0.0023	30.00	0.0052	46.67	-0.0005	6.67	-0.0330	6.00	0.0308	3987.36
22	1705158-1MS 10X	5.8799	67248.59	19.6579	131212.76	2.0152	19928.25	5.9617	12337.23	98.5032	2403802.51
23	1705158-1MSD ...	6.0912	69665.41	19.8680	133688.86	2.0481	20416.70	5.8831	12272.27	102.9341	2474634.65
24	1705177-1 1000X	0.0055	66.67	0.0054	50.00	0.0004	16.67	-0.0302	11.99	0.0432	4440.82
25	1705177-2 1000X	0.0015	20.00	0.0040	40.00	0.0005	17.78	-0.0343	3.33	0.0311	4147.44
26	CCV	3.0267	34618.54	9.7519	68202.63	1.0199	10573.68	2.9648	6466.62	47.6014	1207816.70
27	CCB	0.0009	13.33	0.0018	25.56	0.0005	17.78	-0.0341	4.00	0.0279	4067.39
28	1705177-3 1000X	0.0006	10.00	0.0019	25.55	0.0004	16.67	-0.0327	6.67	0.0212	3850.65
29	1705202-1 100X	0.0222	256.68	0.6420	4307.32	0.0016	27.78	-0.0183	36.24	0.1435	6688.40
30	1705203-1 10X	0.0041	50.00	0.0403	262.23	0.0002	13.33	-0.0116	46.64	0.0444	3910.70
31	1705212-1 10X	0.0428	493.36	0.0217	162.22	0.0037	50.00	-0.0215	30.65	0.0807	5337.87

Analyte Table

		89 Y [2]		98 Mo [2]		109 Ag [2]		111 Cd [2]		118 Sn [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	1705212-2 10X	0.0484	556.71	0.0197	148.89	0.0021	34.44	-0.0262	20.65	0.0916	5501.19
33	1705212-3 10X	0.0265	306.68	0.0106	85.56	0.0029	42.22	-0.0264	19.99	0.0649	4827.64
34	1705240-1 10X	0.0090	106.67	0.1427	1014.49	-0.0003	8.89	-0.0319	8.57	0.0450	4450.86
35	1705242-1 10X	0.0108	126.67	0.2290	1553.43	0.0001	13.33	-0.0314	9.18	0.0727	5074.36
36	1705243-1 10X	0.0061	73.34	0.1153	796.70	0.0005	16.67	-0.0321	7.92	0.1164	5938.06
37	1705369-1 10X	0.0000	3.33	0.3228	2114.62	-0.0002	10.00	-0.0323	7.13	0.0409	4037.40
38	CCV	3.0802	35229.80	9.6571	67757.59	1.0346	10761.59	3.0008	6566.05	47.0300	1206509.23
39	CCB	0.0009	13.33	0.0025	30.00	-0.0009	3.33	-0.0334	5.33	0.0157	3813.98
40	1705369-3 10X	0.0032	40.00	0.0985	698.92	0.0008	21.11	-0.0241	25.26	0.0851	5524.55
41	1705376-1 10X	0.0085	100.00	0.0195	136.70	0.0005	16.66	-0.0328	5.99	0.0549	4327.48
42	1705376-3 10X	0.0085	100.02	0.0036	34.44	0.0002	13.33	-0.0342	3.33	0.1088	5411.16
43	1705376-5 10X	0.0058	70.00	0.0224	156.67	0.0011	22.22	-0.0325	6.65	0.0432	4024.27
44	1705376-7 10X	0.0017	23.33	0.0289	198.89	0.0001	12.22	-0.0335	4.65	0.0320	3757.30
45	1705380-1 1000X	0.0012	16.67	0.0022	27.78	0.0000	12.22	-0.0266	20.00	0.0180	3757.31
46	CCV	2.9908	34207.87	9.7844	68455.81	1.0492	10875.00	3.0302	6611.33	47.0861	1217716.10
47	CCB	0.0000	3.33	0.0004	15.55	0.0004	16.67	-0.0347	2.67	0.0157	3890.64
48	IP170523-3MB ...	0.0000	3.33	-0.0001	12.22	-0.0001	12.22	-0.0338	4.67	0.0212	3937.35
49	IM170523-3LCS...	3.0636	35039.87	9.5832	67892.40	1.0519	11046.22	2.9621	6545.35	46.4083	1178151.23
50	1705389-1 10X	-0.0003	0.00	0.0313	236.67	0.0012	25.55	-0.0344	3.31	0.0413	4457.49
51	1705349-2 10X	-0.0003	0.00	0.0091	76.67	0.0013	26.67	-0.0349	1.99	0.8212	24496.87
52	LCV	0.0603	693.38	0.2016	1320.07	0.0531	522.24	0.1881	447.88	1.0335	27729.08
53	CCV	2.9850	34140.79	9.6874	66540.03	1.0203	10384.64	2.9484	6316.73	47.4504	1187935.27
54	CCB	0.0009	13.33	0.0010	18.89	0.0006	17.78	-0.0352	1.33	0.0275	3984.02
55	1705460-1 100X	-0.0003	0.00	0.0177	130.00	0.0007	18.89	-0.0317	8.66	0.0310	4024.06
56	1705460-2 100X	0.0003	6.67	0.0165	130.00	0.0000	12.22	-0.0328	6.65	0.0172	3753.95
57	1705461-1 100X	0.0000	3.33	0.0077	66.67	0.0004	16.67	-0.0316	9.32	0.0137	3753.94
58	1705461-2 100X	-0.0003	0.00	0.0102	82.22	-0.0002	10.00	-0.0337	4.66	0.0149	3627.27
59	1705462-1 100X	0.0020	26.67	0.0003	14.45	-0.0003	8.89	-0.0334	5.33	0.0146	3713.93
60	1705462-2 100X	0.0003	6.67	0.0014	22.22	-0.0007	5.56	-0.0331	6.00	0.0020	3453.88
61	1705462-3 100X	0.0009	13.33	0.0004	15.55	-0.0003	8.89	-0.0346	2.67	0.0116	3620.59
62	1705462-4 100X	0.0003	6.67	0.0015	23.33	-0.0005	7.78	-0.0353	1.33	0.0054	3473.89

Analyte Table

		89 Y [2]		98 Mo [2]		109 Ag [2]		111 Cd [2]		118 Sn [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
63	1705462-5 100X	0.0003	6.67	0.0008	17.78	-0.0006	6.66	-0.0334	5.33	0.0082	3540.58
64	1705462-6 100X	0.0000	3.33	0.0006	16.66	0.0007	20.00	-0.0343	3.33	0.0071	3507.23
65	CCV	3.0551	34942.65	9.6326	67776.40	1.0421	10861.62	2.9404	6455.33	46.9424	1197005.27
66	CCB	0.0003	6.67	0.0022	27.78	-0.0002	11.11	-0.0337	4.67	0.0164	3783.99
67	1705462-7 100X	0.0003	6.67	0.0034	36.67	0.0007	20.00	-0.0340	4.00	0.0110	3520.55
68	1705462-8 100X	0.0003	6.67	0.0076	66.67	-0.0004	8.89	-0.0353	1.33	0.0075	3470.54
69	1705462-9 100X	0.0006	10.00	0.0015	23.33	-0.0006	6.67	-0.0250	23.33	-0.0062	3227.14
70	1705462-10 100X	0.0023	30.00	0.0062	56.67	-0.0005	7.78	-0.0328	6.66	-0.0013	3330.51
71	ZZZ										
72	CCV	3.0294	34648.58	9.5261	66944.23	1.0288	10720.44	3.0337	6648.16	46.2422	1189093.34
73	CCB	0.0003	6.67	0.0001	13.33	-0.0003	8.89	-0.0343	3.33	0.0090	3693.98
74	IP170524-6MB ...	-0.0003	0.00	0.0014	22.22	0.0007	20.00	-0.0349	2.00	0.2739	10407.26
75	IM170524-6LCS...	3.0609	35009.57	9.6960	67606.88	1.0505	10858.33	3.0592	6650.09	48.3727	1208969.30
76	1705277-22 10X	4.5558	52106.21	0.0941	687.81	0.0033	47.78	-0.0284	16.60	0.6730	20761.48
77	1705277-22L 50X	0.9470	10834.27	0.0235	181.12	-0.0002	11.11	-0.0332	5.98	0.1758	8005.80
78	1705277-22D 10X	3.9989	45736.33	0.1681	1194.51	0.0029	42.22	-0.0199	34.55	0.6594	20597.99
79	1705277-22MS ...	7.7444	88572.15	9.2694	64566.58	1.0293	10630.35	3.0518	6629.06	49.8185	1256439.41
80	1705277-22MSD...	11.2811	129019.87	8.9413	62775.12	1.0745	11181.87	3.1221	6831.97	51.9306	1279738.60
81	1705277-22A 10X	8.2028	93814.69	10.7762	75692.76	1.1816	12301.62	3.4608	7569.04	57.7003	1437444.09
82	1705277-23 10X	11.0574	126460.83	0.2554	1801.24	0.0149	166.67	0.1150	325.83	0.7469	22290.19
83	1705277-24 10X	7.4416	85109.75	0.1042	747.81	0.0039	53.33	0.0036	85.92	0.8168	24446.73
84	CCV	3.0410	34782.30	9.6101	67371.51	1.0166	10563.67	2.9864	6526.74	47.1176	1200690.77
85	CCB	0.0020	26.67	0.0009	18.89	0.0009	22.22	-0.0332	6.00	0.0069	3583.93
86	1705277-25 10X	13.7333	157063.90	0.3448	2409.11	0.0246	265.56	0.1382	372.44	0.9995	28316.69
87	1705277-26 10X	8.7198	99727.21	0.1275	900.04	0.0087	102.23	0.0290	139.24	1.4878	41123.91
88	1705277-27 10X	10.8297	123857.00	0.2848	2019.05	0.0130	148.89	0.0580	203.80	0.9602	27472.23
89	1705277-28 10X	6.2696	71705.58	0.2413	1701.23	0.0034	47.78	-0.0192	35.83	1.0724	30861.76
90	1705277-29 10X	9.2387	105661.41	0.1055	753.36	0.0102	118.89	0.0165	113.26	0.7396	22196.90
91	1705277-30 10X	5.5129	63052.00	0.1303	931.16	0.0032	45.55	-0.0246	24.57	0.5249	16726.42
92	1705277-31 10X	15.4627	176843.06	0.3794	2662.49	0.0246	266.67	0.1367	371.08	0.9817	27882.66
93	1705277-32 10X	10.5705	120893.18	0.1993	1458.98	0.0041	56.67	-0.0249	24.52	0.5302	17013.26

Analyte Table

		89 Y [2]		98 Mo [2]		109 Ag [2]		111 Cd [2]		118 Sn [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
94	1705277-33 10X	17.2608	197406.65	0.0600	438.90	0.0319	347.79	0.1434	392.64	1.0712	30297.02
95	1705277-34 10X	7.5528	86380.59	0.1683	1208.95	0.0083	100.00	-0.0174	40.55	0.8011	23932.54
96	CCV	3.1056	35520.78	9.7487	68699.38	1.0308	10766.02	3.0152	6623.30	47.0084	1211182.20
97	CCB	0.0000	3.33	0.0025	31.11	0.0004	16.66	-0.0344	3.33	0.0262	4097.40
98	1705277-35 10X	8.0067	91571.77	0.1444	1036.72	0.0065	81.11	0.0138	108.56	0.6653	20704.63
99	1705277-36 10X	8.6444	98864.98	0.1469	1056.72	0.0068	84.44	-0.0240	25.89	0.5923	18615.30
100	1705277-37 10X	3.2555	37234.44	0.0986	705.58	0.0020	33.33	-0.0301	12.60	0.7677	22530.54
101	1705277-38 10X	6.7621	77338.29	0.1070	761.14	0.0091	106.67	0.0027	83.26	0.7471	22116.53
102	LCV	0.0647	743.39	0.2010	1445.65	0.0484	523.35	0.1749	463.20	1.0190	29709.49
103	CCV	3.0729	35146.54	9.6971	67215.13	1.0361	10645.95	3.0230	6534.76	47.0067	1182576.08
104	CCB	0.0012	16.67	0.0020	26.67	-0.0006	6.67	-0.0350	2.00	0.0279	4064.08
105	IP170525-1MB ...	0.0032	40.00	0.0025	30.00	0.0019	32.22	-0.0343	3.33	0.0855	5481.21
106	IM170525-1LCS...	3.1351	35858.03	9.5117	67128.15	1.0312	10788.26	3.0327	6674.17	48.7545	1210260.27
107	1704607-1 10X	4.3388	49624.52	0.1906	1341.19	0.0151	167.78	0.0037	85.20	0.3817	13176.24
108	1704607-1L 50X	0.8779	10043.56	0.0459	328.90	0.0016	28.89	0.0008	78.01	0.1171	6368.25
109	1704607-1D 10X	3.9995	45743.38	0.1990	1391.19	0.0308	327.79	-0.0019	72.53	0.3772	12685.72
110	1704607-1MS 10X	7.3831	84440.14	8.4261	57285.76	1.0437	10518.09	3.0498	6465.04	46.9040	1142901.49
111	1704607-1MSD ...	7.1844	82167.95	8.5117	58409.98	1.0236	10414.67	3.0338	6490.93	46.5324	1151078.89
112	1704607-1A 10X	7.8174	89406.82	10.8175	75233.02	1.2243	12621.85	3.4857	7547.75	58.2015	1418420.86
113	1704607-2 10X	2.6730	30573.56	0.1546	1093.39	0.0052	66.67	-0.0099	55.89	0.3513	12375.51
114	1704607-3 10X	5.1774	59214.20	1.1198	7628.58	0.0321	335.56	0.0226	122.58	0.5044	15655.31
115	CCV	3.0434	34809.04	9.8610	68267.46	1.0188	10453.58	3.0133	6507.96	46.8196	1194367.30
116	CCB	0.0015	20.00	0.0033	35.56	0.0003	15.55	-0.0352	1.33	0.0121	3677.27
117	1704607-4 10X	2.2616	25868.54	0.3687	2529.13	0.0100	113.34	-0.0154	43.08	0.3936	13242.91
118	1704607-5 10X	6.5954	75431.71	0.0513	352.23	0.0119	128.89	0.0143	102.63	0.4644	14320.55
119	1704607-6 10X	1.8798	21501.96	0.2016	1374.53	0.0052	64.45	-0.0161	41.20	0.3112	10987.68
120	1704607-7 10X	1.3242	15147.91	0.0715	507.80	0.0018	31.11	-0.0303	11.95	0.2931	10374.00
121	1704607-8 10X	3.1258	35751.11	0.2084	1434.53	0.0087	100.00	-0.0036	67.86	0.0592	4714.27
122	1704607-9 10X	1.9712	22546.75	0.0590	424.46	0.0036	50.00	-0.0186	37.29	0.0246	3940.70
123	1704607-10 10X	4.0168	45940.91	0.1159	807.81	0.0254	271.12	0.0100	97.25	0.3738	12532.26
124	1704607-11 10X	2.6249	30022.79	0.1850	1292.29	0.0056	70.00	-0.0171	39.87	0.3128	11074.37

Analyte Table

		89 Y [2]		98 Mo [2]		109 Ag [2]		111 Cd [2]		118 Sn [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
125	1704607-12 10X	4.8044	54949.06	0.0391	272.23	0.0139	148.89	-0.0037	65.97	0.3207	10894.34
126	1704607-13 10X	6.6411	75954.22	0.0819	558.91	0.0183	193.34	0.0163	107.28	0.3794	12168.73
127	CCV	3.0583	34979.20	9.6344	66802.48	1.0364	10652.61	3.0181	6526.12	45.9725	1185291.21
128	CCB	0.0006	10.00	0.0022	27.78	-0.0001	11.11	-0.0337	4.67	0.0089	3707.29
129	1704607-14 10X	3.9986	45733.34	0.0577	395.57	0.0075	85.56	0.0051	83.96	0.3487	11848.30
130	1704607-15 10X	1.9157	21912.51	0.0572	394.46	0.0088	98.89	-0.0119	49.30	0.2804	10160.36
131	1704607-16 10X	7.3034	83528.18	0.0538	364.46	0.0089	97.78	0.0252	123.30	0.3763	12018.46
132	1704607-17 10X	3.3276	38059.77	0.0695	474.46	0.0103	113.34	0.0084	90.62	0.3841	12548.84
133	1704607-18 10X	4.1935	47962.82	0.3808	2576.91	0.0121	132.23	0.0003	75.08	0.3443	11664.77
134	1704607-19 10X	1.7109	19569.53	0.1927	1345.64	0.0032	45.56	-0.0237	25.87	0.1497	6988.55
135	LCV	0.0583	670.05	0.2106	1454.53	0.0542	562.24	0.1548	402.53	0.9730	28456.88
136	CCV	2.9055	33232.37	9.7532	65626.37	1.0484	10453.61	3.0191	6332.16	46.8913	1166634.39
137	CCB	0.0003	6.67	0.0010	18.89	-0.0003	8.89	-0.0343	3.33	0.0175	3800.65
138	IP170525-2MB ...	0.0009	13.33	0.0026	30.00	-0.0004	7.78	-0.0315	9.33	0.0756	5234.43
139	IM170525-2LCS...	2.8684	32808.21	9.4663	63742.37	1.0165	10146.72	2.9062	6105.59	47.4508	1152195.48
140	1704607-20 10X	7.0470	80596.77	0.1517	1015.60	0.0176	184.45	0.0189	111.90	0.3762	12242.02
141	1704607-21 10X	5.8378	66766.81	0.1391	928.93	0.0169	176.67	0.0691	213.24	0.4405	14130.29
142	1704607-22 10X	3.9948	45689.56	0.2614	1816.80	0.0148	163.34	-0.0112	52.49	0.3859	12909.29
143	1704607-23 10X	8.9227	102047.56	0.1188	798.92	0.0140	148.89	0.0506	176.59	0.4521	13900.06
144	1705291-4 10X	2.2867	26155.50	4.7937	32089.04	0.0061	72.22	0.0073	88.82	0.4243	13603.22
145	1705291-4L 50X	0.4592	5254.43	0.9488	6474.74	0.0013	25.56	-0.0238	25.36	0.1305	6521.68
146	1705291-4D 10X	2.0310	23231.11	4.5964	31107.14	0.0072	84.45	0.0384	154.92	0.4405	14137.01
147	1705291-4MS 10X	5.1878	59334.13	14.4001	95669.80	1.0155	10001.08	2.9374	6087.76	46.7387	1133384.54
148	CCV	2.8518	32617.74	9.7188	66132.10	1.0083	10167.84	3.0557	6483.50	46.2558	1166138.99
149	CCB	0.0006	10.00	0.0030	32.22	0.0007	18.89	-0.0274	18.00	0.0147	3737.30
150	1705291-4MSD ...	5.0056	57250.46	12.4546	83989.42	1.0334	10329.05	3.0322	6374.36	46.8263	1153230.37
151	1705291-4A 10X	5.7251	65477.94	15.6441	103058.77	1.2520	12225.95	3.6799	7545.00	57.1827	1390339.77
152	LCV	0.0571	656.72	0.1896	1348.97	0.0512	546.69	0.1779	464.54	1.0138	29368.42
153	CCV	2.8845	32991.98	9.7037	64615.82	1.0524	10386.87	3.0368	6305.58	46.3967	1160984.59
154	CCB	0.0015	20.00	0.0015	22.22	0.0001	13.34	-0.0343	3.33	0.0160	3737.32
155	IP170525-3MB ...	0.0006	10.00	0.0027	31.11	-0.0003	8.89	-0.0331	6.00	0.2443	9406.61

Analyte Table

		89 Y [2]		98 Mo [2]		109 Ag [2]		111 Cd [2]		118 Sn [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
156	IM170525-3LCS...	2.9044	33219.11	9.5011	63150.99	1.0200	10053.32	2.9917	6200.35	47.8091	1163332.87
157	ZZZ										
158	1705407-1 10X	8.1037	92681.48	0.5606	3868.33	0.1310	1347.85	0.2454	596.30	40.1069	1015786.78
159	1705407-2 10X	4.3038	49223.57	0.8598	5911.17	0.0363	381.12	0.3879	896.11	6.8055	170832.40
160	1705407-3 10X	5.9104	67597.15	0.7134	4787.45	0.0770	775.59	0.5017	1108.91	1.7494	45423.71
161	1705454-1 10X	2.8836	32981.64	2.3283	16149.42	0.0265	284.45	0.0023	81.73	0.8136	23368.37
162	1705454-1L 50X	0.5586	6391.61	0.4861	3333.73	0.0070	83.34	-0.0303	11.67	0.2134	8469.32
163	1705454-1D 10X	3.8279	43781.36	1.9865	13805.04	0.0333	354.45	0.0033	83.97	1.1453	31542.98
164	1705454-1MS 10X	6.9539	79531.65	11.3801	77125.13	1.1097	11148.52	3.2260	6813.22	50.5980	1241711.26
165	CCV	3.0086	34411.62	9.7150	66848.23	1.0280	10485.82	2.9924	6421.40	46.5579	1159358.19
166	CCB	0.0000	3.33	0.0044	43.33	0.0012	25.56	-0.0328	6.67	0.0096	3670.62
167	1705454-1MSD ...	6.4958	74292.86	11.5517	80976.48	1.0490	10900.54	3.0627	6694.12	50.4275	1263815.14
168	1705454-1A 10X	6.5105	74460.46	13.2489	91452.05	1.2290	12577.32	3.5555	7638.18	60.2554	1476278.94
169	1705496-1 10X	8.0030	91529.14	1.0902	7342.91	0.0132	143.34	0.1157	313.95	0.9636	26753.86
170	1705498-1 10X	0.0166	193.34	0.0088	74.45	0.0001	13.33	-0.0343	3.32	0.4894	15678.49
171	LCV	0.0589	676.72	0.2014	1386.74	0.0490	506.68	0.1637	419.21	0.9953	27812.27
172	CCV	2.8308	32377.32	9.3645	63192.39	0.9873	9875.41	2.9504	6208.34	45.1201	1125543.37
173	CCB	0.0009	13.33	0.0038	36.67	-0.0009	3.33	-0.0336	4.67	0.0133	3530.56
174	IP170524-4RBM...	-0.0003	0.00	0.0136	110.00	0.0002	14.44	-0.0286	15.99	2.1389	60019.94
175	IP170524-4MB ...	0.0003	6.67	0.0069	63.33	0.0000	13.33	-0.0311	10.66	1.6058	47673.89
176	IM170524-4LCS...	3.0764	35186.68	9.2778	67453.76	0.9775	10533.63	2.9183	6617.43	45.9717	1242805.94
177	IM170524-4LCS...	3.0145	34478.50	9.1928	65596.31	0.9785	10347.97	2.8612	6369.51	44.9572	1195443.55
178	1705104-1 10X	0.0006	10.00	0.0072	65.55	-0.0001	12.22	-0.0341	3.99	2.3217	65170.30
179	1705104-2 10X	0.0050	60.00	0.0243	190.00	0.0018	32.22	-0.0302	12.65	2.2123	63199.05
180	1705104-3 10X	0.0017	23.33	0.0181	143.34	0.0003	15.56	-0.0311	10.66	2.2435	64330.24
181	LCV	0.0714	820.06	0.2076	1547.88	0.0525	587.81	0.1649	457.86	1.0052	29846.05
182	CCV	3.1380	35891.58	9.9019	70577.46	1.0491	11084.07	3.0627	6805.21	46.4655	1227981.73
183	CCB	0.0009	13.33	0.0022	28.89	0.0000	13.33	-0.0338	4.67	0.0253	4177.42
184	FP170524-4MB...	0.0012	16.67	0.0025	31.11	0.0000	13.33	-0.0344	3.33	0.0769	5394.58
185	FP170526-4MB...	0.0000	3.33	0.0021	27.78	-0.0001	12.22	-0.0319	8.67	0.0184	3967.33
186	IP170526-4MB ...	0.0006	10.00	0.0015	24.44	0.0000	13.33	-0.0341	4.00	0.0301	4200.86

Analyte Table

		89 Y [2]		98 Mo [2]		109 Ag [2]		111 Cd [2]		118 Sn [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
187	IM170526-4LCS...	3.1085	35554.02	9.5710	69603.36	1.0253	11051.78	2.9797	6755.94	45.7776	1195667.72
188	1705474-1 10X	0.1210	1386.80	0.1508	1100.06	0.0009	22.22	-0.0251	23.89	0.0269	4104.12
189	1705474-2 10X	0.0079	93.34	0.3182	2240.19	0.0004	16.67	-0.0316	9.11	0.0170	3803.95
190	1705484-1 10X	0.0012	16.67	0.1293	921.16	0.0012	25.56	-0.0350	1.91	0.0209	3904.04
191	1705520-1 10X	0.0041	50.00	0.0341	252.23	0.0002	14.44	-0.0325	7.31	0.0495	4614.24
192	1705520-1L 50X	0.0012	16.67	0.0074	65.56	0.0012	25.56	-0.0322	7.99	0.0250	4060.70
193	1705520-1D 10X	0.0029	36.67	0.0320	242.23	0.0006	18.89	-0.0326	7.31	0.0380	4444.20
194	CCV	3.0372	34738.65	9.6894	68254.17	1.0402	10861.64	3.0566	6712.71	45.7318	1189763.99
195	CCB	0.0009	13.33	0.0011	21.11	0.0003	16.67	-0.0341	4.00	0.0265	4170.79
196	1705520-1MS 10X	3.1383	35894.66	9.7654	67428.22	1.0358	10602.58	3.0570	6582.07	45.3733	1163163.42
197	1705520-1MSD ...	3.1798	36369.09	9.6866	69673.57	1.0371	11055.13	3.0221	6777.95	47.1926	1237800.35
198	1705522-1 10X	0.0131	153.34	1.4776	10314.59	0.0008	21.11	-0.0329	6.31	0.0585	4917.69
199	1705522-2 10X	0.0044	53.33	0.5860	4126.15	0.0004	16.66	-0.0336	4.93	0.0900	5624.60
200	1705530-1 10X	0.1766	2023.56	0.8607	6166.82	0.0012	25.56	0.0848	266.06	0.0530	4747.62
201	1705531-1 10X	0.0035	43.33	0.0459	342.23	-0.0003	10.00	-0.0329	6.63	0.0178	3884.03
202	LCV	0.0533	613.38	0.1927	1395.64	0.0477	521.13	0.1616	437.21	1.0044	29652.55
203	CCV	3.0270	34622.10	9.6502	68018.70	1.0208	10661.51	2.9950	6581.35	46.0377	1192772.15
204	CCB	0.0222	257.24	0.0015	23.33	-0.0006	6.67	-0.0323	8.00	0.0133	3834.01
205	IP170526-2MB ...	0.0012	16.67	0.0028	33.33	0.0004	17.78	-0.0335	5.33	0.3718	13342.89
206	IM170526-2LCS...	2.9531	33776.88	9.1997	66035.87	0.9837	10466.94	2.9446	6592.90	46.3395	1198649.33
207	1705097-2 10X	10.1995	116649.93	0.2057	1483.43	0.0137	157.78	-0.0253	23.19	0.9842	28981.26
208	1705097-2L 50X	2.0500	23448.05	0.0430	317.79	0.0048	63.33	-0.0307	11.30	0.2305	9416.61
209	1705097-2D 10X	10.0063	114440.57	0.2257	1611.22	0.0133	152.23	-0.0253	23.17	0.9710	28303.35
210	1705097-2MS 10X	13.7708	157493.43	9.3958	65223.73	1.0585	10888.34	3.0601	6620.98	48.8516	1246904.82
211	1705097-2MSD ...	13.8801	158743.08	9.0018	64178.53	1.0234	10816.06	2.8936	6436.33	48.2169	1240710.11
212	1705097-2A 10X	14.0990	161246.21	10.8837	77781.64	1.1942	12647.43	3.4277	7625.53	57.7072	1483146.49
213	1705223-2 10X	11.8495	135520.41	0.2869	2091.29	0.0189	215.56	-0.0216	31.79	1.0884	31606.49
214	1705324-2 10X	10.2187	116869.14	0.2427	1761.23	0.0183	207.78	-0.0309	11.16	1.0855	31636.15
215	CCV	3.2049	36656.74	9.5622	70006.11	1.0129	10993.98	2.9529	6742.56	47.3782	1232894.70
216	CCB	0.0003	6.67	0.0043	45.55	0.0003	16.67	-0.0341	4.00	0.0252	4167.44
217	1705362-2 10X	9.2179	105423.60	0.5541	4042.80	0.0172	197.78	-0.0265	20.93	0.9774	28934.37

Analyte Table

		89 Y [2]		98 Mo [2]		109 Ag [2]		111 Cd [2]		118 Sn [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
218	1705489-2 10X	13.2837	151922.54	0.1811	1314.52	0.0228	255.56	-0.0257	22.54	1.0849	31135.65
219	1705489-4 10X	10.5233	120353.17	0.6718	4859.69	0.0180	205.56	-0.0262	21.52	1.1246	31706.81
220	1705514-1 10X	8.0340	91883.82	1.1227	8168.86	0.1680	1822.35	0.8540	1992.67	229.1347	5904021.79
221	1705514-2 10X	8.7532	100109.59	0.6072	4375.10	0.1841	1971.27	0.2730	684.26	6.8937	180025.76
222	1705514-3 10X	8.8061	100714.09	0.6545	4755.22	0.1001	1086.73	0.2024	532.21	1.2130	35184.22
223	LCV	0.0577	663.38	0.2099	1548.99	0.0533	591.13	0.1698	463.86	1.0248	30584.41
224	CCV	3.1263	35757.65	9.6446	69194.79	1.0210	10860.56	3.0032	6719.96	46.0643	1220088.55
225	CCB	0.0009	13.33	0.0017	25.55	-0.0004	8.89	-0.0353	1.33	0.0304	4277.44
226	IP170526-1MB ...	0.0003	6.67	0.0053	52.22	0.0004	17.78	-0.0335	5.33	0.0411	4567.55
227	IM170526-1LCS...	3.2435	37097.61	9.5030	70149.03	1.0208	11172.99	2.9106	6701.19	45.8790	1213109.80
228	1704512-3 10X	0.0143	166.68	0.2342	1682.34	0.0017	30.00	-0.0292	14.50	0.8838	26084.69
229	1705410-1 10X	0.0032	40.00	0.1805	1311.19	0.0029	43.33	-0.0344	3.20	0.0639	5137.73
230	1705410-1L 50X	0.0017	23.33	0.0360	273.34	0.0001	14.45	-0.0347	2.64	0.0216	4024.02
231	1705410-1D 10X	0.0017	23.33	0.1853	1312.32	0.0016	28.89	-0.0344	3.20	0.0399	4474.19
232	1705410-1MS 10X	3.0793	35219.66	9.8953	69735.95	1.0239	10693.75	2.9254	6432.45	46.3261	1210527.22
233	1705410-1MSD ...	3.0241	34588.53	9.7661	68912.27	1.0413	10898.36	2.9599	6515.24	46.6437	1219711.33
234	1705410-3 10X	0.0093	110.01	0.0663	482.24	0.0023	36.67	-0.0258	21.95	0.7774	23540.59
235	LCV	0.0580	666.71	0.2083	1517.87	0.0548	600.02	0.1752	469.86	1.0126	30246.91
236	CCV	3.0840	35273.12	9.8152	69540.62	1.0258	10777.14	2.8971	6403.12	46.2043	1212841.91
237	CCB	0.0000	3.33	0.0022	28.89	-0.0002	11.11	-0.0332	6.00	0.0154	3907.38

Analyte Table

		121 Sb [2]		137 Ba [2]		139 La [2]		140 Ce [1]		141 Pr [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	blank	0.0045	47.78	-0.0672	233.35	0.0003	113.34	-0.0001	223.35	0.0000	33.33
2	blank	0.0018	32.22	-0.0584	273.35	0.0005	130.01	0.0001	260.02	0.0000	33.33
3	blank	0.0003	21.11	-0.0657	253.35	0.0000	113.34	-0.0003	206.68	0.0000	30.00
4	blank	0.0000	18.89	-0.0835	220.02	0.0000	116.67	0.0000	240.01	0.0000	33.33
5	H/1000										
6	H/100	1.4746	10970.64	1.3738	3293.84	0.3051	7425.43	0.3239	38004.50	0.2975	40651.51
7	H/10	3.0058	21651.81	9.6816	20284.02	2.9252	68469.56	2.8750	329391.29	2.8884	387382.51
8	HIGH	29.9877	219374.25	100.0281	197566.34	30.0074	681748.43	30.0123	3280215.58	30.0112	3842160.78
9	ICV	6.0633	43901.33	19.9093	40925.74	6.0481	140589.95	6.0937	658576.15	6.1439	777600.41
10	ICB	0.0013	27.78	-0.0820	216.68	0.0000	113.34	-0.0003	196.68	-0.0001	20.00
11	LIV	0.1044	756.70	0.5505	1490.89	0.0608	1496.80	0.0533	6014.79	0.0477	6081.51
12	ICSA	0.0072	72.22	-0.0281	320.02	0.2486	5898.05	0.0050	833.40	0.0008	150.01
13	ICSAB	2.9754	22058.98	9.8613	20123.92	2.9098	68777.81	2.8388	329603.18	2.8235	383765.36
14	CCV	2.9414	22113.49	9.5225	20407.50	2.9036	70412.34	2.8552	334835.53	2.8508	391384.08
15	CCB	0.0011	27.78	-0.0708	250.01	-0.0011	93.34	0.0001	270.02	0.0000	33.33
16	IP170523-1MB ...	0.0032	43.33	-0.0493	293.35	0.0005	130.01	0.0018	460.03	0.0000	36.67
17	IM170523-1LCS...	5.6662	42976.60	19.5901	41246.04	5.8220	140823.91	5.7784	665510.95	11.7262	1581212.84
18	1705095-1 1000X	0.0019	33.33	7.7247	16302.57	0.0008	136.67	0.0015	410.03	0.0003	70.00
19	1705158-1 10X	0.0043	53.33	891.9065	1830734.04	0.0089	330.02	0.0012	380.02	0.0001	46.67
20	1705158-1L 50X	0.0043	53.33	165.9476	346450.74	-0.0023	63.34	-0.0002	230.01	0.0001	50.00
21	1705158-1D 10X	0.0074	76.67	867.8732	1780091.43	0.0174	530.57	0.0014	400.02	0.0001	53.33
22	1705158-1MS 10X	5.5458	42526.41	920.5529	1873057.94	5.8930	137606.39	5.8873	656823.34	12.0504	1573906.49
23	1705158-1MSD ...	5.7407	43814.45	928.0590	1881768.56	5.8496	136929.24	6.0857	677992.15	12.3976	1617432.06
24	1705177-1 1000X	0.0052	57.78	-0.0130	366.69	0.0016	156.68	-0.0001	243.34	0.0001	50.00
25	1705177-2 1000X	0.0035	44.45	0.0227	440.03	0.0005	130.01	0.0004	296.68	0.0002	63.33
26	CCV	2.9891	22163.62	9.5004	20267.39	2.8767	69480.85	2.8944	333446.96	2.8819	388731.18
27	CCB	0.0018	32.22	-0.0805	230.02	0.0017	160.01	0.0000	253.35	0.0003	76.67
28	1705177-3 1000X	0.0007	24.44	0.0765	553.37	0.0009	140.01	0.0005	303.36	0.0000	40.00
29	1705202-1 100X	0.0590	456.68	135.7643	274493.15	0.0439	1150.10	0.1497	16996.76	0.0147	1956.90
30	1705203-1 10X	0.0092	84.45	643.8068	1215497.72	0.0096	326.69	0.0105	1320.21	0.0012	180.01
31	1705212-1 10X	0.0153	132.23	2.3743	5224.49	0.1174	2897.07	0.1926	22423.89	0.0221	3013.77

Analyte Table

		121 Sb [2]		137 Ba [2]		139 La [2]		140 Ce [1]		141 Pr [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	1705212-2 10X	0.0315	253.34	2.0598	4667.57	0.1076	2687.05	0.1916	21759.64	0.0246	3267.18
33	1705212-3 10X	0.0071	71.11	2.3463	5161.10	0.0680	1723.54	0.1148	12952.74	0.0129	1710.18
34	1705240-1 10X	0.0108	100.00	31.9032	66782.57	0.0008	136.67	0.0046	766.73	0.0002	66.67
35	1705242-1 10X	0.0167	142.23	33.9339	69313.25	0.0049	230.02	0.0048	783.39	0.0009	146.67
36	1705243-1 10X	0.0118	111.11	166.8755	334838.76	0.0037	200.01	0.0070	1016.76	0.0004	90.00
37	1705369-1 10X	0.0183	172.23	4.3561	8923.05	0.0011	140.01	0.0008	330.02	0.0001	43.33
38	CCV	2.9786	21945.49	9.5609	20524.36	2.8983	70374.34	2.8678	333358.31	2.8509	388015.65
39	CCB	-0.0004	16.67	-0.0644	263.35	-0.0008	100.01	-0.0006	186.68	0.0001	50.00
40	1705369-3 10X	0.0160	140.00	0.8625	2193.60	0.0013	150.01	0.0013	400.03	0.0006	110.01
41	1705376-1 10X	0.0058	70.00	9.1530	18168.19	0.0058	246.68	0.0017	430.03	0.0001	40.00
42	1705376-3 10X	0.0084	85.56	87.7527	168175.43	0.0085	306.68	0.0017	413.36	0.0003	70.01
43	1705376-5 10X	0.0046	57.78	33.2527	65405.71	0.0043	213.35	0.0064	943.41	0.0010	163.34
44	1705376-7 10X	0.0093	96.67	33.5691	65332.49	0.0024	170.02	0.0009	340.02	0.0003	73.34
45	1705380-1 1000X	0.0020	34.44	0.3965	1233.45	-0.0014	86.67	0.0003	283.35	0.0001	46.67
46	CCV	2.9269	22396.13	9.7532	20938.41	2.8635	70274.28	2.8149	331447.93	2.8108	387446.19
47	CCB	-0.0002	18.89	-0.0010	396.69	0.0019	166.68	0.0001	260.01	0.0001	43.33
48	IP170523-3MB ...	0.0016	32.22	-0.0445	303.35	0.0241	710.05	0.0001	266.68	0.0001	50.00
49	IM170523-3LCS...	2.9253	22269.27	9.8510	21018.42	2.9691	72122.51	2.8661	333073.40	5.7480	781882.67
50	1705389-1 10X	0.5362	4159.49	-0.0327	330.02	0.0012	150.01	0.0009	356.69	0.0003	76.67
51	1705349-2 10X	0.1811	1412.31	-0.0094	380.02	-0.0010	96.68	0.0011	380.03	0.0001	43.33
52	LCV	0.0980	691.14	0.4159	1173.44	0.0712	1690.18	0.0521	5834.70	0.0499	6318.26
53	CCV	2.9222	21538.33	9.3878	19963.83	2.8543	68351.76	2.8359	325043.85	2.8171	378038.11
54	CCB	0.0012	27.78	-0.0498	283.35	-0.0003	110.01	-0.0003	216.68	0.0000	40.00
55	1705460-1 100X	0.0007	24.45	-0.0564	266.68	-0.0008	96.67	0.0001	260.02	0.0003	80.00
56	1705460-2 100X	0.0024	37.78	-0.0645	266.68	-0.0007	103.34	-0.0001	246.69	0.0000	36.67
57	1705461-1 100X	0.0020	34.45	-0.0428	310.02	-0.0003	113.34	-0.0001	243.35	-0.0001	23.33
58	1705461-2 100X	0.0007	24.44	0.0620	516.71	0.0017	156.68	0.0003	283.35	0.0000	30.00
59	1705462-1 100X	0.0010	26.67	-0.0675	256.68	-0.0008	100.00	0.0003	286.69	0.0001	50.00
60	1705462-2 100X	0.0002	21.11	-0.0402	316.68	-0.0019	73.34	-0.0002	226.68	0.0000	40.00
61	1705462-3 100X	0.0016	31.11	-0.0274	336.69	0.0004	130.01	0.0005	303.35	0.0001	43.33
62	1705462-4 100X	0.0026	40.00	-0.0327	330.02	-0.0007	103.34	-0.0006	186.68	0.0000	30.00

Analyte Table

		121 Sb [2]		137 Ba [2]		139 La [2]		140 Ce [1]		141 Pr [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
63	1705462-5 100X	-0.0006	15.56	-0.0490	296.69	0.0009	143.34	-0.0004	200.01	0.0000	33.33
64	1705462-6 100X	0.0017	32.22	0.0146	430.03	0.0013	153.34	0.0000	256.68	0.0001	43.33
65	CCV	2.9149	22304.91	9.7958	20901.70	2.8678	70512.07	2.8209	327228.74	2.7987	380101.74
66	CCB	0.0013	30.00	-0.0492	300.02	-0.0019	73.33	0.0000	246.68	0.0000	40.00
67	1705462-7 100X	0.0004	22.22	0.0161	430.03	-0.0019	73.33	-0.0001	240.01	-0.0001	20.00
68	1705462-8 100X	0.0003	22.22	0.0129	423.36	-0.0012	90.00	-0.0003	213.34	0.0000	36.67
69	1705462-9 100X	0.0011	27.78	-0.0556	283.35	0.0017	163.34	0.0000	250.01	-0.0001	23.33
70	1705462-10 100X	0.0006	24.44	0.9687	2450.32	-0.0003	113.34	0.0021	496.70	0.0001	46.67
71	ZZZ										
72	CCV	2.9517	22193.70	9.3338	20030.51	2.8633	69617.93	2.7712	322005.24	2.7795	378117.56
73	CCB	-0.0007	14.44	-0.0658	263.35	-0.0006	106.67	0.0002	280.02	0.0000	40.00
74	IP170524-6MB ...	0.0011	27.78	-0.0618	270.02	-0.0022	66.67	0.0008	346.69	0.0001	50.00
75	IM170524-6LCS...	2.9382	22257.12	9.8895	21088.73	2.9890	72718.96	2.9584	338518.50	5.8706	786364.89
76	1705277-22 10X	0.0316	258.90	64.8823	138069.66	10.7430	266998.89	17.4043	2061405.75	2.5700	356529.94
77	1705277-22L 50X	0.0103	97.78	12.9193	27742.52	2.2134	54233.21	3.5384	420466.82	0.5372	74766.10
78	1705277-22D 10X	0.0392	320.01	92.0947	195461.92	28.4694	703342.23	46.1845	5421432.21	4.5630	627503.70
79	1705277-22MS ...	1.9303	14893.89	81.9106	170955.62	25.4536	623170.60	36.8171	4311067.23	10.1153	1387794.41
80	1705277-22MSD...	1.7347	13515.95	99.2269	205509.73	23.2455	566789.71	30.0752	3507438.70	10.8272	1479596.49
81	1705277-22A 10X	3.1937	24455.88	77.8677	163775.81	15.2479	374006.04	21.7855	2516052.36	6.0531	818859.68
82	1705277-23 10X	0.1537	1194.51	184.9445	387505.98	16.8751	419068.08	32.7492	3844106.50	3.9737	546363.97
83	1705277-24 10X	0.0340	278.90	87.2365	185871.70	17.8108	437490.36	28.9623	3402707.03	3.9473	543350.37
84	CCV	2.9337	22191.41	9.4674	20170.64	2.8466	68877.90	2.7969	329268.10	2.7759	382550.01
85	CCB	0.0013	30.00	-0.0512	293.35	0.0005	133.34	0.0005	306.69	0.0001	50.00
86	1705277-25 10X	0.0575	460.01	219.3975	460481.01	27.0421	651933.88	54.9781	6307111.57	6.2581	841015.43
87	1705277-26 10X	0.0406	325.56	96.8101	202199.36	17.1086	411366.57	29.9555	3530900.99	3.9261	542082.52
88	1705277-27 10X	0.0574	460.01	89.0618	188108.19	23.0029	559280.32	44.0604	5104587.32	5.3194	721925.85
89	1705277-28 10X	0.0165	144.45	60.6329	126117.81	12.7460	308156.44	20.5308	2375659.39	2.9231	396219.81
90	1705277-29 10X	0.0484	385.57	60.5669	127246.94	19.3088	469749.44	34.7143	4056858.48	4.5231	619041.97
91	1705277-30 10X	0.0233	198.89	38.2798	81125.99	14.0503	343722.15	24.4157	2873068.50	3.1050	427944.50
92	1705277-31 10X	0.0570	456.68	239.1239	492465.07	29.9003	720220.07	58.1557	6657897.19	6.9290	929145.69
93	1705277-32 10X	0.0193	170.01	22.6521	48798.16	20.5615	507495.23	19.6080	2351890.33	4.6429	652468.57

Analyte Table

		121 Sb [2]		137 Ba [2]		139 La [2]		140 Ce [1]		141 Pr [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
94	1705277-33 10X	0.0547	443.35	185.6283	386382.48	31.8857	774728.61	68.4266	8022001.96	7.4339	1020806.60
95	1705277-34 10X	0.0261	215.56	34.7943	72725.39	17.3184	423370.36	30.4659	3553894.53	4.0054	547205.72
96	CCV	2.9319	22526.35	9.7059	20664.59	2.8747	70311.34	2.8226	331928.71	2.7974	385090.30
97	CCB	0.0017	33.33	-0.0364	323.35	0.0018	166.68	0.0008	353.36	0.0001	56.67
98	1705277-35 10X	0.0221	192.23	32.4670	69232.85	16.3781	402722.56	27.0387	3186631.10	3.7788	521758.18
99	1705277-36 10X	0.0313	258.90	29.7456	63149.88	20.3175	501591.02	31.9537	3741136.40	4.5702	626683.99
100	1705277-37 10X	0.0216	183.33	21.4679	44729.10	8.7705	212736.21	14.3471	1674088.52	2.0454	279465.23
101	1705277-38 10X	0.0259	214.45	48.0065	99089.87	18.0197	436949.24	30.4777	3517543.80	4.0132	542622.91
102	LCV	0.1116	848.93	0.4559	1356.79	0.0680	1770.20	0.0531	6508.39	0.0508	7052.00
103	CCV	2.9999	22148.02	9.6965	20447.63	2.9306	70177.07	2.8435	324673.33	2.8236	377439.81
104	CCB	0.0016	31.11	-0.0177	353.35	0.0005	133.34	0.0002	283.35	0.0002	56.67
105	IP170525-1MB ...	0.0016	32.22	-0.0794	233.35	0.0020	170.01	0.0063	976.75	0.0005	106.67
106	IM170525-1LCS...	2.9651	22317.17	9.9733	21385.70	2.9493	72155.91	2.9356	341522.72	5.8164	792022.96
107	1704607-1 10X	0.0676	528.91	72.1916	151743.76	8.4672	205162.69	17.9870	2101362.31	2.1860	299157.29
108	1704607-1L 50X	0.0137	118.89	14.6104	30077.30	1.7276	41446.92	3.7152	422155.19	0.4640	61765.34
109	1704607-1D 10X	0.0597	465.57	82.3133	169821.00	8.1168	193981.35	17.2827	1984725.13	2.0415	274541.20
110	1704607-1MS 10X	1.3428	9961.06	106.2902	219184.62	11.7049	278103.93	22.1609	2479727.51	8.1208	1064243.13
111	1704607-1MSD ...	1.3445	10239.04	104.5171	216827.08	11.2086	266745.57	20.6444	2353395.90	7.8496	1048246.36
112	1704607-1A 10X	3.3600	24971.19	83.7110	174975.82	12.8179	307616.10	22.1399	2512309.54	5.6867	755539.65
113	1704607-2 10X	0.0579	451.12	38.2191	78540.50	5.5152	133149.67	10.5479	1234983.71	1.3387	183595.24
114	1704607-3 10X	0.0932	711.14	95.1143	194908.08	9.6129	228292.67	21.3588	2422733.66	2.4760	329045.31
115	CCV	2.9406	21933.31	9.6778	20671.34	2.8543	69179.23	2.8051	327307.37	2.7720	378629.80
116	CCB	-0.0005	15.56	-0.0443	303.35	0.0006	133.34	0.0005	303.35	0.0000	33.33
117	1704607-4 10X	0.0427	327.79	41.2496	84172.97	5.0633	121149.02	10.6614	1223052.12	1.2852	172687.78
118	1704607-5 10X	0.1124	841.15	191.6769	382313.58	11.9011	277473.24	21.8889	2436693.14	3.0230	394222.68
119	1704607-6 10X	0.0671	503.35	35.2426	72116.22	3.8122	91219.55	7.4911	846375.64	1.0134	134106.01
120	1704607-7 10X	0.0337	267.79	39.4061	81046.39	3.1478	74665.07	5.9009	678539.62	0.8320	112037.44
121	1704607-8 10X	0.1101	832.26	80.8051	164644.66	6.5724	157193.87	12.0976	1379239.67	1.6219	216618.59
122	1704607-9 10X	0.0383	304.45	80.3282	167501.19	3.9707	95807.46	7.3891	855789.13	1.0279	139476.76
123	1704607-10 10X	0.0919	694.47	87.2965	179291.14	6.8270	161706.58	14.4982	1661816.38	1.7811	239170.81
124	1704607-11 10X	0.0483	372.23	36.4428	74902.55	5.5095	131645.44	10.9388	1252465.84	1.3671	183361.39

Analyte Table

		121 Sb [2]		137 Ba [2]		139 La [2]		140 Ce [1]		141 Pr [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
125	1704607-12 10X	0.0680	503.35	108.1380	213400.60	9.7876	227922.15	19.1169	2151367.47	2.4570	323907.42
126	1704607-13 10X	0.0767	584.47	194.2472	386324.07	14.9259	346218.35	29.2266	3268563.70	3.6604	479542.66
127	CCV	2.9734	21761.94	9.7897	20544.66	2.8532	68067.73	2.8298	327347.53	2.8185	381645.65
128	CCB	-0.0007	14.44	-0.0525	286.68	-0.0010	93.34	0.0001	270.01	0.0001	46.67
129	1704607-14 10X	0.0605	443.35	121.4641	243193.84	7.1042	164994.76	14.4633	1608999.87	1.9545	254675.31
130	1704607-15 10X	0.0461	344.45	33.5966	67411.50	4.4138	102935.19	8.3155	932467.36	1.1459	150521.91
131	1704607-16 10X	0.1393	1012.27	134.3861	263554.48	13.0743	297276.32	23.1111	2530436.27	3.2736	420056.70
132	1704607-17 10X	0.0556	420.01	111.5801	223512.12	6.2845	146321.52	13.1515	1465385.50	1.6776	218847.23
133	1704607-18 10X	0.0767	577.80	85.0591	172475.69	9.0201	211693.31	18.2863	2072298.67	2.2833	303080.26
134	1704607-19 10X	0.0539	408.90	39.1065	80825.51	4.2128	100174.53	10.4032	1195143.63	1.0827	145703.43
135	LCV	0.1075	786.70	0.3987	1213.43	0.0630	1590.16	0.0542	6375.02	0.0514	6848.57
136	CCV	3.0041	21336.89	9.6402	20240.81	2.9218	67860.29	2.8398	318696.42	2.8421	373419.30
137	CCB	0.0005	22.22	-0.0660	253.35	-0.0003	110.01	0.0007	323.35	0.0000	30.00
138	IP170525-2MB ...	0.0013	27.78	-0.0707	243.35	-0.0005	103.34	0.0011	370.03	0.0001	43.33
139	IM170525-2LCS...	2.9680	21063.16	9.7270	20063.87	2.9873	68998.84	2.9295	327491.63	5.7448	751864.49
140	1704607-20 10X	0.0658	484.46	225.2390	457720.05	19.0288	439634.20	36.9010	4093275.56	4.4180	574063.13
141	1704607-21 10X	0.0857	634.47	126.7074	255622.75	9.3314	216679.38	19.1991	2145985.02	2.6410	345859.39
142	1704607-22 10X	0.0691	514.46	71.9595	146509.39	8.6749	202768.94	17.8143	2004079.76	2.2051	290478.20
143	1704607-23 10X	0.1002	724.47	252.3611	501993.25	21.5664	491977.98	40.0661	4420865.04	5.0323	650308.69
144	1705291-4 10X	0.2142	1551.21	16.3093	33276.85	5.2779	122158.69	12.5289	1394525.09	1.3858	180661.77
145	1705291-4L 50X	0.0365	281.12	2.9890	6411.66	1.0460	24249.98	2.5040	281797.36	0.2754	36304.19
146	1705291-4D 10X	0.2156	1613.44	16.8611	34426.07	5.5095	130421.03	12.5099	1402401.18	1.2755	167483.78
147	1705291-4MS 10X	1.9898	14353.37	25.4920	51510.39	7.7832	181958.00	15.0108	1712227.42	6.7760	905350.95
148	CCV	2.9904	21599.45	9.3968	19766.81	2.8764	67970.85	2.8438	321572.98	2.8223	373561.17
149	CCB	0.0010	25.56	-0.0601	260.01	0.0007	130.01	0.0007	323.35	0.0000	40.00
150	1705291-4MSD ...	1.6734	12204.90	29.1466	58632.40	8.7204	203203.32	16.2016	1821214.14	7.0662	930258.48
151	1705291-4A 10X	3.4593	25204.91	27.9406	56336.92	9.5119	220695.87	16.1250	1814448.83	4.7743	629281.92
152	LCV	0.1020	758.92	0.5286	1473.49	0.0564	1433.47	0.0543	6598.45	0.0464	6381.62
153	CCV	2.9863	21295.70	9.8097	20077.26	2.8776	66845.76	2.8178	318729.41	2.8307	374818.03
154	CCB	0.0013	28.89	-0.0346	316.68	0.0004	126.68	0.0003	280.02	0.0002	56.67
155	IP170525-3MB ...	0.0025	37.78	-0.0755	233.34	-0.0014	83.34	0.0000	240.01	0.0001	46.67

Analyte Table

		121 Sb [2]		137 Ba [2]		139 La [2]		140 Ce [1]		141 Pr [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
156	IM170525-3LCS...	2.9206	20974.19	9.6270	19926.99	2.9237	67879.99	2.8924	324358.59	5.7295	752280.22
157	ZZZ										
158	1705407-1 10X	0.6450	4825.26	239.4263	484664.11	17.5517	413644.72	35.0678	3970605.67	4.1467	550016.40
159	1705407-2 10X	0.2915	2143.51	64.2994	131284.85	6.7867	160957.36	14.1760	1627965.29	1.7092	229947.44
160	1705407-3 10X	0.2524	1870.14	127.0016	255375.29	11.3099	263322.39	23.2924	2620176.37	2.7526	362685.79
161	1705454-1 10X	0.0567	447.79	43.3103	87665.03	5.1239	121214.76	10.7784	1221549.15	1.2938	171774.53
162	1705454-1L 50X	0.0178	148.89	8.8105	17918.02	1.0212	23922.80	2.1852	250000.28	0.2691	36053.29
163	1705454-1D 10X	0.0576	448.90	51.9816	106567.25	8.5078	202203.71	18.1971	2089499.76	2.0539	276284.18
164	1705454-1MS 10X	1.9886	14846.08	75.0309	152576.31	9.8552	230339.27	17.4592	1991115.81	7.6099	1016510.87
165	CCV	2.8984	21380.31	9.8609	20350.88	2.8793	68201.22	2.7721	319088.40	2.7383	368966.24
166	CCB	0.0019	34.45	-0.0508	286.68	0.0019	166.68	0.0003	286.68	-0.0001	26.67
167	1705454-1MSD ...	1.8400	13830.71	63.7861	131473.09	9.0690	214164.45	16.0459	1854125.39	7.4218	1004488.03
168	1705454-1A 10X	3.3079	24651.77	55.6747	115335.97	9.6845	227909.89	15.1483	1720851.27	4.8308	642833.66
169	1705496-1 10X	0.1731	1281.19	149.9054	300870.60	15.2165	352786.82	32.0693	3606390.26	3.7647	495879.50
170	1705498-1 10X	0.0076	74.45	0.1920	860.06	0.0434	1163.44	0.4687	54181.81	0.0580	7862.68
171	LCV	0.0928	672.25	0.4126	1206.78	0.0676	1640.18	0.0522	6088.17	0.0451	5944.75
172	CCV	2.9259	20782.87	9.6162	19780.16	2.8395	66323.53	2.7180	309342.68	2.6861	357870.97
173	CCB	0.0001	18.89	-0.0936	186.68	0.0000	113.34	0.0004	280.02	-0.0001	23.33
174	IP170524-4RBM...	0.0026	38.89	-0.0700	246.68	-0.0010	96.67	0.0017	436.70	0.0002	56.67
175	IP170524-4MB ...	-0.0002	18.89	0.0036	410.03	-0.0022	66.67	0.0008	356.69	0.0000	40.00
176	IM170524-4LCS...	2.9428	22182.47	9.7556	20921.66	2.9048	71919.16	2.7734	330468.19	5.5251	770590.17
177	IM170524-4LCS...	2.9137	22164.75	9.3834	19800.27	2.7949	68703.88	2.7031	319987.62	5.3599	742734.83
178	1705104-1 10X	0.0093	90.00	0.1236	663.38	-0.0006	106.68	0.0021	500.03	0.0005	100.01
179	1705104-2 10X	0.0143	128.89	-0.0006	403.35	0.3779	9493.42	3.0295	357015.08	0.0024	370.02
180	1705104-3 10X	0.0206	175.64	-0.0276	343.36	0.2593	6565.08	1.1825	140140.13	0.0016	260.01
181	LCV	0.1005	817.81	0.4248	1306.79	0.0636	1723.52	0.0525	6551.76	0.0502	7088.65
182	CCV	2.9622	23012.66	9.1677	20063.92	2.8551	71577.65	2.7885	334152.02	2.8016	392975.89
183	CCB	0.0014	31.11	-0.0724	246.68	0.0003	130.01	0.0002	280.02	0.0001	53.33
184	FP170524-4MB...	0.0015	32.22	-0.0643	263.35	0.0010	146.68	0.0023	523.37	0.0002	70.00
185	FP170526-4MB...	0.0021	36.67	-0.0521	286.69	0.0049	243.43	0.0021	513.37	0.0001	53.33
186	IP170526-4MB ...	0.0024	38.89	-0.0811	230.01	0.0001	123.34	0.0024	536.71	0.0002	63.34

Analyte Table

		121 Sb [2]		137 Ba [2]		139 La [2]		140 Ce [1]		141 Pr [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
187	IM170526-4LCS...	2.9182	22638.69	9.7455	21141.96	2.9799	73677.19	2.9004	340835.70	5.7811	795339.15
188	1705474-1 10X	0.0104	98.89	5.0712	11064.42	0.1584	3994.06	0.2885	34516.50	0.0356	4991.11
189	1705474-2 10X	0.0160	143.34	4.2598	9126.48	0.0098	360.02	0.0207	2667.03	0.0031	453.37
190	1705484-1 10X	0.0036	47.78	1.0118	2460.32	0.0034	203.34	0.0023	526.71	0.0002	66.67
191	1705520-1 10X	0.0310	252.23	1.4686	3423.85	0.0059	260.02	0.0069	1046.76	0.0009	150.01
192	1705520-1L 50X	0.0092	90.00	0.2032	823.40	0.0013	150.01	0.0018	463.37	0.0003	80.00
193	1705520-1D 10X	0.0308	254.45	1.4657	3520.59	0.0236	708.71	0.0054	890.07	0.0009	153.34
194	CCV	2.9554	22544.17	9.9339	21232.18	2.8671	70749.80	2.8244	328777.79	2.8222	384608.54
195	CCB	0.0022	37.78	-0.0601	276.68	-0.0003	113.34	0.0001	266.68	0.0000	36.67
196	1705520-1MS 10X	2.9647	22444.06	11.1447	23475.57	2.9202	70127.24	2.8964	334445.34	5.7075	771440.98
197	1705520-1MSD ...	2.9894	23112.75	11.4861	24577.14	2.9624	73107.46	2.9974	351712.79	5.9083	811515.04
198	1705522-1 10X	0.1990	1525.65	2.2530	5077.77	0.0181	560.04	0.0375	4628.39	0.0048	693.38
199	1705522-2 10X	0.0177	155.56	2.6289	5771.39	0.0004	130.01	0.0031	610.05	0.0004	90.00
200	1705530-1 10X	0.0494	397.79	2.9263	6504.99	0.2172	5501.27	0.4587	55033.60	0.0535	7518.85
201	1705531-1 10X	0.0033	45.56	1.4053	3340.52	0.0020	170.01	0.0130	1783.54	0.0013	220.01
202	LCV	0.0997	776.70	0.4250	1303.47	0.0644	1693.51	0.0524	6421.64	0.0508	7041.96
203	CCV	2.8786	21714.04	9.8371	20831.45	2.8641	69417.46	2.7728	323701.98	2.7911	381442.95
204	CCB	0.0093	93.34	-0.0780	240.01	-0.0013	90.00	0.0008	353.36	0.0001	46.67
205	IP170526-2MB ...	0.0002	21.11	-0.0789	236.68	0.0004	133.34	0.0002	283.35	0.0002	66.67
206	IM170526-2LCS...	2.9275	21909.90	9.4836	20374.33	2.8725	69818.95	2.8775	337013.79	5.6935	780467.91
207	1705097-2 10X	0.0144	135.56	90.0383	189928.81	9.4835	232638.58	29.0625	3411463.70	3.8425	528373.39
208	1705097-2L 50X	0.0071	74.45	18.4638	38352.31	1.9307	47330.61	5.9904	699829.42	0.8215	112399.00
209	1705097-2D 10X	0.0136	127.78	86.2913	180975.78	9.8537	240790.54	29.2729	3413674.64	3.8639	527887.33
210	1705097-2MS 10X	1.4366	11267.52	110.5908	228070.35	13.8697	337687.99	35.3988	4110815.77	10.2250	1390975.29
211	1705097-2MSD ...	1.3964	10788.32	104.0408	216313.60	13.7246	333208.98	35.1840	4086361.92	10.1868	1385670.92
212	1705097-2A 10X	3.1456	24809.79	103.6411	215495.22	14.1187	341967.62	32.9081	3869090.99	7.3634	1014197.82
213	1705223-2 10X	0.5182	4169.51	131.6911	276277.55	10.3200	257122.71	32.0281	3785534.11	4.1909	580166.69
214	1705324-2 10X	0.1187	975.60	88.7084	185185.74	9.1054	226613.79	28.8442	3425147.97	3.7918	527692.47
215	CCV	2.9516	23235.10	9.7630	21021.59	2.8491	71520.16	2.7780	337925.76	2.7464	391105.10
216	CCB	0.0094	95.56	-0.0764	243.35	0.0013	156.68	0.0005	323.35	0.0000	36.67
217	1705362-2 10X	0.0128	123.33	112.5410	235497.02	9.5637	236850.89	28.3226	3391973.28	3.7347	523909.29

Analyte Table

		121 Sb [2]		137 Ba [2]		139 La [2]		140 Ce [1]		141 Pr [1]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
218	1705489-2 10X	0.0199	181.11	95.3883	195724.05	11.5479	283637.55	35.0040	4199984.21	4.6340	651328.54
219	1705489-4 10X	0.0184	170.00	119.8221	249971.85	9.0277	223083.47	29.9697	3527919.43	3.9793	548774.76
220	1705514-1 10X	0.6252	5128.69	145.0201	305190.80	10.8953	270413.71	24.4535	2924537.77	3.0727	430468.46
221	1705514-2 10X	0.2635	2120.18	105.9970	221291.96	11.0729	272229.28	25.7918	3088006.10	3.2661	458090.90
222	1705514-3 10X	0.1633	1323.41	72.6791	153883.93	9.6556	240587.18	23.4247	2846409.02	3.0787	438215.26
223	LCV	0.1010	824.48	0.4936	1453.48	0.0619	1673.51	0.0532	6791.86	0.0471	6808.48
224	CCV	2.8688	22284.85	9.9361	21085.22	2.8592	70365.07	2.7870	331621.77	2.7754	386583.11
225	CCB	0.0065	71.11	-0.0558	283.35	0.0002	130.01	0.0008	363.35	0.0002	63.34
226	IP170526-1MB ...	0.0033	46.67	-0.0205	356.69	0.0043	230.01	0.0021	516.71	0.0002	63.34
227	IM170526-1LCS...	2.8462	22882.41	9.7336	21071.84	3.0010	74658.52	2.9350	349459.68	5.7942	807554.21
228	1704512-3 10X	0.0158	145.56	6.4926	13950.31	0.0049	240.02	0.0517	6338.40	0.0954	13167.51
229	1705410-1 10X	0.0210	181.12	3.8739	8492.72	0.0016	163.34	0.0026	580.04	0.0009	170.01
230	1705410-1L 50X	0.0068	73.34	0.6514	1760.18	0.0024	180.01	0.0016	450.03	0.0003	80.00
231	1705410-1D 10X	0.0214	181.12	3.7302	8109.15	0.0005	133.34	0.0017	460.03	0.0004	83.34
232	1705410-1MS 10X	2.9827	22595.39	13.8512	28797.75	2.9367	71667.61	2.8853	335710.61	5.7423	782182.59
233	1705410-1MSD ...	2.9575	22472.93	14.0318	29409.17	3.0039	72202.96	2.9461	342174.04	5.7971	788265.87
234	1705410-3 10X	0.0171	148.90	4.1551	8956.33	0.0100	360.02	0.0528	6321.80	0.0951	12843.59
235	LCV	0.1040	817.81	0.4093	1270.12	0.0561	1493.48	0.0523	6441.65	0.0482	6715.15
236	CCV	2.9646	22275.97	9.6395	20781.61	2.8902	70887.05	2.8094	331629.90	2.7866	385038.12
237	CCB	0.0121	114.46	-0.0665	260.01	-0.0013	90.00	0.0007	343.35	0.0003	80.00

Analyte Table

		146 Nd [1]		205 Tl [2]		208 Pb [2]		232 Th [2]		238 U [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
1	blank	0.0012	30.00	0.0005	22.38	-0.0001	1540.14	0.0002	23.33	0.0003	18.89
2	blank	0.0007	20.00	0.0013	40.48	0.0064	1920.20	-0.0001	14.45	-0.0001	8.89
3	blank	0.0009	23.33	-0.0002	11.91	-0.0039	1636.81	-0.0001	14.44	0.0000	13.33
4	blank	0.0000	3.33	0.0000	15.72	0.0000	1725.16	0.0000	17.78	0.0000	12.22
5	H/1000										
6	H/100	0.3094	7342.11	0.0201	400.96	0.5128	15303.97	0.0902	2334.67	0.0984	2630.28
7	H/10	2.9621	69036.28	0.1834	3470.90	4.6971	124227.39	0.9711	24949.42	0.9728	25253.31
8	HIGH	30.0037	667481.80	2.0017	34064.74	50.0302	1182053.47	10.0030	256842.61	10.0027	249003.91
9	ICV	6.1864	136058.97	0.3982	7085.07	10.1894	252021.70	1.9131	49136.38	1.9276	49566.46
10	ICB	0.0009	23.33	-0.0003	9.52	-0.0048	1513.48	-0.0001	14.44	0.0001	14.44
11	LIV	0.0521	1150.11	0.0095	183.34	0.2898	8826.52	0.0185	493.35	0.0090	241.12
12	ICSA	0.0032	80.00	-0.0004	8.10	0.0141	1923.51	0.0000	17.78	0.0008	31.11
13	ICSAB	2.8682	67736.83	0.1967	3474.71	4.8834	120584.16	0.9772	25107.45	0.9556	24164.76
14	CCV	2.8730	68533.86	0.1807	3442.33	4.6553	123987.55	0.9701	24923.78	0.9272	24621.16
15	CCB	0.0013	33.33	-0.0004	8.57	-0.0069	1556.81	0.0002	23.33	0.0001	14.44
16	IP170523-1MB ...	0.0008	23.33	-0.0006	5.24	-0.0157	1343.44	0.0000	16.67	0.0003	20.00
17	IM170523-1LCS...	5.8853	137953.50	0.3657	6970.71	9.2081	244221.53	1.8958	48692.49	1.8264	48092.97
18	1705095-1 1000X	0.0019	46.67	0.1044	1901.56	0.0858	3813.78	-0.0002	12.22	0.0005	24.45
19	1705158-1 10X	0.0033	80.00	-0.0002	10.95	-0.0066	1463.46	0.0007	35.56	0.0003	18.89
20	1705158-1L 50X	0.0021	53.33	-0.0005	5.71	-0.0158	1320.12	0.0005	30.00	0.0003	18.89
21	1705158-1D 10X	0.0019	46.67	-0.0005	5.71	-0.0122	1343.44	-0.0001	15.55	0.0002	17.78
22	1705158-1MS 10X	5.9250	134505.15	0.3701	6622.46	9.4210	234528.49	1.8917	48587.85	1.8477	47473.18
23	1705158-1MSD ...	6.1258	138862.65	0.3798	6740.62	9.5994	236966.65	1.9359	49720.54	1.8612	47650.44
24	1705177-1 1000X	0.0014	36.67	-0.0003	10.00	0.0711	3657.13	0.0003	25.56	0.0003	21.11
25	1705177-2 1000X	0.0000	3.33	-0.0002	10.95	0.0210	2246.89	0.0005	30.00	0.0003	20.00
26	CCV	2.8796	67500.00	0.1878	3569.98	4.7255	125513.91	0.9558	24556.54	0.9337	24668.90
27	CCB	0.0004	13.33	-0.0005	6.66	-0.0015	1723.50	0.0007	35.56	0.0000	12.22
28	1705177-3 1000X	0.0006	16.67	-0.0004	8.57	-0.0003	1706.83	0.0000	18.89	0.0000	13.33
29	1705202-1 100X	0.0581	1326.78	0.0028	66.19	0.1286	4893.95	0.0019	66.67	0.0261	676.70
30	1705203-1 10X	0.0069	150.01	-0.0002	9.52	0.0573	2750.27	0.0009	40.00	0.0006	24.44
31	1705212-1 10X	0.0798	1873.54	0.0021	52.86	0.1246	4797.26	0.0247	651.14	0.0073	200.00

Analyte Table

		146 Nd [1]		205 Tl [2]		208 Pb [2]		232 Th [2]		238 U [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
32	1705212-2 10X	0.0888	2033.56	0.0016	46.19	0.1202	4880.64	0.0308	807.81	0.0060	168.89
33	1705212-3 10X	0.0573	1290.12	0.0011	35.71	0.0953	4173.84	0.0127	344.45	0.0039	111.11
34	1705240-1 10X	0.0027	66.67	-0.0004	8.09	0.0062	1900.19	0.0001	20.00	0.0006	28.89
35	1705242-1 10X	0.0050	116.68	-0.0003	9.53	0.0130	2006.86	0.0010	43.33	0.0021	64.45
36	1705243-1 10X	0.0031	73.34	-0.0006	4.76	0.0904	3830.41	0.0008	38.89	0.0020	61.11
37	1705369-1 10X	0.0010	26.67	0.0101	186.67	-0.0061	1420.13	-0.0003	8.89	0.0004	21.11
38	CCV	2.8799	68118.76	0.1856	3588.55	4.6629	126015.52	0.9874	25368.97	0.9372	24928.28
39	CCB	0.0014	36.67	-0.0003	10.00	-0.0008	1753.52	0.0002	23.33	-0.0002	6.67
40	1705369-3 10X	0.0027	66.67	-0.0005	5.71	0.0604	3287.03	-0.0001	14.45	0.0000	12.22
41	1705376-1 10X	0.0030	70.00	-0.0005	6.19	-0.0050	1410.12	-0.0001	14.45	0.0008	31.11
42	1705376-3 10X	0.0021	50.00	-0.0004	7.62	0.0103	1740.18	0.0000	18.89	-0.0001	7.78
43	1705376-5 10X	0.0033	76.67	0.0004	20.00	0.0122	1813.50	0.0001	20.00	0.0011	37.78
44	1705376-7 10X	0.0010	26.67	0.0003	18.57	0.0021	1580.14	0.0004	28.89	0.0004	21.11
45	1705380-1 1000X	0.0025	63.34	-0.0002	12.86	-0.0013	1696.84	0.0003	24.44	0.0002	18.89
46	CCV	2.8344	67874.26	0.1851	3562.35	4.6512	125129.79	0.9545	24525.41	0.9387	24961.63
47	CCB	0.0007	20.00	-0.0006	5.24	0.0059	1940.21	0.0005	30.00	0.0001	15.56
48	IP170523-3MB ...	0.0011	30.00	-0.0005	7.14	-0.0048	1646.81	-0.0001	15.56	0.0003	20.00
49	IM170523-3LCS...	2.9035	68634.32	0.1881	3580.45	4.7462	126251.14	0.9512	24438.55	0.9343	24712.33
50	1705389-1 10X	0.0003	10.00	-0.0003	10.00	0.0033	1860.19	0.0001	20.00	0.0124	342.23
51	1705349-2 10X	0.0012	33.33	-0.0003	10.00	-0.0023	1673.49	0.0001	21.11	0.0205	558.91
52	LCV	0.0538	1180.12	0.0101	184.77	0.3295	9215.02	0.0176	470.02	0.0090	232.23
53	CCV	2.8455	66364.67	0.1873	3527.11	4.6827	123303.95	0.9384	24110.19	0.9360	24643.30
54	CCB	0.0004	13.33	-0.0003	9.52	-0.0024	1596.83	0.0003	26.67	-0.0001	8.89
55	1705460-1 100X	0.0014	36.67	0.0033	72.86	-0.0093	1386.79	0.0000	18.89	0.0018	56.66
56	1705460-2 100X	0.0011	30.00	-0.0005	6.67	0.0036	1786.85	0.0001	21.11	0.0138	382.23
57	1705461-1 100X	0.0012	33.33	0.0015	44.76	0.0014	1756.83	0.0000	17.78	0.0013	47.78
58	1705461-2 100X	0.0014	36.67	-0.0005	5.71	0.0000	1633.48	0.0008	38.89	0.0066	183.34
59	1705462-1 100X	0.0003	10.00	-0.0004	8.10	-0.0067	1563.47	0.0003	25.56	0.0004	24.45
60	1705462-2 100X	0.0007	20.00	-0.0002	12.85	0.0125	2073.56	0.0006	32.22	0.0010	38.89
61	1705462-3 100X	0.0007	20.00	-0.0003	10.48	-0.0024	1663.50	0.0001	21.11	0.0008	34.44
62	1705462-4 100X	0.0006	16.67	-0.0003	10.48	-0.0012	1706.83	0.0002	22.22	0.0008	33.33

Analyte Table

		146 Nd [1]		205 Tl [2]		208 Pb [2]		232 Th [2]		238 U [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
63	1705462-5 100X	0.0003	10.00	0.0001	18.09	-0.0042	1626.82	0.0003	26.67	0.0008	34.44
64	1705462-6 100X	0.0006	16.67	0.0002	19.52	0.0013	1773.52	0.0009	40.00	0.0013	47.78
65	CCV	2.8202	66535.14	0.1860	3544.26	4.6320	123356.14	0.9357	24042.38	0.9309	24618.82
66	CCB	0.0006	16.67	-0.0003	10.47	-0.0089	1530.15	-0.0002	13.33	0.0002	17.78
67	1705462-7 100X	0.0000	3.33	0.0001	17.62	-0.0081	1503.47	0.0000	17.78	0.0015	51.11
68	1705462-8 100X	0.0020	50.00	-0.0001	14.29	-0.0139	1356.80	-0.0003	10.00	0.0029	88.89
69	1705462-9 100X	0.0014	36.67	-0.0003	10.95	-0.0001	1763.49	-0.0001	14.44	0.0010	38.89
70	1705462-10 100X	0.0022	56.67	-0.0002	11.90	0.0042	1816.85	-0.0001	14.44	0.0008	34.45
71	ZZZ										
72	CCV	2.8782	68022.14	0.1807	3492.82	4.5744	123549.27	0.9480	24358.38	0.9290	24678.90
73	CCB	0.0010	26.67	-0.0004	7.62	0.0018	1823.53	0.0001	20.00	-0.0001	11.11
74	IP170524-6MB ...	0.0003	10.00	-0.0004	8.57	-0.0149	1386.81	0.0004	27.78	-0.0001	10.00
75	IM170524-6LCS...	2.9573	68838.53	0.1886	3570.93	4.7363	125316.51	0.9298	23889.83	0.9511	25136.37
76	1705277-22 10X	9.2458	222843.42	0.0375	749.07	2.2447	62591.54	2.5981	66722.80	0.2674	7175.20
77	1705277-22L 50X	1.9732	47708.75	0.0070	151.43	0.4459	13730.02	0.5247	13489.78	0.0525	1415.64
78	1705277-22D 10X	13.7383	328326.52	0.0353	704.78	2.4142	66989.57	4.5376	116520.95	0.2911	7798.85
79	1705277-22MS ...	17.3118	412618.16	0.2267	4372.10	7.0344	188869.98	5.9096	151745.46	1.2480	32821.60
80	1705277-22MSD...	19.4792	462448.00	0.2455	4650.28	7.2796	191931.18	5.1360	131883.81	1.3113	34238.08
81	1705277-22A 10X	12.9605	304652.52	0.2509	4803.19	7.6726	204394.94	3.7873	97255.11	1.3405	35533.55
82	1705277-23 10X	14.9268	356605.76	0.1083	2073.97	5.2708	140382.01	4.7282	121412.31	1.0283	27184.16
83	1705277-24 10X	14.2346	340487.42	0.0598	1181.01	3.6540	100226.14	6.1367	157577.00	0.4569	12278.65
84	CCV	2.7657	66234.59	0.1829	3459.95	4.6109	122016.62	0.9524	24469.66	0.9280	24480.92
85	CCB	0.0013	33.33	-0.0006	5.24	0.0061	1910.22	0.0002	22.22	0.0001	14.45
86	1705277-25 10X	23.3437	544999.30	0.2453	4690.77	7.9222	210748.85	7.1481	183544.06	0.8020	21250.11
87	1705277-26 10X	14.4752	347332.44	0.2024	3901.01	4.3445	117211.73	5.6111	144081.06	0.5685	14975.56
88	1705277-27 10X	19.8033	466987.48	0.2119	4133.46	5.7727	157068.76	6.1775	158623.56	0.6630	17656.42
89	1705277-28 10X	10.8599	255761.73	0.0387	765.26	3.2273	88246.16	2.1772	55916.52	0.3338	8750.55
90	1705277-29 10X	16.6593	396159.07	0.0892	1734.88	3.8586	104746.14	5.3283	136819.58	0.5031	13317.31
91	1705277-30 10X	11.0579	264850.30	0.0357	711.45	2.4401	67633.32	2.8670	73626.66	0.2908	7754.38
92	1705277-31 10X	25.8416	602148.94	0.2171	4087.74	8.1163	212480.01	8.3340	213991.16	0.6346	16503.89
93	1705277-32 10X	17.2341	420779.91	0.0316	639.54	1.7210	48790.21	3.0099	77295.45	0.4063	10967.57

Analyte Table

		146 Nd [1]		205 Tl [2]		208 Pb [2]		232 Th [2]		238 U [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
94	1705277-33 10X	27.5689	657824.21	0.2507	4856.54	8.8070	237209.98	9.7476	250285.07	0.8567	22501.89
95	1705277-34 10X	14.2615	338606.04	0.0593	1144.81	2.7887	75204.67	5.8430	150035.40	0.5000	13143.81
96	CCV	2.8540	68276.43	0.1838	3522.35	4.6109	123510.73	0.9489	24380.63	0.9387	24767.92
97	CCB	0.0015	40.00	-0.0003	9.52	0.0028	1846.84	0.0004	27.78	-0.0001	11.11
98	1705277-35 10X	13.9219	334019.26	0.0805	1587.24	2.9862	82487.11	4.6429	119223.81	0.4557	12210.81
99	1705277-36 10X	16.0760	383151.36	0.0377	750.03	2.3951	66227.44	8.7189	223874.98	0.5232	13943.48
100	1705277-37 10X	7.3280	173992.43	0.0222	440.96	1.6478	45336.46	3.5945	92306.84	0.2284	5967.97
101	1705277-38 10X	14.2781	335485.99	0.0494	968.13	2.7563	75305.73	3.4410	88365.79	0.3822	9935.76
102	LCV	0.0497	1196.77	0.0092	193.34	0.3022	9781.83	0.0196	520.02	0.0102	283.34
103	CCV	2.8575	66372.28	0.1855	3473.76	4.6771	122332.39	0.9502	24413.00	0.9315	24334.99
104	CCB	0.0008	23.33	0.0000	15.24	-0.0035	1643.48	-0.0003	8.89	-0.0002	7.78
105	IP170525-1MB ...	0.0037	90.01	-0.0004	9.05	-0.0027	1696.82	0.0004	27.78	0.0003	21.11
106	IM170525-1LCS...	2.9161	69003.41	0.1876	3562.35	4.6541	123553.52	0.9201	23641.68	0.9206	24458.60
107	1704607-1 10X	8.3630	198868.30	0.0328	646.21	4.2016	113542.72	2.0901	53680.17	2.8901	76524.97
108	1704607-1L 50X	1.7422	40280.41	0.0069	145.71	0.8284	23411.85	0.4288	11027.67	0.5918	15199.20
109	1704607-1D 10X	7.7893	182024.57	0.0328	634.30	3.9027	103682.50	1.9664	50504.45	1.9982	51964.24
110	1704607-1MS 10X	11.6513	265334.35	0.2202	4119.17	8.8046	229034.06	3.0718	78885.28	3.6737	95488.68
111	1704607-1MSD ...	10.8632	252114.73	0.2168	4161.08	8.3269	222149.90	2.9640	76117.44	2.8792	75293.82
112	1704607-1A 10X	12.1417	280347.27	0.2561	4834.63	9.6736	253798.28	3.2805	84242.68	4.0175	105794.28
113	1704607-2 10X	4.9511	117961.09	0.0201	407.63	2.6351	72772.90	1.3574	34867.64	2.7531	71099.22
114	1704607-3 10X	9.5604	220711.64	0.0549	1054.33	5.6348	149227.56	3.2166	82604.25	8.5492	220796.38
115	CCV	2.8596	67864.28	0.1764	3343.73	4.7046	124582.51	0.9532	24492.05	0.9415	24916.04
116	CCB	0.0023	56.67	-0.0003	10.00	0.0091	2000.20	0.0003	26.67	-0.0001	10.00
117	1704607-4 10X	4.8622	113534.88	0.0238	469.06	2.2454	60988.24	1.2183	31297.27	1.0405	26737.95
118	1704607-5 10X	11.6644	264290.58	0.0580	1057.19	5.3731	135196.39	2.8455	73076.14	0.3520	8867.25
119	1704607-6 10X	3.7664	86614.97	0.0324	618.59	1.8429	49264.02	0.7771	19969.48	1.5958	41023.24
120	1704607-7 10X	3.0998	72538.46	0.0092	189.53	1.1157	30937.66	0.7039	18089.27	0.1996	5171.00
121	1704607-8 10X	6.0513	140433.80	0.0148	296.67	2.3643	63961.79	1.3210	33933.09	1.7985	46171.47
122	1704607-9 10X	3.8616	91013.39	0.0130	268.57	1.6102	45089.21	0.8587	22064.71	0.3292	8659.33
123	1704607-10 10X	6.9517	162144.92	0.0349	691.45	3.4937	95234.10	1.7504	44958.59	0.7641	19790.26
124	1704607-11 10X	5.0735	118224.24	0.0204	404.77	3.0466	82118.65	1.3130	33728.29	1.4102	36422.12

Analyte Table

		146 Nd [1]		205 Tl [2]		208 Pb [2]		232 Th [2]		238 U [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
125	1704607-12 10X	9.3665	214579.46	0.0270	509.06	3.2839	84922.27	2.2325	57337.25	0.4390	10930.91
126	1704607-13 10X	14.0229	319229.24	0.0476	883.84	5.1443	131579.54	3.4039	87412.09	0.5212	13087.12
127	CCV	2.8763	67686.77	0.1845	3504.73	4.6342	123043.00	0.9626	24731.20	0.9402	24456.46
128	CCB	0.0004	13.33	-0.0003	10.95	0.0047	1903.55	0.0007	36.67	0.0004	23.33
129	1704607-14 10X	7.3394	166202.01	0.0261	500.49	3.2684	85760.72	1.7269	44356.75	0.6051	15289.27
130	1704607-15 10X	4.3758	99855.31	0.0141	276.67	1.5499	41434.63	0.9171	23563.81	0.6454	16273.67
131	1704607-16 10X	12.5014	278726.69	0.0456	806.70	5.0856	123820.58	3.0998	79604.50	0.2162	5357.74
132	1704607-17 10X	6.4613	146461.41	0.0308	591.92	3.1264	82564.57	1.4032	36044.81	0.3914	9895.69
133	1704607-18 10X	8.9399	206184.79	0.0351	671.45	4.3945	115499.13	1.9537	50177.84	1.1516	29434.18
134	1704607-19 10X	3.9786	93015.27	0.0125	260.00	2.4068	66620.97	0.9861	25336.88	0.3366	8756.08
135	LCV	0.0515	1190.11	0.0105	212.86	0.2926	9291.67	0.0180	481.12	0.0105	286.67
136	CCV	2.9149	66576.02	0.1866	3497.10	4.6817	122683.33	0.9424	24213.79	0.9401	24449.75
137	CCB	0.0010	26.67	-0.0005	5.71	0.0062	1913.53	0.0002	23.33	-0.0002	5.55
138	IP170525-2MB ...	0.0012	30.00	-0.0006	3.81	-0.0059	1606.81	0.0001	21.11	-0.0002	7.78
139	IM170525-2LCS...	2.9308	66652.42	0.1888	3435.18	4.7455	120680.39	0.9135	23472.49	0.9545	24402.92
140	1704607-20 10X	16.9487	382651.97	0.0447	835.27	4.8886	125881.94	4.1569	106746.37	0.8997	23073.94
141	1704607-21 10X	10.3640	235818.78	0.0461	861.93	5.7628	148112.29	2.0535	52740.73	0.5203	13245.02
142	1704607-22 10X	8.4582	193685.48	0.0268	519.06	3.5462	94072.49	1.8478	47459.86	1.6831	43168.92
143	1704607-23 10X	19.1542	430021.86	0.0619	1121.48	6.5308	163328.12	4.5693	117333.95	0.7102	17838.78
144	1705291-4 10X	5.5840	126508.62	0.0627	1174.82	3.5041	91484.44	3.6862	94660.56	3.1954	81379.45
145	1705291-4L 50X	1.0854	24837.71	0.0128	253.81	0.6701	18952.39	0.7410	19041.65	0.6257	15947.71
146	1705291-4D 10X	4.8541	110745.54	0.0700	1292.45	3.6317	93462.66	2.7470	70547.05	1.9518	49777.77
147	1705291-4MS 10X	7.6972	178704.52	0.2362	4392.58	7.8306	202617.82	3.9759	102097.84	3.4116	86389.18
148	CCV	2.8430	65373.72	0.1861	3527.59	4.6618	123541.85	0.9668	24840.35	0.9435	24579.93
149	CCB	0.0013	33.33	-0.0004	8.57	0.0018	1743.52	-0.0003	11.11	0.0003	20.00
150	1705291-4MSD ...	8.1151	185637.33	0.2377	4441.17	8.0686	209662.67	3.6499	93729.49	3.1512	79554.98
151	1705291-4A 10X	8.7579	200566.20	0.2785	5051.37	9.0613	228482.33	4.7854	122882.53	4.2747	108084.21
152	LCV	0.0600	1430.14	0.0097	198.10	0.3052	9658.55	0.0187	497.79	0.0106	286.68
153	CCV	2.8467	65501.05	0.1887	3369.45	4.7960	119700.32	0.9279	23840.91	0.9547	24213.79
154	CCB	0.0003	10.00	-0.0004	8.57	-0.0031	1650.18	0.0002	22.22	0.0003	18.89
155	IP170525-3MB ...	0.0007	20.00	0.0006	26.67	-0.0179	1260.11	0.0003	25.55	-0.0002	7.78

Analyte Table

		146 Nd [1]		205 Tl [2]		208 Pb [2]		232 Th [2]		238 U [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
156	IM170525-3LCS...	2.9217	66655.96	0.1867	3367.55	4.7144	118808.08	0.8615	22135.96	0.8951	22950.56
157	ZZZ										
158	1705407-1 10X	15.1749	349744.59	0.2749	5321.96	1106.6011	29583127.48	4.7424	121778.69	0.9244	23617.03
159	1705407-2 10X	6.4049	149697.54	0.0800	1503.90	38.6499	997446.71	2.8580	73396.98	1.7758	45658.69
160	1705407-3 10X	10.4037	238191.07	0.1189	2186.37	34.8714	882929.80	3.6635	94076.42	0.8471	21489.34
161	1705454-1 10X	5.1448	118652.49	0.0417	778.12	2.8164	73025.08	1.9750	50724.92	0.2765	7046.25
162	1705454-1L 50X	1.0387	24170.07	0.0090	174.29	0.6026	16341.06	0.3989	10260.43	0.0591	1498.99
163	1705454-1D 10X	7.7371	180837.82	0.0550	1038.62	3.2720	85943.54	4.5152	115944.18	0.3730	9633.31
164	1705454-1MS 10X	9.5927	222639.70	0.2371	4444.02	8.1215	211683.35	3.2607	83736.28	1.3071	33482.01
165	CCV	2.7612	64664.32	0.1859	3367.55	4.7687	120672.44	0.9313	23928.79	0.9380	23993.28
166	CCB	0.0000	3.33	-0.0003	10.48	0.0146	2130.23	0.0002	22.22	0.0006	27.78
167	1705454-1MSD ...	8.7103	204881.66	0.2364	4409.73	7.3065	189791.97	3.0839	79195.68	1.2477	32388.50
168	1705454-1A 10X	8.7203	201642.17	0.2705	4936.09	8.5015	215684.52	3.2360	83101.92	1.3566	35373.17
169	1705496-1 10X	14.2436	326027.12	0.0965	1781.07	8.1878	209029.76	4.4376	113952.91	0.9723	24619.67
170	1705498-1 10X	0.2095	4917.81	0.0006	26.67	0.0189	2266.90	0.0149	400.01	0.0019	67.78
171	LCV	0.0509	1163.44	0.0089	170.48	0.3259	9535.11	0.0168	450.02	0.0113	298.90
172	CCV	2.7534	63733.49	0.1868	3459.95	4.6088	119367.73	0.8265	21236.88	0.9265	23603.82
173	CCB	0.0018	43.34	-0.0002	11.43	0.0055	1723.50	0.0001	21.11	0.0002	15.56
174	IP170524-4RBM...	0.0007	20.00	0.0011	38.57	0.0739	3767.08	0.0007	36.67	0.0001	14.44
175	IP170524-4MB ...	0.0009	26.67	0.0003	23.33	0.0187	2303.55	0.0002	23.33	0.0001	14.44
176	IM170524-4LCS...	2.7840	67473.06	0.1825	3559.50	4.5250	123428.30	0.9568	24584.31	0.9222	24520.96
177	IM170524-4LCS...	2.6899	64781.84	0.1733	3345.16	4.3137	116437.03	0.9212	23668.37	0.8818	23036.26
178	1705104-1 10X	0.0011	30.00	-0.0002	11.43	0.0122	2073.51	0.0003	26.66	0.0025	80.00
179	1705104-2 10X	0.0063	153.34	-0.0004	9.52	0.0117	2123.56	0.0017	61.11	0.0059	171.12
180	1705104-3 10X	0.0036	90.00	-0.0002	11.43	-0.0036	1680.15	0.0004	27.78	0.0027	85.56
181	LCV	0.0482	1180.10	0.0087	183.81	0.3114	10008.62	0.0255	673.53	0.0104	292.23
182	CCV	2.8086	68467.13	0.1845	3621.42	4.5506	124895.70	0.9434	24238.25	0.9241	25035.11
183	CCB	0.0008	23.33	-0.0004	8.10	0.0038	1846.84	0.0007	35.55	0.0001	14.45
184	FP170524-4MB...	0.0019	50.00	-0.0002	11.43	-0.0104	1476.80	0.0003	25.55	0.0000	13.33
185	FP170526-4MB...	0.0010	26.67	-0.0006	4.28	-0.0040	1653.48	0.0001	20.00	0.0000	12.22
186	IP170526-4MB ...	0.0012	33.33	-0.0004	9.05	-0.0077	1533.47	-0.0001	14.44	0.0007	31.11

Analyte Table

		146 Nd [1]		205 Tl [2]		208 Pb [2]		232 Th [2]		238 U [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
187	IM170526-4LCS...	2.9229	69866.93	0.1896	3670.00	4.6251	125163.78	0.9344	24008.96	0.9223	24790.26
188	1705474-1 10X	0.1470	3557.27	0.0008	30.95	0.1280	5124.01	0.0068	193.34	0.4828	12836.88
189	1705474-2 10X	0.0130	313.36	0.0002	18.57	-0.0001	1706.81	0.0011	45.55	0.8261	21396.95
190	1705484-1 10X	0.0011	30.00	-0.0003	10.00	-0.0118	1413.46	0.0008	37.78	0.0145	386.68
191	1705520-1 10X	0.0065	156.68	-0.0004	8.57	0.1388	5314.01	0.0009	40.00	0.0016	53.33
192	1705520-1L 50X	0.0024	60.00	-0.0005	6.67	0.0159	2176.87	0.0006	33.33	0.0006	27.78
193	1705520-1D 10X	0.0044	110.00	-0.0003	11.43	0.1366	5464.07	0.0009	41.11	0.0013	47.78
194	CCV	2.8270	66946.88	0.1911	3667.15	4.6358	124387.86	0.9355	24035.65	0.9357	24787.99
195	CCB	0.0011	30.00	-0.0004	7.62	-0.0050	1653.50	0.0003	26.67	0.0002	16.66
196	1705520-1MS 10X	2.9540	69380.94	0.1894	3495.68	4.9377	127339.31	0.9297	23888.76	0.9386	24553.26
197	1705520-1MSD ...	3.0387	72532.62	0.1888	3647.61	4.8073	129740.48	0.9533	24493.11	0.9381	24945.01
198	1705522-1 10X	0.0181	433.37	-0.0002	12.86	0.0428	2830.30	0.0103	282.23	0.0379	1007.83
199	1705522-2 10X	0.0013	33.33	-0.0003	10.00	-0.0128	1353.44	0.0001	21.11	0.0361	944.49
200	1705530-1 10X	0.2147	5221.13	0.0014	42.86	0.2007	7061.09	0.0140	376.68	0.0765	2027.95
201	1705531-1 10X	0.0064	156.68	-0.0004	9.05	-0.0072	1573.46	0.0005	30.00	0.0040	117.78
202	LCV	0.0538	1293.45	0.0087	182.86	0.2971	9645.13	0.0191	508.91	0.0111	310.01
203	CCV	2.8884	68605.10	0.1804	3422.80	4.5889	121702.45	0.9186	23602.63	0.9173	24069.04
204	CCB	0.0010	26.67	-0.0005	6.19	-0.0022	1736.85	-0.0003	8.89	0.0000	12.22
205	IP170526-2MB ...	0.0011	30.00	0.0001	18.09	-0.0129	1446.79	0.0001	21.11	-0.0002	6.67
206	IM170526-2LCS...	2.9265	69706.69	0.1858	3481.38	4.6574	121964.18	0.8861	22768.10	0.9198	24477.50
207	1705097-2 10X	16.7587	400387.80	0.1285	2466.89	6.4595	172250.94	6.1758	158581.07	0.3566	9492.07
208	1705097-2L 50X	3.6226	86125.06	0.0260	503.35	1.3109	35848.97	1.2495	32097.90	0.0726	1896.82
209	1705097-2D 10X	16.7313	397181.07	0.1224	2367.83	4.8656	131220.24	5.8196	149433.69	0.3453	9136.32
210	1705097-2MS 10X	21.4289	506538.17	0.3273	6193.71	9.9049	260531.65	7.5752	194508.98	1.3584	35326.25
211	1705097-2MSD ...	21.5839	510228.92	0.3181	6121.31	9.7368	260523.67	7.5956	195032.93	1.3256	34748.22
212	1705097-2A 10X	20.8274	498464.82	0.3484	6657.24	11.8864	315435.00	7.5006	192593.20	1.4349	37615.36
213	1705223-2 10X	18.2807	439658.29	0.1688	3249.43	6.5379	175103.95	6.8542	175997.66	0.4433	11741.54
214	1705324-2 10X	16.4876	398648.63	0.1593	3025.56	5.1764	137074.78	5.8829	151059.07	0.4505	11863.86
215	CCV	2.7768	68699.09	0.1815	3463.76	4.5994	122706.85	0.9380	24101.27	0.9087	24256.08
216	CCB	0.0013	36.67	-0.0004	8.09	-0.0069	1603.48	0.0005	30.00	0.0008	33.33
217	1705362-2 10X	15.8625	386627.69	0.1666	3230.37	6.2898	169811.96	5.3007	136112.05	0.2729	7210.76

Analyte Table

		146 Nd [1]		205 Tl [2]		208 Pb [2]		232 Th [2]		238 U [2]	
	Sample Name	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS	Conc. [ppb]	CPS
218	1705489-2 10X	20.3446	496877.05	0.1694	3177.03	6.4559	168431.14	6.6539	170854.13	0.4701	12168.53
219	1705489-4 10X	17.5973	421642.15	0.1664	3121.30	5.1209	133980.95	6.2644	160854.08	0.3687	9708.93
220	1705514-1 10X	12.6371	307654.39	0.1071	2063.01	124.8198	3302752.68	4.4160	113396.56	1.0227	27153.05
221	1705514-2 10X	13.6083	331703.95	0.1061	2036.34	56.3186	1485729.09	5.2043	133637.13	0.6989	18402.85
222	1705514-3 10X	12.9767	320918.74	0.1087	2082.06	32.0614	845349.89	5.8108	149209.98	0.7934	21167.64
223	LCV	0.0587	1470.16	0.0093	192.86	0.3038	9788.55	0.0212	561.13	0.0100	282.23
224	CCV	2.8592	69203.93	0.1837	3429.46	4.7475	123816.09	0.9280	23843.14	0.9283	24421.84
225	CCB	0.0016	43.34	-0.0001	13.81	-0.0081	1523.46	0.0000	18.89	0.0002	17.78
226	IP170526-1MB ...	0.0023	60.00	-0.0003	10.48	-0.0140	1393.45	0.0006	33.33	0.0002	18.89
227	IM170526-1LCS...	2.9091	70439.58	0.1831	3508.53	4.6537	124633.42	0.9590	24641.15	0.9120	24467.40
228	1704512-3 10X	0.0463	1110.09	0.0004	22.38	-0.0051	1580.12	0.0036	110.00	0.6040	15935.48
229	1705410-1 10X	0.0025	66.67	-0.0003	10.00	-0.0102	1483.46	0.0006	32.22	0.2548	6738.32
230	1705410-1L 50X	0.0012	33.33	-0.0003	9.52	-0.0114	1450.11	0.0005	30.00	0.0527	1406.75
231	1705410-1D 10X	0.0011	30.00	-0.0003	10.95	-0.0129	1390.12	0.0004	28.89	0.2481	6494.89
232	1705410-1MS 10X	2.9161	69036.24	0.1898	3564.26	4.6244	121427.42	0.9594	24651.15	1.1949	30962.03
233	1705410-1MSD ...	2.9454	69595.42	0.1833	3498.06	4.6042	122775.23	0.9512	24439.65	1.2042	31454.22
234	1705410-3 10X	0.0514	1206.79	0.0002	20.00	-0.0067	1570.13	0.0029	91.11	0.0796	2084.63
235	LCV	0.0521	1256.79	0.0103	211.43	0.2935	9448.40	0.0196	520.02	0.0100	280.01
236	CCV	2.8392	68176.69	0.1841	3551.88	4.6240	124690.17	0.9709	24945.00	0.9299	24834.80
237	CCB	0.0009	26.67	-0.0003	10.00	-0.0089	1513.48	0.0005	30.00	0.0003	20.00

ISTD Table

		45 Sc (ISTD) [1]		71 Ga (ISTD) [1]		71 Ga (ISTD) [2]		72 Ge (ISTD) [1]		72 Ge (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
1	blank	36114551.96		2437891.42	100.0	170509.37	100.0	1151169.46	100.0	77669.75	100.0
2	blank	38940071.09		2606081.68	100.0	185660.82	100.0	1236619.30	100.0	84846.13	100.0
3	blank	37796470.27		2564195.85	100.0	181424.70	100.0	1206415.84	100.0	82778.47	100.0
4	blank	38029083.60		2524708.66	100.0	187233.78	100.0	1210203.94	100.0	83394.79	100.0
5	H/1000										
6	H/100	39934153.57		2636742.72	104.4	187533.16	100.2	1250816.70	103.4	86065.41	103.2
7	H/10	39205868.58		2601336.47	103.0	185872.67	99.3	1224266.29	101.2	83394.36	100.0
8	HIGH	38720517.76		2506617.05	99.3	183088.59	97.8	1197046.78	98.9	84754.88	101.6
9	ICV	36797102.78		2467491.73	97.7	182455.90	97.4	1191509.54	98.5	83854.17	100.6
10	ICB	36439045.29		2437579.60	96.5	178276.04	95.2	1178529.25	97.4	81372.32	97.6
11	LIV	36976001.11		2467809.60	97.7	178185.04	95.2	1202723.08	99.4	81913.44	98.2
12	ICSA	41083700.22		2717436.31	107.6	184486.57	98.5	1306560.08	108.0	85405.47	102.4
13	ICSAB	40445731.06		2642621.78	104.7	185736.90	99.2	1269440.66	104.9	85826.71	102.9
14	CCV	39999473.57		2644928.76	104.8	192234.64	102.7	1252172.09	103.5	87037.32	104.4
15	CCB	39794796.07		2642211.21	104.7	190203.89	101.6	1258113.91	104.0	87277.76	104.7
16	IP170523-1MB ...	39290235.25		2595921.84	102.8	189059.61	101.0	1263953.52	104.4	86269.22	103.4
17	IM170523-1LCS...	39652747.74		2637867.04	104.5	190010.90	101.5	1260514.02	104.2	87850.88	105.3
18	1705095-1 1000X	38952508.59		2582346.11	102.3	186643.88	99.7	1220733.52	100.9	84778.60	101.7
19	1705158-1 10X	40577810.23		2646956.47	104.8	188234.54	100.5	1299642.72	107.4	89013.94	106.7
20	1705158-1L 50X	40455272.73		2652278.35	105.1	191219.08	102.1	1283911.02	106.1	89091.42	106.8
21	1705158-1D 10X	40223350.23		2636967.25	104.4	187738.59	100.3	1303898.08	107.7	89024.07	106.8
22	1705158-1MS 10X	40044988.57		2570298.30	101.8	186613.88	99.7	1292729.15	106.8	88833.31	106.5
23	1705158-1MSD ...	39729617.74		2566018.14	101.6	183775.07	98.2	1280884.49	105.8	88390.70	106.0
24	1705177-1 1000X	39576292.74		2667090.85	105.6	189507.37	101.2	1247765.37	103.1	85877.20	103.0
25	1705177-2 1000X	39226220.25		2595305.90	102.8	189451.32	101.2	1235940.47	102.1	84710.88	101.6
26	CCV	39178493.58		2617253.29	103.7	190642.06	101.8	1239989.20	102.5	85867.78	103.0
27	CCB	39496534.41		2645739.70	104.8	191927.37	102.5	1262655.97	104.3	85100.29	102.0
28	1705177-3 1000X	38858031.09		2616686.84	103.6	185709.98	99.2	1230548.47	101.7	85036.79	102.0
29	1705202-1 100X	39108332.75		2517153.24	99.7	184075.95	98.3	1213983.29	100.3	85851.09	102.9
30	1705203-1 10X	38121010.26		2398652.00	95.0	177229.74	94.7	1190832.53	98.4	82952.64	99.5
31	1705212-1 10X	40170251.90		2653910.79	105.1	185266.71	98.9	1269578.68	104.9	85280.83	102.3

ISTD Table

		45 Sc (ISTD) [1]		71 Ga (ISTD) [1]		71 Ga (ISTD) [2]		72 Ge (ISTD) [1]		72 Ge (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
32	1705212-2 10X	39136474.41		2584627.72	102.4	189740.08	101.3	1248863.68	103.2	85988.38	103.1
33	1705212-3 10X	38456883.59		2567831.58	101.7	186833.71	99.8	1239351.49	102.4	84892.81	101.8
34	1705240-1 10X	39546708.58		2624755.17	104.0	186610.37	99.7	1267765.09	104.8	86547.99	103.8
35	1705242-1 10X	38871150.25		2545204.39	100.8	185006.62	98.8	1245878.68	102.9	85210.99	102.2
36	1705243-1 10X	38799910.25		2539433.03	100.6	184760.95	98.7	1296317.85	107.1	89135.31	106.9
37	1705369-1 10X	39628282.74		2542947.20	100.7	184556.36	98.6	1432543.73	118.4	95467.98	114.5
38	CCV	39811370.24		2632789.44	104.3	191317.80	102.2	1256595.58	103.8	85304.19	102.3
39	CCB	40293649.40		2697214.44	106.8	191526.79	102.3	1275629.07	105.4	87281.29	104.7
40	1705369-3 10X	39843723.57		2598819.55	102.9	187627.76	100.2	1259488.03	104.1	87090.75	104.4
41	1705376-1 10X	39065977.75		2540151.11	100.6	182715.97	97.6	1403339.56	116.0	95903.67	115.0
42	1705376-3 10X	39379041.91		2521046.00	99.9	181001.23	96.7	1308050.61	108.1	90103.94	108.0
43	1705376-5 10X	40334964.40		2555364.60	101.2	185212.21	98.9	1354922.58	112.0	91853.22	110.1
44	1705376-7 10X	40555376.06		2565622.46	101.6	184037.86	98.3	1375182.01	113.6	93335.76	111.9
45	1705380-1 1000X	40931916.06		2727137.15	108.0	192045.17	102.6	1280895.76	105.8	86538.45	103.8
46	CCV	40376395.23		2681199.70	106.2	194161.00	103.7	1263042.25	104.4	88581.80	106.2
47	CCB	41045428.55		2731130.06	108.2	194407.28	103.8	1288769.38	106.5	88270.03	105.8
48	IP170523-3MB ...	40344339.40		2696598.29	106.8	190817.81	101.9	1279193.96	105.7	87556.61	105.0
49	IM170523-3LCS...	40192202.73		2697820.17	106.9	192883.20	103.0	1274884.28	105.3	88130.06	105.7
50	1705389-1 10X	40979928.56		2700244.08	107.0	197432.82	105.4	1316111.33	108.8	89437.12	107.2
51	1705349-2 10X	40489663.56		2681097.15	106.2	195202.54	104.3	1290821.07	106.7	89057.61	106.8
52	LCV			2461744.55	97.5	174742.74	93.3	1188042.61	98.2	79695.73	95.6
53	CCV	39126332.75		2624158.66	103.9	186712.61	99.7	1234058.68	102.0	85318.32	102.3
54	CCB	39462242.75		2628224.54	104.1	188131.93	100.5	1250308.16	103.3	84888.88	101.8
55	1705460-1 100X	40051857.74		2618201.73	103.7	183689.58	98.1	1242480.30	102.7	83750.19	100.4
56	1705460-2 100X	41411592.72		2704794.13	107.1	195260.03	104.3	1290746.13	106.7	87563.18	105.0
57	1705461-1 100X	40633470.23		2738304.02	108.5	193412.42	103.3	1277998.42	105.6	87036.77	104.4
58	1705461-2 100X	40324037.73		2647890.12	104.9	189682.03	101.3	1248914.17	103.2	86397.10	103.6
59	1705462-1 100X	40044330.24		2642606.79	104.7	193488.47	103.3	1260471.94	104.2	86319.91	103.5
60	1705462-2 100X	40636160.23		2703020.38	107.1	194059.77	103.6	1264402.20	104.5	87463.00	104.9
61	1705462-3 100X	40230081.07		2633576.16	104.3	192939.42	103.0	1254081.26	103.6	85351.41	102.3
62	1705462-4 100X	40286212.73		2654135.69	105.1	195035.38	104.2	1262286.98	104.3	88150.63	105.7

ISTD Table

		45 Sc (ISTD) [1]		71 Ga (ISTD) [1]		71 Ga (ISTD) [2]		72 Ge (ISTD) [1]		72 Ge (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
63	1705462-5 100X	39988168.57		2643061.57	104.7	195985.54	104.7	1254767.59	103.7	86517.57	103.7
64	1705462-6 100X	40155566.90		2661969.54	105.4	191369.23	102.2	1252012.09	103.5	86480.32	103.7
65	CCV	39873651.91		2688803.81	106.5	192849.46	103.0	1265140.81	104.5	88595.51	106.2
66	CCB	39889127.74		2615977.98	103.6	193477.51	103.3	1268390.66	104.8	88418.13	106.0
67	1705462-7 100X	40339450.23		2656554.65	105.2	192667.14	102.9	1252360.21	103.5	85951.46	103.1
68	1705462-8 100X	40818378.56		2669182.20	105.7	195951.73	104.7	1263352.72	104.4	88083.36	105.6
69	1705462-9 100X	40634843.56		2718233.09	107.7	195031.40	104.2	1273718.96	105.2	87422.10	104.8
70	1705462-10 100X	40092992.73		2680286.10	106.2	193048.77	103.1	1263711.31	104.4	88042.12	105.6
71	ZZZ										
72	CCV	40397441.90		2650059.75	105.0	189932.61	101.4	1263729.25	104.4	87043.82	104.4
73	CCB	39851221.07		2660376.42	105.4	193937.56	103.6	1268050.37	104.8	87344.87	104.7
74	IP170524-6MB ...	39909826.07		2646428.81	104.8	190418.76	101.7	1250601.02	103.3	86112.35	103.3
75	IM170524-6LCS...	39924272.74		2638946.83	104.5	191086.48	102.1	1252642.12	103.5	87687.34	105.1
76	1705277-22 10X	41139072.72		2749691.00	108.9	197780.42	105.6	1270790.40	105.0	87750.86	105.2
77	1705277-22L 50X	40890426.89		2715609.23	107.6	194222.94	103.7	1278219.77	105.6	87734.44	105.2
78	1705277-22D 10X	41374742.72		2730934.23	108.2	199996.81	106.8	1270440.87	105.0	88672.48	106.3
79	1705277-22MS ...	41225851.89		2747721.21	108.8	199140.49	106.4	1268647.22	104.8	89303.29	107.1
80	1705277-22MSD...	41231680.22		2719156.83	107.7	199262.46	106.4	1271957.35	105.1	90143.84	108.1
81	1705277-22A 10X	41337851.05		2749246.42	108.9	196922.61	105.2	1283476.70	106.1	88642.54	106.3
82	1705277-23 10X	41638916.88		2767626.00	109.6	200171.77	106.9	1269127.93	104.9	88524.64	106.2
83	1705277-24 10X	41291073.55		2752491.10	109.0	199353.14	106.5	1270246.31	105.0	88180.58	105.7
84	CCV	40878030.22		2700532.98	107.0	192311.19	102.7	1271862.01	105.1	87559.85	105.0
85	CCB	40924684.39		2715022.46	107.5	193479.27	103.3	1284167.40	106.1	88776.83	106.5
86	1705277-25 10X	40048946.90		2703053.81	107.1	199395.83	106.5	1234371.41	102.0	88699.86	106.4
87	1705277-26 10X	40365878.56		2717382.77	107.6	196059.35	104.7	1246335.29	103.0	87161.33	104.5
88	1705277-27 10X	40499030.23		2710091.37	107.3	201470.85	107.6	1241240.14	102.6	88856.44	106.5
89	1705277-28 10X	40556966.90		2700391.00	107.0	194205.58	103.7	1253027.79	103.5	87221.74	104.6
90	1705277-29 10X	41042886.06		2739750.27	108.5	200208.20	106.9	1259012.25	104.0	87613.36	105.1
91	1705277-30 10X	41168797.72		2692987.04	106.7	197979.65	105.7	1256550.09	103.8	89024.05	106.8
92	1705277-31 10X	41441257.72		2754152.05	109.1	200992.83	107.3	1263690.94	104.4	88732.73	106.4
93	1705277-32 10X	41679452.71		2760134.13	109.3	199450.43	106.5	1278653.84	105.7	89702.12	107.6

ISTD Table

		45 Sc (ISTD) [1]		71 Ga (ISTD) [1]		71 Ga (ISTD) [2]		72 Ge (ISTD) [1]		72 Ge (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
94	1705277-33 10X	41369049.38		2843359.64	112.6	207936.57	111.1	1273586.20	105.2	89624.87	107.5
95	1705277-34 10X	41493968.55		2765133.71	109.5	197753.86	105.6	1268300.19	104.8	87057.28	104.4
96	CCV	41833047.71		2735044.44	108.3	195488.01	104.4	1274933.24	105.3	88971.36	106.7
97	CCB	41427364.38		2721033.30	107.8	194934.10	104.1	1298537.19	107.3	88913.90	106.6
98	1705277-35 10X	41149481.05		2722084.23	107.8	201970.31	107.9	1276997.12	105.5	90338.04	108.3
99	1705277-36 10X	40973739.39		2702008.71	107.0	197478.40	105.5	1263067.79	104.4	88404.07	106.0
100	1705277-37 10X	41117819.38		2717172.67	107.6	195744.31	104.5	1256855.66	103.9	87801.87	105.3
101	1705277-38 10X	41128635.22		2727151.94	108.0	199301.20	106.4	1256678.36	103.8	87040.68	104.4
102	LCV			2654766.00	105.2	193774.36	103.5	1292252.33	106.8	86216.23	103.4
103	CCV	40236643.57		2637661.84	104.5	189635.71	101.3	1241982.82	102.6	85482.26	102.5
104	CCB	40413769.40		2649810.48	105.0	190999.21	102.0	1259013.99	104.0	85811.48	102.9
105	IP170525-1MB ...	40591399.39		2705126.00	107.1	192235.00	102.7	1263000.29	104.4	87891.20	105.4
106	IM170525-1LCS...	41098416.89		2694242.98	106.7	193357.84	103.3	1270212.61	105.0	87144.91	104.5
107	1704607-1 10X	40529446.89		2732855.22	108.2	195194.41	104.3	1257996.49	103.9	87194.86	104.6
108	1704607-1L 50X	39913866.90		2693079.86	106.7	191092.15	102.1	1240694.62	102.5	84195.56	101.0
109	1704607-1D 10X	40246898.56		2684522.35	106.3	194949.90	104.1	1241119.17	102.6	86540.75	103.8
110	1704607-1MS 10X	40209317.73		2628005.27	104.1	191753.36	102.4	1239363.68	102.4	85813.32	102.9
111	1704607-1MSD ...	40589187.73		2707521.05	107.2	195065.07	104.2	1246145.61	103.0	88059.71	105.6
112	1704607-1A 10X	40166707.74		2661710.32	105.4	193626.63	103.4	1242957.38	102.7	86088.15	103.2
113	1704607-2 10X	40643738.56		2718785.58	107.7	193350.95	103.3	1260158.34	104.1	86427.08	103.6
114	1704607-3 10X	40414893.56		2658939.34	105.3	194386.35	103.8	1225154.64	101.2	85928.15	103.0
115	CCV	40483174.40		2659003.09	105.3	192311.62	102.7	1251089.36	103.4	86347.07	103.5
116	CCB	39197008.58		2589553.87	102.6	187603.29	100.2	1236103.24	102.1	85338.33	102.3
117	1704607-4 10X	39538813.58		2639337.62	104.5	188856.76	100.9	1227002.80	101.4	83762.63	100.4
118	1704607-5 10X	38957985.25		2592530.43	102.7	187331.40	100.1	1190887.82	98.4	84711.83	101.6
119	1704607-6 10X	40371645.23		2652523.19	105.1	189234.37	101.1	1229440.55	101.6	83586.43	100.2
120	1704607-7 10X	39751914.41		2646618.97	104.8	190800.01	101.9	1229360.55	101.6	85582.69	102.6
121	1704607-8 10X	40131740.24		2668449.34	105.7	191547.78	102.3	1228366.83	101.5	85502.83	102.5
122	1704607-9 10X	40810180.22		2702306.52	107.0	190994.11	102.0	1256749.15	103.8	86202.55	103.4
123	1704607-10 10X	40009895.24		2680153.71	106.2	189644.81	101.3	1232473.99	101.8	85120.62	102.1
124	1704607-11 10X	40257729.40		2651887.36	105.0	190463.90	101.7	1224836.47	101.2	84741.57	101.6

ISTD Table

		45 Sc (ISTD) [1]		71 Ga (ISTD) [1]		71 Ga (ISTD) [2]		72 Ge (ISTD) [1]		72 Ge (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
125	1704607-12 10X	39919337.74		2594225.95	102.8	188981.27	100.9	1217051.15	100.6	82621.09	99.1
126	1704607-13 10X	40119192.73		2642880.79	104.7	189961.39	101.5	1215567.01	100.4	85267.97	102.2
127	CCV	40318106.07		2635456.94	104.4	186933.60	99.8	1247745.53	103.1	84728.08	101.6
128	CCB	39705552.74		2621979.13	103.9	187637.60	100.2	1236461.05	102.2	86092.32	103.2
129	1704607-14 10X	38320380.26		2596009.70	102.8	184544.30	98.6	1195613.24	98.8	81311.20	97.5
130	1704607-15 10X	38811398.59		2578064.44	102.1	184034.82	98.3	1194213.78	98.7	81860.07	98.2
131	1704607-16 10X	38480192.76		2539247.20	100.6	184176.70	98.4	1173732.41	97.0	82653.64	99.1
132	1704607-17 10X	39182393.58		2597641.94	102.9	186144.17	99.4	1209202.38	99.9	83555.32	100.2
133	1704607-18 10X	39214359.42		2634470.22	104.3	189692.50	101.3	1213173.16	100.2	84487.18	101.3
134	1704607-19 10X	40168101.90		2678780.90	106.1	188807.00	100.8	1228977.66	101.6	83796.43	100.5
135	LCV			2561175.54	101.4	184400.73	98.5	1220619.83	100.9	82771.57	99.3
136	CCV	37944645.27		2524644.96	100.0	179975.51	96.1	1186018.03	98.0	82218.55	98.6
137	CCB	38104786.93		2552437.62	101.1	183012.46	97.7	1192160.14	98.5	82181.02	98.5
138	IP170525-2MB ...	38573282.76		2553180.33	101.1	183459.96	98.0	1188632.14	98.2	83134.43	99.7
139	IM170525-2LCS...	38333793.60		2550125.80	101.0	177861.23	95.0	1182601.05	97.7	82148.84	98.5
140	1704607-20 10X	38176350.26		2552124.75	101.1	186007.32	99.3	1188913.13	98.2	82092.13	98.4
141	1704607-21 10X	38728914.42		2534805.06	100.4	185967.46	99.3	1192436.65	98.5	83210.24	99.8
142	1704607-22 10X	38977730.25		2622623.92	103.9	188132.44	100.5	1204167.20	99.5	83076.73	99.6
143	1704607-23 10X	38665048.59		2557739.91	101.3	184136.14	98.3	1187693.53	98.1	81726.26	98.0
144	1705291-4 10X	38470889.43		2600711.00	103.0	186588.33	99.7	1194294.38	98.7	82946.02	99.5
145	1705291-4L 50X	38910232.75		2597862.10	102.9	184170.60	98.4	1196194.05	98.8	83421.96	100.0
146	1705291-4D 10X	39848566.07		2675956.00	106.0	189908.25	101.4	1233505.32	101.9	85784.57	102.9
147	1705291-4MS 10X	41050281.06		2730299.44	108.1	190910.65	102.0	1251335.89	103.4	83475.33	100.1
148	CCV	38593986.92		2563217.67	101.5	185527.01	99.1	1191696.00	98.5	83622.12	100.3
149	CCB	38002171.10		2562617.04	101.5	181720.99	97.1	1197421.00	98.9	82379.84	98.8
150	1705291-4MSD ...	39282326.92		2661935.12	105.4	190093.61	101.5	1214075.61	100.3	84370.42	101.2
151	1705291-4A 10X	40072263.57		2664602.82	105.5	189321.60	101.1	1233113.86	101.9	84350.22	101.1
152	LCV			2574135.54	102.0	183272.55	97.9	1216762.61	100.5	83998.35	100.7
153	CCV	38638721.92		2574189.02	102.0	182658.11	97.6	1189675.61	98.3	82543.24	99.0
154	CCB	39218044.42		2627951.00	104.1	186381.88	99.5	1222167.19	101.0	84248.77	101.0
155	IP170525-3MB ...	39469172.74		2601981.94	103.1	187536.39	100.2	1213783.27	100.3	85060.36	102.0

ISTD Table

		45 Sc (ISTD) [1]		71 Ga (ISTD) [1]		71 Ga (ISTD) [2]		72 Ge (ISTD) [1]		72 Ge (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
156	IM170525-3LCS...	39791839.41		2593766.73	102.7	182557.60	97.5	1202779.49	99.4	83140.69	99.7
157	ZZZ										
158	1705407-1 10X	39815592.74		2734726.52	108.3	195060.71	104.2	1225030.53	101.2	86334.29	103.5
159	1705407-2 10X	40797505.23		2704495.79	107.1	193760.28	103.5	1236669.07	102.2	84480.82	101.3
160	1705407-3 10X	40112789.40		2676693.76	106.0	191012.02	102.0	1223334.85	101.1	84962.54	101.9
161	1705454-1 10X	40892888.56		2735000.48	108.3	194930.85	104.1	1239885.66	102.5	87318.00	104.7
162	1705454-1L 50X	40145266.07		2650626.42	105.0	187869.19	100.3	1230620.94	101.7	84426.49	101.2
163	1705454-1D 10X	41112522.72		2740903.61	108.6	194568.73	103.9	1254631.08	103.7	86342.74	103.5
164	1705454-1MS 10X	40924778.56		2735758.19	108.4	194887.06	104.1	1244206.65	102.8	86383.94	103.6
165	CCV	40273691.90		2632862.41	104.3	188107.75	100.5	1237398.08	102.2	85391.50	102.4
166	CCB	40987669.39		2693304.86	106.7	192316.37	102.7	1273043.45	105.2	88682.80	106.3
167	1705454-1MSD ...	41784177.71		2812322.15	111.4	197936.61	105.7	1273622.85	105.2	86976.37	104.3
168	1705454-1A 10X	41683144.38		2723999.85	107.9	193729.62	103.5	1269724.56	104.9	86333.65	103.5
169	1705496-1 10X	39574315.24		2705278.08	107.2	193549.77	103.4	1223469.75	101.1	84450.15	101.3
170	1705498-1 10X	39925768.57		2657683.34	105.3	186658.51	99.7	1216641.72	100.5	83946.93	100.7
171	LCV			2522846.78	99.9	177785.80	95.0	1185990.69	98.0	81639.90	97.9
172	CCV	38774538.59		2584046.58	102.4	183695.34	98.1	1190868.13	98.4	82249.01	98.6
173	CCB	37473396.11		2477118.97	98.1	181193.96	96.8	1168824.54	96.6	81059.30	97.2
174	IP170524-4RBM...	36935253.62		2545698.24	100.8	190412.17	101.7	1212507.43	100.2	85636.35	102.7
175	IP170524-4MB ...	37652772.77		2616921.16	103.7	196205.93	104.8	1236832.92	102.2	88959.97	106.7
176	IM170524-4LCS...	38119622.77		2589890.95	102.6	193587.18	103.4	1247294.93	103.1	87254.93	104.6
177	IM170524-4LCS...	38394480.26		2597407.46	102.9	194956.99	104.1	1248709.59	103.2	88089.31	105.6
178	1705104-1 10X	38279948.60		2598746.37	102.9	195173.60	104.2	1249044.33	103.2	87496.10	104.9
179	1705104-2 10X	38753261.92		2652488.40	105.1	196519.67	105.0	1255141.57	103.7	88538.87	106.2
180	1705104-3 10X	38277445.26		2617898.19	103.7	196049.56	104.7	1268711.75	104.8	87841.32	105.3
181	LCV			2678171.37	106.1	198327.69	105.9	1255665.37	103.8	91867.52	110.2
182	CCV	40252569.40		2699692.04	106.9	198907.70	106.2	1250327.63	103.3	89936.30	107.8
183	CCB	39951964.41		2693060.59	106.7	196328.17	104.9	1260857.22	104.2	90563.63	108.6
184	FP170524-4MB...	39676570.24		2671611.31	105.8	193925.42	103.6	1248467.51	103.2	89899.69	107.8
185	FP170526-4MB...	40098215.24		2679347.35	106.1	197273.60	105.4	1263167.53	104.4	88915.04	106.6
186	IP170526-4MB ...	40072723.57		2687098.29	106.4	196020.82	104.7	1254636.31	103.7	89131.54	106.9

ISTD Table

		45 Sc (ISTD) [1]		71 Ga (ISTD) [1]		71 Ga (ISTD) [2]		72 Ge (ISTD) [1]		72 Ge (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
187	IM170526-4LCS...	40405990.23		2679259.59	106.1	194508.74	103.9	1255349.82	103.7	89801.65	107.7
188	1705474-1 10X	39582297.75		2657761.42	105.3	193148.12	103.2	1254432.95	103.7	87965.55	105.5
189	1705474-2 10X	39770333.58		2656276.11	105.2	193358.19	103.3	1238816.31	102.4	89102.28	106.8
190	1705484-1 10X	39447543.58		2607611.16	103.3	192097.14	102.6	1244833.50	102.9	88854.05	106.5
191	1705520-1 10X	38630137.76		2623489.49	103.9	189846.75	101.4	1226743.34	101.4	86732.41	104.0
192	1705520-1L 50X	39355510.25		2622321.26	103.9	192418.39	102.8	1234690.53	102.0	87952.47	105.5
193	1705520-1D 10X	39093734.42		2667004.54	105.6	194991.69	104.1	1242203.11	102.6	88336.94	105.9
194	CCV	39481652.74		2633820.38	104.3	194063.07	103.6	1229698.21	101.6	88304.48	105.9
195	CCB	40061749.40		2678922.36	106.1	196851.86	105.1	1259526.02	104.1	91263.59	109.4
196	1705520-1MS 10X	38509027.76		2583371.84	102.3	190598.80	101.8	1221976.49	101.0	87630.24	105.1
197	1705520-1MSD ...	39318687.75		2623982.62	103.9	194063.81	103.6	1239927.87	102.5	89510.88	107.3
198	1705522-1 10X	38971806.92		2623938.66	103.9	190796.63	101.9	1241834.15	102.6	87697.98	105.2
199	1705522-2 10X	39594747.74		2613470.69	103.5	191095.35	102.1	1237141.73	102.2	88588.93	106.2
200	1705530-1 10X	39584995.25		2675687.04	106.0	196591.24	105.0	1257897.95	103.9	88565.92	106.2
201	1705531-1 10X	39727866.91		2635144.49	104.4	195624.74	104.5	1253834.38	103.6	88809.38	106.5
202	LCV			2642988.40	104.7	193126.73	103.1	1248001.13	103.1	87949.16	105.5
203	CCV	39185990.25		2616456.68	103.6	193114.72	103.1	1227886.44	101.5	87315.54	104.7
204	CCB	39878745.24		2691364.65	106.6	195939.37	104.6	1255251.42	103.7	90566.54	108.6
205	IP170526-2MB ...	39667203.57		2689395.12	106.5	195169.85	104.2	1247518.65	103.1	87965.31	105.5
206	IM170526-2LCS...	39529106.91		2623112.98	103.9	191924.03	102.5	1229294.56	101.6	86648.47	103.9
207	1705097-2 10X	40823242.73		2851589.12	112.9	209917.40	112.1	1265926.80	104.6	92258.81	110.6
208	1705097-2L 50X	40010547.74		2721991.42	107.8	199288.77	106.4	1238905.29	102.4	88615.25	106.3
209	1705097-2D 10X	40609586.90		2808114.44	111.2	207807.97	111.0	1249612.17	103.3	91233.20	109.4
210	1705097-2MS 10X	40769861.06		2846262.56	112.7	209652.37	112.0	1253898.05	103.6	90713.34	108.8
211	1705097-2MSD ...	40237523.57		2828967.14	112.1	210494.90	112.4	1251360.79	103.4	89349.57	107.1
212	1705097-2A 10X	41018162.72		2844326.94	112.7	210156.71	112.2	1258708.86	104.0	91317.07	109.5
213	1705223-2 10X	42265256.04		2956654.43	117.1	217869.09	116.4	1304011.57	107.8	92748.42	111.2
214	1705324-2 10X	42595972.70		2931589.02	116.1	216194.19	115.5	1305052.40	107.8	93207.87	111.8
215	CCV	42300778.54		2796815.90	110.8	200405.68	107.0	1313659.54	108.5	91156.34	109.3
216	CCB	42053781.04		2775850.69	109.9	203071.26	108.5	1308405.84	108.1	92188.76	110.5
217	1705362-2 10X	42753484.36		2927459.75	116.0	216496.66	115.6	1302683.70	107.6	92480.13	110.9

ISTD Table

		45 Sc (ISTD) [1]		71 Ga (ISTD) [1]		71 Ga (ISTD) [2]		72 Ge (ISTD) [1]		72 Ge (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
218	1705489-2 10X	42889859.36		2950462.66	116.9	217211.53	116.0	1313360.09	108.5	93298.61	111.9
219	1705489-4 10X	42423136.04		2984974.43	118.2	215672.80	115.2	1325984.72	109.6	93643.82	112.3
220	1705514-1 10X	43081428.52		2900840.38	114.9	213100.59	113.8	1317188.05	108.8	94642.60	113.5
221	1705514-2 10X	42886351.86		2834567.67	112.3	208155.76	111.2	1336351.86	110.4	92362.61	110.8
222	1705514-3 10X	43143819.36		2835686.94	112.3	210116.62	112.2	1330071.75	109.9	92503.61	110.9
223	LCV			2753546.63	109.1	200593.08	107.1	1307216.18	108.0	92125.69	110.5
224	CCV	40912711.06		2707144.65	107.2	196509.45	105.0	1257206.23	103.9	89926.27	107.8
225	CCB	41364559.38		2755291.11	109.1	203284.43	108.6	1302967.04	107.7	90134.29	108.1
226	IP170526-1MB ...	41423364.38		2723100.48	107.9	198463.89	106.0	1288301.57	106.5	90998.42	109.1
227	IM170526-1LCS...	41585548.55		2736911.21	108.4	199045.21	106.3	1307855.24	108.1	93086.47	111.6
228	1704512-3 10X	39938927.74		2720819.02	107.8	197175.99	105.3	1278184.07	105.6	91625.50	109.9
229	1705410-1 10X	40772680.23		2715667.46	107.6	197687.70	105.6	1286791.57	106.3	88912.88	106.6
230	1705410-1L 50X	40045703.57		2698622.04	106.9	193938.96	103.6	1273891.31	105.3	89946.16	107.9
231	1705410-1D 10X	39409815.25		2658455.69	105.3	191969.27	102.5	1247400.47	103.1	87532.32	105.0
232	1705410-1MS 10X	39340226.08		2627686.99	104.1	192369.58	102.7	1243570.61	102.8	87694.26	105.2
233	1705410-1MSD ...	39191419.42		2612679.29	103.5	191449.05	102.3	1233564.67	101.9	87978.77	105.5
234	1705410-3 10X	38386682.76		2601292.56	103.0	192124.69	102.6	1228967.04	101.6	87415.63	104.8
235	LCV			2670443.40	105.8	193881.23	103.6	1262632.04	104.3	88789.97	106.5
236	CCV	39936991.90		2659780.38	105.3	191659.05	102.4	1246561.99	103.0	86993.89	104.3
237	CCB	40293458.57		2709231.42	107.3	196101.73	104.7	1254465.24	103.7	89346.02	107.1

ISTD Table

		103 Rh (ISTD) [1]		103 Rh (ISTD) [2]		115 In (ISTD) [1]		115 In (ISTD) [2]		195 Pt (ISTD) [1]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
1	blank	7164692.18	100.0	1802864.77	100.0	7537374.30	100.0	1107194.93	100.0	1611387.21	100.0
2	blank	7791491.97	100.0	1958597.21	100.0	8106691.32	100.0	1214770.46	100.0	1756828.73	100.0
3	blank	7521906.56	100.0	1942916.90	100.0	7855337.18	100.0	1186680.67	100.0	1722289.92	100.0
4	blank	7515896.55	100.0	1994679.56	100.0	7852116.29	100.0	1211887.10	100.0	1699076.85	100.0
5	H/1000										
6	H/100	7733633.01	102.9	2002974.97	100.4	8239015.19	104.9	1223374.48	100.9	1749541.22	103.0
7	H/10	7634344.47	101.6	1960993.15	98.3	8089554.84	103.0	1193430.62	98.5	1721636.64	101.3
8	HIGH	7168046.56	95.4	1934941.58	97.0	7723576.86	98.4	1160164.12	95.7	1609533.57	94.7
9	ICV	7176999.69	95.5	1894412.37	95.0	7634364.06	97.2	1186183.40	97.9	1650937.27	97.2
10	ICB	7220663.22	96.1	1871404.82	93.8	7610591.47	96.9	1167131.94	96.3	1632698.88	96.1
11	LIV	7356386.76	97.9	1910080.34	95.8	7656894.67	97.5	1163220.98	96.0	1640851.96	96.6
12	ICSA	7742886.55	103.0	1891344.97	94.8	8261622.59	105.2	1187886.75	98.0	1738654.56	102.3
13	ICSAB	7521069.47	100.1	1898195.49	95.2	8197930.81	104.4	1205195.99	99.4	1705555.96	100.4
14	CCV	7812148.84	103.9	2010386.64	100.8	8280209.01	105.5	1236398.99	102.0	1750710.60	103.0
15	CCB	7861428.43	104.6	2058811.32	103.2	8258377.17	105.2	1247688.55	103.0	1762171.02	103.7
16	IP170523-1MB ...	7796896.13	103.7	2021117.73	101.3	8219062.89	104.7	1238958.57	102.2	1756133.62	103.4
17	IM170523-1LCS...	7795334.47	103.7	2010264.13	100.8	8137318.60	103.6	1234337.53	101.9	1739180.81	102.4
18	1705095-1 1000X	7455547.60	99.2	1966438.46	98.6	7982280.98	101.7	1218814.05	100.6	1691006.69	99.5
19	1705158-1 10X	7624269.89	101.4	1933251.12	96.9	8028409.27	102.2	1221329.21	100.8	1766643.26	104.0
20	1705158-1L 50X	7770732.18	103.4	2026093.67	101.6	8196893.02	104.4	1244614.56	102.7	1734261.48	102.1
21	1705158-1D 10X	7555003.01	100.5	1939213.46	97.2	8012547.39	102.0	1211129.48	99.9	1698148.41	99.9
22	1705158-1MS 10X	7424075.51	98.8	1927862.89	96.7	7882605.60	100.4	1191559.54	98.3	1695363.46	99.8
23	1705158-1MSD ...	7430529.68	98.9	1943710.96	97.4	7869320.20	100.2	1194555.61	98.6	1706468.93	100.4
24	1705177-1 1000X	7662153.22	101.9	2005373.56	100.5	8243564.37	105.0	1234496.20	101.9	1733115.60	102.0
25	1705177-2 1000X	7603759.26	101.2	1990811.69	99.8	8105985.57	103.2	1226214.03	101.2	1707333.41	100.5
26	CCV	7613840.09	101.3	2019852.84	101.3	8136213.36	103.6	1231433.46	101.6	1711528.05	100.7
27	CCB	7867806.76	104.7	2073002.57	103.9	8190739.39	104.3	1237662.45	102.1	1734944.29	102.1
28	1705177-3 1000X	7703566.34	102.5	1995843.87	100.1	8050713.68	102.5	1228256.27	101.4	1724020.60	101.5
29	1705202-1 100X	7310983.02	97.3	1932842.11	96.9	7908287.08	100.7	1204476.78	99.4	1683981.02	99.1
30	1705203-1 10X	6803404.27	90.5	1801855.86	90.3	7361847.22	93.8	1146184.31	94.6	1456874.93	85.7
31	1705212-1 10X	7820940.30	104.1	1996479.24	100.1	8135264.10	103.6	1209490.70	99.8	1724128.52	101.5

ISTD Table

		103 Rh (ISTD) [1]		103 Rh (ISTD) [2]		115 In (ISTD) [1]		115 In (ISTD) [2]		195 Pt (ISTD) [1]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
32	1705212-2 10X	7593323.43	101.0	2006995.59	100.6	7934823.49	101.1	1220122.22	100.7	1687726.02	99.3
33	1705212-3 10X	7499958.85	99.8	1988044.76	99.7	7833439.59	99.8	1207369.73	99.6	1670877.01	98.3
34	1705240-1 10X	7665732.39	102.0	2028432.78	101.7	8074569.24	102.8	1222736.07	100.9	1707692.21	100.5
35	1705242-1 10X	7526757.18	100.1	1945921.69	97.6	7934894.88	101.1	1199824.36	99.0	1691007.78	99.5
36	1705243-1 10X	7401262.81	98.5	1964656.27	98.5	7810084.04	99.5	1186828.83	97.9	1652908.42	97.3
37	1705369-1 10X	7230748.85	96.2	1881071.53	94.3	7838101.49	99.8	1197999.09	98.9	1609194.71	94.7
38	CCV	7735462.39	102.9	2026499.29	101.6	8209373.33	104.5	1238072.67	102.2	1750930.70	103.1
39	CCB	7927941.13	105.5	2047556.22	102.7	8293873.56	105.6	1250366.44	103.2	1765887.05	103.9
40	1705369-3 10X	7753619.26	103.2	2012567.94	100.9	8201351.91	104.4	1235359.95	101.9	1732432.42	102.0
41	1705376-1 10X	7101936.35	94.5	1857020.44	93.1	7764493.88	98.9	1173714.91	96.9	1593721.12	93.8
42	1705376-3 10X	7035539.27	93.6	1831557.11	91.8	7577059.76	96.5	1170415.12	96.6	1515550.60	89.2
43	1705376-5 10X	7173927.81	95.5	1871009.09	93.8	7745826.46	98.6	1181261.86	97.5	1536029.82	90.4
44	1705376-7 10X	7192090.52	95.7	1869509.45	93.7	7758066.03	98.8	1180826.46	97.4	1582616.85	93.1
45	1705380-1 1000X	7884446.34	104.9	2033057.05	101.9	8229288.94	104.8	1246254.66	102.8	1745195.13	102.7
46	CCV	7800410.51	103.8	2021100.80	101.3	8314753.30	105.9	1251413.61	103.3	1732138.83	101.9
47	CCB	8102889.25	107.8	2047333.25	102.6	8294130.82	105.6	1252771.23	103.4	1784800.08	105.0
48	IP170523-3MB ...	7849785.71	104.4	2078306.33	104.2	8235406.84	104.9	1250968.58	103.2	1755081.38	103.3
49	IM170523-3LCS...	7978002.80	106.1	2046058.46	102.6	8204288.47	104.5	1238585.16	102.2	1757787.74	103.5
50	1705389-1 10X	7874639.88	104.8	2063897.94	103.5	8328592.68	106.1	1259143.71	103.9	1794101.22	105.6
51	1705349-2 10X	7958358.01	105.9	2040533.72	102.3	8290556.92	105.6	1254727.48	103.5	1781076.48	104.8
52	LCV	7277403.43	96.8	1875617.00	94.0	7593943.76	96.7	1134477.46	93.6	1619585.03	95.3
53	CCV	7561016.35	100.6	1983904.76	99.5	8093492.95	103.1	1220874.64	100.7	1728166.74	101.7
54	CCB	7755168.42	103.2	1984668.67	99.5	8091449.31	103.0	1210101.60	99.9	1710395.34	100.7
55	1705460-1 100X	7616155.10	101.3	1933243.88	96.9	7977438.13	101.6	1193303.63	98.5	1690752.16	99.5
56	1705460-2 100X	7954724.26	105.8	2053324.60	102.9	8370835.86	106.6	1253118.25	103.4	1775486.49	104.5
57	1705461-1 100X	7944233.01	105.7	2035755.02	102.1	8309215.24	105.8	1250493.74	103.2	1787032.84	105.2
58	1705461-2 100X	7801616.97	103.8	1985095.28	99.5	8124491.18	103.5	1217139.02	100.4	1737737.89	102.3
59	1705462-1 100X	7857225.72	104.5	2014722.57	101.0	8215112.88	104.6	1243341.64	102.6	1730593.83	101.9
60	1705462-2 100X	7823579.26	104.1	2023108.36	101.4	8315552.35	105.9	1252436.71	103.3	1760774.30	103.6
61	1705462-3 100X	7677023.84	102.1	2019847.16	101.3	8117044.61	103.4	1245879.12	102.8	1740858.57	102.5
62	1705462-4 100X	7798671.76	103.8	2065958.40	103.6	8243339.78	105.0	1254213.06	103.5	1738807.94	102.3

ISTD Table

		103 Rh (ISTD) [1]		103 Rh (ISTD) [2]		115 In (ISTD) [1]		115 In (ISTD) [2]		195 Pt (ISTD) [1]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
63	1705462-5 100X	7791893.22	103.7	2030505.70	101.8	8174308.64	104.1	1252778.06	103.4	1749948.98	103.0
64	1705462-6 100X	7836815.93	104.3	2027012.73	101.6	8208523.06	104.5	1252012.55	103.3	1760813.62	103.6
65	CCV	7757073.01	103.2	2032574.87	101.9	8189770.55	104.3	1253599.65	103.4	1757364.61	103.4
66	CCB	7830576.76	104.2	2047088.41	102.6	8201407.73	104.4	1251039.53	103.2	1745475.91	102.7
67	1705462-7 100X	7792186.97	103.7	2030339.09	101.8	8199225.80	104.4	1246304.82	102.8	1697345.70	99.9
68	1705462-8 100X	7822349.67	104.1	2052122.21	102.9	8165616.29	104.0	1251601.31	103.3	1747554.24	102.9
69	1705462-9 100X	7928160.51	105.5	2035027.31	102.0	8225104.90	104.8	1258311.90	103.8	1757190.29	103.4
70	1705462-10 100X	7822399.05	104.1	2042944.19	102.4	8245115.75	105.0	1253323.14	103.4	1748323.72	102.9
71	ZZZ										
72	CCV	7786766.55	103.6	2030402.21	101.8	8203274.45	104.5	1239642.95	102.3	1732295.50	102.0
73	CCB	7886011.97	104.9	2035672.00	102.1	8314518.58	105.9	1251914.78	103.3	1759696.69	103.6
74	IP170524-6MB ...	7822685.30	104.1	2023615.49	101.5	8160521.68	103.9	1243968.83	102.6	1743032.37	102.6
75	IM170524-6LCS...	7746515.72	103.1	2013770.91	101.0	8078888.26	102.9	1240508.28	102.4	1723681.59	101.4
76	1705277-22 10X	7942559.05	105.7	2070428.72	103.8	8367246.50	106.6	1268803.95	104.7	1756677.79	103.4
77	1705277-22L 50X	7926465.51	105.5	2071653.66	103.9	8392463.41	106.9	1248590.79	103.0	1775385.49	104.5
78	1705277-22D 10X	7909682.59	105.2	2030594.34	101.8	8294490.04	105.6	1261654.98	104.1	1724391.02	101.5
79	1705277-22MS ...	7893958.01	105.0	2012295.34	100.9	8273934.93	105.4	1250294.73	103.2	1739791.28	102.4
80	1705277-22MSD...	7864428.43	104.6	2027726.01	101.7	8240610.83	104.9	1245039.68	102.7	1683643.10	99.1
81	1705277-22A 10X	7900075.09	105.1	2028611.17	101.7	8160008.79	103.9	1252406.62	103.3	1719903.62	101.2
82	1705277-23 10X	7835141.97	104.2	2024054.71	101.5	8292909.07	105.6	1268000.98	104.6	1725262.63	101.5
83	1705277-24 10X	7950763.22	105.8	2039586.90	102.3	8306012.83	105.8	1254180.72	103.5	1748808.98	102.9
84	CCV	7860473.63	104.6	2024897.26	101.5	8313491.67	105.9	1233820.15	101.8	1749917.06	103.0
85	CCB	8099244.88	107.8	2072845.28	103.9	8268063.24	105.3	1254959.78	103.6	1772936.49	104.3
86	1705277-25 10X	7672016.13	102.1	2007322.11	100.6	8106271.99	103.2	1231036.00	101.6	1699737.74	100.0
87	1705277-26 10X	7830265.51	104.2	2011121.64	100.8	8330947.89	106.1	1227858.08	101.3	1720539.30	101.3
88	1705277-27 10X	7787873.42	103.6	2036050.85	102.1	8186312.35	104.3	1241501.29	102.4	1723918.78	101.5
89	1705277-28 10X	7811826.55	103.9	2023081.95	101.4	8177745.94	104.1	1234323.51	101.9	1737092.32	102.2
90	1705277-29 10X	7851811.76	104.5	2027374.71	101.6	8256568.08	105.2	1242224.01	102.5	1699960.29	100.1
91	1705277-30 10X	7826560.72	104.1	2036557.00	102.1	8314712.17	105.9	1249033.57	103.1	1724384.61	101.5
92	1705277-31 10X	7840690.72	104.3	2018057.73	101.2	8089394.32	103.0	1230054.33	101.5	1707135.49	100.5
93	1705277-32 10X	8089979.67	107.6	2097206.48	105.1	8478060.23	108.0	1260260.75	104.0	1757297.27	103.4

ISTD Table

		103 Rh (ISTD) [1]		103 Rh (ISTD) [2]		115 In (ISTD) [1]		115 In (ISTD) [2]		195 Pt (ISTD) [1]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
94	1705277-33 10X	7898531.97	105.1	2051938.87	102.9	8283453.42	105.5	1240730.33	102.4	1701708.57	100.2
95	1705277-34 10X	7989087.80	106.3	2052436.48	102.9	8241755.03	105.0	1248227.08	103.0	1747022.11	102.8
96	CCV	7874327.18	104.8	2035214.87	102.0	8303181.87	105.7	1247135.19	102.9	1748333.52	102.9
97	CCB	8087174.25	107.6	2080301.22	104.3	8463757.72	107.8	1261188.37	104.1	1781154.24	104.8
98	1705277-35 10X	7971830.30	106.1	2047512.42	102.6	8329181.68	106.1	1255459.41	103.6	1772458.93	104.3
99	1705277-36 10X	7793306.97	103.7	2053627.57	103.0	8275995.51	105.4	1260577.38	104.0	1734534.35	102.1
100	1705277-37 10X	7876790.09	104.8	2030384.76	101.8	8249292.57	105.1	1238158.69	102.2	1720097.94	101.2
101	1705277-38 10X	7766730.72	103.3	2021686.59	101.4	8157295.25	103.9	1238125.81	102.2	1730664.98	101.9
102	LCV	8084646.13	107.6	2060143.72	103.3	8323770.40	106.0	1239429.62	102.3	1776203.99	104.5
103	CCV	7672059.68	102.1	2001866.90	100.4	8061271.10	102.7	1221132.45	100.8	1733018.41	102.0
104	CCB	7930041.97	105.5	2032712.05	101.9	8332373.60	106.1	1245235.36	102.8	1744339.40	102.7
105	IP170525-1MB ...	7851605.92	104.5	2048770.65	102.7	8162601.89	104.0	1257004.36	103.7	1739839.97	102.4
106	IM170525-1LCS...	7878997.17	104.8	2038206.48	102.2	8213176.24	104.6	1247457.36	102.9	1723547.11	101.4
107	1704607-1 10X	7836344.26	104.3	2013470.60	100.9	8253547.29	105.1	1236847.36	102.1	1756650.96	103.4
108	1704607-1L 50X	7773050.30	103.4	1991104.45	99.8	8025168.23	102.2	1221828.90	100.8	1724119.66	101.5
109	1704607-1D 10X	7715258.84	102.7	1999925.54	100.3	8114204.78	103.3	1219907.82	100.7	1693782.94	99.7
110	1704607-1MS 10X	7656628.64	101.9	1963800.13	98.5	7905961.55	100.7	1212916.44	100.1	1671582.89	98.4
111	1704607-1MSD ...	7651837.60	101.8	1982204.92	99.4	8057931.44	102.6	1214921.98	100.3	1684783.72	99.2
112	1704607-1A 10X	7647433.84	101.8	2008871.64	100.7	8020724.70	102.1	1225242.00	101.1	1686086.75	99.2
113	1704607-2 10X	7843692.80	104.4	2022602.63	101.4	8272267.25	105.4	1232001.19	101.7	1726413.15	101.6
114	1704607-3 10X	7633671.76	101.6	1964659.34	98.5	8017600.08	102.1	1212364.26	100.0	1658933.52	97.6
115	CCV	7777080.09	103.5	2000431.12	100.3	8238017.27	104.9	1235725.06	102.0	1771013.77	104.2
116	CCB	7683519.26	102.2	2010766.69	100.8	8211051.73	104.6	1218604.76	100.6	1748350.71	102.9
117	1704607-4 10X	7781474.05	103.5	1971805.39	98.9	8106189.27	103.2	1220806.82	100.7	1720141.95	101.2
118	1704607-5 10X	7372795.30	98.1	1918044.03	96.2	7864507.52	100.2	1190281.41	98.2	1649772.16	97.1
119	1704607-6 10X	7637159.47	101.6	1952250.65	97.9	7986202.51	101.7	1220632.79	100.7	1673681.38	98.5
120	1704607-7 10X	7741956.13	103.0	2002385.28	100.4	8124695.06	103.5	1209574.76	99.8	1683304.45	99.1
121	1704607-8 10X	7644920.09	101.7	1971869.09	98.9	8055717.01	102.6	1220599.75	100.7	1679145.34	98.8
122	1704607-9 10X	7845451.55	104.4	2017889.97	101.2	8181944.50	104.2	1230814.80	101.6	1714269.87	100.9
123	1704607-10 10X	7656035.93	101.9	1984549.97	99.5	8098098.39	103.1	1208849.84	99.7	1682090.03	99.0
124	1704607-11 10X	7749909.68	103.1	1998619.55	100.2	8090518.17	103.0	1219300.25	100.6	1690713.47	99.5

ISTD Table

		103 Rh (ISTD) [1]		103 Rh (ISTD) [2]		115 In (ISTD) [1]		115 In (ISTD) [2]		195 Pt (ISTD) [1]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
125	1704607-12 10X	7521493.64	100.1	1923431.48	96.4	7950975.28	101.3	1188783.73	98.1	1626036.02	95.7
126	1704607-13 10X	7474642.39	99.5	1929061.38	96.7	7902773.69	100.6	1184309.43	97.7	1655971.38	97.5
127	CCV	7729223.01	102.8	2002599.40	100.4	8166916.63	104.0	1216554.20	100.4	1734980.39	102.1
128	CCB	7907409.88	105.2	2023576.22	101.4	8259022.97	105.2	1233586.24	101.8	1774658.20	104.4
129	1704607-14 10X	7537558.85	100.3	1916451.64	96.1	7858696.30	100.1	1185495.03	97.8	1663606.38	97.9
130	1704607-15 10X	7468213.22	99.4	1927717.37	96.6	7924464.72	100.9	1189865.15	98.2	1643062.79	96.7
131	1704607-16 10X	7226661.77	96.2	1893654.71	94.9	7740300.37	98.6	1160834.71	95.8	1612241.64	94.9
132	1704607-17 10X	7479710.51	99.5	1923023.62	96.4	7871567.32	100.2	1188190.29	98.0	1653117.32	97.3
133	1704607-18 10X	7577237.18	100.8	1945654.71	97.5	8006180.11	102.0	1198001.99	98.9	1669745.13	98.3
134	1704607-19 10X	7751533.63	103.1	1999465.23	100.2	8116914.96	103.4	1213051.03	100.1	1718593.26	101.1
135	LCV	7710899.68	102.6	1978642.84	99.2	7991093.98	101.8	1195334.00	98.6	1747493.88	102.8
136	CCV	7461098.22	99.3	1943538.15	97.4	7924820.75	100.9	1184249.45	97.7	1683126.64	99.1
137	CCB	7553308.22	100.5	1964079.61	98.5	7993497.71	101.8	1202882.60	99.3	1730357.99	101.8
138	IP170525-2MB ...	7613995.72	101.3	1969261.48	98.7	8038318.06	102.4	1197462.52	98.8	1711601.90	100.7
139	IM170525-2LCS...	7537921.76	100.3	1944857.78	97.5	7893300.60	100.5	1177732.22	97.2	1684045.70	99.1
140	1704607-20 10X	7349318.22	97.8	1911493.62	95.8	7837001.83	99.8	1179665.17	97.3	1665349.25	98.0
141	1704607-21 10X	7435355.10	98.9	1903540.65	95.4	7898785.18	100.6	1185363.49	97.8	1642953.57	96.7
142	1704607-22 10X	7637650.72	101.6	1994729.61	100.0	7950451.44	101.3	1193144.78	98.5	1673285.97	98.5
143	1704607-23 10X	7362685.73	98.0	1912147.26	95.9	7795364.24	99.3	1164832.60	96.1	1632086.17	96.1
144	1705291-4 10X	7372593.22	98.1	1933375.60	96.9	7867381.31	100.2	1181009.85	97.5	1643951.38	96.8
145	1705291-4L 50X	7702986.76	102.5	1966846.54	98.6	7947003.17	101.2	1178463.75	97.2	1696939.98	99.9
146	1705291-4D 10X	7570702.81	100.7	1954660.85	98.0	7918629.05	100.8	1207975.24	99.7	1658526.17	97.6
147	1705291-4MS 10X	7701610.51	102.5	1919212.21	96.2	8058691.46	102.6	1193261.79	98.5	1647015.65	96.9
148	CCV	7533819.05	100.2	1966103.25	98.6	7982958.94	101.7	1204866.78	99.4	1726358.31	101.6
149	CCB	7651284.47	101.8	1962071.32	98.4	8073794.43	102.8	1185197.37	97.8	1731958.36	101.9
150	1705291-4MSD ...	7593102.81	101.0	1947739.35	97.6	7939886.11	101.1	1189478.28	98.2	1671680.55	98.4
151	1705291-4A 10X	7449155.51	99.1	1903531.22	95.4	7950174.29	101.2	1184393.99	97.7	1666595.44	98.1
152	LCV	7783368.63	103.6	2035378.77	102.0	8255440.39	105.1	1194554.81	98.6	1771928.93	104.3
153	CCV	7544285.10	100.4	1923290.23	96.4	7986211.72	101.7	1184387.12	97.7	1711459.56	100.7
154	CCB	7742459.68	103.0	1986704.66	99.6	8166447.14	104.0	1211837.55	100.0	1741841.85	102.5
155	IP170525-3MB ...	7753252.60	103.2	1995075.91	100.0	8018948.19	102.1	1202635.45	99.2	1709876.33	100.6

ISTD Table

		103 Rh (ISTD) [1]		103 Rh (ISTD) [2]		115 In (ISTD) [1]		115 In (ISTD) [2]		195 Pt (ISTD) [1]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
156	IM170525-3LCS...	7676465.72	102.1	1920191.12	96.3	7921247.80	100.9	1183788.49	97.7	1687131.02	99.3
157	ZZZ										
158	1705407-1 10X	7637540.72	101.6	1987497.78	99.6	8002791.16	101.9	1203307.00	99.3	1661418.05	97.8
159	1705407-2 10X	7697020.09	102.4	1981843.51	99.4	8115853.43	103.4	1210509.87	99.9	1695205.44	99.8
160	1705407-3 10X	7546125.72	100.4	1933578.36	96.9	7948541.87	101.2	1188636.25	98.1	1645999.66	96.9
161	1705454-1 10X	7813967.80	104.0	2002450.75	100.4	8007252.31	102.0	1207160.45	99.6	1717017.42	101.1
162	1705454-1L 50X	7789933.63	103.6	1974177.11	99.0	8076198.39	102.9	1191209.63	98.3	1685110.34	99.2
163	1705454-1D 10X	7806417.38	103.9	2005231.11	100.5	8112631.61	103.3	1213311.68	100.1	1695865.34	99.8
164	1705454-1MS 10X	7678355.51	102.2	1957366.59	98.1	8057138.84	102.6	1193178.86	98.5	1680950.65	98.9
165	CCV	7731957.18	102.9	1987334.35	99.6	8127426.78	103.5	1207584.36	99.6	1708417.01	100.5
166	CCB	8002187.80	106.5	2043032.62	102.4	8404508.90	107.0	1242984.14	102.6	1764252.42	103.8
167	1705454-1MSD ...	7904186.55	105.2	2024694.66	101.5	8163908.55	104.0	1205426.18	99.5	1703576.69	100.3
168	1705454-1A 10X	7717977.59	102.7	1993900.85	100.0	8026690.10	102.2	1201316.98	99.1	1656489.14	97.5
169	1705496-1 10X	7587819.68	101.0	1942916.74	97.4	7944673.46	101.2	1183807.90	97.7	1712738.62	100.8
170	1705498-1 10X	7889197.38	105.0	2026208.77	101.6	8155967.46	103.9	1230324.00	101.5	1804036.69	106.2
171	LCV	7543671.97	100.4	1970871.58	98.8	7915858.84	100.8	1156253.36	95.4	1713379.92	100.8
172	CCV	7551473.64	100.5	1949392.16	97.7	8034662.90	102.3	1190942.08	98.3	1721311.12	101.3
173	CCB	7433067.60	98.9	1913073.88	95.9	7673640.25	97.7	1170781.13	96.6	1664478.99	98.0
174	IP170524-4RBM...	7627210.30	101.5	2067773.20	103.7	8049823.35	102.5	1261843.24	104.1	1779295.03	104.7
175	IP170524-4MB ...	7836349.05	104.3	2112767.83	105.9	8417129.11	107.2	1272467.19	105.0	1829743.78	107.7
176	IM170524-4LCS...	7823077.59	104.1	2099837.68	105.3	8411851.22	107.1	1262367.63	104.2	1813244.04	106.7
177	IM170524-4LCS...	7803275.72	103.8	2060820.07	103.3	8358498.46	106.4	1253253.19	103.4	1785522.01	105.1
178	1705104-1 10X	7984924.26	106.2	2109971.01	105.8	8305422.49	105.8	1272892.03	105.0	1810360.29	106.5
179	1705104-2 10X	7960385.72	105.9	2108206.32	105.7	8321460.09	106.0	1266275.22	104.5	1835225.55	108.0
180	1705104-3 10X	7959695.30	105.9	2087021.06	104.6	8357952.37	106.4	1269021.58	104.7	1837002.78	108.1
181	LCV	8002918.63	106.5	2135909.34	107.1	8467365.99	107.8	1284107.76	106.0	1793610.60	105.6
182	CCV	7995311.13	106.4	2058762.21	103.2	8459915.84	107.7	1278225.25	105.5	1801458.20	106.0
183	CCB	7957121.97	105.9	2083609.50	104.5	8487258.27	108.1	1268496.66	104.7	1805409.51	106.3
184	FP170524-4MB...	7930728.84	105.5	2083365.44	104.4	8357370.18	106.4	1262384.31	104.2	1803917.47	106.2
185	FP170526-4MB...	8004924.88	106.5	2077566.37	104.2	8407161.00	107.1	1265367.90	104.4	1788526.43	105.3
186	IP170526-4MB ...	7993094.26	106.3	2127314.97	106.6	8337813.36	106.2	1263891.42	104.3	1804943.93	106.2

ISTD Table

		103 Rh (ISTD) [1]		103 Rh (ISTD) [2]		115 In (ISTD) [1]		115 In (ISTD) [2]		195 Pt (ISTD) [1]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
187	IM170526-4LCS...	8048591.34	107.1	2100900.59	105.3	8296622.40	105.7	1260716.56	104.0	1806016.22	106.3
188	1705474-1 10X	7835821.55	104.3	2083247.26	104.4	8389889.30	106.8	1249654.26	103.1	1777446.48	104.6
189	1705474-2 10X	7690355.30	102.3	2022811.64	101.4	8254577.45	105.1	1251708.92	103.3	1747559.87	102.9
190	1705484-1 10X	7686839.89	102.3	2030451.64	101.8	8269229.80	105.3	1254159.34	103.5	1745743.15	102.7
191	1705520-1 10X	7704153.64	102.5	2028056.06	101.7	8141265.70	103.7	1225400.60	101.1	1763964.87	103.8
192	1705520-1L 50X	7851313.63	104.5	2059278.67	103.2	8251596.57	105.1	1235642.49	102.0	1786132.73	105.1
193	1705520-1D 10X	7876790.09	104.8	2075166.74	104.0	8320436.62	106.0	1268420.24	104.7	1782132.63	104.9
194	CCV	7750377.59	103.1	2034431.06	102.0	8219554.85	104.7	1258173.15	103.8	1799165.44	105.9
195	CCB	8085651.96	107.6	2106480.59	105.6	8340667.74	106.2	1261606.21	104.1	1831430.23	107.8
196	1705520-1MS 10X	7740111.76	103.0	1994971.48	100.0	8153546.22	103.8	1224574.02	101.0	1775296.59	104.5
197	1705520-1MSD ...	7877987.59	104.8	2077470.70	104.2	8284616.51	105.5	1258317.51	103.8	1801946.28	106.1
198	1705522-1 10X	7687860.93	102.3	2013698.41	101.0	8273932.90	105.4	1244628.99	102.7	1747214.09	102.8
199	1705522-2 10X	7616106.34	101.3	2028021.06	101.7	8175799.47	104.1	1248453.78	103.0	1753534.87	103.2
200	1705530-1 10X	7849152.80	104.4	2065405.96	103.5	8435381.33	107.4	1264297.60	104.3	1787085.44	105.2
201	1705531-1 10X	7808971.13	103.9	2077793.41	104.2	8337374.25	106.2	1254085.67	103.5	1778684.40	104.7
202	LCV	7921109.47	105.4	2073599.14	104.0	8321614.95	106.0	1246826.16	102.9	1802826.75	106.1
203	CCV	7848809.68	104.4	2035550.44	102.0	8242978.78	105.0	1235922.49	102.0	1761565.60	103.7
204	CCB	7978395.71	106.2	2098669.14	105.2	8484923.28	108.1	1268986.39	104.7	1794893.88	105.6
205	IP170526-2MB ...	8033431.96	106.9	2111607.10	105.9	8513140.99	108.4	1268195.02	104.6	1821211.43	107.2
206	IM170526-2LCS...	7909535.72	105.2	2073379.66	103.9	8269855.04	105.3	1239272.13	102.3	1799135.08	105.9
207	1705097-2 10X	7891886.13	105.0	2065135.70	103.5	8293056.63	105.6	1252257.74	103.3	1778866.12	104.7
208	1705097-2L 50X	7857376.97	104.5	2051877.94	102.9	8255073.87	105.1	1248862.87	103.1	1769566.90	104.1
209	1705097-2D 10X	7754780.51	103.2	2045782.21	102.6	8239994.88	104.9	1247476.17	102.9	1751823.20	103.1
210	1705097-2MS 10X	7726397.18	102.8	2004857.52	100.5	8204361.13	104.5	1243045.22	102.6	1755465.70	103.3
211	1705097-2MSD ...	7766638.84	103.3	2059501.27	103.2	8205567.44	104.5	1239679.29	102.3	1774760.45	104.5
212	1705097-2A 10X	7823952.39	104.1	2064192.83	103.5	8307308.33	105.8	1236621.04	102.0	1775104.50	104.5
213	1705223-2 10X	7997468.63	106.4	2092422.94	104.9	8350078.43	106.3	1271974.06	105.0	1776549.40	104.6
214	1705324-2 10X	8073555.71	107.4	2081735.07	104.4	8395542.39	106.9	1270441.34	104.8	1801688.36	106.0
215	CCV	8224688.84	109.4	2114524.87	106.0	8588975.81	109.4	1279851.24	105.6	1823027.11	107.3
216	CCB	8295562.17	110.4	2148518.66	107.7	8706797.99	110.9	1296633.58	107.0	1809180.03	106.5
217	1705362-2 10X	7951879.67	105.8	2100941.69	105.3	8460485.83	107.7	1264318.30	104.3	1760544.30	103.6

ISTD Table

		103 Rh (ISTD) [1]		103 Rh (ISTD) [2]		115 In (ISTD) [1]		115 In (ISTD) [2]		195 Pt (ISTD) [1]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
218	1705489-2 10X	8005984.67	106.5	2075936.01	104.1	8477330.22	108.0	1253938.72	103.5	1756211.17	103.4
219	1705489-4 10X	7954034.47	105.8	2085388.88	104.5	8318055.77	105.9	1261500.17	104.1	1762880.50	103.8
220	1705514-1 10X	8047983.42	107.1	2100378.82	105.3	8453076.27	107.7	1267102.90	104.6	1797172.11	105.8
221	1705514-2 10X	8082056.96	107.5	2075158.25	104.0	8462196.38	107.8	1255073.43	103.6	1771448.05	104.3
222	1705514-3 10X	8165790.50	108.6	2093102.99	104.9	8584833.96	109.3	1272036.14	105.0	1790185.29	105.4
223	LCV	8254829.04	109.8	2113763.20	106.0	8664644.19	110.3	1278265.75	105.5	1829403.67	107.7
224	CCV	8007014.25	106.5	2072311.95	103.9	8399731.55	107.0	1254761.12	103.5	1793138.72	105.5
225	CCB	8201816.34	109.1	2114750.65	106.0	8592977.28	109.4	1283227.55	105.9	1816036.64	106.9
226	IP170526-1MB ...	8223450.92	109.4	2136989.40	107.1	8515408.64	108.4	1273576.54	105.1	1825172.58	107.4
227	IM170526-1LCS...	8177951.55	108.8	2132054.71	106.9	8406166.75	107.1	1268558.51	104.7	1824078.57	107.4
228	1704512-3 10X	7882190.09	104.9	2061823.46	103.4	8342939.90	106.3	1256049.25	103.6	1783160.76	104.9
229	1705410-1 10X	8104909.46	107.8	2077719.50	104.2	8606211.69	109.6	1270118.16	104.8	1779438.10	104.7
230	1705410-1L 50X	7994613.42	106.4	2089024.97	104.7	8371358.12	106.6	1260797.84	104.0	1775801.01	104.5
231	1705410-1D 10X	7778940.72	103.5	2026500.86	101.6	8315774.95	105.9	1247126.36	102.9	1749997.48	103.0
232	1705410-1MS 10X	7749386.13	103.1	2035666.17	102.1	8214745.21	104.6	1244420.01	102.7	1770297.16	104.2
233	1705410-1MSD ...	7831748.84	104.2	2038558.41	102.2	8201623.50	104.5	1225687.25	101.1	1763728.57	103.8
234	1705410-3 10X	7680340.30	102.2	2043863.15	102.5	8161447.60	103.9	1233142.37	101.8	1760096.22	103.6
235	LCV	8121584.88	108.1	2087260.85	104.6	8353473.08	106.4	1248865.28	103.1	1807364.61	106.4
236	CCV	7831915.30	104.2	2046348.36	102.6	8334860.30	106.1	1250563.75	103.2	1801576.12	106.0
237	CCB	8073858.00	107.4	2102821.27	105.4	8378898.92	106.7	1256093.26	103.6	1828784.71	107.6

ISTD Table

		195 Pt (ISTD) [2]		209 Bi (ISTD) [1]		209 Bi (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
1	blank	275088.89	100.0	5407684.30	100.0	1483111.28	100.0
2	blank	300136.69	100.0	5857168.04	100.0	1682159.92	100.0
3	blank	295192.41	100.0	5741328.04	100.0	1672400.23	100.0
4	blank	298864.81	100.0	5680949.71	100.0	1646266.64	100.0
5	H/1000						
6	H/100	302986.58	101.4	5843611.79	102.9	1679098.42	102.0
7	H/10	295508.50	98.9	5755923.66	101.3	1656303.88	100.6
8	HIGH	283500.98	94.9	5321471.80	93.7	1495421.85	90.8
9	ICV	292772.27	98.0	5562852.21	97.9	1560639.35	94.8
10	ICB	290628.44	97.2	5512065.75	97.0	1573214.30	95.6
11	LIV	289179.32	96.8	5550712.00	97.7	1566826.90	95.2
12	ICSA	285192.77	95.4	5747401.16	101.2	1521909.61	92.4
13	ICSAB	287885.63	96.3	5637783.87	99.2	1546971.38	94.0
14	CCV	302248.20	101.1	5919070.74	104.2	1667624.56	101.3
15	CCB	302111.00	101.1	5840925.33	102.8	1671700.03	101.5
16	IP170523-1MB ...	301149.72	100.8	5851337.62	103.0	1694603.88	102.9
17	IM170523-1LCS...	299821.79	100.3	5714513.46	100.6	1672391.23	101.6
18	1705095-1 1000X	296243.44	99.1	5583665.12	98.3	1589857.32	96.6
19	1705158-1 10X	295136.11	98.8	5663644.29	99.7	1563437.53	95.0
20	1705158-1L 50X	299840.28	100.3	5696251.16	100.3	1664551.33	101.1
21	1705158-1D 10X	294994.52	98.7	5585752.00	98.3	1588820.76	96.5
22	1705158-1MS 10X	292535.89	97.9	5532718.25	97.4	1570212.79	95.4
23	1705158-1MSD ...	291483.79	97.5	5450421.58	95.9	1557314.77	94.6
24	1705177-1 1000X	298382.79	99.8	5780261.16	101.7	1691292.06	102.7
25	1705177-2 1000X	298324.76	99.8	5797014.91	102.0	1635104.30	99.3
26	CCV	300787.31	100.6	5744080.33	101.1	1663455.76	101.0
27	CCB	303027.71	101.4	5805978.87	102.2	1693503.98	102.9
28	1705177-3 1000X	299113.30	100.1	5735386.37	101.0	1649987.47	100.2
29	1705202-1 100X	290299.24	97.1	5528428.67	97.3	1595989.25	96.9
30	1705203-1 10X	271375.21	90.8	5051635.45	88.9	1415435.14	86.0
31	1705212-1 10X	292914.48	98.0	5718555.33	100.7	1597814.66	97.1

ISTD Table

		195 Pt (ISTD) [2]		209 Bi (ISTD) [1]		209 Bi (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
32	1705212-2 10X	298459.31	99.9	5604857.21	98.7	1665078.20	101.1
33	1705212-3 10X	292719.57	97.9	5586330.54	98.3	1644320.39	99.9
34	1705240-1 10X	299259.33	100.1	5736312.62	101.0	1669174.19	101.4
35	1705242-1 10X	292046.43	97.7	5651266.79	99.5	1616078.25	98.2
36	1705243-1 10X	288257.51	96.5	5443737.00	95.8	1554347.16	94.4
37	1705369-1 10X	282255.06	94.4	5325337.84	93.7	1504240.71	91.4
38	CCV	302774.13	101.3	5807674.71	102.2	1692131.43	102.8
39	CCB	302941.96	101.4	5897003.04	103.8	1703339.35	103.5
40	1705369-3 10X	299920.87	100.4	5797775.33	102.1	1650631.59	100.3
41	1705376-1 10X	279602.97	93.6	5277699.61	92.9	1465497.53	89.0
42	1705376-3 10X	274974.10	92.0	5123979.09	90.2	1445884.35	87.8
43	1705376-5 10X	281218.78	94.1	5243859.92	92.3	1470479.67	89.3
44	1705376-7 10X	278355.67	93.1	5221478.15	91.9	1473061.44	89.5
45	1705380-1 1000X	302760.76	101.3	5721682.83	100.7	1661628.10	100.9
46	CCV	302861.96	101.3	5854046.16	103.0	1684557.42	102.3
47	CCB	304352.53	101.8	6011526.79	105.8	1703291.12	103.5
48	IP170523-3MB ...	301309.28	100.8	5866379.29	103.3	1704071.43	103.5
49	IM170523-3LCS...	301121.96	100.8	5746084.70	101.1	1666368.36	101.2
50	1705389-1 10X	303369.18	101.5	5865200.33	103.2	1697465.39	103.1
51	1705349-2 10X	303856.30	101.7	5836872.41	102.7	1667080.23	101.3
52	LCV	279098.86	93.4	5403835.34	95.1	1480104.41	89.9
53	CCV	299680.05	100.3	5666408.46	99.7	1648927.68	100.2
54	CCB	291794.57	97.6	5702148.66	100.4	1588263.26	96.5
55	1705460-1 100X	288720.16	96.6	5629551.38	99.1	1553617.53	94.4
56	1705460-2 100X	305911.62	102.4	5741607.62	101.1	1624484.40	98.7
57	1705461-1 100X	303480.24	101.5	5880429.50	103.5	1653806.33	100.5
58	1705461-2 100X	295468.37	98.9	5643035.96	99.3	1567415.81	95.2
59	1705462-1 100X	303446.79	101.5	5782260.12	101.8	1674477.89	101.7
60	1705462-2 100X	304967.06	102.0	5888661.16	103.7	1674646.38	101.7
61	1705462-3 100X	300511.68	100.6	5756810.75	101.3	1655953.67	100.6
62	1705462-4 100X	303421.21	101.5	5782748.46	101.8	1670908.72	101.5

ISTD Table

		195 Pt (ISTD) [2]		209 Bi (ISTD) [1]		209 Bi (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
63	1705462-5 100X	303511.95	101.6	5765702.83	101.5	1667700.44	101.3
64	1705462-6 100X	303156.23	101.4	5756128.46	101.3	1667213.88	101.3
65	CCV	301062.86	100.7	5771295.96	101.6	1667224.35	101.3
66	CCB	307410.38	102.9	5819798.04	102.4	1695709.40	103.0
67	1705462-7 100X	300933.86	100.7	5627167.83	99.1	1649236.02	100.2
68	1705462-8 100X	302398.06	101.2	5679408.46	100.0	1650540.39	100.3
69	1705462-9 100X	306304.16	102.5	5859596.37	103.1	1697478.83	103.1
70	1705462-10 100X	304137.83	101.8	5828983.04	102.6	1641704.97	99.7
71	ZZZ						
72	CCV	302479.75	101.2	5819616.58	102.4	1691194.14	102.7
73	CCB	305974.53	102.4	5981348.66	105.3	1704005.91	103.5
74	IP170524-6MB ...	305105.29	102.1	5833768.04	102.7	1719132.47	104.4
75	IM170524-6LCS...	300836.23	100.7	5657224.71	99.6	1657596.95	100.7
76	1705277-22 10X	305119.82	102.1	5856297.41	103.1	1720060.76	104.5
77	1705277-22L 50X	304354.64	101.8	5918168.04	104.2	1702991.44	103.4
78	1705277-22D 10X	304729.93	102.0	5913889.50	104.1	1715507.63	104.2
79	1705277-22MS ...	299475.17	100.2	5709415.33	100.5	1689091.28	102.6
80	1705277-22MSD...	297310.30	99.5	5579722.63	98.2	1659499.66	100.8
81	1705277-22A 10X	301762.34	101.0	5642777.21	99.3	1677255.08	101.9
82	1705277-23 10X	301037.39	100.7	5762719.50	101.4	1670390.44	101.5
83	1705277-24 10X	305830.49	102.3	5853522.62	103.0	1710732.58	103.9
84	CCV	300364.61	100.5	5768587.83	101.5	1656917.42	100.6
85	CCB	305762.48	102.3	5889404.70	103.7	1677698.21	101.9
86	1705277-25 10X	301601.96	100.9	5684583.46	100.1	1675469.04	101.8
87	1705277-26 10X	299841.18	100.3	5765896.16	101.5	1687443.46	102.5
88	1705277-27 10X	303063.84	101.4	5718125.54	100.7	1708226.64	103.8
89	1705277-28 10X	298166.75	99.8	5822148.66	102.5	1701564.56	103.4
90	1705277-29 10X	301231.03	100.8	5785789.08	101.8	1694854.14	103.0
91	1705277-30 10X	303378.35	101.5	5785661.37	101.8	1713639.45	104.1
92	1705277-31 10X	295970.87	99.0	5687612.42	100.1	1649370.91	100.2
93	1705277-32 10X	307129.73	102.8	5837934.91	102.8	1733563.67	105.3

ISTD Table

		195 Pt (ISTD) [2]		209 Bi (ISTD) [1]		209 Bi (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
94	1705277-33 10X	299024.42	100.1	5719254.91	100.7	1697634.82	103.1
95	1705277-34 10X	298968.08	100.0	5828818.25	102.6	1672809.09	101.6
96	CCV	300400.09	100.5	5833684.70	102.7	1677259.92	101.9
97	CCB	303388.78	101.5	5910602.83	104.0	1706025.60	103.6
98	1705277-35 10X	304872.75	102.0	5900466.58	103.9	1716317.58	104.3
99	1705277-36 10X	303388.11	101.5	5840093.66	102.8	1708613.31	103.8
100	1705277-37 10X	296961.69	99.4	5692160.13	100.2	1679477.00	102.0
101	1705277-38 10X	295738.60	99.0	5715594.29	100.6	1694767.79	102.9
102	LCV	302052.98	101.1	5862288.87	103.2	1686709.98	102.5
103	CCV	297478.03	99.5	5693834.50	100.2	1638903.94	99.6
104	CCB	297732.71	99.6	5800341.58	102.1	1670042.84	101.4
105	IP170525-1MB ...	305813.85	102.3	5741531.58	101.1	1703248.10	103.5
106	IM170525-1LCS...	302436.86	101.2	5620103.88	98.9	1662401.74	101.0
107	1704607-1 10X	301527.55	100.9	5834961.16	102.7	1689433.46	102.6
108	1704607-1L 50X	292225.26	97.8	5822821.37	102.5	1662481.07	101.0
109	1704607-1D 10X	296187.33	99.1	5665527.42	99.7	1659092.63	100.8
110	1704607-1MS 10X	295981.12	99.0	5514945.13	97.1	1640517.84	99.7
111	1704607-1MSD ...	297812.74	99.6	5599653.66	98.6	1681417.79	102.1
112	1704607-1A 10X	299867.44	100.3	5519206.79	97.2	1655005.08	100.5
113	1704607-2 10X	294079.34	98.4	5822155.75	102.5	1710698.93	103.9
114	1704607-3 10X	294197.38	98.4	5590685.75	98.4	1662169.72	101.0
115	CCV	301279.15	100.8	5773725.96	101.6	1658262.58	100.7
116	CCB	300428.87	100.5	5827870.33	102.6	1683474.09	102.3
117	1704607-4 10X	292525.38	97.9	5727012.41	100.8	1675179.40	101.8
118	1704607-5 10X	286531.54	95.9	5458090.33	96.1	1579162.63	95.9
119	1704607-6 10X	292672.07	97.9	5637077.83	99.2	1638744.25	99.5
120	1704607-7 10X	294328.51	98.5	5551180.75	97.7	1662582.16	101.0
121	1704607-8 10X	292312.05	97.8	5627789.92	99.1	1671185.86	101.5
122	1704607-9 10X	299180.87	100.1	5745529.08	101.1	1708727.84	103.8
123	1704607-10 10X	294791.05	98.6	5633174.71	99.2	1698827.63	103.2
124	1704607-11 10X	294022.89	98.4	5663247.41	99.7	1675178.83	101.8

ISTD Table

		195 Pt (ISTD) [2]		209 Bi (ISTD) [1]		209 Bi (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
125	1704607-12 10X	283494.07	94.9	5474030.96	96.4	1609626.28	97.8
126	1704607-13 10X	285689.33	95.6	5407794.08	95.2	1603679.77	97.4
127	CCV	296139.38	99.1	5838089.08	102.8	1662411.12	101.0
128	CCB	300950.57	100.7	6007282.20	105.7	1707206.17	103.7
129	1704607-14 10X	287534.91	96.2	5607274.50	98.7	1633688.05	99.2
130	1704607-15 10X	286935.70	96.0	5604494.71	98.7	1628169.72	98.9
131	1704607-16 10X	281651.00	94.2	5378815.96	94.7	1526293.62	92.7
132	1704607-17 10X	287546.07	96.2	5528451.58	97.3	1642306.95	99.8
133	1704607-18 10X	290946.59	97.4	5567802.21	98.0	1644229.46	99.9
134	1704607-19 10X	295883.00	99.0	5645095.13	99.4	1710538.10	103.9
135	LCV	296681.58	99.3	5849673.87	103.0	1645144.61	99.9
136	CCV	296122.18	99.1	5631534.08	99.1	1641202.68	99.7
137	CCB	296027.28	99.1	5800395.33	102.1	1679732.32	102.0
138	IP170525-2MB ...	294868.67	98.7	5747686.79	101.2	1696257.27	103.0
139	IM170525-2LCS...	291088.74	97.4	5495944.92	96.7	1593070.39	96.8
140	1704607-20 10X	291967.71	97.7	5474834.50	96.4	1613633.00	98.0
141	1704607-21 10X	289707.56	96.9	5610555.75	98.8	1614112.01	98.0
142	1704607-22 10X	292066.07	97.7	5666926.58	99.8	1653577.74	100.4
143	1704607-23 10X	285898.36	95.7	5411246.80	95.3	1573036.54	95.6
144	1705291-4 10X	290009.19	97.0	5555948.67	97.8	1627682.42	98.9
145	1705291-4L 50X	290039.67	97.0	5656327.42	99.6	1634936.85	99.3
146	1705291-4D 10X	290385.26	97.2	5613512.84	98.8	1606603.05	97.6
147	1705291-4MS 10X	288414.27	96.5	5488379.29	96.6	1629651.54	99.0
148	CCV	296557.21	99.2	5705572.83	100.4	1659421.43	100.8
149	CCB	289350.94	96.8	5817244.29	102.4	1632764.14	99.2
150	1705291-4MSD ...	287497.76	96.2	5574212.00	98.1	1636615.71	99.4
151	1705291-4A 10X	287950.96	96.3	5505299.71	96.9	1590399.19	96.6
152	LCV	295607.98	98.9	5821643.66	102.5	1651201.07	100.3
153	CCV	288764.55	96.6	5663887.00	99.7	1563777.84	95.0
154	CCB	295112.85	98.7	5765483.04	101.5	1663569.61	101.1
155	IP170525-3MB ...	295040.80	98.7	5685343.25	100.1	1665199.97	101.2

ISTD Table

		195 Pt (ISTD) [2]		209 Bi (ISTD) [1]		209 Bi (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
156	IM170525-3LCS...	291927.71	97.7	5508315.96	97.0	1578909.09	95.9
157	ZZZ						
158	1705407-1 10X	290830.29	97.3	5729688.04	100.9	1697714.04	103.1
159	1705407-2 10X	292765.71	98.0	5592033.67	98.4	1635943.46	99.4
160	1705407-3 10X	288760.21	96.6	5482911.58	96.5	1605887.89	97.5
161	1705454-1 10X	289820.21	97.0	5614157.00	98.8	1610544.25	97.8
162	1705454-1L 50X	286349.11	95.8	5579949.08	98.2	1552071.75	94.3
163	1705454-1D 10X	293750.02	98.3	5609608.25	98.7	1634825.13	99.3
164	1705454-1MS 10X	291726.36	97.6	5555777.42	97.8	1641724.19	99.7
165	CCV	291194.88	97.4	5636231.17	99.2	1584933.62	96.3
166	CCB	298717.33	100.0	5922980.75	104.3	1676621.54	101.8
167	1705454-1MSD ...	295558.70	98.9	5674056.58	99.9	1634554.82	99.3
168	1705454-1A 10X	296963.57	99.4	5547827.21	97.7	1599975.50	97.2
169	1705496-1 10X	288311.08	96.5	5546533.25	97.6	1608211.96	97.7
170	1705498-1 10X	324134.13	108.5	5734384.50	100.9	1693066.59	102.8
171	LCV	288797.57	96.6	5603707.21	98.6	1543104.98	93.7
172	CCV	290133.55	97.1	5646048.88	99.4	1621615.29	98.5
173	CCB	281509.93	94.2	5547711.37	97.7	1529933.94	92.9
174	IP170524-4RBM...	297939.24	99.7	6001285.12	105.6	1709174.40	103.8
175	IP170524-4MB ...	305709.17	102.3	6230960.12	109.7	1726364.92	104.9
176	IM170524-4LCS...	302655.78	101.3	6118909.70	107.7	1707073.20	103.7
177	IM170524-4LCS...	297430.22	99.5	6019477.62	106.0	1688870.44	102.6
178	1705104-1 10X	304870.97	102.0	6030175.53	106.1	1680616.17	102.1
179	1705104-2 10X	307805.63	103.0	6121392.20	107.8	1735107.73	105.4
180	1705104-3 10X	305003.57	102.1	6149842.20	108.3	1703531.17	103.5
181	LCV	306459.56	102.5	5962116.16	104.9	1684409.45	102.3
182	CCV	308398.34	103.2	5981408.66	105.3	1718536.74	104.4
183	CCB	303044.38	101.4	6059060.12	106.7	1678629.61	102.0
184	FP170524-4MB...	303300.89	101.5	5885562.20	103.6	1688211.85	102.5
185	FP170526-4MB...	301113.45	100.8	6019658.24	106.0	1690062.47	102.7
186	IP170526-4MB ...	305487.65	102.2	5918310.54	104.2	1668925.39	101.4

ISTD Table

		195 Pt (ISTD) [2]		209 Bi (ISTD) [1]		209 Bi (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
187	IM170526-4LCS...	306013.65	102.4	5911516.16	104.1	1694249.19	102.9
188	1705474-1 10X	302463.82	101.2	5894553.45	103.8	1676575.44	101.8
189	1705474-2 10X	294851.81	98.7	5825916.58	102.6	1643579.35	99.8
190	1705484-1 10X	294691.83	98.6	5824627.00	102.5	1657545.29	100.7
191	1705520-1 10X	297185.28	99.4	5795787.41	102.0	1647489.72	100.1
192	1705520-1L 50X	301812.74	101.0	5905823.66	104.0	1687903.15	102.5
193	1705520-1D 10X	305546.56	102.2	5962860.75	105.0	1713423.31	104.1
194	CCV	301533.62	100.9	5888545.12	103.7	1680403.47	102.1
195	CCB	307781.73	103.0	6005629.91	105.7	1717438.83	104.3
196	1705520-1MS 10X	297834.32	99.7	5802878.87	102.1	1616300.39	98.2
197	1705520-1MSD ...	302744.71	101.3	5936546.58	104.5	1690935.55	102.7
198	1705522-1 10X	298958.08	100.0	5891810.33	103.7	1649510.70	100.2
199	1705522-2 10X	294575.48	98.6	5772392.62	101.6	1613603.10	98.0
200	1705530-1 10X	300206.60	100.4	5849762.41	103.0	1681458.57	102.1
201	1705531-1 10X	301335.24	100.8	5919593.66	104.2	1698781.69	103.2
202	LCV	305255.98	102.1	5926553.66	104.3	1687989.40	102.5
203	CCV	298753.49	100.0	5863323.25	103.2	1660163.51	100.8
204	CCB	310135.34	103.8	6024195.75	106.0	1727549.92	104.9
205	IP170526-2MB ...	308322.72	103.2	6020995.74	106.0	1731321.17	105.2
206	IM170526-2LCS...	302923.67	101.4	5854970.33	103.1	1639658.36	99.6
207	1705097-2 10X	302769.85	101.3	5897564.29	103.8	1676284.30	101.8
208	1705097-2L 50X	295762.38	99.0	5910299.29	104.0	1653926.17	100.5
209	1705097-2D 10X	300930.21	100.7	5829197.83	102.6	1689841.64	102.6
210	1705097-2MS 10X	296066.55	99.1	5777827.42	101.7	1659487.32	100.8
211	1705097-2MSD ...	298437.59	99.9	5824231.16	102.5	1687546.69	102.5
212	1705097-2A 10X	298474.69	99.9	5818840.95	102.4	1676058.05	101.8
213	1705223-2 10X	301315.21	100.8	5882550.12	103.5	1683823.93	102.3
214	1705324-2 10X	299634.98	100.3	5903147.83	103.9	1660456.07	100.9
215	CCV	303851.50	101.7	5889668.66	103.7	1670534.56	101.5
216	CCB	308941.35	103.4	6050393.45	106.5	1719750.65	104.5
217	1705362-2 10X	300421.66	100.5	5925705.54	104.3	1696861.85	103.1

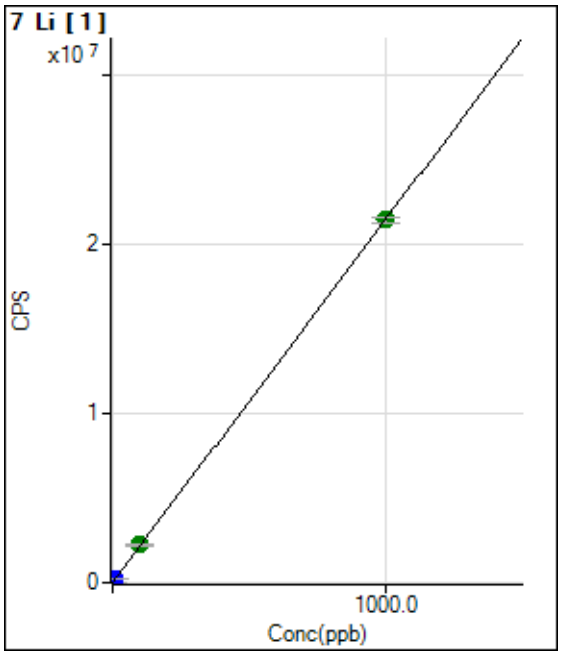
ISTD Table

		195 Pt (ISTD) [2]		209 Bi (ISTD) [1]		209 Bi (ISTD) [2]	
	Sample Name	CPS	Recovery%	CPS	Recovery%	CPS	Recovery%
218	1705489-2 10X	294528.92	98.5	5810713.87	102.3	1640687.32	99.7
219	1705489-4 10X	299508.23	100.2	5731416.79	100.9	1640204.61	99.6
220	1705514-1 10X	302222.41	101.1	5845995.74	102.9	1679669.40	102.0
221	1705514-2 10X	299712.59	100.3	5834792.21	102.7	1673537.89	101.7
222	1705514-3 10X	303672.95	101.6	5942779.50	104.6	1671196.95	101.5
223	LCV	306193.88	102.5	6005184.49	105.7	1680307.11	102.1
224	CCV	299454.60	100.2	5994568.03	105.5	1634123.15	99.3
225	CCB	305017.81	102.1	6007920.12	105.8	1672249.71	101.6
226	IP170526-1MB ...	304245.67	101.8	6017704.70	105.9	1699880.97	103.3
227	IM170526-1LCS...	305393.58	102.2	5985130.33	105.4	1676829.46	101.9
228	1704512-3 10X	300250.71	100.5	5847003.24	102.9	1642014.72	99.7
229	1705410-1 10X	300595.77	100.6	5978253.87	105.2	1684394.71	102.3
230	1705410-1L 50X	301144.07	100.8	5979823.25	105.3	1685339.46	102.4
231	1705410-1D 10X	297589.61	99.6	5936199.50	104.5	1659419.51	100.8
232	1705410-1MS 10X	295049.79	98.7	5913300.75	104.1	1643869.30	99.9
233	1705410-1MSD ...	297423.80	99.5	5919313.45	104.2	1669392.63	101.4
234	1705410-3 10X	296402.06	99.2	5899398.04	103.8	1677698.41	101.9
235	LCV	304684.59	101.9	6001770.74	105.6	1668882.37	101.4
236	CCV	304025.97	101.7	5941964.91	104.6	1688230.49	102.5
237	CCB	304393.73	101.8	6051752.83	106.5	1679093.72	102.0

Calibration for 244SMPL_17E27m00.D

Batch Folder:	C:\ICPMH\1\DATA\17E27j00.B\
Analysis File:	17E27j00.batch.xml
DA Date-Time:	5/28/2017 08:05:33
Calibration Title:	
Calibration Method:	External Calibration
VIS Interpolation Fit:	
Tune Step:	#1 nogas.u
	#2 hehe.u

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.D	blank	5/27/2017 09:36:12
2			
3	006CALS.D	H/100	5/27/2017 09:45:09
4	007CALS.D	H/10	5/27/2017 09:48:08
5	008CALS.D	HIGH	5/27/2017 09:54:02
6			



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	980.03		P	10.1
2	☐	1.0000					
3	☐	10.0000	11.3019	242968.77		P	1.5
4	☐	100.0000	103.9868	2227469.75		A	2.5
5	☐	1000.0000	999.5883	21403434.00		A	1.7
6	☐	200.0000					

y = 21411.2690 * x + 980.0333

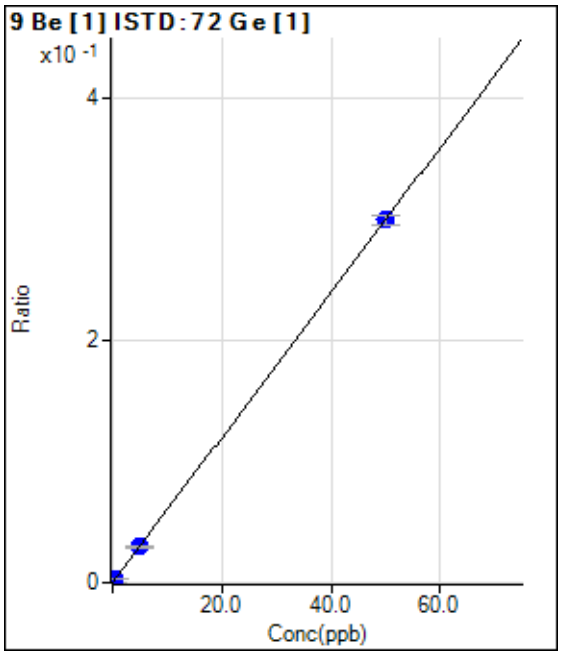
R = 1.0000

DL = 0.01385

BEC = 0.04577

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	10.67	0.0000	P	21.3
2	☐	0.0500					
3	☐	0.5000	0.5094	3827.13	0.0031	P	0.7
4	☐	5.0000	4.9489	36293.69	0.0296	P	1.9
5	☐	50.0000	50.0050	358415.08	0.2995	P	2.8
6	☐	10.0000					

y = 0.0060 * x + 8.8088E-006

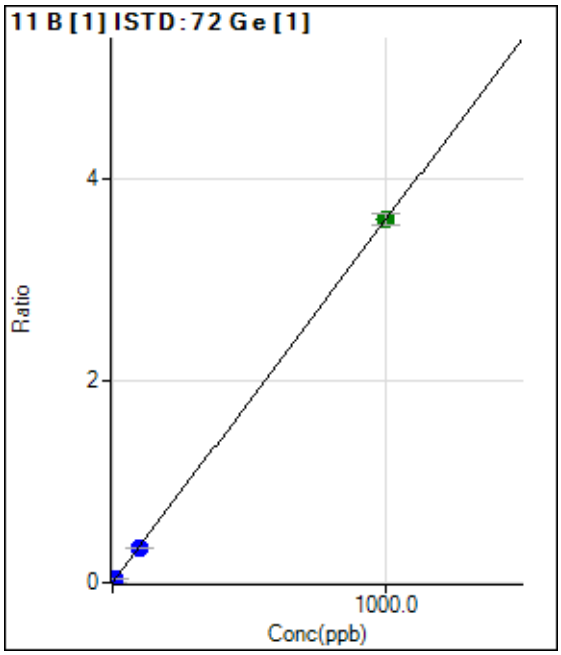
R = 1.0000

DL = 0.0009393

BEC = 0.001471

Weight: None

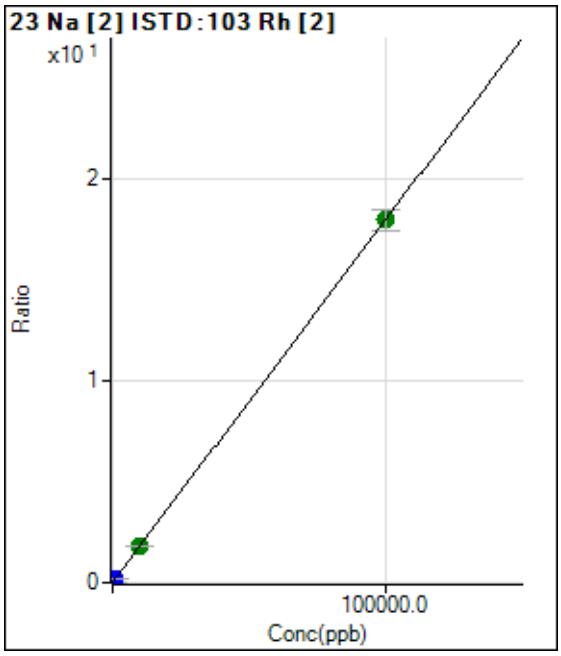
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	1563.43	0.0013	P	4.9
2	☐	1.0000					
3	☐	10.0000	10.0932	46828.44	0.0374	P	2.6
4	☐	100.0000	95.2506	419315.09	0.3425	P	1.7
5	☐	1000.0000	1000.4740	4290640.52	3.5852	A	3.3
6	☐	200.0000					

y = 0.0036 * x + 0.0013
R = 1.0000
DL = 0.05284
BEC = 0.3605

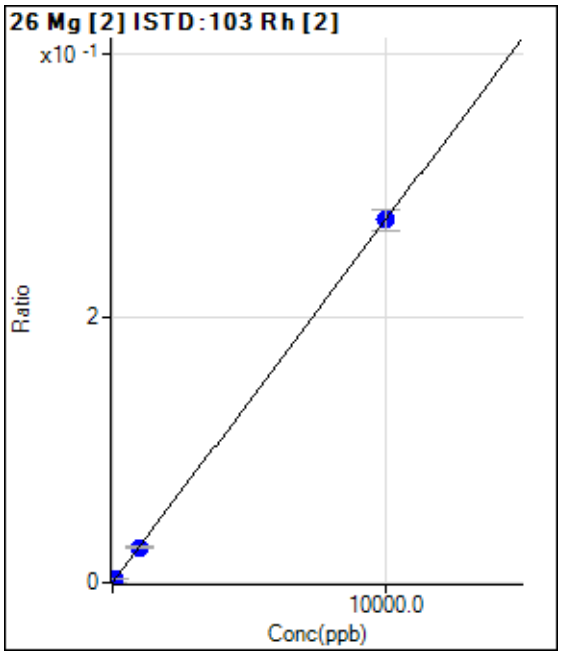
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	15998.32	0.0080	P	3.7
2	☐	100.0000					
3	☐	1000.0000	1078.7584	403176.92	0.2014	P	2.9
4	☐	10000.0000	9987.4447	3525694.95	1.7983	A	3.8
5	☐	100000.0000	100000.4679	34628087.82	17.9334	A	5.7
6	☐	20000.0000					

y = 1.7925E-004 * x + 0.0080
R = 1.0000
DL = 4.982
BEC = 44.76

Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	10.00	0.0000	P	99.7
2	☐	10.0000					
3	☐	100.0000	102.6649	5647.87	0.0028	P	2.1
4	☐	1000.0000	978.1158	52583.38	0.0268	P	2.9
5	☐	10000.0000	10002.1618	529486.08	0.2742	P	5.7
6	☐	2000.0000					

y = 2.7414E-005 * x + 5.0418E-006

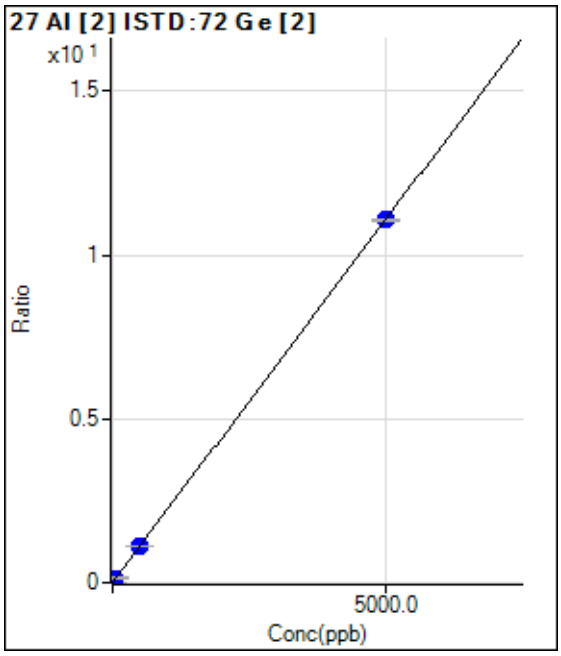
R = 1.0000

DL = 0.55

BEC = 0.1839

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	100.01	0.0012	P	34.9
2	☐	5.0000					
3	☐	50.0000	64.2045	12331.80	0.1434	P	4.8
4	☐	500.0000	503.6563	93115.51	1.1166	P	1.0
5	☐	5000.0000	4999.4923	938504.75	11.0733	P	0.7
6	☐	1000.0000					

y = 0.0022 * x + 0.0012

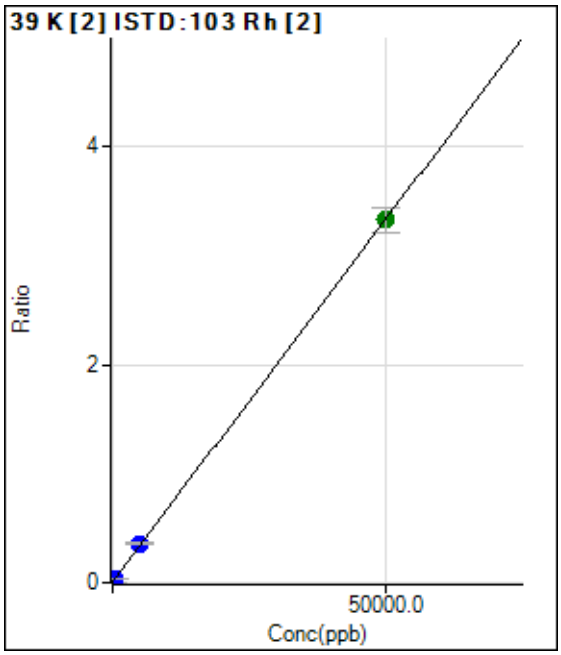
R = 1.0000

DL = 0.5667

BEC = 0.5418

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	9086.20	0.0046	P	7.0
2	☐	50.0000					
3	☐	500.0000	555.0361	82994.42	0.0415	P	4.1
4	☐	5000.0000	5330.7550	704015.56	0.3591	P	2.3
5	☐	50000.0000	49966.3741	6423943.03	3.3274	A	6.7
6	☐	10000.0000					

y = 6.6502E-005 * x + 0.0046

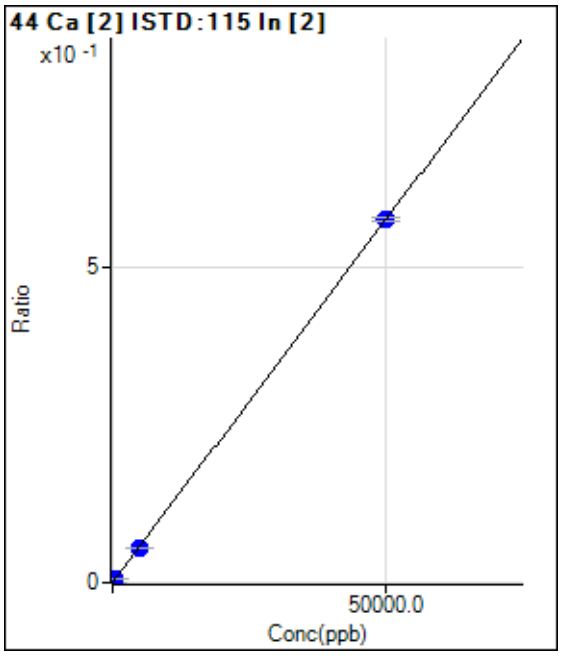
R = 1.0000

DL = 14.4

BEC = 68.47

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	74.51	0.0001	P	16.4
2	☐	50.0000					
3	☐	500.0000	500.9873	7114.22	0.0058	P	2.1
4	☐	5000.0000	4712.1147	64648.67	0.0542	P	1.3
5	☐	50000.0000	50028.7787	666615.17	0.5746	P	1.0
6	☐	10000.0000					

y = 1.1484E-005 * x + 6.1516E-005

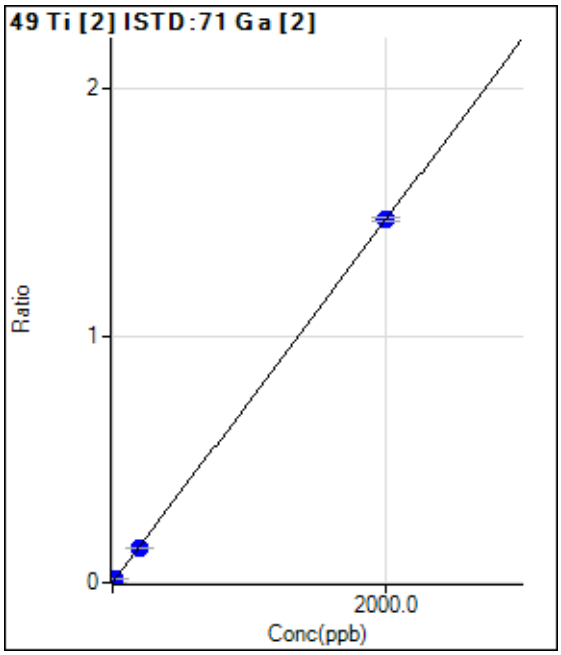
R = 1.0000

DL = 2.63

BEC = 5.357

Weight: None

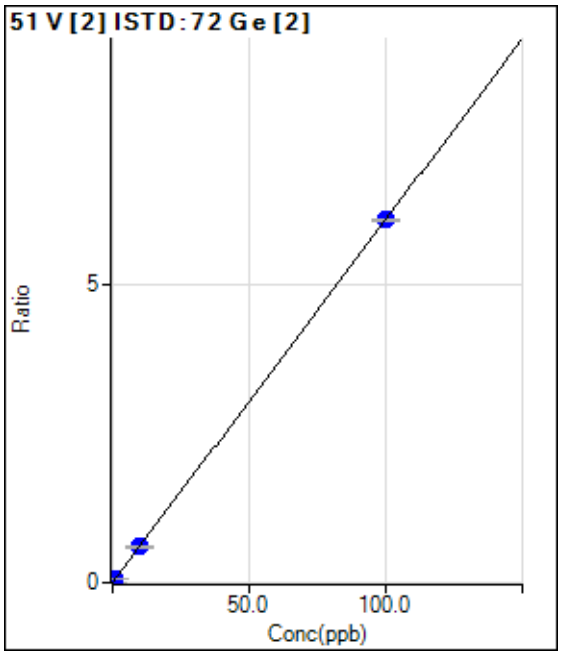
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	6.67	0.0000	P	173.2
2	☐	2.0000					
3	☐	20.0000	20.1787	2783.69	0.0149	P	7.1
4	☐	200.0000	190.9460	26058.05	0.1402	P	1.6
5	☐	2000.0000	2000.9036	268957.55	1.4691	P	0.9
6	☐	400.0000					

y = 7.3419E-004 * x + 3.5234E-005
R = 1.0000
DL = 0.2494
BEC = 0.04799

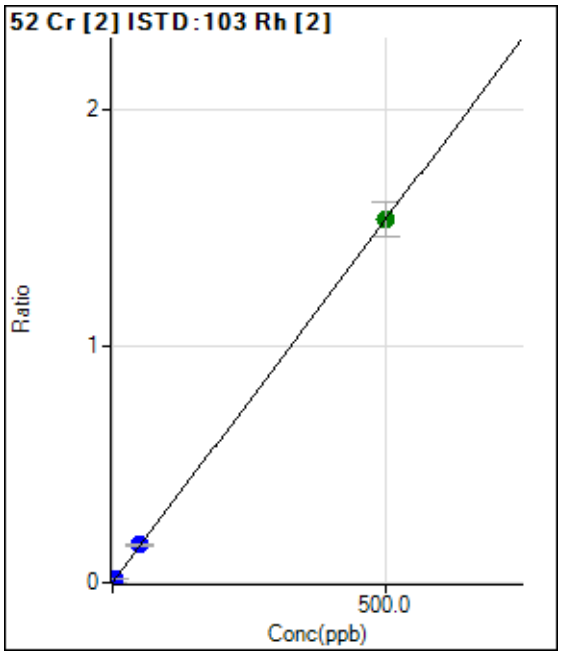
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	251.67	0.0030	P	3.1
2	☐	0.1000					
3	☐	1.0000	1.0594	5804.70	0.0675	P	2.0
4	☐	10.0000	9.8006	49950.30	0.5992	P	1.7
5	☐	100.0000	100.0193	515885.89	6.0868	P	0.7
6	☐	20.0000					

y = 0.0608 * x + 0.0030
R = 1.0000
DL = 0.004539
BEC = 0.04961

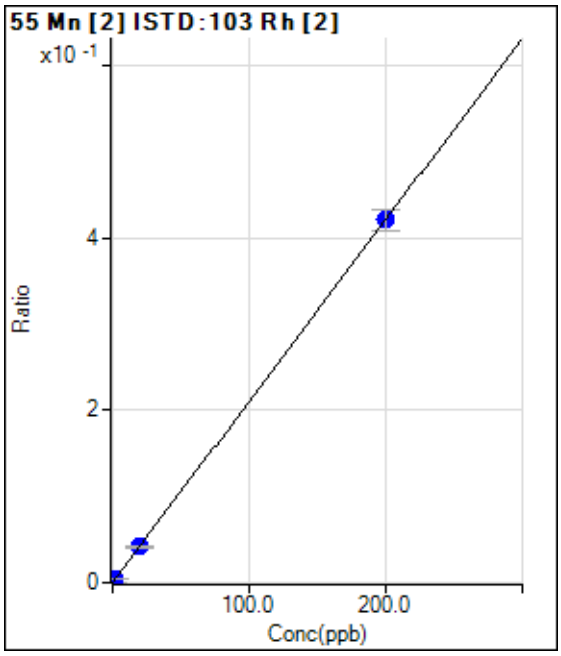
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	1448.98	0.0007	P	8.1
2	☐	0.5000					
3	☐	5.0000	5.3206	34080.87	0.0170	P	4.5
4	☐	50.0000	51.5900	311380.45	0.1588	P	2.2
5	☐	500.0000	499.8378	2954756.14	1.5323	A	9.4
6	☐	100.0000					

y = 0.0031 * x + 7.2634E-004
R = 1.0000
DL = 0.05759
BEC = 0.237

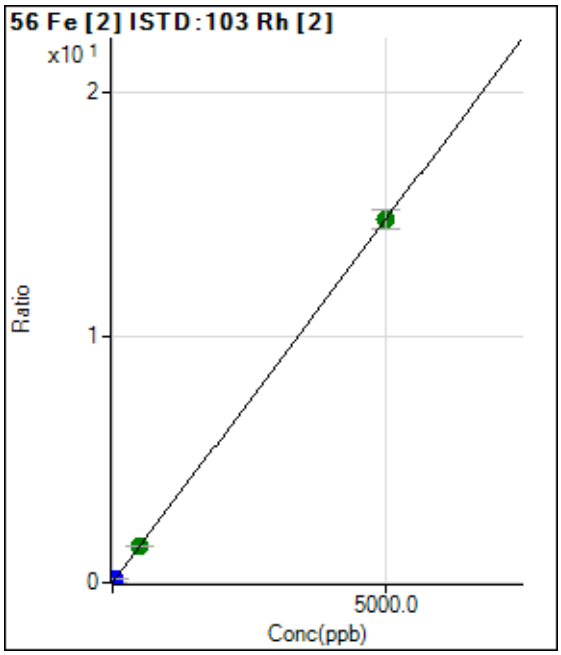
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	203.34	0.0001	P	21.5
2	☐	0.2000					
3	☐	2.0000	2.2464	9670.73	0.0048	P	3.2
4	☐	20.0000	19.6983	81504.69	0.0416	P	2.8
5	☐	200.0000	200.0277	813331.24	0.4212	P	5.6
6	☐	40.0000					

y = 0.0021 * x + 1.0197E-004
R = 1.0000
DL = 0.03129
BEC = 0.04844

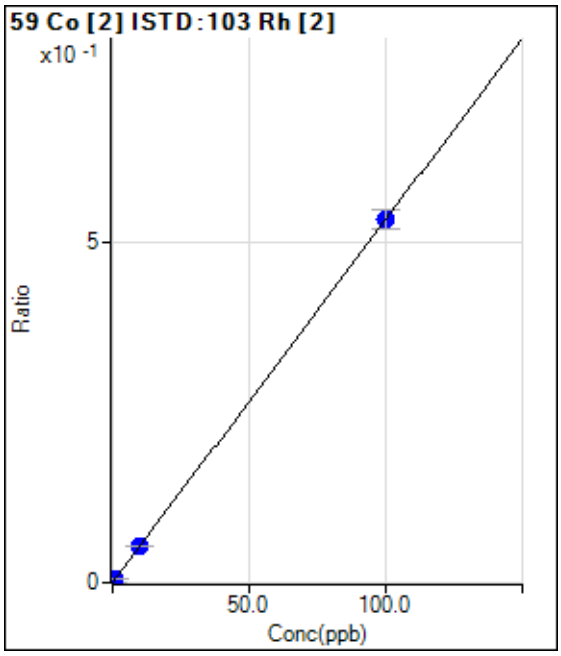
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	3887.33	0.0019	P	6.4
2	☐	5.0000					
3	☐	50.0000	58.8178	352357.38	0.1760	P	2.7
4	☐	500.0000	508.1073	2952427.35	1.5056	A	0.5
5	☐	5000.0000	4999.1011	28574908.74	14.7958	A	5.2
6	☐	1000.0000					

y = 0.0030 * x + 0.0019
R = 1.0000
DL = 0.1262
BEC = 0.6582

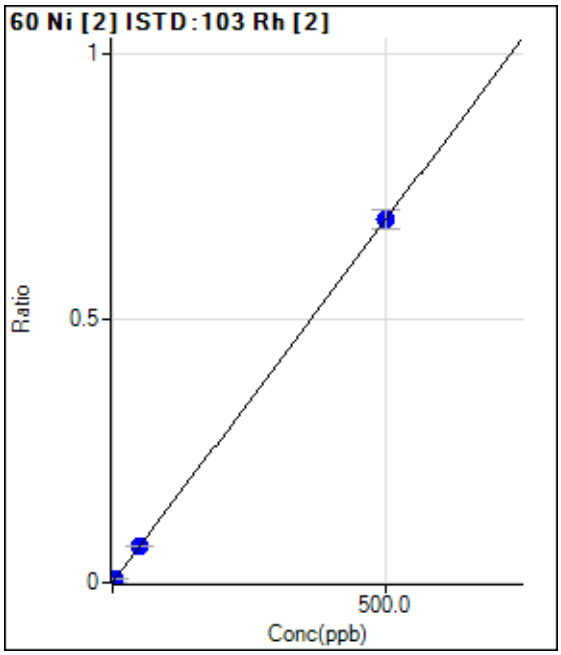
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	17.78	0.0000	P	84.9
2	☐	0.1000					
3	☐	1.0000	1.0697	11436.34	0.0057	P	4.2
4	☐	10.0000	9.9307	103858.33	0.0530	P	2.4
5	☐	100.0000	100.0062	1030021.97	0.5333	P	5.2
6	☐	20.0000					

y = 0.0053 * x + 8.8932E-006
R = 1.0000
DL = 0.004248
BEC = 0.001668

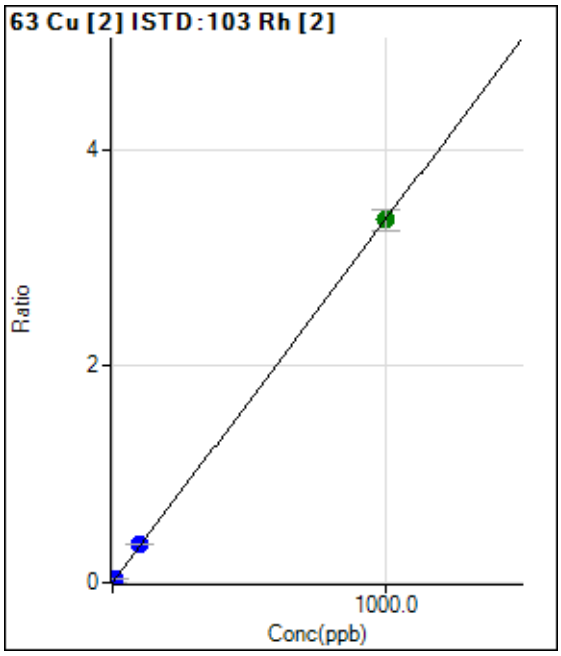
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	92.22	0.0000	P	19.4
2	☐	0.5000					
3	☐	5.0000	5.2746	14601.09	0.0073	P	1.6
4	☐	50.0000	50.4756	136024.86	0.0694	P	1.9
5	☐	500.0000	499.9497	1326195.64	0.6867	P	5.2
6	☐	100.0000					

y = 0.0014 * x + 4.6312E-005
R = 1.0000
DL = 0.01967
BEC = 0.03372

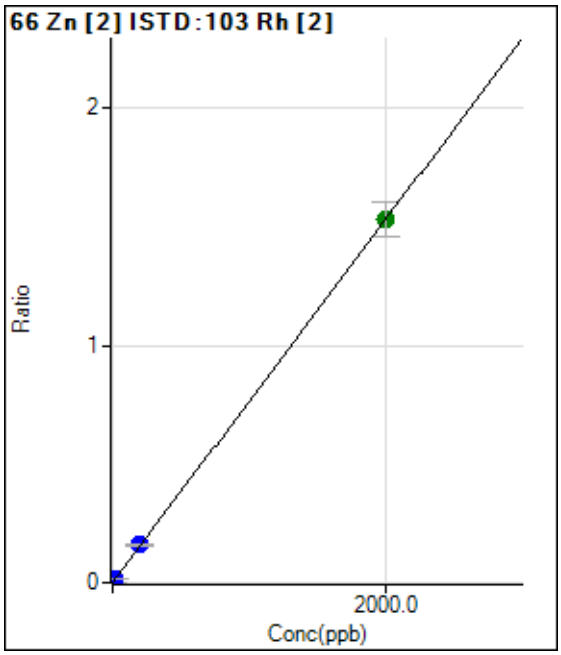
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	354.45	0.0002	P	7.5
2	☐	1.0000					
3	☐	10.0000	11.3743	76768.61	0.0383	P	2.3
4	☐	100.0000	106.3352	699961.08	0.3570	P	1.8
5	☐	1000.0000	999.3527	6474448.35	3.3534	A	6.0
6	☐	200.0000					

y = 0.0034 * x + 1.7766E-004
R = 1.0000
DL = 0.01196
BEC = 0.05295

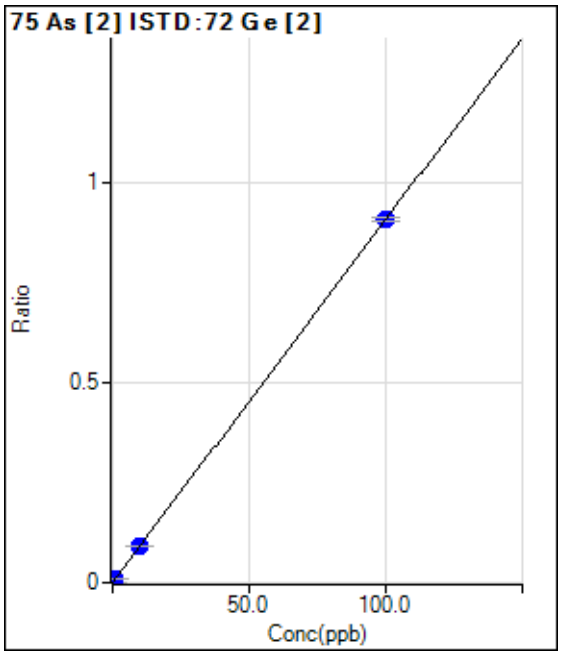
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.2642	403.35	0.0002	P	7.4
2	☐	2.0000					
3	☐	20.0000	25.6986	39365.32	0.0197	P	1.1
4	☐	200.0000	208.9292	313344.34	0.1598	P	2.7
5	☐	2000.0000	1999.0501	2948347.04	1.5291	A	9.6
6	☐	400.0000					

y = 7.6491E-004 * x
R = 1.0000
DL = 0.05842
BEC = 0

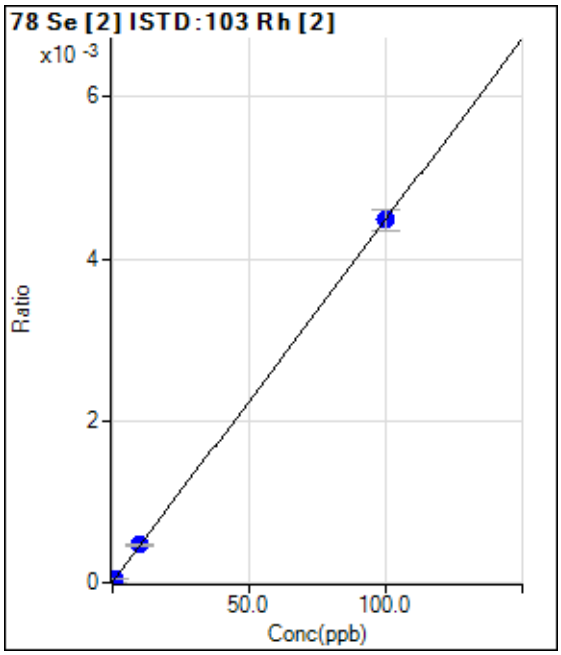
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	7.67	0.0001	P	66.9
2	☐	0.1000					
3	☐	1.0000	1.0756	845.36	0.0098	P	3.3
4	☐	10.0000	10.0782	7613.13	0.0913	P	1.1
5	☐	100.0000	99.9914	76703.95	0.9050	P	1.0
6	☐	20.0000					

y = 0.0091 * x + 9.1690E-005
R = 1.0000
DL = 0.02035
BEC = 0.01013

Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	15.60	0.0000	P	61.4
2	☐	0.1000					
3	☐	1.0000	0.8952	95.87	0.0000	P	10.8
4	☐	10.0000	10.2197	912.16	0.0005	P	4.2
5	☐	100.0000	99.9791	8654.43	0.0045	P	6.2
6	☐	20.0000					

y = 4.4757E-005 * x + 7.8232E-006

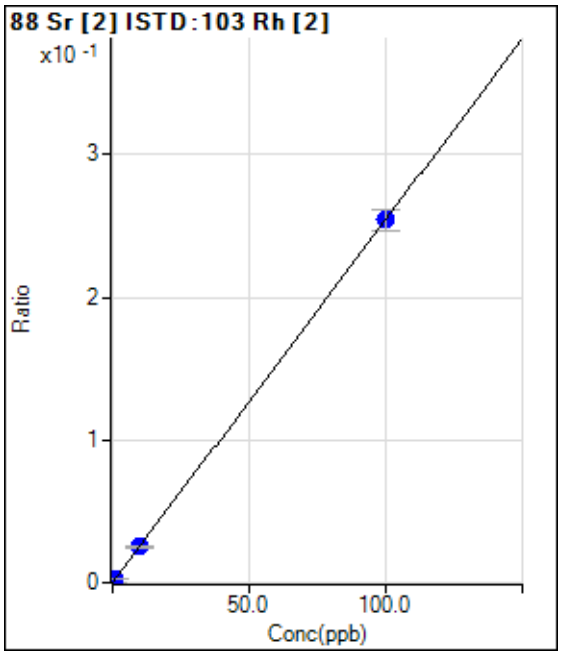
R = 1.0000

DL = 0.3217

BEC = 0.1748

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	80.00	0.0000	P	21.9
2	☐	0.1000					
3	☐	1.0000	1.1062	5711.27	0.0029	P	5.2
4	☐	10.0000	9.8170	48988.94	0.0250	P	1.6
5	☐	100.0000	100.0172	490794.94	0.2542	P	5.6
6	☐	20.0000					

y = 0.0025 * x + 4.0123E-005

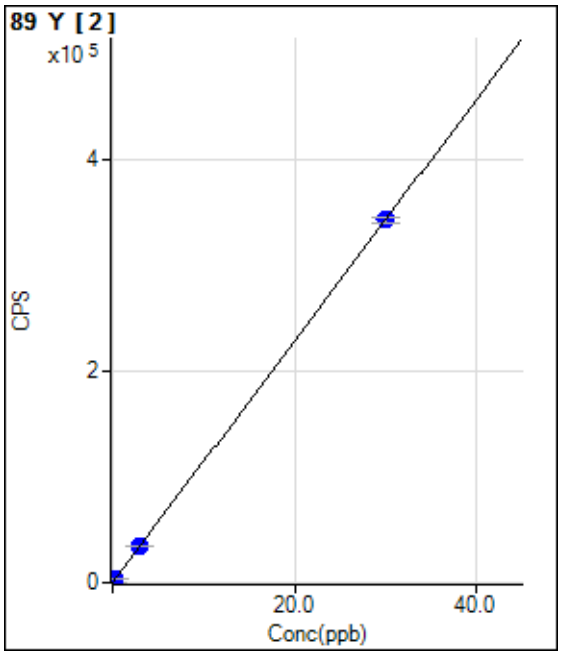
R = 1.0000

DL = 0.01038

BEC = 0.01579

Weight: None

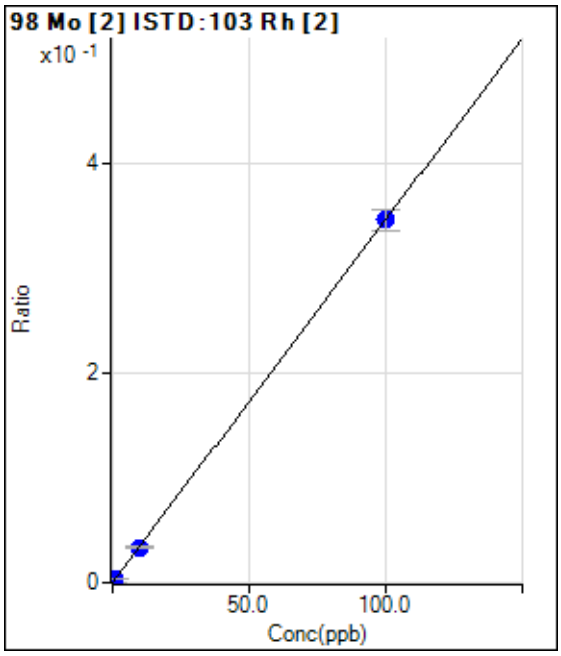
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	3.33		P	173.2
2	☐	0.0300					
3	☐	0.3000	0.3262	3733.94		P	4.5
4	☐	3.0000	2.9631	33890.46		P	1.3
5	☐	30.0000	30.0034	343137.66		P	1.3
6	☐	6.0000					

y = 11436.5029 * x + 3.3333
R = 1.0000
DL = 0.001514
BEC = 0.0002915

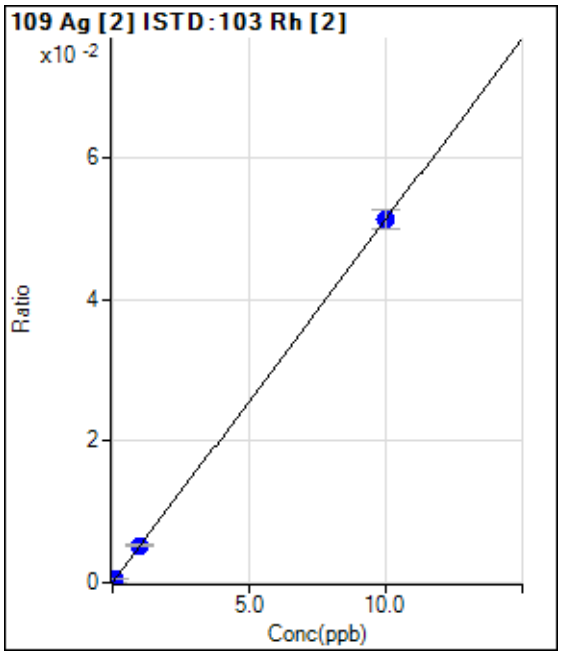
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	12.22	0.0000	P	57.0
2	☐	0.1000					
3	☐	1.0000	1.0043	6972.74	0.0035	P	2.5
4	☐	10.0000	9.7514	66206.64	0.0338	P	2.3
5	☐	100.0000	100.0248	668594.65	0.3463	P	5.9
6	☐	20.0000					

y = 0.0035 * x + 6.1406E-006
R = 1.0000
DL = 0.003035
BEC = 0.001774

Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	12.22	0.0000	P	104.2
2	☐	0.0100					
3	☐	0.1000	0.1092	1133.39	0.0006	P	3.8
4	☐	1.0000	1.0199	10263.45	0.0052	P	5.1
5	☐	10.0000	9.9979	99006.86	0.0513	P	5.1
6	☐	2.0000					

y = 0.0051 * x + 6.1672E-006

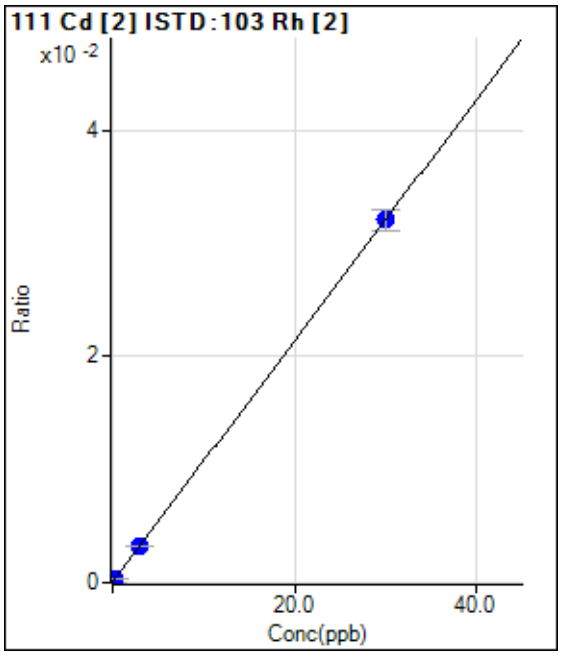
R = 1.0000

DL = 0.003762

BEC = 0.001203

Weight: None

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	77.38	0.0000	P	164.1
2	☐	0.0300					
3	☐	0.3000	0.3034	725.33	0.0004	P	9.8
4	☐	3.0000	3.0144	6382.12	0.0033	P	2.3
5	☐	30.0000	29.9985	61872.88	0.0320	P	6.1
6	☐	6.0000					

y = 0.0011 * x + 3.8274E-005

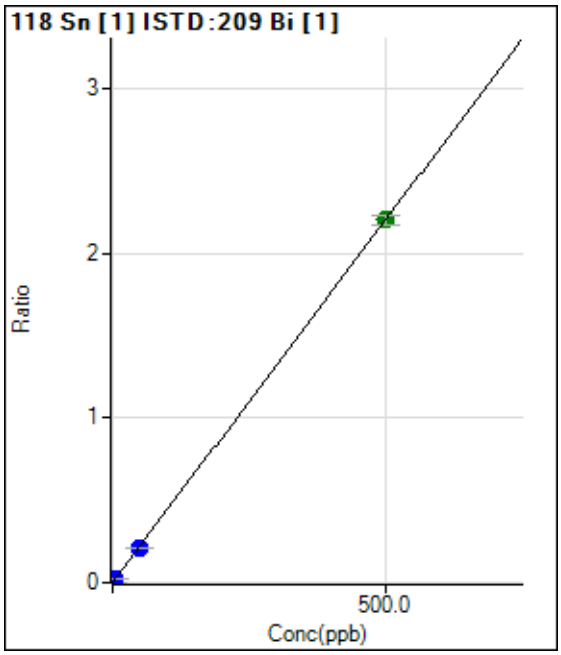
R = 1.0000

DL = 0.1765

BEC = 0.03587

Weight: None

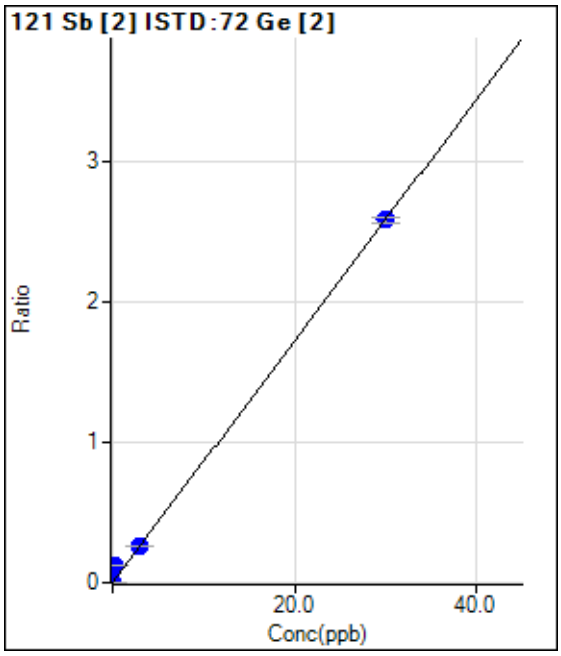
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	3277.17	0.0006	P	11.2
2	☐	0.5000					
3	☐	5.0000	5.0097	132224.66	0.0226	P	5.7
4	☐	50.0000	47.7789	1214734.62	0.2111	P	2.8
5	☐	500.0000	500.2220	11729471.91	2.2044	A	2.9
6	☐	100.0000					

y = 0.0044 * x + 5.7791E-004
R = 1.0000
DL = 0.04427
BEC = 0.1312

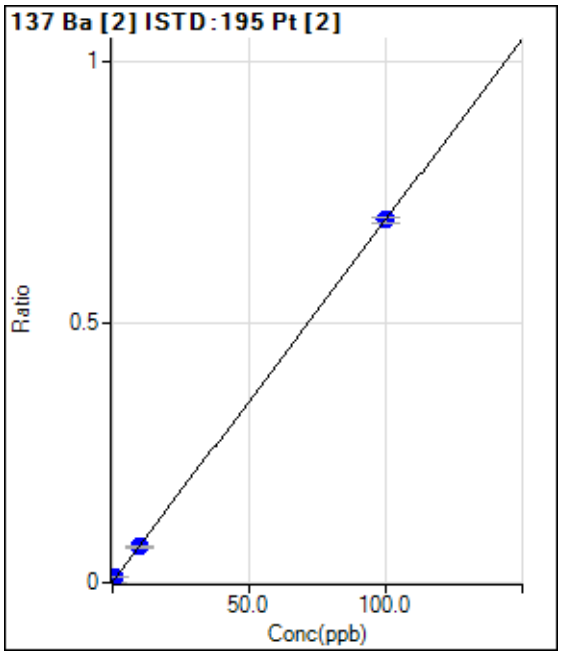
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	18.89	0.0002	P	37.6
2	☐	0.0300					
3	☐	0.3000	1.4746	10970.64	0.1275	P	1.6
4	☐	3.0000	3.0058	21651.81	0.2597	P	0.6
5	☐	30.0000	29.9877	219374.25	2.5885	P	1.4
6	☐	6.0000					

y = 0.0863 * x + 2.2690E-004
R = 0.9993
DL = 0.002964
BEC = 0.002629

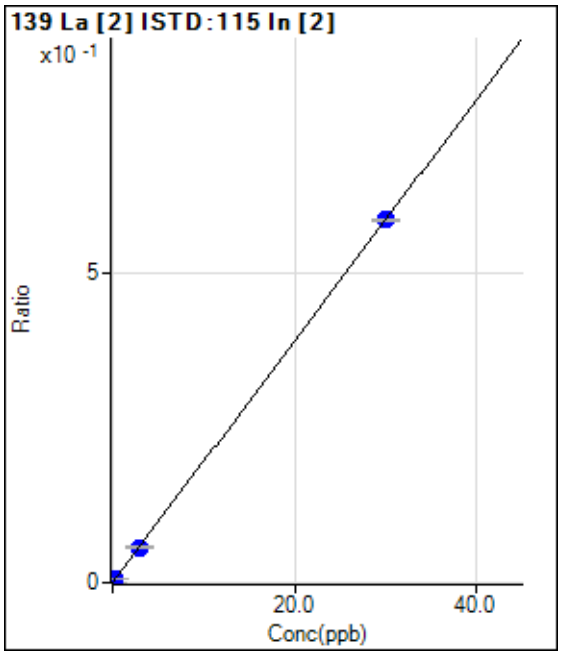
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	-0.0835	220.02	0.0007	P	43.9
2	☐	0.1000					
3	☐	1.0000	1.3738	3293.84	0.0109	P	1.9
4	☐	10.0000	9.6816	20284.02	0.0687	P	4.9
5	☐	100.0000	100.0281	197566.34	0.6970	P	1.7
6	☐	20.0000					

y = 0.0070 * x + 0.0013
R = 1.0000
DL = 0.1396
BEC = 0.1893

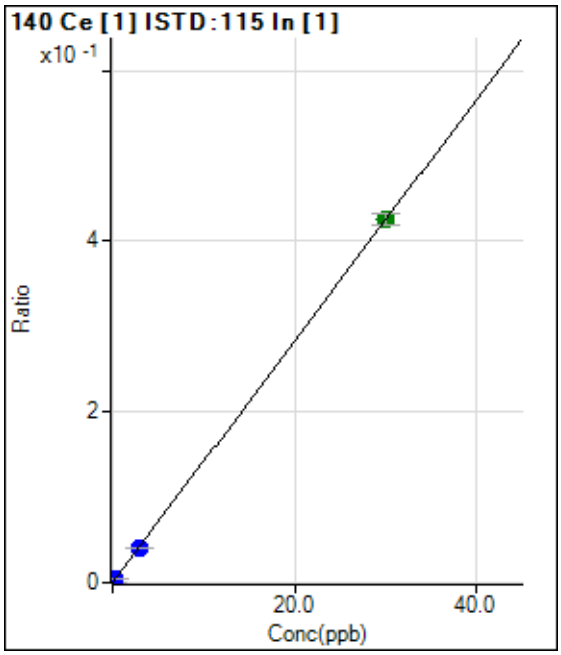
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	116.67	0.0001	P	52.4
2	☐	0.0300					
3	☐	0.3000	0.3051	7425.43	0.0061	P	4.4
4	☐	3.0000	2.9252	68469.56	0.0574	P	3.0
5	☐	30.0000	30.0074	681748.43	0.5876	P	0.3
6	☐	6.0000					

y = 0.0196 * x + 9.6351E-005
R = 1.0000
DL = 0.007736
BEC = 0.004921

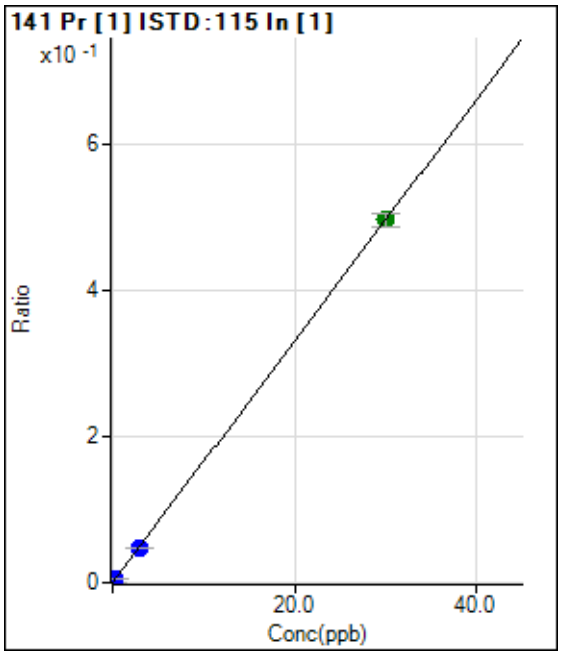
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	240.01	0.0000	P	12.7
2	☐	0.0300					
3	☐	0.3000	0.3239	38004.50	0.0046	P	3.2
4	☐	3.0000	2.8750	329391.29	0.0407	P	1.2
5	☐	30.0000	30.0123	3280215.58	0.4248	A	3.2
6	☐	6.0000					

y = 0.0142 * x + 3.0614E-005
R = 1.0000
DL = 0.0008269
BEC = 0.002163

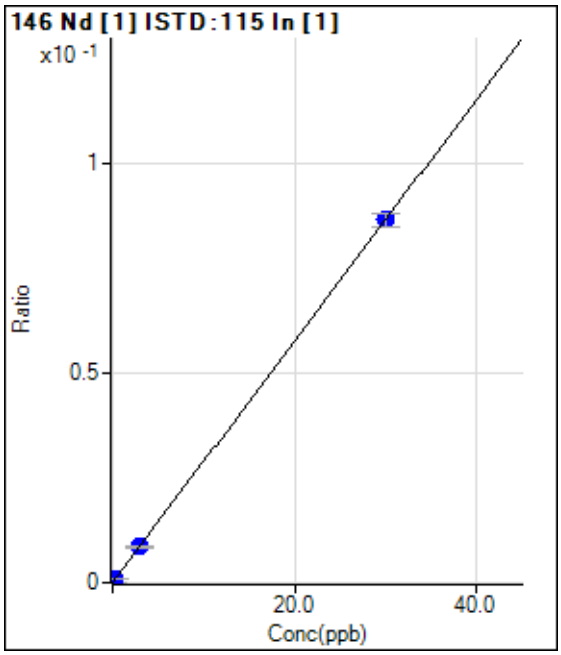
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	33.33	0.0000	P	15.8
2	☐	0.0300					
3	☐	0.3000	0.2975	40651.51	0.0049	P	2.1
4	☐	3.0000	2.8884	387382.51	0.0479	P	1.2
5	☐	30.0000	30.0112	3842160.78	0.4975	A	3.7
6	☐	6.0000					

y = 0.0166 * x + 4.2391E-006
R = 1.0000
DL = 0.000121
BEC = 0.0002557

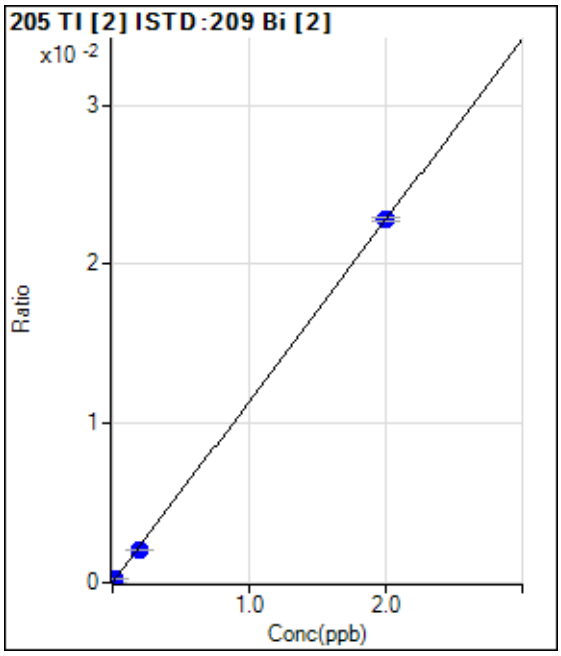
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	3.33	0.0000	P	173.2
2	☐	0.0300					
3	☐	0.3000	0.3094	7342.11	0.0009	P	6.1
4	☐	3.0000	2.9621	69036.28	0.0085	P	3.8
5	☐	30.0000	30.0037	667481.80	0.0864	P	3.5
6	☐	6.0000					

y = 0.0029 * x + 4.2213E-007
R = 1.0000
DL = 0.0007614
BEC = 0.0001465

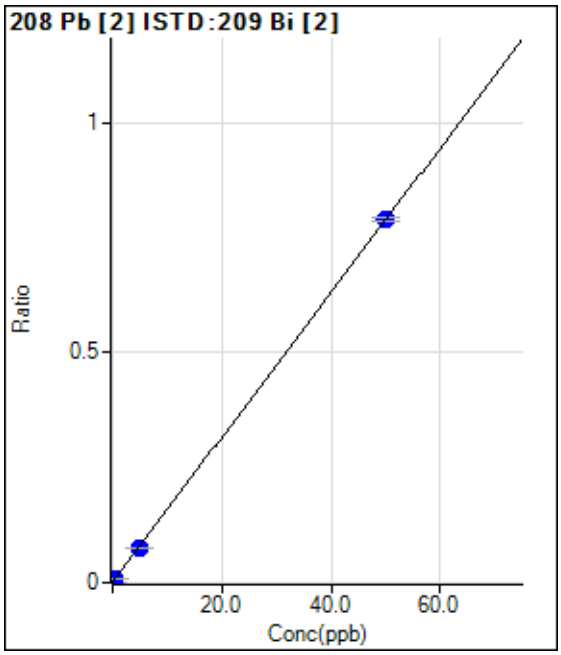
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	15.72	0.0000	P	41.6
2	☐	0.0020					
3	☐	0.0200	0.0201	400.96	0.0002	P	10.7
4	☐	0.2000	0.1834	3470.90	0.0021	P	1.2
5	☐	2.0000	2.0017	34064.74	0.0228	P	1.2
6	☐	0.4000					

y = 0.0114 * x + 9.5379E-006
R = 1.0000
DL = 0.001047
BEC = 0.0008385

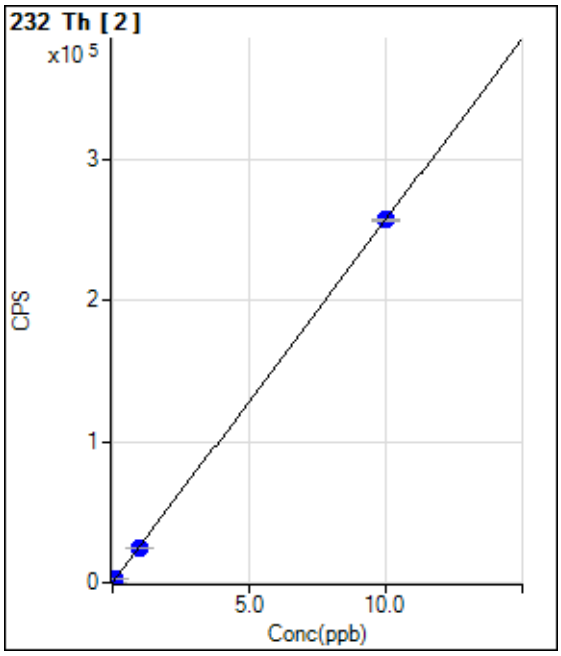
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	1725.16	0.0010	P	2.2
2	☐	0.0500					
3	☐	0.5000	0.5128	15303.97	0.0091	P	1.5
4	☐	5.0000	4.6971	124227.39	0.0750	P	1.5
5	☐	50.0000	50.0302	1182053.47	0.7889	P	1.0
6	☐	10.0000					

y = 0.0157 * x + 0.0010
R = 1.0000
DL = 0.004387
BEC = 0.06598

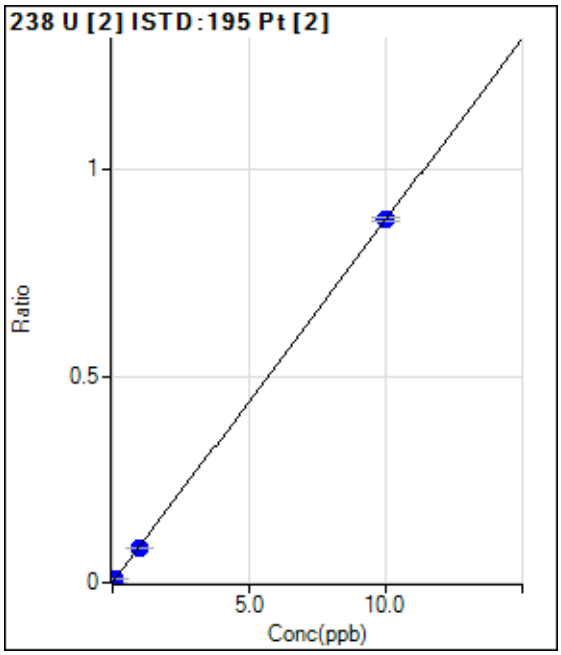
Weight: None
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	17.78		P	78.1
2	☐	0.0100					
3	☐	0.1000	0.0902	2334.67		P	1.6
4	☐	1.0000	0.9711	24949.42		P	1.8
5	☐	10.0000	10.0030	256842.61		P	0.4
6	☐	2.0000					

y = 25674.8015 * x + 17.7767
R = 1.0000
DL = 0.001621
BEC = 0.0006924

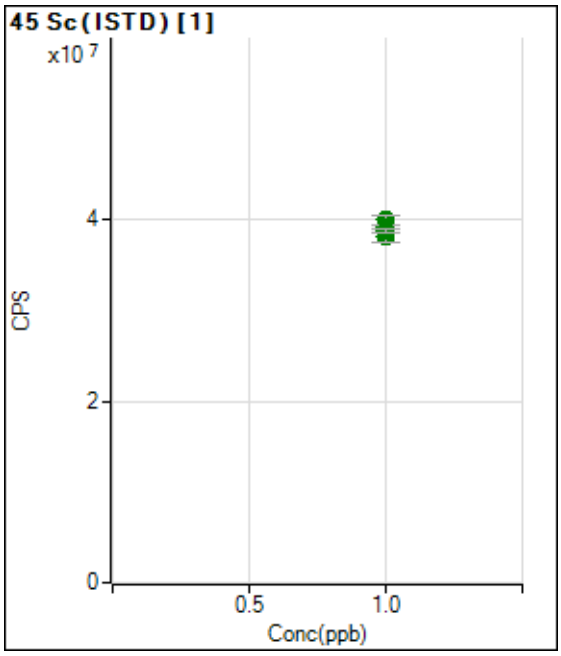
Weight: None
Min Conc: <None>



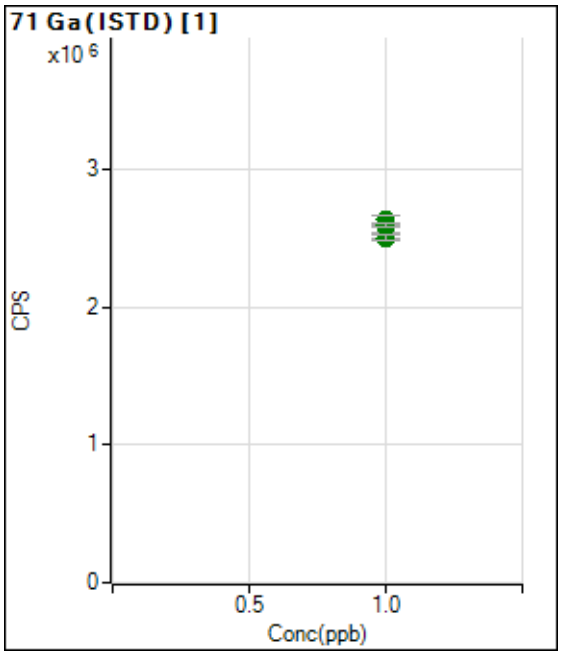
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.0000	0.0000	12.22	0.0000	P	15.0
2	☐	0.0100					
3	☐	0.1000	0.0984	2630.28	0.0087	P	0.4
4	☐	1.0000	0.9728	25253.31	0.0855	P	0.4
5	☐	10.0000	10.0027	249003.91	0.8783	P	0.9
6	☐	2.0000					

y = 0.0878 * x + 4.0855E-005
R = 1.0000
DL = 0.0002094
BEC = 0.0004653

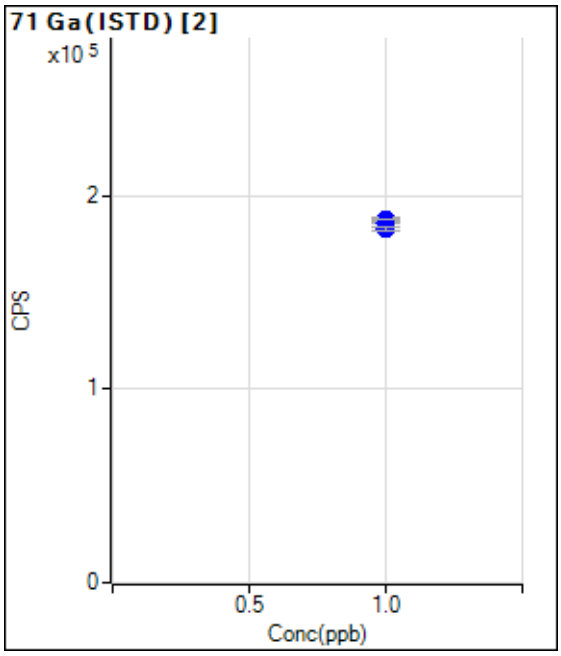
Weight: None
Min Conc: <None>



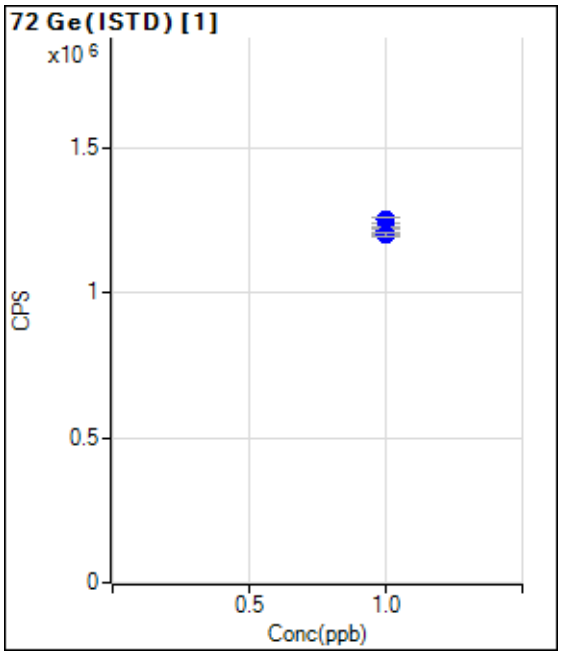
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.0000		38029083.60		A	2.9
2	☐	1.0000					
3	☐	1.0000		39934153.57		A	3.0
4	☐	1.0000		39205868.58		A	1.2
5	☐	1.0000		38720517.76		A	1.5
6	☐	1.0000					



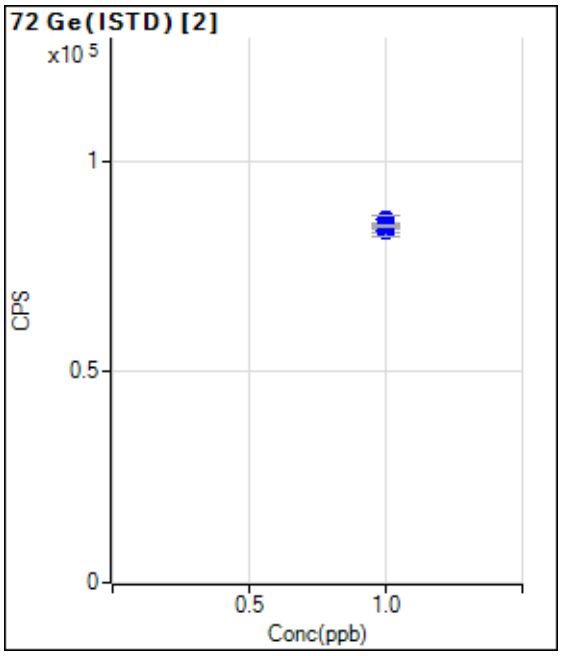
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.0000		2524708.66		A	1.7
2	☐	1.0000					
3	☐	1.0000		2636742.72		A	2.4
4	☐	1.0000		2601336.47		A	0.8
5	☐	1.0000		2506617.05		A	1.3
6	☐	1.0000					



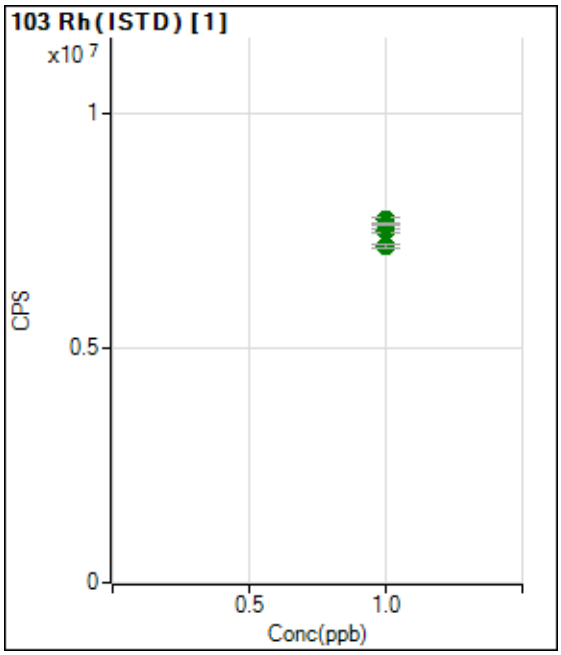
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.0000		187233.78		P	1.0
2	☐	1.0000					
3	☐	1.0000		187533.16		P	1.1
4	☐	1.0000		185872.67		P	2.6
5	☐	1.0000		183088.59		P	1.1
6	☐	1.0000					



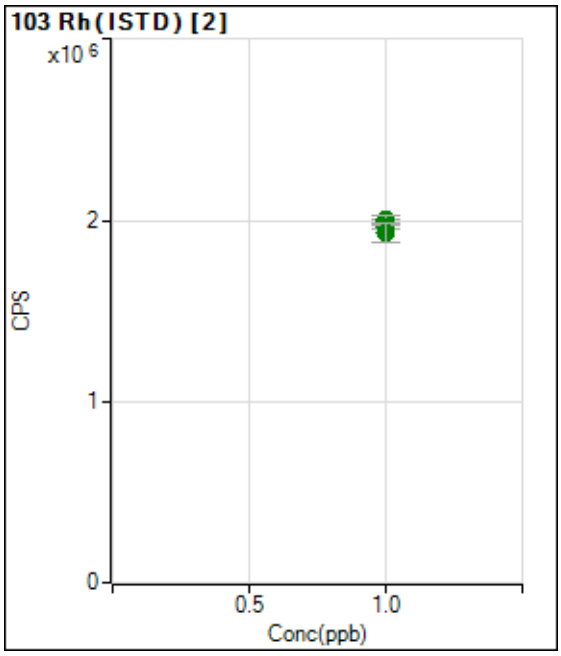
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.0000		1210203.94		P	1.4
2	☐	1.0000					
3	☐	1.0000		1250816.70		P	1.5
4	☐	1.0000		1224266.29		P	0.4
5	☐	1.0000		1197046.78		P	1.1
6	☐	1.0000					



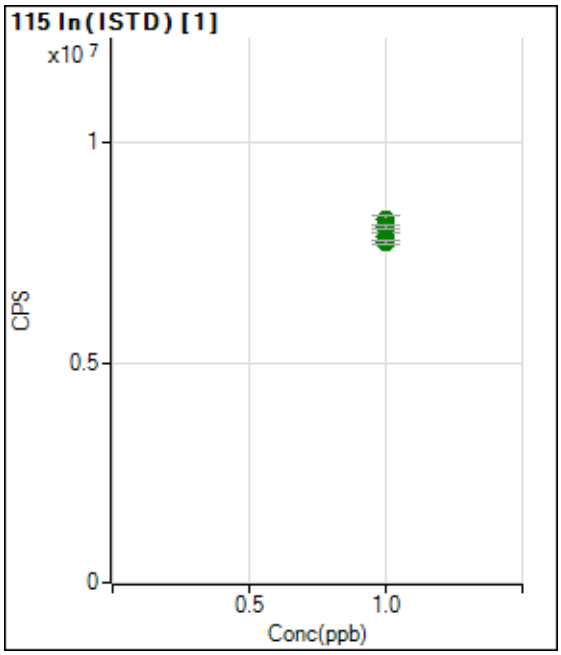
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.0000		83394.79		P	1.1
2	☐	1.0000					
3	☐	1.0000		86065.41		P	2.3
4	☐	1.0000		83394.36		P	2.8
5	☐	1.0000		84754.88		P	0.7
6	☐	1.0000					



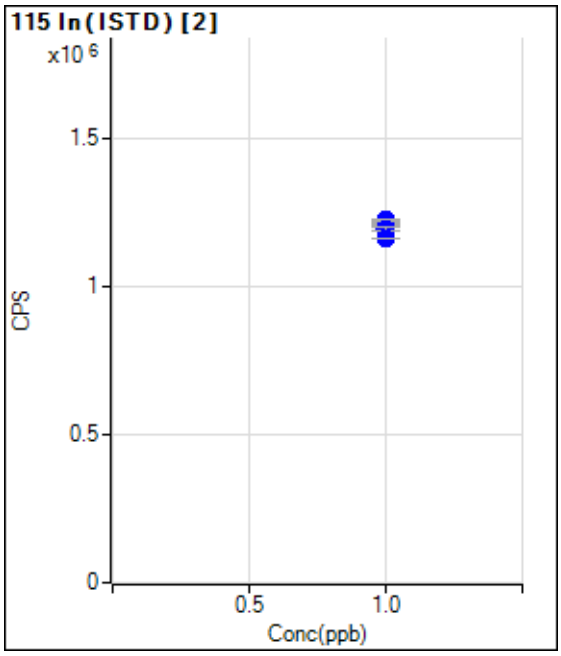
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.0000		7515896.55		A	1.0
2	☐	1.0000					
3	☐	1.0000		7733633.01		A	1.6
4	☐	1.0000		7634344.47		A	0.6
5	☐	1.0000		7168046.56		A	1.0
6	☐	1.0000					



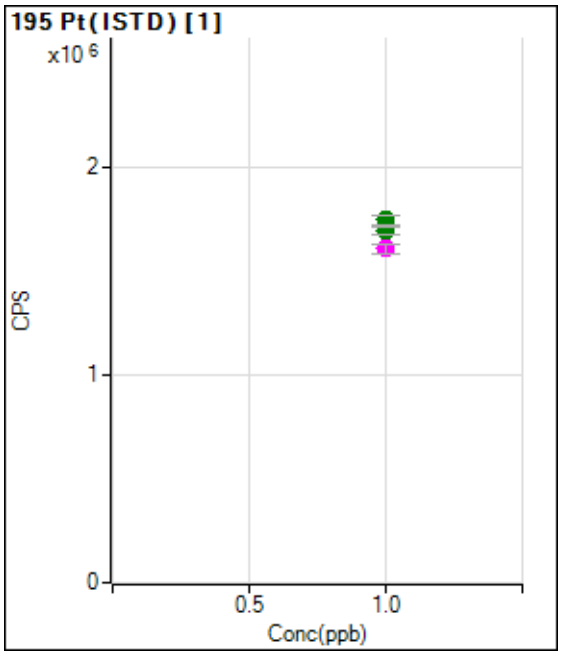
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.0000		1994679.56		A	1.3
2	☐	1.0000					
3	☐	1.0000		2002974.97		A	2.9
4	☐	1.0000		1960993.15		A	0.9
5	☐	1.0000		1934941.58		A	5.5
6	☐	1.0000					



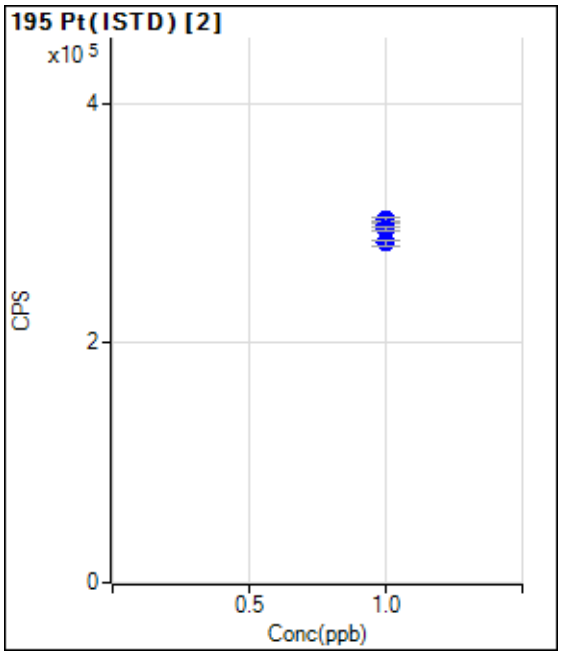
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.0000		7852116.29		A	2.0
2	☐	1.0000					
3	☐	1.0000		8239015.19		A	2.3
4	☐	1.0000		8089554.84		A	1.1
5	☐	1.0000		7723576.86		A	0.8
6	☐	1.0000					



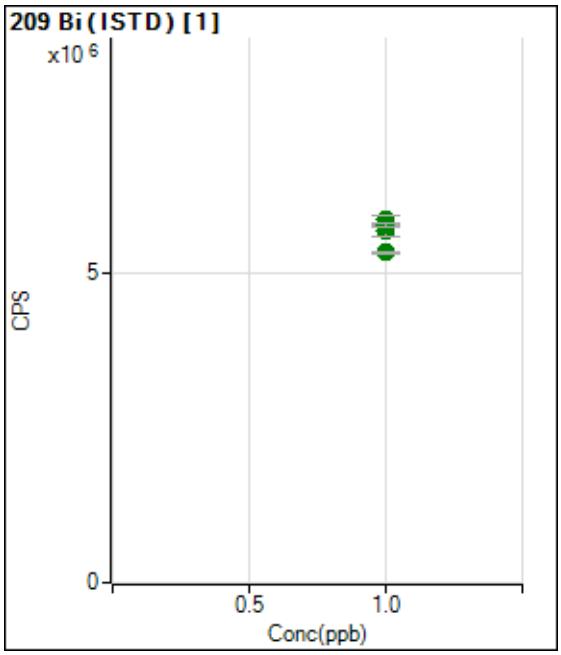
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.0000		1211887.10		P	0.5
2	☐	1.0000					
3	☐	1.0000		1223374.48		P	0.6
4	☐	1.0000		1193430.62		P	0.9
5	☐	1.0000		1160164.12		P	0.4
6	☐	1.0000					



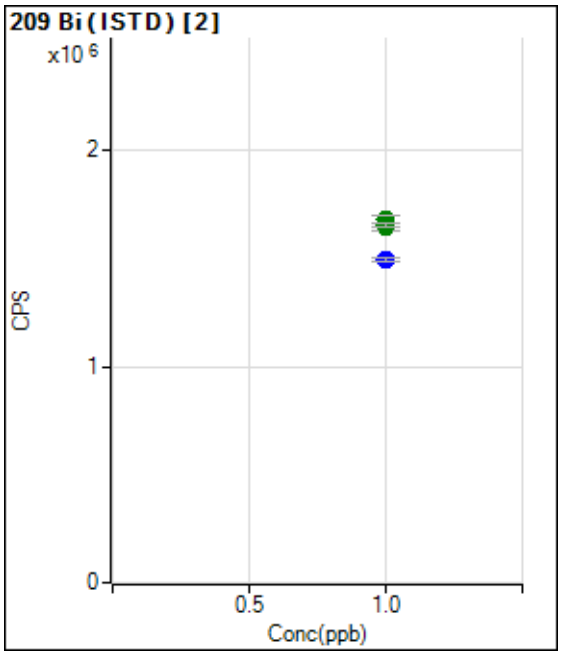
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.0000		1699076.85		A	2.2
2	☐	1.0000					
3	☐	1.0000		1749541.22		A	2.8
4	☐	1.0000		1721636.64		A	0.5
5	☐	1.0000		1609533.57		M	2.6
6	☐	1.0000					



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.0000		298864.81		P	1.1
2	☐	1.0000					
3	☐	1.0000		302986.58		P	1.1
4	☐	1.0000		295508.50		P	1.3
5	☐	1.0000		283500.98		P	1.4
6	☐	1.0000					



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.0000		5680949.71		A	3.3
2	☐	1.0000					
3	☐	1.0000		5843611.79		A	2.5
4	☐	1.0000		5755923.66		A	0.9
5	☐	1.0000		5321471.80		A	0.5
6	☐	1.0000					



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.0000		1646266.64		A	1.8
2	☐	1.0000					
3	☐	1.0000		1679098.42		A	2.1
4	☐	1.0000		1656303.88		A	1.3
5	☐	1.0000		1495421.85		P	1.0
6	☐	1.0000					

Miscellaneous

METALS DIGESTION WORKSHEET

ALS Laboratory Group

Digestion Date 05/19/17 | HCl Lot No. 167022 | Method: 3005 | Beaker Lot No. 267395 | Initial Prep JML | Final Prep JML

Digestion Batch EP170519-4 | HNO_3 Lot No. 165097 | SOP/Rev: 806 R16 | Avg. Beaker Wt. (g) 10.3 | Prep Start Time 15:20 | Prep End Time 18:00

Temp 95 °C | Peroxide Lot No. ✓ | Balance(s): 30 | Pipet(s): M-70 | Digestate Wt. (g) ✓

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
	1704516-17	MS	50	50	N/A	<2	
	1704598-1						
	-2						
	-3						
	-4						
	-5						
	1705100-7	TR/MS					
	-7 DUP						
	-7 MS						
	-7 MSD						
	-22	MS					
	-23						
	-24						
	-25						
	-26						
	-27						
	-28						
	-29						
	-30						
	1705202-2	TR					
	1705203-2						
	1705240-2						
	1705242-2						
	EP170519-4 MB	TR/MS					
	-4 LCS						
	EM170519-4 LCS						

JML 5/19/17

QC Grp	Lab Sample ID	Init Vol/Wt. (mL / g)	Final Vol. (mL)	Final Wt. (g)

JML 5/19/17

Spiking Information

QC	Amount	
ST170117-2	1.0 mL	Z
ST161114-2	1.0 mL	CAT
ST161130-1	0.5 mL	C
ST170502-6	0.5 mL	MS

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METALS DIGESTION WORKSHEET

ALS Laboratory Group

Digestion Date 05/23/17 | HCl Lot No. 167022 | Method: 3010 waters | Beaker Lot No. 267395 | Initial Prep JML | Final Prep JML

Digestion Batch IP170523-1 | HNO_3 Lot No. 165097 | SOP/Rev: 806 R16 | Avg. Beaker Wt. (g) 10.3 | Prep Start Time 11:00 | Prep End Time 18:00

Temp 95 °C | Peroxide Lot No. ✓ | Balance(s): 30 | Pipet(s): M-50 / M-10 | Digestate Wt. (g) ✓

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
	1705095-1	TR/MS	50	50	N/A	<2	
	1705158-1						
	-1 DUP						
	-1 MS						
	-1 MSD						
	1705177-1						
	-2						
	-3						
	1705202-1						
	1705203-1						
	1705212-1						
	-2						
	-3						
	1705240-1						
	1705242-1						
	1705243-1						
	1705369-1						
	-3						
	1705376-1						
	-3						
	-5						
	-7						
	1705380-1						
	IP170523-1 MB						
	-1 LCS						
	IM170523-1LCS						
		JML 5.23.17					

QC Grp	Lab Sample ID	Init Vol/Wt. (mL / g)	Final Vol. (mL)	Final Wt. (g)
	JML	5.23.17		

Spiking Information

QC	Amount	
ST170117-2	1.0 mL	Z
ST161114-2	1.0 mL	CAT
ST170502-6	0.5 mL	MS
ST160531-30	0.05 mL	S
ST160531-28	0.05 mL	P

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