

ANALYTICAL REPORT

Job Number: 240-17810-2

Job Description: RVAAP - ECC

For:
Environmental Chemical Corp.
33 Boston Post Road West
Suite 40
Marlborough, MA 01752
Attention: Mr. Jackson Kiker



Approved for release.
Mark J Loeb
Project Manager II
12/27/2012 6:11 PM

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12/27/2012

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CASE NARRATIVE

Client: Environmental Chemical Corp.

Project: RVAAP - ECC

Report Number: 240-17810-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

The 6020 metals analysis was performed at the TestAmerica Pittsburgh Laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

TestAmerica utilizes USEPA approved methods and DOD QSM, where applicable, in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

All parameters for which TestAmerica North Canton has certification were evaluated to the limit of detection (LOD) and include qualified results where applicable. Parameters not certified under QSM, if any, were evaluated to the detection limit (DL) and include qualified results where applicable.

The sample(s) that contain constituents flagged with U are undetected. The result associated with this flag is the limit of detection (LOD).

RECEIPT

The samples were received on 11/17/2012 11:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.2° C and 2.0° C.

TOTAL METALS (ICPMS) WITH INCREMENTAL SAMPLE PREPARATION

Samples 076SB-0068M-0001-SO (240-17810-1), 076SB-0069M-0001-SO (240-17810-2), 076SB-0070M-0001-SO (240-17810-3), 076SB-0071M-0001-SO (240-17810-4), 076SB-0072M-0001-SO (240-17810-5), 076SB-0073M-0001-SO (240-17810-6) and 076SB-0074M-0001-SO (240-17810-7) were analyzed for total metals (ICPMS) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 6020 DoD. The samples began the drying disaggregation process on 11/19/2012, were prepared on 11/28/2012 and analyzed on 12/23/2012.

ICB, CCB, and ICSA samples are evaluated using the lowest LOD and DL criteria in LIMS. Using this criteria, an individual element may occasionally be flagged as out of control. If the element has a higher LOD or DL, the data is evaluated to the higher limit and determined to be acceptable.

Several analytes were detected in method blank MB 180-59171/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

The interference check standard solution (ICSA) associated with batch 59171 showed results for one or more elements at a level greater than the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution.

No other difficulties were encountered during the metals analyses. All other quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-17810-1	076SB-0068M-0001-SO	Solid	11/16/2012 0940	11/17/2012 1120
240-17810-2	076SB-0069M-0001-SO	Solid	11/16/2012 0940	11/17/2012 1120
240-17810-3	076SB-0070M-0001-SO	Solid	11/16/2012 0925	11/17/2012 1120
240-17810-4	076SB-0071M-0001-SO	Solid	11/16/2012 0915	11/17/2012 1120
240-17810-5	076SB-0072M-0001-SO	Solid	11/16/2012 0905	11/17/2012 1120
240-17810-6	076SB-0073M-0001-SO	Solid	11/16/2012 0900	11/17/2012 1120
240-17810-7	076SB-0074M-0001-SO	Solid	11/16/2012 0935	11/17/2012 1120

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17810-1	076SB-0068M-0001-SO					
Silver		0.018	J	0.090	mg/Kg	6020/DOD
Aluminum		6100		2.7	mg/Kg	6020/DOD
Arsenic		8.9		0.090	mg/Kg	6020/DOD
Barium		34	Q	0.90	mg/Kg	6020/DOD
Beryllium		0.34		0.090	mg/Kg	6020/DOD
Calcium		2800		9.0	mg/Kg	6020/DOD
Cadmium		0.12	Q	0.090	mg/Kg	6020/DOD
Chromium		16		0.18	mg/Kg	6020/DOD
Cobalt		4.9	Q	0.045	mg/Kg	6020/DOD
Copper		11	Q	0.18	mg/Kg	6020/DOD
Iron		15000		4.5	mg/Kg	6020/DOD
Magnesium		1500		9.0	mg/Kg	6020/DOD
Manganese		330	Q	0.45	mg/Kg	6020/DOD
Sodium		26		9.0	mg/Kg	6020/DOD
Nickel		13	Q	0.090	mg/Kg	6020/DOD
Lead		12		0.090	mg/Kg	6020/DOD
Antimony		0.061	J	0.18	mg/Kg	6020/DOD
Thallium		0.097		0.090	mg/Kg	6020/DOD
Vanadium		13		0.090	mg/Kg	6020/DOD
Zinc		35	Q	0.45	mg/Kg	6020/DOD
Potassium		570		9.0	mg/Kg	6020/DOD
Selenium		0.38	J	0.45	mg/Kg	6020/DOD

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17810-2	076SB-0069M-0001-SO					
Silver		0.021	J	0.085	mg/Kg	6020/DOD
Aluminum		7100		2.5	mg/Kg	6020/DOD
Arsenic		12		0.085	mg/Kg	6020/DOD
Barium		38	Q	0.85	mg/Kg	6020/DOD
Beryllium		0.39		0.085	mg/Kg	6020/DOD
Calcium		1500		8.5	mg/Kg	6020/DOD
Cadmium		0.16	Q	0.085	mg/Kg	6020/DOD
Chromium		14		0.17	mg/Kg	6020/DOD
Cobalt		7.5	Q	0.042	mg/Kg	6020/DOD
Copper		15	Q	0.17	mg/Kg	6020/DOD
Iron		20000		4.2	mg/Kg	6020/DOD
Magnesium		2100		8.5	mg/Kg	6020/DOD
Manganese		340	Q	0.42	mg/Kg	6020/DOD
Sodium		32		8.5	mg/Kg	6020/DOD
Nickel		18	Q	0.085	mg/Kg	6020/DOD
Lead		10		0.085	mg/Kg	6020/DOD
Antimony		0.065	J	0.17	mg/Kg	6020/DOD
Thallium		0.11		0.085	mg/Kg	6020/DOD
Vanadium		14		0.085	mg/Kg	6020/DOD
Zinc		43	Q	0.42	mg/Kg	6020/DOD
Potassium		780		8.5	mg/Kg	6020/DOD
Selenium		0.38	J	0.42	mg/Kg	6020/DOD

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17810-3	076SB-0070M-0001-SO					
Silver		0.024	J	0.081	mg/Kg	6020/DOD
Aluminum		6700		2.4	mg/Kg	6020/DOD
Arsenic		11		0.081	mg/Kg	6020/DOD
Barium		39	Q	0.81	mg/Kg	6020/DOD
Beryllium		0.39		0.081	mg/Kg	6020/DOD
Calcium		2000		8.1	mg/Kg	6020/DOD
Cadmium		0.23	Q	0.081	mg/Kg	6020/DOD
Chromium		16		0.16	mg/Kg	6020/DOD
Cobalt		7.0	Q	0.041	mg/Kg	6020/DOD
Copper		16	Q	0.16	mg/Kg	6020/DOD
Iron		20000		4.1	mg/Kg	6020/DOD
Magnesium		1900		8.1	mg/Kg	6020/DOD
Manganese		310	Q	0.41	mg/Kg	6020/DOD
Sodium		31		8.1	mg/Kg	6020/DOD
Nickel		17	Q	0.081	mg/Kg	6020/DOD
Lead		18		0.081	mg/Kg	6020/DOD
Antimony		0.076	J	0.16	mg/Kg	6020/DOD
Thallium		0.10		0.081	mg/Kg	6020/DOD
Vanadium		14		0.081	mg/Kg	6020/DOD
Zinc		62	Q	0.41	mg/Kg	6020/DOD
Potassium		620		8.1	mg/Kg	6020/DOD
Selenium		0.33	J	0.41	mg/Kg	6020/DOD

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17810-4	076SB-0071M-0001-SO					
Silver		0.022	J	0.082	mg/Kg	6020/DOD
Aluminum		6800		2.5	mg/Kg	6020/DOD
Arsenic		8.4		0.082	mg/Kg	6020/DOD
Barium		38	Q	0.82	mg/Kg	6020/DOD
Beryllium		0.30		0.082	mg/Kg	6020/DOD
Calcium		1100		8.2	mg/Kg	6020/DOD
Cadmium		0.11	Q	0.082	mg/Kg	6020/DOD
Chromium		12		0.16	mg/Kg	6020/DOD
Cobalt		5.2	Q	0.041	mg/Kg	6020/DOD
Copper		13	Q	0.16	mg/Kg	6020/DOD
Iron		15000		4.1	mg/Kg	6020/DOD
Magnesium		1500		8.2	mg/Kg	6020/DOD
Manganese		230	Q	0.41	mg/Kg	6020/DOD
Sodium		19		8.2	mg/Kg	6020/DOD
Nickel		13	Q	0.082	mg/Kg	6020/DOD
Lead		17		0.082	mg/Kg	6020/DOD
Antimony		0.041	J	0.16	mg/Kg	6020/DOD
Thallium		0.11		0.082	mg/Kg	6020/DOD
Vanadium		12		0.082	mg/Kg	6020/DOD
Zinc		34	Q	0.41	mg/Kg	6020/DOD
Potassium		510		8.2	mg/Kg	6020/DOD
Selenium		0.34	J	0.41	mg/Kg	6020/DOD

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17810-5	076SB-0072M-0001-SO					
Silver		0.018	J	0.093	mg/Kg	6020/DOD
Aluminum		5800		2.8	mg/Kg	6020/DOD
Arsenic		10		0.093	mg/Kg	6020/DOD
Barium		31	Q	0.93	mg/Kg	6020/DOD
Beryllium		0.33		0.093	mg/Kg	6020/DOD
Calcium		1700		9.3	mg/Kg	6020/DOD
Cadmium		0.12	Q	0.093	mg/Kg	6020/DOD
Chromium		12		0.19	mg/Kg	6020/DOD
Cobalt		5.9	Q	0.047	mg/Kg	6020/DOD
Copper		11	Q	0.19	mg/Kg	6020/DOD
Iron		17000		4.7	mg/Kg	6020/DOD
Magnesium		1500		9.3	mg/Kg	6020/DOD
Manganese		230	Q	0.47	mg/Kg	6020/DOD
Sodium		26		9.3	mg/Kg	6020/DOD
Nickel		14	Q	0.093	mg/Kg	6020/DOD
Lead		7.8		0.093	mg/Kg	6020/DOD
Antimony		0.10	J	0.19	mg/Kg	6020/DOD
Thallium		0.093		0.093	mg/Kg	6020/DOD
Vanadium		12		0.093	mg/Kg	6020/DOD
Zinc		32	Q	0.47	mg/Kg	6020/DOD
Potassium		580		9.3	mg/Kg	6020/DOD
Selenium		0.30	J	0.47	mg/Kg	6020/DOD

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17810-6	076SB-0073M-0001-SO					
Silver		0.020	J	0.080	mg/Kg	6020/DOD
Aluminum		7800		2.4	mg/Kg	6020/DOD
Arsenic		13		0.080	mg/Kg	6020/DOD
Barium		44	Q	0.80	mg/Kg	6020/DOD
Beryllium		0.41		0.080	mg/Kg	6020/DOD
Calcium		1200		8.0	mg/Kg	6020/DOD
Cadmium		0.13	Q	0.080	mg/Kg	6020/DOD
Chromium		15		0.16	mg/Kg	6020/DOD
Cobalt		8.4	Q	0.040	mg/Kg	6020/DOD
Copper		15	Q	0.16	mg/Kg	6020/DOD
Iron		21000		4.0	mg/Kg	6020/DOD
Magnesium		2000		8.0	mg/Kg	6020/DOD
Manganese		500	Q	0.40	mg/Kg	6020/DOD
Sodium		24		8.0	mg/Kg	6020/DOD
Nickel		17	Q	0.080	mg/Kg	6020/DOD
Lead		28		0.080	mg/Kg	6020/DOD
Antimony		0.084	J	0.16	mg/Kg	6020/DOD
Thallium		0.13		0.080	mg/Kg	6020/DOD
Vanadium		15		0.080	mg/Kg	6020/DOD
Zinc		43	Q	0.40	mg/Kg	6020/DOD
Potassium		620		8.0	mg/Kg	6020/DOD
Selenium		0.41		0.40	mg/Kg	6020/DOD

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17810-7	076SB-0074M-0001-SO					
Silver		0.024	J	0.085	mg/Kg	6020/DOD
Aluminum		7100		2.5	mg/Kg	6020/DOD
Arsenic		12		0.085	mg/Kg	6020/DOD
Barium		36	Q	0.85	mg/Kg	6020/DOD
Beryllium		0.42		0.085	mg/Kg	6020/DOD
Calcium		1500		8.5	mg/Kg	6020/DOD
Cadmium		0.15	Q	0.085	mg/Kg	6020/DOD
Chromium		14		0.17	mg/Kg	6020/DOD
Cobalt		8.8	Q	0.042	mg/Kg	6020/DOD
Copper		14	Q	0.17	mg/Kg	6020/DOD
Iron		20000		4.2	mg/Kg	6020/DOD
Magnesium		2000		8.5	mg/Kg	6020/DOD
Manganese		340	Q	0.42	mg/Kg	6020/DOD
Sodium		35		8.5	mg/Kg	6020/DOD
Nickel		17	Q	0.085	mg/Kg	6020/DOD
Lead		10		0.085	mg/Kg	6020/DOD
Antimony		0.065	J	0.17	mg/Kg	6020/DOD
Thallium		0.097		0.085	mg/Kg	6020/DOD
Vanadium		14		0.085	mg/Kg	6020/DOD
Zinc		38	Q	0.42	mg/Kg	6020/DOD
Potassium		800		8.5	mg/Kg	6020/DOD
Selenium		0.36	J	0.42	mg/Kg	6020/DOD

METHOD SUMMARY

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Metals (ICP/MS)	TAL PIT	SW846 6020/DOD	
Preparation, Metals	TAL PIT		SW846 3050B

Lab References:

TAL PIT = TestAmerica Pittsburgh

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Method	Analyst	Analyst ID
SW846 6020/DOD	Reinheimer, Bill	BR

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Client Sample ID: 076SB-0068M-0001-SO

Lab Sample ID: 240-17810-1

Date Sampled: 11/16/2012 0940

Client Matrix: Solid

Date Received: 11/17/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59262	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59171	Lab File ID:	M21222A.xml
Dilution:	1.0			Initial Weight/Volume:	1.11 g
Analysis Date:	12/23/2012 0108			Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 1240				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.018	J	0.010	0.090
Aluminum		6100		0.26	2.7
Arsenic		8.9		0.016	0.090
Barium		34	Q	0.0096	0.90
Beryllium		0.34		0.0068	0.090
Calcium		2800		1.2	9.0
Cadmium		0.12	Q	0.012	0.090
Chromium		16		0.020	0.18
Cobalt		4.9	Q	0.0022	0.045
Copper		11	Q	0.030	0.18
Iron		15000		0.97	4.5
Magnesium		1500		0.97	9.0
Manganese		330	Q	0.014	0.45
Sodium		26		2.4	9.0
Nickel		13	Q	0.010	0.090
Lead		12		0.014	0.090
Antimony		0.061	J	0.041	0.18
Thallium		0.097		0.0092	0.090
Vanadium		13		0.027	0.090
Zinc		35	Q	0.058	0.45
Potassium		570		2.8	9.0
Selenium		0.38	J	0.046	0.45

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Client Sample ID: 076SB-0069M-0001-SO

Lab Sample ID: 240-17810-2

Date Sampled: 11/16/2012 0940

Client Matrix: Solid

Date Received: 11/17/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59262	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59171	Lab File ID:	M21222A.xml
Dilution:	1.0			Initial Weight/Volume:	1.18 g
Analysis Date:	12/23/2012 0112			Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 1240				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.021	J	0.0097	0.085
Aluminum		7100		0.24	2.5
Arsenic		12		0.015	0.085
Barium		38	Q	0.0091	0.85
Beryllium		0.39		0.0064	0.085
Calcium		1500		1.1	8.5
Cadmium		0.16	Q	0.011	0.085
Chromium		14		0.019	0.17
Cobalt		7.5	Q	0.0020	0.042
Copper		15	Q	0.028	0.17
Iron		20000		0.91	4.2
Magnesium		2100		0.91	8.5
Manganese		340	Q	0.013	0.42
Sodium		32		2.3	8.5
Nickel		18	Q	0.0096	0.085
Lead		10		0.013	0.085
Antimony		0.065	J	0.039	0.17
Thallium		0.11		0.0086	0.085
Vanadium		14		0.025	0.085
Zinc		43	Q	0.055	0.42
Potassium		780		2.7	8.5
Selenium		0.38	J	0.043	0.42

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Client Sample ID: 076SB-0070M-0001-SO

Lab Sample ID: 240-17810-3

Date Sampled: 11/16/2012 0925

Client Matrix: Solid

Date Received: 11/17/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59262	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59171	Lab File ID:	M21222A.xml
Dilution:	1.0			Initial Weight/Volume:	1.23 g
Analysis Date:	12/23/2012 0117			Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 1240				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.024	J	0.0093	0.081
Aluminum		6700		0.23	2.4
Arsenic		11		0.015	0.081
Barium		39	Q	0.0087	0.81
Beryllium		0.39		0.0061	0.081
Calcium		2000		1.1	8.1
Cadmium		0.23	Q	0.011	0.081
Chromium		16		0.018	0.16
Cobalt		7.0	Q	0.0020	0.041
Copper		16	Q	0.027	0.16
Iron		20000		0.88	4.1
Magnesium		1900		0.88	8.1
Manganese		310	Q	0.013	0.41
Sodium		31		2.2	8.1
Nickel		17	Q	0.0092	0.081
Lead		18		0.013	0.081
Antimony		0.076	J	0.037	0.16
Thallium		0.10		0.0083	0.081
Vanadium		14		0.024	0.081
Zinc		62	Q	0.053	0.41
Potassium		620		2.6	8.1
Selenium		0.33	J	0.041	0.41

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Client Sample ID: 076SB-0071M-0001-SO

Lab Sample ID: 240-17810-4

Date Sampled: 11/16/2012 0915

Client Matrix: Solid

Date Received: 11/17/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59262	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59171	Lab File ID:	M21222A.xml
Dilution:	1.0			Initial Weight/Volume:	1.22 g
Analysis Date:	12/23/2012 0121			Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 1240				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.022	J	0.0093	0.082
Aluminum		6800		0.23	2.5
Arsenic		8.4		0.015	0.082
Barium		38	Q	0.0088	0.82
Beryllium		0.30		0.0061	0.082
Calcium		1100		1.1	8.2
Cadmium		0.11	Q	0.011	0.082
Chromium		12		0.018	0.16
Cobalt		5.2	Q	0.0020	0.041
Copper		13	Q	0.027	0.16
Iron		15000		0.88	4.1
Magnesium		1500		0.88	8.2
Manganese		230	Q	0.013	0.41
Sodium		19		2.2	8.2
Nickel		13	Q	0.0093	0.082
Lead		17		0.013	0.082
Antimony		0.041	J	0.038	0.16
Thallium		0.11		0.0084	0.082
Vanadium		12		0.025	0.082
Zinc		34	Q	0.053	0.41
Potassium		510		2.6	8.2
Selenium		0.34	J	0.042	0.41

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Client Sample ID: 076SB-0072M-0001-SO

Lab Sample ID: 240-17810-5

Date Sampled: 11/16/2012 0905

Client Matrix: Solid

Date Received: 11/17/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method: 6020/DOD

Analysis Batch: 180-59262

Instrument ID: M

Prep Method: 3050B

Prep Batch: 180-59171

Lab File ID: M21222A.xml

Dilution: 1.0

Initial Weight/Volume: 1.07 g

Analysis Date: 12/23/2012 0125

Final Weight/Volume: 100 mL

Prep Date: 11/28/2012 1240

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.018	J	0.011	0.093
Aluminum		5800		0.27	2.8
Arsenic		10		0.017	0.093
Barium		31	Q	0.010	0.93
Beryllium		0.33		0.0070	0.093
Calcium		1700		1.2	9.3
Cadmium		0.12	Q	0.012	0.093
Chromium		12		0.021	0.19
Cobalt		5.9	Q	0.0022	0.047
Copper		11	Q	0.031	0.19
Iron		17000		1.0	4.7
Magnesium		1500		1.0	9.3
Manganese		230	Q	0.015	0.47
Sodium		26		2.5	9.3
Nickel		14	Q	0.011	0.093
Lead		7.8		0.014	0.093
Antimony		0.10	J	0.043	0.19
Thallium		0.093		0.0095	0.093
Vanadium		12		0.028	0.093
Zinc		32	Q	0.061	0.47
Potassium		580		2.9	9.3
Selenium		0.30	J	0.048	0.47

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Client Sample ID: 076SB-0073M-0001-SO

Lab Sample ID: 240-17810-6

Date Sampled: 11/16/2012 0900

Client Matrix: Solid

Date Received: 11/17/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method: 6020/DOD

Analysis Batch: 180-59262

Instrument ID: M

Prep Method: 3050B

Prep Batch: 180-59171

Lab File ID: M21222A.xml

Dilution: 1.0

Initial Weight/Volume: 1.25 g

Analysis Date: 12/23/2012 0130

Final Weight/Volume: 100 mL

Prep Date: 11/28/2012 1240

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.020	J	0.0091	0.080
Aluminum		7800		0.23	2.4
Arsenic		13		0.014	0.080
Barium		44	Q	0.0086	0.80
Beryllium		0.41		0.0060	0.080
Calcium		1200		1.1	8.0
Cadmium		0.13	Q	0.011	0.080
Chromium		15		0.018	0.16
Cobalt		8.4	Q	0.0019	0.040
Copper		15	Q	0.026	0.16
Iron		21000		0.86	4.0
Magnesium		2000		0.86	8.0
Manganese		500	Q	0.013	0.40
Sodium		24		2.1	8.0
Nickel		17	Q	0.0090	0.080
Lead		28		0.012	0.080
Antimony		0.084	J	0.037	0.16
Thallium		0.13		0.0082	0.080
Vanadium		15		0.024	0.080
Zinc		43	Q	0.052	0.40
Potassium		620		2.5	8.0
Selenium		0.41		0.041	0.40

Analytical Data

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Client Sample ID: 076SB-0074M-0001-SO

Lab Sample ID: 240-17810-7

Date Sampled: 11/16/2012 0935

Client Matrix: Solid

Date Received: 11/17/2012 1120

6020/DOD Metals (ICP/MS)

Analysis Method:	6020/DOD	Analysis Batch:	180-59262	Instrument ID:	M
Prep Method:	3050B	Prep Batch:	180-59171	Lab File ID:	M21222A.xml
Dilution:	1.0			Initial Weight/Volume:	1.18 g
Analysis Date:	12/23/2012 0134			Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 1240				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Silver		0.024	J	0.0097	0.085
Aluminum		7100		0.24	2.5
Arsenic		12		0.015	0.085
Barium		36	Q	0.0091	0.85
Beryllium		0.42		0.0064	0.085
Calcium		1500		1.1	8.5
Cadmium		0.15	Q	0.011	0.085
Chromium		14		0.019	0.17
Cobalt		8.8	Q	0.0020	0.042
Copper		14	Q	0.028	0.17
Iron		20000		0.91	4.2
Magnesium		2000		0.91	8.5
Manganese		340	Q	0.013	0.42
Sodium		35		2.3	8.5
Nickel		17	Q	0.0096	0.085
Lead		10		0.013	0.085
Antimony		0.065	J	0.039	0.17
Thallium		0.097		0.0086	0.085
Vanadium		14		0.025	0.085
Zinc		38	Q	0.055	0.42
Potassium		800		2.7	8.5
Selenium		0.36	J	0.043	0.42

Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Method Blank - Batch: 180-59171

Method: 6020/DOD Preparation: 3050B

Lab Sample ID: MB 180-59171/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 12/23/2012 0014
Prep Date: 11/28/2012 1240
Leach Date: N/A

Analysis Batch: 180-59262
Prep Batch: 180-59171
Leach Batch: N/A
Units: mg/Kg

Instrument ID: M
Lab File ID: M21222A.xml
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	DL	LOQ
Silver	0.030	U	0.011	0.10
Aluminum	0.695	J	0.28	3.0
Arsenic	0.050	U	0.018	0.10
Barium	0.020	U Q	0.011	1.0
Beryllium	0.010	U	0.0075	0.10
Calcium	1.44	J	1.3	10
Cadmium	0.030	U Q	0.013	0.10
Chromium	0.040	U	0.022	0.20
Cobalt	0.010	U Q	0.0024	0.050
Copper	0.060	U Q	0.033	0.20
Iron	2.32	J	1.1	5.0
Magnesium	2.0	U	1.1	10
Manganese	0.0199	J Q	0.016	0.50
Sodium	5.0	U	2.7	10
Nickel	0.030	U Q	0.011	0.10
Lead	0.030	U	0.015	0.10
Antimony	0.10	U	0.046	0.20
Thallium	0.020	U	0.010	0.10
Vanadium	0.060	U	0.030	0.10
Zinc	0.20	U Q	0.065	0.50
Potassium	6.0	U	3.2	10
Selenium	0.10	U	0.051	0.50

Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Lab Control Sample - Batch: 180-59171

Method: 6020/DOD
Preparation: 3050B

Lab Sample ID:	LCS 180-59171/2-A	Analysis Batch:	180-59262	Instrument ID:	M
Client Matrix:	Solid	Prep Batch:	180-59171	Lab File ID:	M21222A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	12/23/2012 0018	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 1240				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	10.0	9.03	90	60 - 114	
Aluminum	1000	822	82	80 - 120	
Arsenic	100	82.5	82	73 - 110	
Barium	100	86.7	87	70 - 110	Q
Beryllium	100	86.8	87	79 - 110	
Calcium	1000	908	91	80 - 120	
Cadmium	100	86.7	87	74 - 110	Q
Chromium	100	92.8	93	70 - 110	
Cobalt	100	90.7	91	74 - 110	Q
Copper	100	88.1	88	73 - 110	Q
Iron	1000	948	95	80 - 120	
Magnesium	1000	829	83	80 - 120	
Manganese	100	94.5	94	80 - 120	Q
Sodium	1000	836	84	80 - 120	
Nickel	100	87.8	88	75 - 110	Q
Lead	100	88.5	89	75 - 110	
Antimony	10.0	8.45	85	68 - 113	
Thallium	25.0	20.9	84	71 - 110	
Vanadium	100	92.0	92	72 - 110	
Zinc	100	85.8	86	72 - 113	Q
Potassium	1000	869	87	80 - 120	
Selenium	100	82.7	83	65 - 110	

DATA REPORTING QUALIFIERS

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Lab Section	Qualifier	Description
Metals	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	Q	One or more quality control criteria failed.
	U	Undetected at the Limit of Detection.

Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 180-59171					
LCS 180-59171/2-A	Lab Control Sample	T	Solid	3050B	
MB 180-59171/1-A	Method Blank	T	Solid	3050B	
240-17810-1	076SB-0068M-0001-SO	T	Solid	3050B	
240-17810-2	076SB-0069M-0001-SO	T	Solid	3050B	
240-17810-3	076SB-0070M-0001-SO	T	Solid	3050B	
240-17810-4	076SB-0071M-0001-SO	T	Solid	3050B	
240-17810-5	076SB-0072M-0001-SO	T	Solid	3050B	
240-17810-6	076SB-0073M-0001-SO	T	Solid	3050B	
240-17810-7	076SB-0074M-0001-SO	T	Solid	3050B	
Analysis Batch:180-59262					
LCS 180-59171/2-A	Lab Control Sample	T	Solid	6020/DOD	180-59171
MB 180-59171/1-A	Method Blank	T	Solid	6020/DOD	180-59171
240-17810-1	076SB-0068M-0001-SO	T	Solid	6020/DOD	180-59171
240-17810-2	076SB-0069M-0001-SO	T	Solid	6020/DOD	180-59171
240-17810-3	076SB-0070M-0001-SO	T	Solid	6020/DOD	180-59171
240-17810-4	076SB-0071M-0001-SO	T	Solid	6020/DOD	180-59171
240-17810-5	076SB-0072M-0001-SO	T	Solid	6020/DOD	180-59171
240-17810-6	076SB-0073M-0001-SO	T	Solid	6020/DOD	180-59171
240-17810-7	076SB-0074M-0001-SO	T	Solid	6020/DOD	180-59171

Report Basis

T = Total

Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Laboratory Chronicle

Lab ID: 240-17810-1

Client ID: 076SB-0068M-0001-SO

Sample Date/Time: 11/16/2012 09:40

Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-17810-F-1-A		180-59262	180-59171	11/28/2012 12:40	1	TAL PIT	BR
A:6020/DOD	240-17810-F-1-A		180-59262	180-59171	12/23/2012 01:08	1	TAL PIT	BR

Lab ID: 240-17810-2

Client ID: 076SB-0069M-0001-SO

Sample Date/Time: 11/16/2012 09:40

Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-17810-F-2-A		180-59262	180-59171	11/28/2012 12:40	1	TAL PIT	BR
A:6020/DOD	240-17810-F-2-A		180-59262	180-59171	12/23/2012 01:12	1	TAL PIT	BR

Lab ID: 240-17810-3

Client ID: 076SB-0070M-0001-SO

Sample Date/Time: 11/16/2012 09:25

Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-17810-F-3-A		180-59262	180-59171	11/28/2012 12:40	1	TAL PIT	BR
A:6020/DOD	240-17810-F-3-A		180-59262	180-59171	12/23/2012 01:17	1	TAL PIT	BR

Lab ID: 240-17810-4

Client ID: 076SB-0071M-0001-SO

Sample Date/Time: 11/16/2012 09:15

Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-17810-F-4-A		180-59262	180-59171	11/28/2012 12:40	1	TAL PIT	BR
A:6020/DOD	240-17810-F-4-A		180-59262	180-59171	12/23/2012 01:21	1	TAL PIT	BR

Lab ID: 240-17810-5

Client ID: 076SB-0072M-0001-SO

Sample Date/Time: 11/16/2012 09:05

Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-17810-F-5-A		180-59262	180-59171	11/28/2012 12:40	1	TAL PIT	BR
A:6020/DOD	240-17810-F-5-A		180-59262	180-59171	12/23/2012 01:25	1	TAL PIT	BR

Lab ID: 240-17810-6

Client ID: 076SB-0073M-0001-SO

Sample Date/Time: 11/16/2012 09:00

Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-17810-F-6-A		180-59262	180-59171	11/28/2012 12:40	1	TAL PIT	BR
A:6020/DOD	240-17810-F-6-A		180-59262	180-59171	12/23/2012 01:30	1	TAL PIT	BR

Quality Control Results

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Laboratory Chronicle

Lab ID: 240-17810-7

Client ID: 076SB-0074M-0001-SO

Sample Date/Time: 11/16/2012 09:35

Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	240-17810-F-7-A		180-59262	180-59171	11/28/2012 12:40	1	TAL PIT	BR
A:6020/DOD	240-17810-F-7-A		180-59262	180-59171	12/23/2012 01:34	1	TAL PIT	BR

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	MB 180-59171/1-A		180-59262	180-59171	11/28/2012 12:40	1	TAL PIT	BR
A:6020/DOD	MB 180-59171/1-A		180-59262	180-59171	12/23/2012 00:14	1	TAL PIT	BR

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	LCS 180-59171/2-A		180-59262	180-59171	11/28/2012 12:40	1	TAL PIT	BR
A:6020/DOD	LCS 180-59171/2-A		180-59262	180-59171	12/23/2012 00:18	1	TAL PIT	BR

Lab References:

TAL PIT = TestAmerica Pittsburgh

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
CANMS2_00001	07/10/13	High Purity Standards, Lot 1218529			(Purchased Reagent)		Aluminum	1000 ug/mL
							Calcium	1000 ug/mL
							Iron	1000 ug/mL
							Magnesium	1000 ug/mL
							Potassium	1000 ug/mL
							Sodium	1000 ug/mL
CANMSA_High_00001	09/11/13	High Purity Standards, Lot 1225405			(Purchased Reagent)		Arsenic	100 ug/mL
							Barium	100 ug/mL
							Beryllium	100 ug/mL
							Cadmium	100 ug/mL
							Chromium	100 ug/mL
							Cobalt	100 ug/mL
							Copper	100 ug/mL
							Lead	100 ug/mL
							Manganese	100 ug/mL
							Nickel	100 ug/mL
							Selenium	100 ug/mL
							Sr	100 ug/mL
							Thallium	25 ug/mL
							Vanadium	100 ug/mL
							Zinc	100 ug/mL
CANMSB_High_00001	09/11/13	High Purity Standards, Lot 1225412			(Purchased Reagent)		Antimony	10 ug/mL
							B	10 ug/mL
							Mo	10 ug/mL
							Silver	10 ug/mL
							Sn	10 ug/mL
							Ti	10 ug/mL
MCCV1X_00031	01/06/13	12/06/12	DI Water, Lot K35N55	500 mL	MCALSPECAREV_00003	10 mL	Aluminum	0.5 ppm
							Arsenic	0.1 ppm
							Barium	0.1 ppm
							Beryllium	0.1 ppm
							Cadmium	0.1 ppm
							Calcium	50 ppm
							Chromium	0.1 ppm
							Cobalt	0.1 ppm
							Copper	0.1 ppm
							Iron	25 ppm
							Lead	0.1 ppm
							Magnesium	50 ppm
							Manganese	0.5 ppm
							Nickel	0.1 ppm
							Potassium	50 ppm
							Selenium	0.1 ppm
							Silver	0.1 ppm
							Sodium	50 ppm
							Thallium	0.1 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vanadium	0.1 ppm
							Zinc	0.1 ppm
					MCALSPECB_00004	10 mL	Antimony	0.1 ppm
.MCALSPECCAREV_00003	04/01/13	Inorganic Ventures, Lot F2-MEB415031			(Purchased Reagent)		Aluminum	25 ppm
							Arsenic	5 ppm
							Barium	5 ppm
							Beryllium	5 ppm
							Cadmium	5 ppm
							Calcium	2500 ppm
							Chromium	5 ppm
							Cobalt	5 ppm
							Copper	5 ppm
							Iron	1250 ppm
							Lead	5 ppm
							Magnesium	2500 ppm
							Manganese	25 ppm
							Nickel	5 ppm
							Potassium	2500 ppm
							Selenium	5 ppm
							Silver	5 ppm
							Sodium	2500 ppm
							Thallium	5 ppm
							Vanadium	5 ppm
							Zinc	5 ppm
.MCALSPECB_00004	04/01/13	Inorganic Ventures, Lot F2-MEB415032			(Purchased Reagent)		Antimony	5 ppm
MCRIX_00024	03/08/13	12/08/12	HNO3, Lot K09N65	250 mL	MMSCRI-1B_00002	1 mL	Aluminum	0.03 ppm
							Arsenic	0.001 ppm
							Barium	0.01 ppm
							Beryllium	0.001 ppm
							Cadmium	0.001 ppm
							Calcium	0.1 ppm
							Chromium	0.002 ppm
							Cobalt	0.0005 ppm
							Copper	0.002 ppm
							Iron	0.05 ppm
							Lead	0.001 ppm
							Magnesium	0.1 ppm
							Manganese	0.005 ppm
							Nickel	0.001 ppm
							Potassium	0.1 ppm
							Selenium	0.005 ppm
							Silver	0.001 ppm
							Sodium	0.1 ppm
							Thallium	0.001 ppm
							Vanadium	0.001 ppm
							Zinc	0.005 ppm
					MMSCRI-2_00004	1 mL	Antimony	0.002 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MMSCRI-1B_00002	10/01/13	Inorganic Ventures, Lot F2-MEB439152			(Purchased Reagent)		Aluminum	7.5 ppm
							Arsenic	0.25 ppm
							Barium	2.5 ppm
							Beryllium	0.25 ppm
							Cadmium	0.25 ppm
							Calcium	25 ppm
							Chromium	0.5 ppm
							Cobalt	0.125 ppm
							Copper	0.5 ppm
							Iron	12.5 ppm
							Lead	0.25 ppm
							Magnesium	25 ppm
							Manganese	1.25 ppm
							Nickel	0.25 ppm
							Potassium	25 ppm
							Selenium	1.25 ppm
							Silver	0.25 ppm
							Sodium	25 ppm
Thallium	0.25 ppm							
Vanadium	0.25 ppm							
Zinc	1.25 ppm							
.MMSCRI-2_00004	10/01/13	Inorganic Ventures, Lot F2-MEB436153			(Purchased Reagent)		Antimony	0.5 ppm
MICPMSICV_00012	12/30/12	12/03/12	2% Nitric Acid, Lot K09N65	250 mg/L	MICPMSICV_00005	10 mg/L	Aluminum	0.4 mg/L
							Antimony	0.08 mg/L
							Arsenic	0.08 mg/L
							Barium	0.08 mg/L
							Beryllium	0.08 mg/L
							Cadmium	0.08 mg/L
							Calcium	40 mg/L
							Chromium	0.08 mg/L
							Cobalt	0.08 mg/L
							Copper	0.08 mg/L
							Iron	20 mg/L
							Lead	0.08 mg/L
							Magnesium	40 mg/L
							Manganese	0.4 mg/L
							Nickel	0.08 mg/L
							Potassium	40 mg/L
							Selenium	0.08 mg/L
							Silver	0.08 mg/L
							Sodium	40 mg/L
							Thallium	0.08 mg/L
							Vanadium	0.08 mg/L
							Zinc	0.08 mg/L
.MICPMSICV_00005	12/30/12	SPEX CertiPrep, Lot 26-209JB			(Purchased Reagent)		Aluminum	10 ppm
							Antimony	2 ppm
							Arsenic	2 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Barium	2 ppm
							Beryllium	2 ppm
							Cadmium	2 ppm
							Calcium	1000 ppm
							Chromium	2 ppm
							Cobalt	2 ppm
							Copper	2 ppm
							Iron	500 ppm
							Lead	2 ppm
							Magnesium	1000 ppm
							Manganese	10 ppm
							Nickel	2 ppm
							Potassium	1000 ppm
							Selenium	2 ppm
							Silver	2 ppm
							Sodium	1000 ppm
							Thallium	2 ppm
							Vanadium	2 ppm
							Zinc	2 ppm
MICSABX_00026	03/08/13	12/08/12	DI Water, Lot J38N82	100 mL	M6020ICS-0A_00003	10 mL	Aluminum	100 ppm
							Calcium	100 ppm
							Iron	100 ppm
							Magnesium	100 ppm
							Mo	2 ppm
							Potassium	100 ppm
							Sodium	100 ppm
							Ti	2 ppm
					M6020ICS-0B_00004	1 mL	Arsenic	0.02 ppm
							Cadmium	0.02 ppm
							Chromium	0.02 ppm
							Cobalt	0.02 ppm
							Copper	0.02 ppm
							Manganese	0.0225 ppm
							Nickel	0.02 ppm
							Silver	0.02 ppm
							Zinc	0.025 ppm
					MMSICSAB-1_00004	0.2 mL	Barium	0.02 ppm
							Beryllium	0.02 ppm
							Lead	0.02 ppm
							Sr	0.02 ppm
							Thallium	0.02 ppm
					MMSICSAB-2_00004	0.2 mL	Vanadium	0.02 ppm
							Antimony	0.02 ppm
							B	0.05 ppm
							Selenium	0.05 ppm
							Si	0.5 ppm
							Sn	0.1 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration					
					Reagent ID	Volume Added							
.M6020ICS-0A_00003	11/01/13	Inorganic Ventures, Lot F2-MEB418129			(Purchased Reagent)		Aluminum	1000 ppm					
							Calcium	1000 ppm					
							Iron	1000 ppm					
							Magnesium	1000 ppm					
							Mo	20 ppm					
							Potassium	1000 ppm					
							Sodium	1000 ppm					
.M6020ICS-0B_00004	11/01/13	Inorganic Ventures, Lot F2-MEB415126			(Purchased Reagent)		Ti	20 ppm					
							Arsenic	2 ppm					
							Cadmium	2 ppm					
							Chromium	2 ppm					
							Cobalt	2 ppm					
							Copper	2 ppm					
							Manganese	2.25 ppm					
.MMSICSAB-1_00004	04/01/13	Inorganic Ventures, Lot F2-MEB415033			(Purchased Reagent)		Nickel	2 ppm					
							Silver	2 ppm					
							Zinc	2.5 ppm					
							Barium	10 ppm					
							Beryllium	10 ppm					
							Lead	10 ppm					
							Sr	10 ppm					
.MMSICSAB-2_00004	04/01/13	Inorganic Ventures, Lot F2-MEB361116			(Purchased Reagent)		Thallium	10 ppm					
							Vanadium	10 ppm					
							Antimony	10 ppm					
							B	25 ppm					
							Selenium	25 ppm					
							Si	250 ppm					
							Sn	50 ppm					
MICSAX_00023	03/08/13	12/08/12	DI Water, Lot J38N82	100 mL	M6020ICS-0A_00003	10 mL	Aluminum	100 ppm					
							Calcium	100 ppm					
							Iron	100 ppm					
							Magnesium	100 ppm					
							Mo	2 ppm					
							Potassium	100 ppm					
							Sodium	100 ppm					
.M6020ICS-0A_00003	11/01/13	Inorganic Ventures, Lot F2-MEB418129			(Purchased Reagent)		Ti	2 ppm					
							Aluminum	1000 ppm					
							Calcium	1000 ppm					
							Iron	1000 ppm					
							Magnesium	1000 ppm					
							Mo	20 ppm					
							Potassium	1000 ppm					
MSTD2X_00015	02/18/13	11/18/12	DI Water, Lot K35N55	250 mL	MCALSPECAREV_00003	10 mL	Sodium	1000 ppm					
							Ti	20 ppm					
							Aluminum	1 ppm					
							Arsenic	0.2 ppm					
							Barium	0.2 ppm					

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Beryllium	0.2 ppm
							Cadmium	0.2 ppm
							Calcium	100 ppm
							Chromium	0.2 ppm
							Cobalt	0.2 ppm
							Copper	0.2 ppm
							Iron	50 ppm
							Lead	0.2 ppm
							Magnesium	100 ppm
							Manganese	1 ppm
							Nickel	0.2 ppm
							Potassium	100 ppm
							Selenium	0.2 ppm
							Silver	0.2 ppm
							Sodium	100 ppm
							Thallium	0.2 ppm
							Vanadium	0.2 ppm
							Zinc	0.2 ppm
.MCALSPECAREV_00003	04/01/13	11/18/12	Inorganic Ventures, Lot F2-MEB415031	250 mL	(Purchased Reagent)		Aluminum	25 ppm
							Arsenic	5 ppm
							Barium	5 ppm
							Beryllium	5 ppm
							Cadmium	5 ppm
							Calcium	2500 ppm
							Chromium	5 ppm
							Cobalt	5 ppm
							Copper	5 ppm
							Iron	1250 ppm
							Lead	5 ppm
							Magnesium	2500 ppm
							Manganese	25 ppm
							Nickel	5 ppm
							Potassium	2500 ppm
							Selenium	5 ppm
							Silver	5 ppm
							Sodium	2500 ppm
							Thallium	5 ppm
							Vanadium	5 ppm
							Zinc	5 ppm
MSTD3X 00016	02/18/13	11/18/12	DI Water, Lot K35N55	250 mL	MCALSPECB_00004	10 mL	Antimony	0.2 ppm
.MCALSPECB_00004	04/01/13		Inorganic Ventures, Lot F2-MEB415032		(Purchased Reagent)		Antimony	5 ppm

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."



2.0 **DESCRIPTION OF CRM** Custom Solution
Catalog No.: TAPITT-CAL-SPECA-REV
Lot Number: **F2-MEB415031**
Matrix: 3% HNO₃(v/v)

2,500 µg/mL ea:

Ca, K, Mg, Na,

1,250 µg/mL ea:

Fe,

25 µg/mL ea:

Al, Mn,

5 µg/mL ea:

Ag, As, Ba, Be, Cd, Co, Cr₃, Cu, Ni,

Pb, Se, Sr, Tl, V, Zn

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	25.00 ± 0.18 µg/mL	Arsenic, As	5.000 ± 0.032 µg/mL	Barium, Ba	4.999 ± 0.036 µg/mL
Beryllium, Be	5.002 ± 0.036 µg/mL	Cadmium, Cd	5.000 ± 0.032 µg/mL	Calcium, Ca	2,500 ± 16 µg/mL
Chromium+3, Cr ₃	5.001 ± 0.032 µg/mL	Cobalt, Co	5.003 ± 0.032 µg/mL	Copper, Cu	5.001 ± 0.032 µg/mL
Iron, Fe	1,250 ± 8 µg/mL	Lead, Pb	5.002 ± 0.032 µg/mL	Magnesium, Mg	2,500 ± 16 µg/mL
Manganese, Mn	25.02 ± 0.15 µg/mL	Nickel, Ni	4.999 ± 0.028 µg/mL	Potassium, K	2,500 ± 16 µg/mL
Selenium, Se	5.002 ± 0.028 µg/mL	Silver, Ag	4.999 ± 0.032 µg/mL	Sodium, Na	2,500 ± 16 µg/mL
Strontium, Sr	5.001 ± 0.032 µg/mL	Thallium, Tl	5.002 ± 0.032 µg/mL	Vanadium, V	4.999 ± 0.032 µg/mL
Zinc, Zn	5.001 ± 0.028 µg/mL				

Certified Density: 1.051 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

$$\text{Certified Value } (\bar{x}) = \frac{\sum x_i}{n}$$

$(\bar{x})$ = mean

x_i = individual results

n = number of measurements

$$\text{Uncertainty } (\pm) = 2 \left[\sum (s_i)^2 \right]^{1/2}$$

2 = the coverage factor.

$\left[\sum (s_i)^2 \right]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

• "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

• This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	992212	Ag	Volhard	999b	999b
Al	ICP Assay	3101a	060502	Al	EDTA	928	928
As	Calculated		See Sec. 4.2	As	ICP Assay	3103a	010713
Ba	Gravimetric		See Sec. 4.2	Ba	ICP Assay	3104a	070222
Be	Calculated		See Sec. 4.2	Be	ICP Assay	3105a	892707
Ca	ICP Assay	3109a	050825	Ca	EDTA	928	928
Cd	ICP Assay	3108	060531	Cd	EDTA	928	928
Co	ICP Assay	3113	00630	Co	EDTA	928	928
Cr3	Calculated		See Sec. 4.2	Cr3	ICP Assay	3112a	030730
Cu	ICP Assay	3114	011017	Cu	EDTA	928	928
Fe	ICP Assay	3126a	051031	Fe	EDTA	928	928
K	Gravimetric		See Sec. 4.2	K	ICP Assay	3141a	051220
Mg	ICP Assay	3131a	050302	Mg	EDTA	928	928
Mn	ICP Assay	3132	050429	Mn	EDTA	928	928
Na	Gravimetric		See Sec. 4.2	Na	ICP Assay	3152a	010728
Ni	ICP Assay	3136	000612	Ni	EDTA	928	928
Pb	ICP Assay	3128	030721	Pb	EDTA	928	928
Se	Calculated		See Sec. 4.2	Se	ICP Assay	3149	992106
Sr	ICP Assay	3153a	990906	Sr	EDTA	928	928
Tl	Calculated		See Sec. 4.2	Tl	ICP Assay	3158	993012
V	ICP Assay	3165	992706	V	EDTA	928	928
Zn	ICP Assay	3168a	080123	Zn	EDTA	928	928

- 4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).
- 4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.
- 4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep Tightly sealed when not in use. Store and use at $20 \pm 4^{\circ}\text{C}$. Do Not pipette from the container. Do Not return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.
Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 06, 2012

Expiration Date: **EXPIRES**

01 APR 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn, Product Documentation Technician

Donna Senn

Certificate Approved By: Brian Alexander, PhD., Quality Control Supervisor

Brian Alexander

Certifying Officer: Paul Gaines, PhD., Senior Technical Director

Paul R. Gaines

CERTIFICATE OF ANALYSIS

tel: 800.669.6799 • 540.585.3030

fax: 540.585.3012

info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."



2.0 DESCRIPTION OF CRM Custom Solution
Catalog No.: TAPITT-CAL-SPECB
Lot Number: **F2-MEB415032**
Matrix: tr. HF, 3% HNO₃(v/v)

250 µg/mL ea:

Si,

5 µg/mL ea:

B, Mo, Sb, Sn, Ti

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Antimony, Sb	5.002 ± 0.045 µg/mL	Boron, B	5.000 ± 0.032 µg/mL	Molybdenum, Mo	5.002 ± 0.035 µg/mL
Silicon, Si	250.1 ± 1.2 µg/mL	Tin, Sn	5.002 ± 0.041 µg/mL	Titanium, Ti	5.002 ± 0.039 µg/mL

Certified Density: 1.016 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\sum x_i}{n}$$

($\bar{x}$) = mean

x_i = individual results

n = number of measurements

$$\text{Uncertainty } (\pm) = 2 \left[\sum (s_i)^2 \right]^{1/2}$$

2 = the coverage factor.

$\left[\sum (s_i)^2 \right]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

• "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

• This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
B	Calculated		See Sec. 4.2	B	ICP Assay	3107	070514
Mo	Calculated		See Sec. 4.2	Mo	ICP Assay	3134	891307
Sb	Calculated		See Sec. 4.2	Sb	ICP Assay	3102A	061229
Si	Calculated		See Sec. 4.2	Si	ICP Assay	3150	071204
Sn	Calculated		See Sec. 4.2	Sn	ICP Assay	3161a	070330
Ti	Calculated		See Sec. 4.2	Ti	ICP Assay	3162a	060808

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at $20 \pm 4^\circ\text{C}$. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 06, 2012

Expiration Date: **EXPIRES**
01 MAR 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn, Product Documentation
Technician



Certificate Approved By: Brian Alexander, PhD., Quality Control Supervisor



Certifying Officer: Paul Gaines, PhD., Senior Technical Director



1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."



2.0 **DESCRIPTION OF CRM** Custom Solution
Catalog No.: TAPITT-MSICSAB-1
Lot Number: **F2-MEB415033**
Matrix: 3% HNO₃(v/v)

10 µg/mL ea:

Ba, Be, Pb, Sr, Ti, V

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Barium, Ba	10.00 ± 0.07 µg/mL	Beryllium, Be	10.00 ± 0.07 µg/mL	Lead, Pb	10.00 ± 0.06 µg/mL
Strontium, Sr	10.00 ± 0.06 µg/mL	Thallium, Tl	10.00 ± 0.06 µg/mL	Vanadium, V	10.00 ± 0.06 µg/mL

Certified Density: 1.014 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\sum x_i}{n}$$

($\bar{x}$) = mean

x_i = individual results

n = number of measurements

$$\text{Uncertainty } (\pm) = 2 \left[\sum (s_i)^2 \right]^{1/2}$$

2 = the coverage factor.

$\left[\sum (s_i)^2 \right]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

• "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

• This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ba	Gravimetric		See Sec. 4.2	Ba	ICP Assay	3104a	070222
Be	Calculated		See Sec. 4.2	Be	ICP Assay	3105a	892707
Pb	ICP Assay	3128	030721	Pb	EDTA	928	928
Sr	ICP Assay	3153a	990906	Sr	EDTA	928	928
Tl	Calculated		See Sec. 4.2	Tl	ICP Assay	3158	993012
V	ICP Assay	3165	992706	V	EDTA	928	928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at $20 \pm 4^{\circ}\text{C}$. Do Not pipette from the container. Do Not return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 **ISO 9001 Quality Management System Registration**
- QMI File Number 010105

10.2 **ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"**
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 **ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"**
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 **10CFR50 Appendix B - Nuclear Regulatory Commission**
- Domestic Licensing of Production and Utilization Facilities

10.5 **10CFR21 - Nuclear Regulatory Commission**
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: March 06, 2012

Expiration Date: **EXPIRES**
01 1 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn, Product Documentation
Technician



Certificate Approved By: Brian Alexander, PhD., Quality Control Supervisor



Certifying Officer: Paul Gaines, PhD., Senior Technical Director



1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."



2.0 DESCRIPTION OF CRM Custom Solution
Catalog No.: TAPITT-MSICSAB-2
Lot Number: E2-MEB361116
Matrix: tr. HF, 3% HNO₃(v/v)

250 µg/mL ea:

Si,

50 µg/mL ea:

Sn,

25 µg/mL ea:

B, Se,

10 µg/mL ea:

Sb

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Antimony, Sb	10.01 ± 0.05 µg/mL	Boron, B	24.98 ± 0.18 µg/mL	Selenium, Se	25.03 ± 0.33 µg/mL
Silicon, Si	249.8 ± 0.6 µg/mL	Tin, Sn	49.97 ± 0.34 µg/mL		

Certified Density: 1.018 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\sum x_i}{n}$$

($\bar{x}$) = mean

x_i = individual results

n = number of measurements

$$\text{Uncertainty } (\pm) = \frac{2 [(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$$

$\sum s_i$ = The summation of all significant estimated errors

(Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
B	ICP Assay	3107	070514	Sb	Calculated		See Sec. 4.2
Sb	ICP Assay	3102A	061229	Se	Calculated		See Sec. 4.2
Se	ICP Assay	3149	992106	Si	Calculated		See Sec. 4.2
Si	ICP Assay	3150	071204	Sn	Calculated		See Sec. 4.2
Sn	ICP Assay	3161a	070330				

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep Tightly sealed when not in use. Store and use at $20 \pm 4^\circ\text{C}$. Do Not pipette from the container. Do Not return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to in-house procedure IV-MPM-004 and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 **ISO 9001 Quality Management System Registration**
- QMI File Number 010105

10.2 **ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"**
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 **ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"**
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 **10CFR50 Appendix B - Nuclear Regulatory Commission**
- Domestic Licensing of Production and Utilization Facilities

10.5 **10CFR21 - Nuclear Regulatory Commission**
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: January 26, 2011

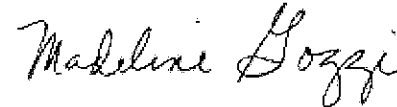
Expiration Date: **EXPIRES**
01 APR 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Donna Senn, Product Documentation Technician



Certificate Approved By: Madeline Gozzi, Quality Control Supervisor



Certifying Officer: Paul Gaines, PhD., Senior Technical Director



Certification Summary

Client: Environmental Chemical Corp.
Project/Site: RVAAP - ECC

TestAmerica Job ID: 240-17810-2

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Pittsburgh	Arkansas DEQ	State Program	6	88-0690
TestAmerica Pittsburgh	California	NELAP	9	4224CA
TestAmerica Pittsburgh	Connecticut	State Program	1	PH-0688
TestAmerica Pittsburgh	Florida	NELAP	4	E871008
TestAmerica Pittsburgh	Illinois	NELAP	5	002602
TestAmerica Pittsburgh	Kansas	NELAP	7	E-10350
TestAmerica Pittsburgh	L-A-B	DoD ELAP		L2314
TestAmerica Pittsburgh	Louisiana	NELAP	6	04041
TestAmerica Pittsburgh	New Hampshire	NELAP	1	203011
TestAmerica Pittsburgh	New Jersey	NELAP	2	PA005
TestAmerica Pittsburgh	New York	NELAP	2	11182
TestAmerica Pittsburgh	North Carolina DENR	State Program	4	434
TestAmerica Pittsburgh	Pennsylvania	NELAP	3	02-00416
TestAmerica Pittsburgh	South Carolina	State Program	4	89014
TestAmerica Pittsburgh	USDA	Federal		P330-10-00139
TestAmerica Pittsburgh	USDA	Federal		P-Soil-01
TestAmerica Pittsburgh	Utah	NELAP	8	STLP
TestAmerica Pittsburgh	Virginia	NELAP	3	460189
TestAmerica Pittsburgh	West Virginia DEP	State Program	3	142
TestAmerica Pittsburgh	Wisconsin	State Program	5	998027800

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-17810-2
SDG No.: _____
Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
<u>076SB-0068M-0001-SO</u>	<u>240-17810-1</u>
<u>076SB-0069M-0001-SO</u>	<u>240-17810-2</u>
<u>076SB-0070M-0001-SO</u>	<u>240-17810-3</u>
<u>076SB-0071M-0001-SO</u>	<u>240-17810-4</u>
<u>076SB-0072M-0001-SO</u>	<u>240-17810-5</u>
<u>076SB-0073M-0001-SO</u>	<u>240-17810-6</u>
<u>076SB-0074M-0001-SO</u>	<u>240-17810-7</u>

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0068M-0001-SO

Lab Sample ID: 240-17810-1

Lab Name: TestAmerica Pittsburgh

Job No.: 240-17810-2

SDG ID.:

Matrix: Solid

Date Sampled: 11/16/2012 09:40

Reporting Basis: WET

Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.018	0.090	0.027	0.010	mg/Kg	J		1	6020/DOD
Aluminum	6100	2.7	0.54	0.26	mg/Kg			1	6020/DOD
Arsenic	8.9	0.090	0.045	0.016	mg/Kg			1	6020/DOD
Barium	34	0.90	0.018	0.0096	mg/Kg		Q	1	6020/DOD
Beryllium	0.34	0.090	0.0090	0.0068	mg/Kg			1	6020/DOD
Calcium	2800	9.0	2.3	1.2	mg/Kg			1	6020/DOD
Cadmium	0.12	0.090	0.027	0.012	mg/Kg		Q	1	6020/DOD
Chromium	16	0.18	0.036	0.020	mg/Kg			1	6020/DOD
Cobalt	4.9	0.045	0.0090	0.0022	mg/Kg		Q	1	6020/DOD
Copper	11	0.18	0.054	0.030	mg/Kg		Q	1	6020/DOD
Iron	15000	4.5	1.8	0.97	mg/Kg			1	6020/DOD
Magnesium	1500	9.0	1.8	0.97	mg/Kg			1	6020/DOD
Manganese	330	0.45	0.027	0.014	mg/Kg		Q	1	6020/DOD
Sodium	26	9.0	4.5	2.4	mg/Kg			1	6020/DOD
Nickel	13	0.090	0.027	0.010	mg/Kg		Q	1	6020/DOD
Lead	12	0.090	0.027	0.014	mg/Kg			1	6020/DOD
Antimony	0.061	0.18	0.090	0.041	mg/Kg	J		1	6020/DOD
Thallium	0.097	0.090	0.018	0.0092	mg/Kg			1	6020/DOD
Vanadium	13	0.090	0.054	0.027	mg/Kg			1	6020/DOD
Zinc	35	0.45	0.18	0.058	mg/Kg		Q	1	6020/DOD
Potassium	570	9.0	5.4	2.8	mg/Kg			1	6020/DOD
Selenium	0.38	0.45	0.090	0.046	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0069M-0001-SO

Lab Sample ID: 240-17810-2

Lab Name: TestAmerica Pittsburgh

Job No.: 240-17810-2

SDG ID.:

Matrix: Solid

Date Sampled: 11/16/2012 09:40

Reporting Basis: WET

Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.021	0.085	0.025	0.0097	mg/Kg	J		1	6020/DOD
Aluminum	7100	2.5	0.51	0.24	mg/Kg			1	6020/DOD
Arsenic	12	0.085	0.042	0.015	mg/Kg			1	6020/DOD
Barium	38	0.85	0.017	0.0091	mg/Kg		Q	1	6020/DOD
Beryllium	0.39	0.085	0.0085	0.0064	mg/Kg			1	6020/DOD
Calcium	1500	8.5	2.1	1.1	mg/Kg			1	6020/DOD
Cadmium	0.16	0.085	0.025	0.011	mg/Kg		Q	1	6020/DOD
Chromium	14	0.17	0.034	0.019	mg/Kg			1	6020/DOD
Cobalt	7.5	0.042	0.0085	0.0020	mg/Kg		Q	1	6020/DOD
Copper	15	0.17	0.051	0.028	mg/Kg		Q	1	6020/DOD
Iron	20000	4.2	1.7	0.91	mg/Kg			1	6020/DOD
Magnesium	2100	8.5	1.7	0.91	mg/Kg			1	6020/DOD
Manganese	340	0.42	0.025	0.013	mg/Kg		Q	1	6020/DOD
Sodium	32	8.5	4.2	2.3	mg/Kg			1	6020/DOD
Nickel	18	0.085	0.025	0.0096	mg/Kg		Q	1	6020/DOD
Lead	10	0.085	0.025	0.013	mg/Kg			1	6020/DOD
Antimony	0.065	0.17	0.085	0.039	mg/Kg	J		1	6020/DOD
Thallium	0.11	0.085	0.017	0.0086	mg/Kg			1	6020/DOD
Vanadium	14	0.085	0.051	0.025	mg/Kg			1	6020/DOD
Zinc	43	0.42	0.17	0.055	mg/Kg		Q	1	6020/DOD
Potassium	780	8.5	5.1	2.7	mg/Kg			1	6020/DOD
Selenium	0.38	0.42	0.085	0.043	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0070M-0001-SO

Lab Sample ID: 240-17810-3

Lab Name: TestAmerica Pittsburgh

Job No.: 240-17810-2

SDG ID.:

Matrix: Solid

Date Sampled: 11/16/2012 09:25

Reporting Basis: WET

Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.024	0.081	0.024	0.0093	mg/Kg	J		1	6020/DOD
Aluminum	6700	2.4	0.49	0.23	mg/Kg			1	6020/DOD
Arsenic	11	0.081	0.041	0.015	mg/Kg			1	6020/DOD
Barium	39	0.81	0.016	0.0087	mg/Kg		Q	1	6020/DOD
Beryllium	0.39	0.081	0.0081	0.0061	mg/Kg			1	6020/DOD
Calcium	2000	8.1	2.0	1.1	mg/Kg			1	6020/DOD
Cadmium	0.23	0.081	0.024	0.011	mg/Kg		Q	1	6020/DOD
Chromium	16	0.16	0.033	0.018	mg/Kg			1	6020/DOD
Cobalt	7.0	0.041	0.0081	0.0020	mg/Kg		Q	1	6020/DOD
Copper	16	0.16	0.049	0.027	mg/Kg		Q	1	6020/DOD
Iron	20000	4.1	1.6	0.88	mg/Kg			1	6020/DOD
Magnesium	1900	8.1	1.6	0.88	mg/Kg			1	6020/DOD
Manganese	310	0.41	0.024	0.013	mg/Kg		Q	1	6020/DOD
Sodium	31	8.1	4.1	2.2	mg/Kg			1	6020/DOD
Nickel	17	0.081	0.024	0.0092	mg/Kg		Q	1	6020/DOD
Lead	18	0.081	0.024	0.013	mg/Kg			1	6020/DOD
Antimony	0.076	0.16	0.081	0.037	mg/Kg	J		1	6020/DOD
Thallium	0.10	0.081	0.016	0.0083	mg/Kg			1	6020/DOD
Vanadium	14	0.081	0.049	0.024	mg/Kg			1	6020/DOD
Zinc	62	0.41	0.16	0.053	mg/Kg		Q	1	6020/DOD
Potassium	620	8.1	4.9	2.6	mg/Kg			1	6020/DOD
Selenium	0.33	0.41	0.081	0.041	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0071M-0001-SO

Lab Sample ID: 240-17810-4

Lab Name: TestAmerica Pittsburgh

Job No.: 240-17810-2

SDG ID.:

Matrix: Solid

Date Sampled: 11/16/2012 09:15

Reporting Basis: WET

Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.022	0.082	0.025	0.0093	mg/Kg	J		1	6020/DOD
Aluminum	6800	2.5	0.49	0.23	mg/Kg			1	6020/DOD
Arsenic	8.4	0.082	0.041	0.015	mg/Kg			1	6020/DOD
Barium	38	0.82	0.016	0.0088	mg/Kg		Q	1	6020/DOD
Beryllium	0.30	0.082	0.0082	0.0061	mg/Kg			1	6020/DOD
Calcium	1100	8.2	2.0	1.1	mg/Kg			1	6020/DOD
Cadmium	0.11	0.082	0.025	0.011	mg/Kg		Q	1	6020/DOD
Chromium	12	0.16	0.033	0.018	mg/Kg			1	6020/DOD
Cobalt	5.2	0.041	0.0082	0.0020	mg/Kg		Q	1	6020/DOD
Copper	13	0.16	0.049	0.027	mg/Kg		Q	1	6020/DOD
Iron	15000	4.1	1.6	0.88	mg/Kg			1	6020/DOD
Magnesium	1500	8.2	1.6	0.88	mg/Kg			1	6020/DOD
Manganese	230	0.41	0.025	0.013	mg/Kg		Q	1	6020/DOD
Sodium	19	8.2	4.1	2.2	mg/Kg			1	6020/DOD
Nickel	13	0.082	0.025	0.0093	mg/Kg		Q	1	6020/DOD
Lead	17	0.082	0.025	0.013	mg/Kg			1	6020/DOD
Antimony	0.041	0.16	0.082	0.038	mg/Kg	J		1	6020/DOD
Thallium	0.11	0.082	0.016	0.0084	mg/Kg			1	6020/DOD
Vanadium	12	0.082	0.049	0.025	mg/Kg			1	6020/DOD
Zinc	34	0.41	0.16	0.053	mg/Kg		Q	1	6020/DOD
Potassium	510	8.2	4.9	2.6	mg/Kg			1	6020/DOD
Selenium	0.34	0.41	0.082	0.042	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0072M-0001-SO

Lab Sample ID: 240-17810-5

Lab Name: TestAmerica Pittsburgh

Job No.: 240-17810-2

SDG ID.:

Matrix: Solid

Date Sampled: 11/16/2012 09:05

Reporting Basis: WET

Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.018	0.093	0.028	0.011	mg/Kg	J		1	6020/DOD
Aluminum	5800	2.8	0.56	0.27	mg/Kg			1	6020/DOD
Arsenic	10	0.093	0.047	0.017	mg/Kg			1	6020/DOD
Barium	31	0.93	0.019	0.010	mg/Kg		Q	1	6020/DOD
Beryllium	0.33	0.093	0.0093	0.0070	mg/Kg			1	6020/DOD
Calcium	1700	9.3	2.3	1.2	mg/Kg			1	6020/DOD
Cadmium	0.12	0.093	0.028	0.012	mg/Kg		Q	1	6020/DOD
Chromium	12	0.19	0.037	0.021	mg/Kg			1	6020/DOD
Cobalt	5.9	0.047	0.0093	0.0022	mg/Kg		Q	1	6020/DOD
Copper	11	0.19	0.056	0.031	mg/Kg		Q	1	6020/DOD
Iron	17000	4.7	1.9	1.0	mg/Kg			1	6020/DOD
Magnesium	1500	9.3	1.9	1.0	mg/Kg			1	6020/DOD
Manganese	230	0.47	0.028	0.015	mg/Kg		Q	1	6020/DOD
Sodium	26	9.3	4.7	2.5	mg/Kg			1	6020/DOD
Nickel	14	0.093	0.028	0.011	mg/Kg		Q	1	6020/DOD
Lead	7.8	0.093	0.028	0.014	mg/Kg			1	6020/DOD
Antimony	0.10	0.19	0.093	0.043	mg/Kg	J		1	6020/DOD
Thallium	0.093	0.093	0.019	0.0095	mg/Kg			1	6020/DOD
Vanadium	12	0.093	0.056	0.028	mg/Kg			1	6020/DOD
Zinc	32	0.47	0.19	0.061	mg/Kg		Q	1	6020/DOD
Potassium	580	9.3	5.6	2.9	mg/Kg			1	6020/DOD
Selenium	0.30	0.47	0.093	0.048	mg/Kg	J		1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0073M-0001-SO

Lab Sample ID: 240-17810-6

Lab Name: TestAmerica Pittsburgh

Job No.: 240-17810-2

SDG ID.:

Matrix: Solid

Date Sampled: 11/16/2012 09:00

Reporting Basis: WET

Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.020	0.080	0.024	0.0091	mg/Kg	J		1	6020/DOD
Aluminum	7800	2.4	0.48	0.23	mg/Kg			1	6020/DOD
Arsenic	13	0.080	0.040	0.014	mg/Kg			1	6020/DOD
Barium	44	0.80	0.016	0.0086	mg/Kg		Q	1	6020/DOD
Beryllium	0.41	0.080	0.0080	0.0060	mg/Kg			1	6020/DOD
Calcium	1200	8.0	2.0	1.1	mg/Kg			1	6020/DOD
Cadmium	0.13	0.080	0.024	0.011	mg/Kg		Q	1	6020/DOD
Chromium	15	0.16	0.032	0.018	mg/Kg			1	6020/DOD
Cobalt	8.4	0.040	0.0080	0.0019	mg/Kg		Q	1	6020/DOD
Copper	15	0.16	0.048	0.026	mg/Kg		Q	1	6020/DOD
Iron	21000	4.0	1.6	0.86	mg/Kg			1	6020/DOD
Magnesium	2000	8.0	1.6	0.86	mg/Kg			1	6020/DOD
Manganese	500	0.40	0.024	0.013	mg/Kg		Q	1	6020/DOD
Sodium	24	8.0	4.0	2.1	mg/Kg			1	6020/DOD
Nickel	17	0.080	0.024	0.0090	mg/Kg		Q	1	6020/DOD
Lead	28	0.080	0.024	0.012	mg/Kg			1	6020/DOD
Antimony	0.084	0.16	0.080	0.037	mg/Kg	J		1	6020/DOD
Thallium	0.13	0.080	0.016	0.0082	mg/Kg			1	6020/DOD
Vanadium	15	0.080	0.048	0.024	mg/Kg			1	6020/DOD
Zinc	43	0.40	0.16	0.052	mg/Kg		Q	1	6020/DOD
Potassium	620	8.0	4.8	2.5	mg/Kg			1	6020/DOD
Selenium	0.41	0.40	0.080	0.041	mg/Kg			1	6020/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0074M-0001-SO

Lab Sample ID: 240-17810-7

Lab Name: TestAmerica Pittsburgh

Job No.: 240-17810-2

SDG ID.:

Matrix: Solid

Date Sampled: 11/16/2012 09:35

Reporting Basis: WET

Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Silver	0.024	0.085	0.025	0.0097	mg/Kg	J		1	6020/DOD
Aluminum	7100	2.5	0.51	0.24	mg/Kg			1	6020/DOD
Arsenic	12	0.085	0.042	0.015	mg/Kg			1	6020/DOD
Barium	36	0.85	0.017	0.0091	mg/Kg		Q	1	6020/DOD
Beryllium	0.42	0.085	0.0085	0.0064	mg/Kg			1	6020/DOD
Calcium	1500	8.5	2.1	1.1	mg/Kg			1	6020/DOD
Cadmium	0.15	0.085	0.025	0.011	mg/Kg		Q	1	6020/DOD
Chromium	14	0.17	0.034	0.019	mg/Kg			1	6020/DOD
Cobalt	8.8	0.042	0.0085	0.0020	mg/Kg		Q	1	6020/DOD
Copper	14	0.17	0.051	0.028	mg/Kg		Q	1	6020/DOD
Iron	20000	4.2	1.7	0.91	mg/Kg			1	6020/DOD
Magnesium	2000	8.5	1.7	0.91	mg/Kg			1	6020/DOD
Manganese	340	0.42	0.025	0.013	mg/Kg		Q	1	6020/DOD
Sodium	35	8.5	4.2	2.3	mg/Kg			1	6020/DOD
Nickel	17	0.085	0.025	0.0096	mg/Kg		Q	1	6020/DOD
Lead	10	0.085	0.025	0.013	mg/Kg			1	6020/DOD
Antimony	0.065	0.17	0.085	0.039	mg/Kg	J		1	6020/DOD
Thallium	0.097	0.085	0.017	0.0086	mg/Kg			1	6020/DOD
Vanadium	14	0.085	0.051	0.025	mg/Kg			1	6020/DOD
Zinc	38	0.42	0.17	0.055	mg/Kg		Q	1	6020/DOD
Potassium	800	8.5	5.1	2.7	mg/Kg			1	6020/DOD
Selenium	0.36	0.42	0.085	0.043	mg/Kg	J		1	6020/DOD

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2

SDG No.: _____

ICV Source: MICPMSICV_00012 Concentration Units: ug/L

CCV Source: MCCV1X_00031

Analyte	ICV 180-59262/5 12/22/2012 18:10				CCV 180-59262/10 12/22/2012 18:40				CCV 180-59262/70 12/22/2012 23:47			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	383		400	96	482		500	96	468		500	94
Antimony	79.9		80.0	100	97.3		100	97	96.6		100	97
Arsenic	80.9		80.0	101	95.9		100	96	97.9		100	98
Barium	79.6		80.0	100	94.6		100	95	95.7		100	96
Beryllium	78.1		80.0	98	100		100	100	103		100	103
Cadmium	81.9		80.0	102	100		100	100	98.4		100	98
Calcium	39300		40000	98	48700		50000	97	50500		50000	101
Chromium	80.1		80.0	100	98.7		100	99	96.8		100	97
Cobalt	79.7		80.0	100	97.4		100	97	95.9		100	96
Copper	80.6		80.0	101	96.5		100	96	95.5		100	95
Iron	19800		20000	99	25500		25000	102	25900		25000	104
Lead	78.5		80.0	98	96.2		100	96	95.5		100	96
Magnesium	38500		40000	96	47400		50000	95	46400		50000	93
Manganese	398		400	99	510		500	102	521		500	104
Nickel	80.1		80.0	100	96.3		100	96	95.7		100	96
Potassium	39800		40000	99	47300		50000	95	48900		50000	98
Selenium	82.8		80.0	103	99.4		100	99	102		100	102
Silver	80.9		80.0	101	97.0		100	97	94.6		100	95
Sodium	39100		40000	98	49600		50000	99	47700		50000	95
Thallium	81.2		80.0	101	95.6		100	96	95.6		100	96
Vanadium	78.2		80.0	98	97.8		100	98	97.5		100	98
Zinc	85.8		80.0	107	103		100	103	101		100	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2

SDG No.: _____

ICV Source: MICPMSICV_00012 Concentration Units: ug/L

CCV Source: MCCV1X_00031

Analyte	CCV 180-59262/82 12/23/2012 00:47				CCV 180-59262/93 12/23/2012 01:41				CCV 180-59262/96 12/23/2012 02:08			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	464		500	93	464		500	93	460		500	92
Antimony	98.1		100	98	96.5		100	97	98.0		100	98
Arsenic	96.0		100	96	96.3		100	96	95.5		100	95
Barium	97.3		100	97	95.6		100	96	97.1		100	97
Beryllium	103		100	103	103		100	103	103		100	103
Cadmium	98.9		100	99	99.1		100	99	99.1		100	99
Calcium	50200		50000	100	50600		50000	101	50500		50000	101
Chromium	97.0		100	97	97.8		100	98	96.3		100	96
Cobalt	94.7		100	95	95.7		100	96	94.9		100	95
Copper	94.1		100	94	95.4		100	95	94.2		100	94
Iron	25700		25000	103	25800		25000	103	25900		25000	103
Lead	94.2		100	94	93.5		100	93	91.8		100	92
Magnesium	45900		50000	92	45400		50000	91	45700		50000	91
Manganese	516		500	103	522		500	104	514		500	103
Nickel	94.2		100	94	94.5		100	94	93.4		100	93
Potassium	48500		50000	97	48600		50000	97	49000		50000	98
Selenium	99.4		100	99	100		100	100	101		100	101
Silver	95.1		100	95	95.0		100	95	95.0		100	95
Sodium	47700		50000	95	46900		50000	94	48100		50000	96
Thallium	94.2		100	94	93.6		100	94	91.6		100	92
Vanadium	97.9		100	98	97.2		100	97	97.4		100	97
Zinc	99.4		100	99	100		100	100	98.9		100	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2
 SDG No.: _____
 Method: 6020/DOD Instrument ID: M
 Lab Sample ID: CRI 180-59262/7 Concentration Units: ug/L
 CRQL Check Standard Source: MCRIX_00024

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	1.00	0.992	J	99	80-120
Aluminum	30.0	28.7	J	96	80-120
Arsenic	1.00	0.882	J	88	80-120
Barium	10.0	9.31	J	93	80-120
Beryllium	1.00	0.984	J	98	80-120
Calcium	100	104		104	80-120
Cadmium	1.00	0.977	J	98	80-120
Chromium	2.00	1.99	J	100	80-120
Cobalt	0.500	0.497	J	99	80-120
Copper	2.00	2.07		103	80-120
Iron	50.0	58.3		117	80-120
Magnesium	100	95.9	J	96	80-120
Manganese	5.00	5.06		101	80-120
Sodium	100	100		100	80-120
Nickel	1.00	1.09		109	80-120
Lead	1.00	0.932	J	93	80-120
Antimony	2.00	1.85	J	92	80-120
Thallium	1.00	0.891	J	89	80-120
Vanadium	1.00	0.931	J	93	80-120
Zinc	5.00	4.82	J	96	80-120
Potassium	100	93.9	J	94	80-120
Selenium	5.00	4.89	J	98	80-120

Lab Sample ID: CRI 180-59262/95 Concentration Units: ug/L
 CRQL Check Standard Source: MCRIX_00024

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	1.00	0.912	J	91	80-120
Aluminum	30.0	27.0	J	90	80-120
Arsenic	1.00	0.881	J	88	80-120
Barium	10.0	9.07	J	91	80-120
Beryllium	1.00	0.977	J	98	80-120
Calcium	100	101		101	80-120
Cadmium	1.00	0.949	J	95	80-120
Chromium	2.00	1.91	J	95	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2
 SDG No.: _____
 Method: 6020/DOD Instrument ID: M
 Lab Sample ID: CRI 180-59262/95 Concentration Units: ug/L
 CRQL Check Standard Source: MCRIX_00024

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Cobalt	0.500	0.476	J	95	80-120
Copper	2.00	1.94	J	97	80-120
Iron	50.0	57.9		116	80-120
Magnesium	100	86.8	J	87	80-120
Manganese	5.00	5.31		106	80-120
Sodium	100	90.2	J	90	80-120
Nickel	1.00	0.976	J	98	80-120
Lead	1.00	0.873	J	87	80-120
Antimony	2.00	1.83	J	91	80-120
Thallium	1.00	0.817	J	82	80-120
Vanadium	1.00	0.897	J	90	80-120
Zinc	5.00	4.77	J	95	80-120
Potassium	100	86.5	J	86	80-120
Selenium	5.00	4.76	J	95	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 180-59262/6 12/22/2012 18:18		CCB1 180-59262/11 12/22/2012 18:47		CCB6 180-59262/71 12/22/2012 23:55		CCB7 180-59262/83 12/23/2012 00:55	
		Found	C	Found	C	Found	C	Found	C
Aluminum	30	5.0	U	5.0	U	5.0	U	5.0	U
Antimony	2.0	0.90	U	0.90	U	0.90	U	0.90	U
Arsenic	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Barium	10	0.15	U	0.15	U	0.15	U	0.15	U
Beryllium	1.0	0.090	U	0.090	U	0.090	U	0.090	U
Cadmium	1.0	0.30	U	0.30	U	0.30	U	0.30	U
Calcium	100	20	U	20	U	20	U	20	U
Chromium	2.0	1.0	U	1.0	U	1.0	U	1.0	U
Cobalt	0.50	0.050	U	0.050	U	0.050	U	0.050	U
Copper	2.0	0.50	U	0.50	U	0.50	U	0.50	U
Iron	50	20	U	20	U	20	U	20	U
Lead	1.0	0.30	U	0.30	U	0.30	U	0.30	U
Magnesium	100	22	U	22	U	22	U	22	U
Manganese	5.0	0.30	U	0.251	J	0.334	J	0.350	J
Nickel	1.0	0.35	U	0.35	U	0.35	U	0.35	U
Potassium	100	60	U	60	U	60	U	60	U
Selenium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Silver	1.0	0.20	U	0.20	U	0.20	U	0.20	U
Sodium	100	55	U	55	U	55	U	55	U
Thallium	1.0	0.20	U	0.20	U	0.20	U	0.20	U
Vanadium	1.0	0.60	U	0.60	U	0.60	U	0.60	U
Zinc	5.0	2.0	U	2.0	U	2.0	U	2.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB8 180-59262/94 12/23/2012 01:49		CCB9 180-59262/97 12/23/2012 02:16					
		Found	C	Found	C	Found	C	Found	C
Aluminum	30	5.0	U	5.0	U				
Antimony	2.0	0.90	U	0.90	U				
Arsenic	1.0	0.50	U	0.50	U				
Barium	10	0.15	U	0.15	U				
Beryllium	1.0	0.090	U	0.090	U				
Cadmium	1.0	0.30	U	0.30	U				
Calcium	100	20	U	20	U				
Chromium	2.0	1.0	U	1.0	U				
Cobalt	0.50	0.050	U	0.050	U				
Copper	2.0	0.50	U	0.50	U				
Iron	50	20	U	20	U				
Lead	1.0	0.30	U	0.30	U				
Magnesium	100	22	U	22	U				
Manganese	5.0	0.355	J	0.235	J				
Nickel	1.0	0.35	U	0.35	U				
Potassium	100	60	U	60	U				
Selenium	5.0	1.0	U	1.0	U				
Silver	1.0	0.20	U	0.20	U				
Sodium	100	55	U	55	U				
Thallium	1.0	0.20	U	0.20	U				
Vanadium	1.0	0.60	U	0.60	U				
Zinc	5.0	2.0	U	2.0	U				

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 180-59171/1-A
 Instrument Code: M Batch No.: 59262

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	0.030	U		6020_DoD
7429-90-5	Aluminum	0.695	J		6020_DoD
7440-38-2	Arsenic	0.050	U		6020_DoD
7440-39-3	Barium	0.020	U	Q	6020_DoD
7440-41-7	Beryllium	0.010	U		6020_DoD
7440-70-2	Calcium	1.44	J		6020_DoD
7440-43-9	Cadmium	0.030	U	Q	6020_DoD
7440-47-3	Chromium	0.040	U		6020_DoD
7440-48-4	Cobalt	0.010	U	Q	6020_DoD
7440-50-8	Copper	0.060	U	Q	6020_DoD
7439-89-6	Iron	2.32	J		6020_DoD
7439-95-4	Magnesium	2.0	U		6020_DoD
7439-96-5	Manganese	0.0199	J	Q	6020_DoD
7440-23-5	Sodium	5.0	U		6020_DoD
7440-02-0	Nickel	0.030	U	Q	6020_DoD
7439-92-1	Lead	0.030	U		6020_DoD
7440-36-0	Antimony	0.10	U		6020_DoD
7440-28-0	Thallium	0.020	U		6020_DoD
7440-62-2	Vanadium	0.060	U		6020_DoD
7440-66-6	Zinc	0.20	U	Q	6020_DoD
7440-09-7	Potassium	6.0	U		6020_DoD
7782-49-2	Selenium	0.10	U		6020_DoD

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2
 SDG No.: _____
 Lab Sample ID: ICSA 180-59262/8 Instrument ID: M
 Lab File ID: M21222A.xml ICS Source: MICSAX_00023
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	100000	97740	98
Antimony		0.221	
Arsenic		0.152	
Barium		0.226	
Beryllium		0.0060	
Cadmium		0.452	
Calcium	100000	106900	107
Chromium		0.0290	
Cobalt		0.163	
Copper		1.39	
Iron	100000	109800	110
Lead		0.197	
Magnesium	100000	100600	101
Manganese		0.333	
Nickel		0.508	
Potassium	100000	102100	102
Selenium		0.270	
Silver		0.106	
Sodium	100000	104800	105
Thallium		0.0000	
Vanadium		-0.430	
Zinc		2.84	
<i>Boron</i>		<i>0.638</i>	
<i>Molybdenum</i>	<i>2000</i>	<i>2288</i>	<i>114</i>
<i>Silicon</i>		<i>24.1</i>	
<i>Strontium</i>		<i>4.88</i>	
<i>Tin</i>		<i>0.0040</i>	
<i>Titanium</i>	<i>2000</i>	<i>2264</i>	<i>113</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2
 SDG No.: _____
 Lab Sample ID: ICSAB 180-59262/9 Instrument ID: M
 Lab File ID: M21222A.xml ICS Source: MICSABX_00026
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	100000	94590	95
Antimony	20.0	20.3	101
Arsenic	20.0	20.0	100
Barium	20.0	20.2	101
Beryllium	20.0	20.0	100
Cadmium	20.0	20.3	102
Calcium	100000	102803	103
Chromium	20.0	20.8	104
Cobalt	20.0	20.1	101
Copper	20.0	20.3	102
Iron	100000	104167	104
Lead	20.0	21.0	105
Magnesium	100000	96903	97
Manganese	22.5	21.5	96
Nickel	20.0	19.7	99
Potassium	100000	98030	98
Selenium	50.0	50.9	102
Silver	20.0	19.8	99
Sodium	100000	101630	102
Thallium	20.0	20.8	104
Vanadium	20.0	20.5	103
Zinc	25.0	22.9	92
<i>Boron</i>	<i>50.0</i>	<i>47.4</i>	<i>95</i>
<i>Molybdenum</i>	<i>2000</i>	<i>2153</i>	<i>108</i>
<i>Silicon</i>	<i>500</i>	<i>553</i>	<i>111</i>
<i>Strontium</i>	<i>20.0</i>	<i>23.8</i>	<i>119</i>
<i>Tin</i>	<i>100</i>	<i>102</i>	<i>102</i>
<i>Titanium</i>	<i>2000</i>	<i>2161</i>	<i>108</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 180-59171/2-A

Lab Name: TestAmerica Pittsburgh

Job No.: 240-17810-2

Sample Matrix: Solid

LCS Source: CANMSB_High_00001

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Silver	10.0	9.03		90	60	114		6020/DOD
Aluminum	1000	822		82	80	120		6020/DOD
Arsenic	100	82.5		82	73	110		6020/DOD
Barium	100	86.7		87	70	110	Q	6020/DOD
Beryllium	100	86.8		87	79	110		6020/DOD
Calcium	1000	908		91	80	120		6020/DOD
Cadmium	100	86.7		87	74	110	Q	6020/DOD
Chromium	100	92.8		93	70	110		6020/DOD
Cobalt	100	90.7		91	74	110	Q	6020/DOD
Copper	100	88.1		88	73	110	Q	6020/DOD
Iron	1000	948		95	80	120		6020/DOD
Magnesium	1000	829		83	80	120		6020/DOD
Manganese	100	94.5		94	80	120	Q	6020/DOD
Sodium	1000	836		84	80	120		6020/DOD
Nickel	100	87.8		88	75	110	Q	6020/DOD
Lead	100	88.5		89	75	110		6020/DOD
Antimony	10.0	8.45		85	68	113		6020/DOD
Thallium	25.0	20.9		84	71	110		6020/DOD
Vanadium	100	92.0		92	72	110		6020/DOD
Zinc	100	85.8		86	72	113	Q	6020/DOD
Potassium	1000	869		87	80	120		6020/DOD
Selenium	100	82.7		83	65	110		6020/DOD

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-17810-2
 SDG Number: _____
 Matrix: Solid Instrument ID: M
 Method: 6020/DOD DL Date: 01/26/2010 16:34
 Prep Method: 3050B

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Aluminum	27	3	0.2849
Antimony	121	0.2	0.0459
Arsenic	75	0.1	0.0181
Barium	137	1	0.0107
Beryllium	9	0.1	0.0075
Cadmium	111	0.1	0.0132
Calcium	44	10	1.326
Chromium	52	0.2	0.0223
Cobalt	59	0.05	0.0024
Copper	65	0.2	0.033
Iron	56	5	1.077
Lead	208	0.1	0.0154
Magnesium	26	10	1.079
Manganese	55	0.5	0.0159
Nickel	60	0.1	0.0113
Potassium	39	10	3.155
Selenium	82	0.5	0.0509
Silver	107	0.1	0.0114
Sodium	23	10	2.658
Thallium	205	0.1	0.0102
Vanadium	51	0.1	0.0299
Zinc	66	0.5	0.0648

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 240-17810-2
SDG Number: _____
Matrix: Solid Instrument ID: M
Method: 6020/DOD XMDL Date: 01/26/2010 16:34

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum	27	30	2.5662
Antimony	121	2	0.459
Arsenic	75	1	0.2908
Barium	137	10	0.098
Beryllium	9	1	0.0451
Cadmium	111	1	0.132
Calcium	44	100	9.357
Chromium	52	2	0.5433
Cobalt	59	0.5	0.0263
Copper	65	2	0.2443
Iron	56	50	10.77
Lead	208	1	0.154
Magnesium	26	100	10.8
Manganese	55	5	0.159
Nickel	60	1	0.1749
Potassium	39	100	31.6
Selenium	82	5	0.509
Silver	107	1	0.114
Sodium	23	100	26.8
Thallium	205	1	0.102
Vanadium	51	1	0.299
Zinc	66	5	0.9609

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Pittsburgh

Job No: 240-17810-2

SDG No.: _____

Instrument ID: M

Date: 03/14/2011 22:35

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Silver		2500	6020/DOD
Aluminum		450000	6020/DOD
Arsenic		4500	6020/DOD
Barium		13500	6020/DOD
Beryllium		9000	6020/DOD
Calcium		1500000	6020/DOD
Cadmium		13500	6020/DOD
Chromium		13500	6020/DOD
Cobalt		13500	6020/DOD
Copper		20000	6020/DOD
Iron		450000	6020/DOD
Magnesium		1500000	6020/DOD
Manganese		25000	6020/DOD
Sodium		450000	6020/DOD
Nickel		13500	6020/DOD
Lead		20000	6020/DOD
Antimony		13500	6020/DOD
Thallium		13500	6020/DOD
Vanadium		13500	6020/DOD
Zinc		25000	6020/DOD
Potassium		450000	6020/DOD
Selenium		4500	6020/DOD

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 180-59171/1-A	11/28/2012 12:40	59171	1.00		100
LCS 180-59171/2-A	11/28/2012 12:40	59171	1.00		100
240-17810-1	11/28/2012 12:40	59171	1.11		100
240-17810-2	11/28/2012 12:40	59171	1.18		100
240-17810-3	11/28/2012 12:40	59171	1.23		100
240-17810-4	11/28/2012 12:40	59171	1.22		100
240-17810-5	11/28/2012 12:40	59171	1.07		100
240-17810-6	11/28/2012 12:40	59171	1.25		100
240-17810-7	11/28/2012 12:40	59171	1.18		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/30/1899 00:00 End Date: 12/23/2012 02:16

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
ZZZZZZ			00:00																				
ITUNE 180-59262/1			13:07																				
STD1 180-59262/2 IC	1		17:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD2 180-59262/3 IC	1		18:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD3 180-59262/4 IC	1		18:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 180-59262/5	1		18:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 180-59262/6	1		18:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 180-59262/7	1		18:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 180-59262/8	1		18:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 180-59262/9	1		18:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 180-59262/10	1		18:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB1 180-59262/11	1		18:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			18:51																				
ZZZZZZ			18:56																				
ZZZZZZ			19:00																				
ZZZZZZ			19:08																				
ZZZZZZ			19:12																				
ZZZZZZ			19:19																				
ZZZZZZ			19:24																				
ZZZZZZ			19:28																				
ZZZZZZ			19:32																				
ZZZZZZ			19:37																				
CCV 180-59262/22			19:44																				
CCB2 180-59262/23			19:52																				
ZZZZZZ			19:56																				
ZZZZZZ			20:01																				
ZZZZZZ			20:05																				
ZZZZZZ			20:09																				
ZZZZZZ			20:13																				
ZZZZZZ			20:18																				
ZZZZZZ			20:22																				
ZZZZZZ			20:26																				
ZZZZZZ			20:31																				
ZZZZZZ			20:35																				
CCV 180-59262/34			20:42																				
CCB3 180-59262/35			20:50																				
ZZZZZZ			20:55																				
ZZZZZZ			20:59																				
ZZZZZZ			21:03																				
ZZZZZZ			21:07																				
ZZZZZZ			21:12																				
ZZZZZZ			21:16																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/30/1899 00:00 End Date: 12/23/2012 02:16

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
ZZZZZZ			21:20																				
ZZZZZZ			21:29																				
ZZZZZZ			21:33																				
ZZZZZZ			21:40																				
CCV 180-59262/46			21:47																				
CCB4 180-59262/47			21:55																				
ZZZZZZ			21:59																				
ZZZZZZ			22:04																				
ZZZZZZ			22:08																				
ZZZZZZ			22:12																				
ZZZZZZ			22:20																				
ZZZZZZ			22:24																				
ZZZZZZ			22:28																				
ZZZZZZ			22:33																				
ZZZZZZ			22:37																				
ZZZZZZ			22:41																				
CCV 180-59262/58			22:48																				
CCB5 180-59262/59			22:56																				
ZZZZZZ			23:01																				
ZZZZZZ			23:05																				
ZZZZZZ			23:09																				
ZZZZZZ			23:14																				
ZZZZZZ			23:18																				
ZZZZZZ			23:22																				
ZZZZZZ			23:27																				
ZZZZZZ			23:31																				
ZZZZZZ			23:35																				
ZZZZZZ			23:40																				
CCV 180-59262/70	1		23:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB6 180-59262/71	1		23:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			23:59																				
ZZZZZZ			00:04																				
MB 180-59171/1-A	1	T	00:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 180-59171/2-A	1	T	00:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			00:22																				
ZZZZZZ			00:27																				
ZZZZZZ			00:31																				
ZZZZZZ			00:35																				
ZZZZZZ			00:40																				
CCV 180-59262/82	1		00:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB7 180-59262/83	1		00:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			00:59																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/30/1899 00:00 End Date: 12/23/2012 02:16

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
ZZZZZZ			01:04																				
240-17810-1	1	T	01:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-17810-2	1	T	01:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-17810-3	1	T	01:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-17810-4	1	T	01:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-17810-5	1	T	01:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-17810-6	1	T	01:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
240-17810-7	1	T	01:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 180-59262/93	1		01:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB8 180-59262/94	1		01:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CRI 180-59262/95	1		02:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 180-59262/96	1		02:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB9 180-59262/97	1		02:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/30/1899 00:00 End Date: 12/23/2012 02:16

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			00:00																		
ITUNE 180-59262/1			13:07																		
STD1 180-59262/2 IC	1		17:56	X	X																
STD2 180-59262/3 IC	1		18:02	X	X																
STD3 180-59262/4 IC	1		18:06	X	X																
ICV 180-59262/5	1		18:10	X	X																
ICB 180-59262/6	1		18:18	X	X																
CRI 180-59262/7	1		18:22	X	X																
ICSA 180-59262/8	1		18:27	X	X																
ICSAB 180-59262/9	1		18:32	X	X																
CCV 180-59262/10	1		18:40	X	X																
CCB1 180-59262/11	1		18:47	X	X																
ZZZZZZ			18:51																		
ZZZZZZ			18:56																		
ZZZZZZ			19:00																		
ZZZZZZ			19:08																		
ZZZZZZ			19:12																		
ZZZZZZ			19:19																		
ZZZZZZ			19:24																		
ZZZZZZ			19:28																		
ZZZZZZ			19:32																		
ZZZZZZ			19:37																		
CCV 180-59262/22			19:44																		
CCB2 180-59262/23			19:52																		
ZZZZZZ			19:56																		
ZZZZZZ			20:01																		
ZZZZZZ			20:05																		
ZZZZZZ			20:09																		
ZZZZZZ			20:13																		
ZZZZZZ			20:18																		
ZZZZZZ			20:22																		
ZZZZZZ			20:26																		
ZZZZZZ			20:31																		
ZZZZZZ			20:35																		
CCV 180-59262/34			20:42																		
CCB3 180-59262/35			20:50																		
ZZZZZZ			20:55																		
ZZZZZZ			20:59																		
ZZZZZZ			21:03																		
ZZZZZZ			21:07																		
ZZZZZZ			21:12																		
ZZZZZZ			21:16																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/30/1899 00:00 End Date: 12/23/2012 02:16

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			21:20																		
ZZZZZZ			21:29																		
ZZZZZZ			21:33																		
ZZZZZZ			21:40																		
CCV 180-59262/46			21:47																		
CCB4 180-59262/47			21:55																		
ZZZZZZ			21:59																		
ZZZZZZ			22:04																		
ZZZZZZ			22:08																		
ZZZZZZ			22:12																		
ZZZZZZ			22:20																		
ZZZZZZ			22:24																		
ZZZZZZ			22:28																		
ZZZZZZ			22:33																		
ZZZZZZ			22:37																		
ZZZZZZ			22:41																		
CCV 180-59262/58			22:48																		
CCB5 180-59262/59			22:56																		
ZZZZZZ			23:01																		
ZZZZZZ			23:05																		
ZZZZZZ			23:09																		
ZZZZZZ			23:14																		
ZZZZZZ			23:18																		
ZZZZZZ			23:22																		
ZZZZZZ			23:27																		
ZZZZZZ			23:31																		
ZZZZZZ			23:35																		
ZZZZZZ			23:40																		
CCV 180-59262/70	1		23:47	X	X																
CCB6 180-59262/71	1		23:55	X	X																
ZZZZZZ			23:59																		
ZZZZZZ			00:04																		
MB 180-59171/1-A	1	T	00:14	X	X																
LCS 180-59171/2-A	1	T	00:18	X	X																
ZZZZZZ			00:22																		
ZZZZZZ			00:27																		
ZZZZZZ			00:31																		
ZZZZZZ			00:35																		
ZZZZZZ			00:40																		
CCV 180-59262/82	1		00:47	X	X																
CCB7 180-59262/83	1		00:55	X	X																
ZZZZZZ			00:59																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2

SDG No.: _____

Instrument ID: M Method: 6020/DOD

Start Date: 12/30/1899 00:00 End Date: 12/23/2012 02:16

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			01:04																		
240-17810-1	1	T	01:08	X	X																
240-17810-2	1	T	01:12	X	X																
240-17810-3	1	T	01:17	X	X																
240-17810-4	1	T	01:21	X	X																
240-17810-5	1	T	01:25	X	X																
240-17810-6	1	T	01:30	X	X																
240-17810-7	1	T	01:34	X	X																
CCV 180-59262/93	1		01:41	X	X																
CCB8 180-59262/94	1		01:49	X	X																
CRI 180-59262/95	1		02:01	X	X																
CCV 180-59262/96	1		02:08	X	X																
CCB9 180-59262/97	1		02:16	X	X																

Prep Types

T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2

SDG No.: _____

ICP-MS Instrument ID: M Start Date: 12/22/2012 End Date: 12/23/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Y-89	Q	Element Rh-103	Q	Element In	Q
STD1 180-59262/2 IC	17:56	100		100		100		100		100	
STD2 180-59262/3 IC	18:02	86		95		91		84		89	
STD3 180-59262/4 IC	18:06	92		100		97		96		97	
ICV 180-59262/5	18:10	91		99		99		89		93	
ICB 180-59262/6	18:18	97		107		99		97		98	
CRI 180-59262/7	18:22	90		99		94		96		97	
ICSA 180-59262/8	18:27	69		77		78		75		83	
ICSAB 180-59262/9	18:32	66		74		85		76		85	
CCV 180-59262/10	18:40	69		81		89		84		88	
CCB1 180-59262/11	18:47	90		89		92		94		98	
CCV 180-59262/70	23:47	72		77		77		74		74	
CCB6 180-59262/71	23:55	90		93		81		87		83	
MB 180-59171/1-A	00:14	89		90		78		78		76	
LCS 180-59171/2-A	00:18	78		77		74		73		73	
CCV 180-59262/82	00:47	71		76		77		72		71	
CCB7 180-59262/83	00:55	94		92		81		91		82	
240-17810-1	01:08	83		84		0		75		74	
240-17810-2	01:12	78		79		0		68		68	
240-17810-3	01:17	75		74		0		66		66	
240-17810-4	01:21	77		75		0		66		66	
240-17810-5	01:25	77		74		0		66		66	
240-17810-6	01:30	74		73		0		64		64	
240-17810-7	01:34	73		72		0		64		64	
CCV 180-59262/93	01:41	69		71		72		66		67	
CCB8 180-59262/94	01:49	91		87		81		85		79	
CRI 180-59262/95	02:01	74		74		70		75		72	
CCV 180-59262/96	02:08	72		76		74		69		68	
CCB9 180-59262/97	02:16	99		92		82		88		84	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2

SDG No.: _____

ICP-MS Instrument ID: M Start Date: 12/22/2012 End Date: 12/23/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
STD1 180-59262/2 IC	17:56	100		100		100					
STD2 180-59262/3 IC	18:02	90		90		81					
STD3 180-59262/4 IC	18:06	98		98		97					
ICV 180-59262/5	18:10	94		94		88					
ICB 180-59262/6	18:18	98		99		99					
CRI 180-59262/7	18:22	99		100		100					
ICSA 180-59262/8	18:27	87		87		84					
ICSAB 180-59262/9	18:32	91		92		87					
CCV 180-59262/10	18:40	95		101		93					
CCB1 180-59262/11	18:47	104		106		109					
CCV 180-59262/70	23:47	76		77		75					
CCB6 180-59262/71	23:55	83		84		92					
MB 180-59171/1-A	00:14	80		81		88					
LCS 180-59171/2-A	00:18	77		78		78					
CCV 180-59262/82	00:47	74		75		75					
CCB7 180-59262/83	00:55	81		82		92					
240-17810-1	01:08	80		80		76					
240-17810-2	01:12	76		75		68					
240-17810-3	01:17	74		74		69					
240-17810-4	01:21	73		73		69					
240-17810-5	01:25	73		73		69					
240-17810-6	01:30	72		72		66					
240-17810-7	01:34	72		72		67					
CCV 180-59262/93	01:41	69		70		70					
CCB8 180-59262/94	01:49	83		84		93					
CRI 180-59262/95	02:01	76		77		86					
CCV 180-59262/96	02:08	70		71		72					
CCB9 180-59262/97	02:16	85		86		96					

Dilution Corrected Concentrations

STD1 686024 INT STD 12/22/2012 5:56:47 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:30	101.616%	0.013	-0.013	0.003	0.000	-0.146	0.028	-0.022
2	17:58:13	99.549%	0.006	0.042	0.021	0.000	0.093	-0.093	0.003
3	17:58:56	98.835%	-0.019	-0.029	-0.024	0.000	0.053	0.065	0.020
X		100.000%	0.000	0.000	0.000	0.000	0.000	-0.000	-0.000
σ		1.444%	0.017	0.037	0.023	0.000	0.128	0.083	0.021
%RSD		1.444	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:30	0.005	-0.203	0.000	-0.292	0.949	0.850	100.449%	-0.010
2	17:58:13	0.045	-0.032	0.000	-0.002	0.525	-0.140	100.658%	0.025
3	17:58:56	-0.050	0.235	0.000	0.294	-1.475	-0.710	98.894%	-0.016
X		-0.000	-0.000	0.000	0.000	0.000	0.000	100.000%	-0.000
σ		0.048	0.221	0.000	0.293	1.294	0.789	0.964%	0.022
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.964	0.000
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:30	0.027	0.016	0.002	-0.665	-0.033	0.004	-0.011	-0.005
2	17:58:13	-0.023	-0.005	-0.002	0.097	-0.091	-0.005	0.011	0.004
3	17:58:56	-0.004	-0.011	0.000	0.568	0.125	0.001	0.000	0.002
X		0.000	0.000	0.000	-0.000	-0.000	0.000	-0.000	-0.000
σ		0.025	0.014	0.002	0.622	0.112	0.004	0.011	0.005
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:30	-0.004	-0.030	-0.062	-0.065	0.044	-0.216	0.000	0.001
2	17:58:13	0.009	0.068	0.127	0.054	-0.015	0.218	0.000	-0.001
3	17:58:56	-0.005	-0.038	-0.066	0.011	-0.029	-0.002	0.000	0.000
X		0.000	0.000	0.000	-0.000	-0.000	0.000	0.000	-0.000
σ		0.008	0.059	0.110	0.060	0.039	0.217	0.000	0.001
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:30	99.340%	-0.009	0.002	99.350%	0.001	-0.001	-0.019	-0.005
2	17:58:13	100.246%	0.002	0.001	100.220%	-0.004	-0.002	0.040	0.028
3	17:58:56	100.413%	0.007	-0.003	100.430%	0.003	0.003	-0.021	-0.023
X		100.000%	0.000	-0.000	100.000%	-0.000	-0.000	0.000	0.000
σ		0.577%	0.008	0.003	0.573%	0.004	0.002	0.035	0.026
%RSD		0.577	0.000	0.000	0.573	0.000	0.000	0.000	0.000
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:30	98.898%	-0.024	0.001	0.013	0.011	-0.004	99.149%	98.629%
2	17:58:13	100.478%	-0.020	-0.004	0.001	-0.008	-0.001	100.552%	100.248%
3	17:58:56	100.625%	0.044	0.003	-0.014	-0.003	0.005	100.300%	101.124%
X		100.000%	-0.000	0.000	0.000	-0.000	-0.000	100.000%	100.000%
σ		0.957%	0.038	0.004	0.013	0.010	0.004	0.748%	1.266%
%RSD		0.957	0.000	0.000	0.000	0.000	0.000	0.748	1.266
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:57:30	0.004	-0.001	-0.000	-0.007	-0.001	99.221%		
2	17:58:13	-0.000	0.002	0.004	0.001	-0.000	100.669%		
3	17:58:56	-0.004	-0.001	-0.004	0.006	0.001	100.110%		
X		-0.000	0.000	0.000	-0.000	0.000	100.000%		
σ		0.004	0.002	0.004	0.007	0.001	0.731%		
%RSD		0.000	0.000	0.000	0.000	0.000	0.731		

STD2 646077 12/22/2012 6:02:25 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:03:07	85.911%	196.500	0.266	0.348	0.000	99130.000	99370.000	99650.000
2	18:03:50	85.734%	200.300	0.525	0.345	0.000	99260.000	99480.000	99680.000
3	18:04:33	85.176%	203.300	0.305	0.280	0.000	101600.000	101200.000	100700.000
X		85.607%	200.000	0.365	0.324	0.000	100000.000	100000.000	100000.000
σ		0.384%	3.418	0.140	0.038	0.000	1394.000	998.000	577.200
%RSD		0.448	1.709	38.260	11.820	0.000	1.394	0.998	0.577
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:03:07	997.400	6.439	0.000	98780.000	98300.000	99080.000	94.345%	0.227
2	18:03:50	998.900	6.450	0.000	99030.000	99340.000	99610.000	96.100%	0.298
3	18:04:33	1004.000	6.785	0.000	102200.000	102400.000	101300.000	95.787%	0.192
X		1000.000	6.558	0.000	100000.000	100000.000	100000.000	95.410%	0.239
σ		3.266	0.197	0.000	1905.000	2109.000	1171.000	0.936%	0.054
%RSD		0.327	2.999	0.000	1.905	2.109	1.171	0.981	22.560
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:03:07	198.900	198.200	992.900	49790.000	49500.000	197.600	198.400	198.500
2	18:03:50	200.500	199.700	1006.000	49940.000	49740.000	198.700	198.900	199.100
3	18:04:33	200.600	202.100	1002.000	50270.000	50750.000	203.700	202.700	202.400
X		200.000	200.000	1000.000	50000.000	50000.000	200.000	200.000	200.000
σ		0.991	1.971	6.468	246.100	663.600	3.288	2.370	2.115
%RSD		0.495	0.986	0.647	0.492	1.327	1.644	1.185	1.057
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:03:07	197.700	197.900	198.700	199.100	195.500	195.200	0.000	197.800
2	18:03:50	199.800	200.200	199.400	199.700	200.900	201.500	0.000	200.500
3	18:04:33	202.500	201.900	201.800	201.200	203.600	203.300	0.000	201.800
X		200.000	200.000	200.000	200.000	200.000	200.000	0.000	200.000
σ		2.383	1.973	1.621	1.097	4.144	4.255	0.000	2.020
%RSD		1.191	0.986	0.811	0.548	2.072	2.128	0.000	1.010
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:03:07	89.692%	0.278	0.263	83.151%	197.500	197.800	198.900	199.800
2	18:03:50	91.527%	0.294	0.281	84.615%	200.300	200.100	200.100	199.600
3	18:04:33	92.056%	0.265	0.284	84.425%	202.300	202.100	201.000	200.600
X		91.092%	0.279	0.276	84.063%	200.000	200.000	200.000	200.000
σ		1.240%	0.014	0.011	0.796%	2.398	2.182	1.033	0.543
%RSD		1.362	5.191	4.031	0.947	1.199	1.091	0.516	0.272
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:03:07	87.188%	0.008	0.082	0.072	198.600	198.500	88.252%	88.612%
2	18:03:50	89.530%	0.016	0.068	0.080	199.400	200.400	90.709%	91.092%
3	18:04:33	90.120%	-0.027	0.083	0.102	202.000	201.200	90.074%	90.669%
X		88.946%	-0.001	0.078	0.085	200.000	200.000	89.678%	90.124%
σ		1.551%	0.023	0.009	0.015	1.807	1.369	1.275%	1.327%
%RSD		1.744	1767.000	10.950	18.120	0.904	0.684	1.422	1.472
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:03:07	196.000	195.400	196.000	195.600	195.700	81.263%		
2	18:03:50	201.100	201.000	201.000	200.700	200.700	81.552%		
3	18:04:33	202.800	203.600	203.000	203.700	203.600	80.907%		
X		200.000	200.000	200.000	200.000	200.000	81.241%		
σ		3.542	4.204	3.630	4.091	3.999	0.323%		
%RSD		1.771	2.102	1.815	2.046	2.000	0.397		

STD3 646078 12/22/2012 6:06:41 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:24	93.421%	0.222	198.800	198.200	0.000	50.350	45.410	46.040
2	18:08:07	91.025%	0.131	203.400	203.200	0.000	46.620	41.980	40.770
3	18:08:50	90.552%	0.125	197.800	198.600	0.000	46.810	39.800	40.240
X		91.666%	0.159	200.000	200.000	0.000	47.930	42.400	42.350
σ		1.538%	0.054	2.947	2.806	0.000	2.103	2.831	3.210
%RSD		1.678	34.160	1.474	1.403	0.000	4.388	6.677	7.579
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:24	7.952	10020.000	0.000	39.710	53.500	134.500	101.357%	197.000
2	18:08:07	6.667	10010.000	0.000	37.810	44.380	122.200	99.574%	201.500
3	18:08:50	6.392	9972.000	0.000	37.630	49.120	120.600	98.064%	201.400
X		7.004	10000.000	0.000	38.380	49.000	125.800	99.665%	200.000
σ		0.833	24.310	0.000	1.149	4.560	7.595	1.648%	2.591
%RSD		11.890	0.243	0.000	2.994	9.307	6.040	1.654	1.296
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:24	0.204	0.155	0.662	155.300	151.900	0.116	0.332	2.327
2	18:08:07	0.166	0.116	0.627	75.000	74.550	0.092	0.264	2.384
3	18:08:50	0.092	0.110	0.591	50.460	53.280	0.096	0.285	2.396
X		0.154	0.127	0.627	93.600	93.230	0.101	0.293	2.369
σ		0.057	0.025	0.035	54.860	51.880	0.013	0.035	0.037
%RSD		37.140	19.330	5.638	58.610	55.650	12.720	11.870	1.552
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:24	2.523	3.864	3.984	0.686	3.199	2.225	0.000	0.175
2	18:08:07	2.510	4.036	3.943	0.405	1.739	0.767	0.000	0.176
3	18:08:50	2.398	3.763	3.992	0.320	1.230	0.730	0.000	0.164
X		2.477	3.888	3.973	0.471	2.056	1.240	0.000	0.172
σ		0.069	0.138	0.026	0.192	1.022	0.853	0.000	0.006
%RSD		2.775	3.543	0.656	40.720	49.710	68.740	0.000	3.668
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:24	96.557%	195.400	196.100	95.306%	0.187	0.203	0.210	-0.148
2	18:08:07	96.839%	201.300	201.900	96.043%	0.171	0.188	0.204	-0.153
3	18:08:50	97.063%	203.200	202.000	95.307%	0.173	0.188	0.107	-0.360
X		96.820%	200.000	200.000	95.552%	0.177	0.193	0.174	-0.220
σ		0.254%	4.060	3.397	0.425%	0.009	0.009	0.058	0.121
%RSD		0.262	2.030	1.699	0.445	4.818	4.415	33.480	54.770
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:24	96.363%	198.600	198.200	198.600	0.173	0.354	96.898%	96.838%
2	18:08:07	97.749%	200.000	199.800	200.300	0.142	0.427	97.807%	98.283%
3	18:08:50	97.956%	201.500	202.000	201.100	0.115	0.380	98.947%	99.310%
X		97.356%	200.000	200.000	200.000	0.143	0.387	97.884%	98.143%
σ		0.866%	1.458	1.948	1.291	0.029	0.037	1.027%	1.242%
%RSD		0.889	0.729	0.974	0.645	20.420	9.662	1.049	1.266
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:07:24	0.076	0.079	0.222	0.235	0.225	95.635%		
2	18:08:07	0.076	0.068	0.141	0.149	0.149	97.289%		
3	18:08:50	0.054	0.075	0.141	0.138	0.138	99.384%		
X		0.069	0.074	0.168	0.174	0.171	97.436%		
σ		0.013	0.006	0.047	0.053	0.047	1.879%		
%RSD		18.430	7.448	27.990	30.540	27.770	1.929		

ICV 660333 12/22/2012 6:10:59 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:42	91.728%	76.430	83.500	83.920	0.000	38290.000	38010.000	37960.000
2	18:12:25	89.122%	79.320	84.680	86.350	0.000	39990.000	39090.000	38980.000
3	18:13:08	91.942%	78.550	84.270	84.400	0.000	38980.000	38620.000	38590.000
X		90.930%	97.623%	105.186%	106.116%	0.000	97.716%	96.432%	96.277%
σ		1.570%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.726	1.918	0.715	1.516	0.000	2.191	1.399	1.329
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:42	378.600	4124.000	0.000	38850.000	38510.000	38360.000	99.600%	78.580
2	18:12:25	388.800	4290.000	0.000	40230.000	40320.000	40070.000	97.848%	82.520
3	18:13:08	383.000	4167.000	0.000	40260.000	40130.000	39500.000	98.909%	82.620
X		95.870%	104.846%	0.000	99.444%	99.132%	98.279%	98.786%	101.551%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.882%	n/a
%RSD		1.335	2.055	0.000	2.021	2.512	2.222	0.893	2.835
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:42	75.990	78.040	385.700	19240.000	19200.000	77.260	77.430	78.900
2	18:12:25	79.910	81.170	402.300	20240.000	20100.000	80.960	81.700	81.710
3	18:13:08	78.670	81.020	404.500	20060.000	20010.000	80.850	81.210	81.260
X		97.737%	100.095%	99.375%	99.243%	98.857%	99.613%	100.140%	100.784%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.561	2.200	2.589	2.686	2.496	2.646	2.920	1.871
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:42	79.330	84.080	83.780	79.410	81.270	79.410	0.000	72.950
2	18:12:25	81.610	87.660	88.860	82.410	85.310	84.740	0.000	76.800
3	18:13:08	80.870	85.650	87.520	80.930	83.280	84.180	0.000	75.610
X		100.751%	107.248%	108.397%	101.147%	104.112%	103.473%	0.000	93.900%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.444	2.092	3.037	1.859	2.426	3.535	0.000	2.626
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:42	97.510%	77.710	79.500	88.363%	78.580	78.530	80.480	79.680
2	18:12:25	98.138%	81.810	83.290	88.290%	82.740	82.660	83.100	83.260
3	18:13:08	100.076%	80.810	82.260	89.912%	81.500	81.290	81.980	82.250
X		98.575%	100.138%	102.104%	88.855%	101.175%	101.031%	102.317%	102.161%
σ		1.337%	n/a	n/a	0.916%	n/a	n/a	n/a	n/a
%RSD		1.357	2.664	2.400	1.031	2.634	2.604	1.604	2.261
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:42	91.427%	79.180	78.000	77.840	77.690	77.280	92.004%	92.217%
2	18:12:25	92.536%	83.170	81.470	80.730	81.100	80.990	94.412%	94.551%
3	18:13:08	94.922%	81.780	80.330	79.450	80.160	80.610	95.629%	96.174%
X		92.962%	101.720%	99.918%	99.174%	99.563%	99.536%	94.015%	94.314%
σ		1.786%	n/a	n/a	n/a	n/a	n/a	1.845%	1.989%
%RSD		1.921	2.490	2.217	1.830	2.212	2.561	1.962	2.109
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:11:42	78.710	78.690	76.400	75.520	76.150	86.734%		
2	18:12:25	82.980	83.150	80.580	80.070	80.130	87.547%		
3	18:13:08	81.690	81.660	79.340	79.120	79.090	89.536%		
X		101.408%	101.458%	98.470%	97.797%	98.068%	87.939%		
σ		n/a	n/a	n/a	n/a	n/a	1.442%		
%RSD		2.697	2.797	2.728	3.065	2.632	1.639		

ICB 12/22/2012 6:18:16 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:59	98.679%	0.018	1.061	0.960	0.000	0.662	0.171	0.115
2	18:19:42	96.974%	-0.032	1.012	0.854	0.000	0.473	0.125	-0.016
3	18:20:25	96.210%	-0.007	0.685	0.760	0.000	0.526	0.236	0.021
X		97.287%	-0.007	0.919	0.858	0.000	0.554	0.177	0.040
σ		1.264%	0.025	0.205	0.100	0.000	0.097	0.056	0.067
%RSD		1.299	348.800	22.260	11.650	0.000	17.550	31.690	167.700
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:59	-0.628	0.722	0.000	-0.564	-1.463	0.233	107.875%	0.002
2	18:19:42	-0.691	0.293	0.000	-1.473	-0.591	1.232	105.667%	-0.028
3	18:20:25	-0.700	-0.318	0.000	-3.154	-0.383	1.759	106.509%	-0.084
X		-0.673	0.233	0.000	-1.730	-0.812	1.074	106.683%	-0.037
σ		0.039	0.523	0.000	1.314	0.573	0.775	1.115%	0.044
%RSD		5.825	224.800	0.000	75.960	70.580	72.140	1.045	118.500
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:59	-0.007	-0.014	0.019	5.806	7.903	-0.002	-0.005	-0.041
2	18:19:42	0.003	-0.011	0.009	3.435	6.631	-0.001	-0.017	-0.037
3	18:20:25	-0.017	-0.024	0.009	-0.915	3.277	0.002	-0.009	-0.025
X		-0.007	-0.016	0.013	2.775	5.937	-0.000	-0.011	-0.034
σ		0.010	0.006	0.006	3.408	2.390	0.002	0.006	0.008
%RSD		145.800	39.610	45.830	122.800	40.260	612.500	55.380	24.140
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:59	-0.040	-0.255	-0.108	0.020	0.310	0.214	0.000	-0.000
2	18:19:42	-0.035	-0.250	-0.211	-0.173	0.243	-0.466	0.000	0.001
3	18:20:25	-0.022	-0.431	-0.241	-0.137	0.010	-0.552	0.000	-0.002
X		-0.032	-0.312	-0.187	-0.096	0.188	-0.268	0.000	-0.000
σ		0.010	0.103	0.070	0.103	0.158	0.419	0.000	0.001
%RSD		29.740	33.130	37.240	106.700	84.130	156.400	0.000	678.400
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:59	98.058%	0.350	0.358	96.346%	-0.001	0.001	0.092	0.058
2	18:19:42	98.610%	0.297	0.297	96.598%	0.006	0.006	0.026	0.005
3	18:20:25	100.360%	0.225	0.226	98.099%	0.002	0.004	0.011	0.004
X		99.010%	0.291	0.294	97.014%	0.003	0.004	0.043	0.023
σ		1.202%	0.063	0.066	0.948%	0.004	0.002	0.043	0.031
%RSD		1.214	21.530	22.440	0.977	136.600	59.290	101.200	136.100
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:59	97.002%	-0.179	-0.063	-0.054	-0.033	-0.002	96.573%	97.122%
2	18:19:42	97.490%	-0.172	-0.064	-0.050	-0.012	0.001	97.853%	98.701%
3	18:20:25	99.616%	-0.278	-0.064	-0.055	-0.018	0.002	100.563%	100.842%
X		98.036%	-0.210	-0.064	-0.053	-0.021	0.000	98.329%	98.888%
σ		1.390%	0.059	0.000	0.002	0.011	0.002	2.037%	1.867%
%RSD		1.418	28.200	0.704	4.697	51.230	534.600	2.072	1.888
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:18:59	-0.003	0.001	0.040	0.028	0.033	96.594%		
2	18:19:42	0.000	0.004	0.020	0.018	0.020	98.380%		
3	18:20:25	-0.004	-0.001	0.003	0.016	0.007	101.673%		
X		-0.002	0.001	0.021	0.021	0.020	98.882%		
σ		0.002	0.002	0.019	0.007	0.013	2.576%		
%RSD		101.100	168.000	89.510	31.560	66.560	2.605		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:23:20	92.819%	1.023	5.571	5.767	0.000	99.820	94.770	95.090
2	18:24:03	89.365%	0.937	5.454	6.118	0.000	100.100	96.810	96.910
3	18:24:46	88.488%	0.991	5.766	5.989	0.000	100.100	96.040	95.600
X		90.224%	98.365%	111.941%	119.164%	0.000	99.988%	95.873%	95.869%
σ		2.290%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.538	4.417	2.819	2.984	0.000	0.145	1.071	0.982
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:23:20	28.740	502.700	0.000	94.200	106.900	102.600	101.105%	4.713
2	18:24:03	28.560	500.700	0.000	92.000	102.500	104.500	98.652%	4.763
3	18:24:46	28.930	514.300	0.000	95.380	90.360	104.600	96.334%	4.956
X		95.807%	101.180%	0.000	93.860%	99.924%	103.908%	98.697%	96.212%
σ		n/a	n/a	0.000	n/a	n/a	n/a	2.386%	n/a
%RSD		0.634	1.449	0.000	1.831	8.581	1.075	2.417	2.674
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:23:20	0.922	1.943	4.983	58.520	60.900	0.497	1.070	2.103
2	18:24:03	0.932	2.002	5.001	56.710	58.380	0.499	1.090	2.091
3	18:24:46	0.940	2.034	5.193	59.750	59.960	0.495	1.102	2.090
X		93.129%	99.640%	1011.772%	116.649%	119.498%	99.402%	108.707%	104.734%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.987	2.311	2.308	2.621	2.132	0.386	1.491	0.351
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:23:20	2.063	4.903	4.695	0.875	5.509	4.790	0.000	4.926
2	18:24:03	2.144	4.800	4.828	0.868	5.472	4.584	0.000	4.841
3	18:24:46	1.999	4.765	4.886	0.903	5.141	5.310	0.000	4.843
X		103.435%	96.446%	96.057%	88.198%	107.479%	97.887%	0.000	97.401%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		3.520	1.488	2.044	2.127	3.769	7.648	0.000	0.995
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:23:20	93.170%	4.488	4.580	95.517%	1.017	0.993	0.985	1.108
2	18:24:03	94.515%	4.905	4.743	95.998%	0.966	0.996	0.945	1.093
3	18:24:46	94.211%	4.594	4.805	95.781%	0.992	1.009	1.000	1.123
X		93.965%	93.249%	94.189%	95.765%	99.161%	99.909%	97.664%	110.790%
σ		0.705%	n/a	n/a	0.241%	n/a	n/a	n/a	n/a
%RSD		0.751	4.650	2.461	0.252	2.540	0.895	2.893	1.343
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:23:20	95.680%	4.806	1.800	1.855	9.210	9.149	97.526%	97.412%
2	18:24:03	97.849%	5.049	1.859	1.863	9.388	9.430	100.279%	100.370%
3	18:24:46	98.224%	4.775	1.881	1.847	9.077	9.362	99.532%	101.013%
X		97.251%	97.531%	92.338%	92.743%	92.251%	93.135%	99.112%	99.598%
σ		1.374%	n/a	n/a	n/a	n/a	n/a	1.423%	1.921%
%RSD		1.412	3.076	2.265	0.448	1.690	1.568	1.436	1.929
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:23:20	0.910	0.882	0.973	0.947	0.925	99.111%		
2	18:24:03	0.914	0.889	0.923	0.990	0.928	100.796%		
3	18:24:46	0.887	0.903	0.931	0.912	0.944	101.290%		
X		90.380%	89.145%	94.261%	94.950%	93.219%	100.399%		
σ		n/a	n/a	n/a	n/a	n/a	1.142%		
%RSD		1.614	1.183	2.860	4.080	1.139	1.138		

ICSA 668877 12/22/2012 6:27:58 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:28:41	70.789%	0.024	0.765	0.665	0.000	103500.000	99420.000	100600.000
2	18:29:24	69.142%	0.001	0.671	0.716	0.000	105300.000	98250.000	100400.000
3	18:30:07	67.511%	-0.006	0.498	0.533	0.000	105500.000	99520.000	100800.000
X		69.147%	0.006	0.644	0.638	0.000	104800.000	99060.000	100600.000
σ		1.639%	0.016	0.136	0.095	0.000	1094.000	706.200	187.400
%RSD		2.371	246.800	21.040	14.810	0.000	1.044	0.713	0.186
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:28:41	96820.000	24.490	0.000	101500.000	104900.000	106300.000	78.188%	2255.000
2	18:29:24	98520.000	23.890	0.000	101800.000	105200.000	106300.000	76.602%	2271.000
3	18:30:07	97860.000	23.770	0.000	102900.000	106800.000	108000.000	74.869%	2265.000
X		97740.000	24.050	0.000	102100.000	105600.000	106900.000	76.553%	2264.000
σ		854.900	0.385	0.000	735.800	1040.000	1003.000	1.660%	7.744
%RSD		0.875	1.599	0.000	0.721	0.985	0.939	2.169	0.342
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:28:41	-0.392	0.047	0.330	109100.000	108600.000	0.167	0.538	0.991
2	18:29:24	-0.383	0.005	0.329	109400.000	109700.000	0.158	0.607	0.950
3	18:30:07	-0.514	0.035	0.340	110900.000	110200.000	0.163	0.378	0.974
X		-0.430	0.029	0.333	109800.000	109500.000	0.163	0.508	0.972
σ		0.073	0.022	0.006	948.900	791.300	0.004	0.117	0.020
%RSD		17.000	75.210	1.810	0.864	0.723	2.666	23.120	2.088
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:28:41	1.449	2.980	1.739	-0.008	0.520	0.133	0.000	4.822
2	18:29:24	1.367	2.877	1.579	0.190	0.726	0.233	0.000	4.865
3	18:30:07	1.342	2.669	1.679	0.273	0.656	0.445	0.000	4.961
X		1.386	2.842	1.666	0.152	0.634	0.270	0.000	4.883
σ		0.056	0.159	0.081	0.144	0.105	0.159	0.000	0.071
%RSD		4.047	5.584	4.881	94.930	16.530	58.920	0.000	1.458
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:28:41	77.190%	2241.000	2256.000	74.328%	0.098	0.100	0.573	0.230
2	18:29:24	78.482%	2289.000	2296.000	75.448%	0.118	0.095	0.372	0.160
3	18:30:07	78.526%	2300.000	2310.000	75.250%	0.102	0.102	0.413	0.357
X		78.066%	2277.000	2288.000	75.009%	0.106	0.099	0.452	0.249
σ		0.759%	31.490	28.080	0.598%	0.011	0.004	0.106	0.100
%RSD		0.972	1.383	1.227	0.797	9.967	4.013	23.460	40.190
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:28:41	81.345%	0.041	0.237	0.263	0.235	0.226	84.458%	84.337%
2	18:29:24	83.922%	0.045	0.207	0.271	0.232	0.244	87.681%	88.066%
3	18:30:07	84.178%	-0.073	0.218	0.260	0.206	0.209	88.834%	89.614%
X		83.148%	0.004	0.221	0.265	0.224	0.226	86.991%	87.339%
σ		1.567%	0.066	0.015	0.006	0.016	0.017	2.268%	2.713%
%RSD		1.884	1575.000	6.867	2.115	7.127	7.589	2.608	3.106
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:28:41	-0.003	-0.000	0.201	0.231	0.209	82.628%		
2	18:29:24	-0.004	-0.000	0.185	0.194	0.191	83.814%		
3	18:30:07	-0.004	-0.000	0.194	0.181	0.191	83.936%		
X		-0.004	-0.000	0.194	0.202	0.197	83.460%		
σ		0.000	0.000	0.008	0.026	0.010	0.722%		
%RSD		11.850	26.450	4.147	12.850	5.267	0.866		

ICSAB 668878

12/22/2012 6:32:19 PM

QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:01	66.043%	20.210	47.020	48.940	0.000	102800.000	97360.000	98830.000
2	18:33:44	66.152%	19.270	44.920	45.560	0.000	98590.000	91050.000	93280.000
3	18:34:27	64.405%	20.440	46.370	47.700	0.000	103500.000	96890.000	98600.000
X		65.533%	99.864%	92.207%	94.800%	0.000	101.605%	95.100%	96.905%
σ		0.979%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.493	3.109	2.329	3.603	0.000	2.593	3.699	3.238
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:01	96660.000	566.400	0.000	99740.000	103500.000	103400.000	75.578%	2204.000
2	18:33:44	91310.000	535.200	0.000	95040.000	99590.000	99810.000	75.046%	2106.000
3	18:34:27	95800.000	557.500	0.000	99310.000	103900.000	105200.000	72.654%	2174.000
X		94.586%	110.604%	0.000	98.032%	102.350%	102.790%	74.426%	108.064%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.558%	n/a
%RSD		3.038	2.901	0.000	2.652	2.346	2.662	2.093	2.340
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:01	20.850	21.100	21.670	105100.000	105100.000	20.310	19.970	20.170
2	18:33:44	19.880	20.300	20.840	101300.000	101400.000	19.640	18.830	19.450
3	18:34:27	20.900	20.990	22.010	106100.000	105300.000	20.490	20.410	20.220
X		102.719%	103.973%	93.504%	104.183%	103.925%	100.731%	98.684%	99.735%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.796	2.096	2.780	2.412	2.128	2.221	4.128	2.174
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:01	20.720	23.480	21.430	20.530	53.130	52.260	0.000	24.030
2	18:33:44	19.670	22.110	21.070	19.300	50.130	49.390	0.000	23.390
3	18:34:27	20.580	23.160	21.350	20.280	52.500	51.100	0.000	24.090
X		101.625%	91.673%	85.135%	100.180%	103.840%	101.833%	0.000	119.193%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.806	3.130	0.884	3.229	3.039	2.831	0.000	1.618
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:01	84.099%	2120.000	2162.000	74.908%	20.010	20.110	20.460	20.130
2	18:33:44	86.710%	2044.000	2104.000	76.641%	19.350	19.100	19.620	19.630
3	18:34:27	85.158%	2140.000	2192.000	75.541%	20.130	20.270	20.890	20.460
X		85.322%	105.070%	107.638%	75.697%	99.156%	99.116%	101.621%	100.378%
σ		1.313%	n/a	n/a	0.876%	n/a	n/a	n/a	n/a
%RSD		1.539	2.393	2.076	1.158	2.124	3.204	3.188	2.084
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:01	83.986%	102.000	20.560	20.390	20.110	20.210	88.501%	89.187%
2	18:33:44	86.538%	99.240	19.690	19.930	19.660	19.340	93.264%	94.293%
3	18:34:27	85.600%	103.400	20.570	20.510	20.370	20.930	91.636%	93.275%
X		85.375%	101.526%	101.365%	101.387%	100.234%	100.806%	91.134%	92.252%
σ		1.291%	n/a	n/a	n/a	n/a	n/a	2.421%	2.703%
%RSD		1.512	2.069	2.469	1.504	1.803	3.936	2.656	2.930
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:33:01	20.820	20.650	21.080	20.960	20.990	85.007%		
2	18:33:44	20.120	20.160	20.530	20.510	20.530	88.863%		
3	18:34:27	21.350	21.530	21.610	21.490	21.590	86.906%		
X		103.818%	103.903%	105.369%	104.938%	105.184%	86.925%		
σ		n/a	n/a	n/a	n/a	n/a	1.928%		
%RSD		2.992	3.323	2.550	2.345	2.541	2.218		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:00	69.473%	100.000	95.910	95.270	0.000	49280.000	46630.000	47270.000
2	18:41:43	69.584%	99.880	93.240	94.030	0.000	49050.000	46280.000	46930.000
3	18:42:26	67.105%	100.700	96.960	96.700	0.000	50320.000	47070.000	47860.000
X		68.721%	100.198%	95.373%	95.332%	0.000	99.100%	93.316%	94.708%
σ		1.400%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.038	0.448	2.010	1.406	0.000	1.371	0.854	0.991
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:00	483.500	4949.000	0.000	47090.000	47480.000	48070.000	83.333%	97.710
2	18:41:43	477.900	4898.000	0.000	47180.000	48570.000	48620.000	81.389%	99.170
3	18:42:26	484.400	4981.000	0.000	47550.000	48620.000	49390.000	79.473%	100.900
X		96.386%	98.852%	0.000	94.546%	96.446%	97.390%	81.398%	99.248%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.930%	n/a
%RSD		0.736	0.847	0.000	0.513	1.342	1.359	2.371	1.589
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:00	96.200	96.910	503.100	24990.000	24810.000	96.340	95.130	93.990
2	18:41:43	97.880	99.100	513.100	25630.000	25470.000	97.690	96.830	96.630
3	18:42:26	99.370	100.000	514.700	26020.000	25580.000	98.270	97.040	95.740
X		97.814%	98.682%	102.061%	102.189%	101.145%	97.431%	96.333%	95.453%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.622	1.623	1.237	2.033	1.629	1.016	1.085	1.410
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:00	95.010	101.200	101.500	94.070	98.430	97.050	0.000	93.130
2	18:41:43	97.170	102.700	103.200	95.860	101.000	99.070	0.000	94.950
3	18:42:26	97.220	104.600	104.200	97.860	102.400	102.000	0.000	96.870
X		96.464%	102.857%	102.942%	95.928%	100.607%	99.390%	0.000	94.987%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.305	1.661	1.320	1.979	2.011	2.529	0.000	1.969
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:00	89.355%	97.000	97.090	84.102%	95.210	95.630	98.590	98.830
2	18:41:43	89.317%	100.100	100.300	84.123%	96.770	96.900	99.200	100.100
3	18:42:26	88.732%	101.600	103.300	83.500%	99.050	99.350	102.100	103.000
X		89.135%	99.566%	100.226%	83.908%	97.009%	97.293%	99.949%	100.621%
σ		0.349%	n/a	n/a	0.353%	n/a	n/a	n/a	n/a
%RSD		0.392	2.361	3.099	0.421	1.987	1.944	1.856	2.103
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:00	87.699%	94.810	95.340	95.310	93.390	93.700	92.738%	99.579%
2	18:41:43	89.384%	96.740	96.890	96.170	93.670	93.660	95.111%	101.140%
3	18:42:26	88.141%	100.000	99.670	100.000	97.530	96.510	95.852%	102.237%
X		88.408%	97.196%	97.302%	97.164%	94.866%	94.625%	94.567%	100.985%
σ		0.874%	n/a	n/a	n/a	n/a	n/a	1.627%	1.336%
%RSD		0.988	2.718	2.256	2.578	2.440	1.730	1.720	1.323
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:41:00	93.440	93.580	94.730	94.480	94.400	91.754%		
2	18:41:43	95.270	95.330	96.060	95.810	95.910	93.328%		
3	18:42:26	98.190	97.910	98.440	98.610	98.410	93.958%		
X		95.634%	95.608%	96.408%	96.304%	96.242%	93.013%		
σ		n/a	n/a	n/a	n/a	n/a	1.135%		
%RSD		2.508	2.276	1.948	2.189	2.103	1.220		

CCB1 12/22/2012 6:47:33 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:48:16	93.724%	-0.023	0.536	0.489	0.000	1.977	1.113	1.267
2	18:48:59	88.722%	-0.017	0.541	0.493	0.000	2.217	1.173	1.118
3	18:49:42	87.831%	-0.021	0.217	0.379	0.000	1.980	1.272	1.168
X		90.092%	-0.020	0.432	0.453	0.000	2.058	1.186	1.184
σ		3.177%	0.003	0.186	0.065	0.000	0.137	0.081	0.075
%RSD		3.526	14.920	43.010	14.230	0.000	6.670	6.805	6.370
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:48:16	-0.046	-1.382	0.000	-2.497	2.890	2.539	90.498%	0.048
2	18:48:59	0.026	-1.465	0.000	-1.745	0.064	3.318	88.002%	0.085
3	18:49:42	0.035	-1.693	0.000	-2.978	4.891	2.793	87.264%	0.011
X		0.005	-1.513	0.000	-2.407	2.615	2.883	88.588%	0.048
σ		0.044	0.161	0.000	0.621	2.425	0.398	1.695%	0.037
%RSD		862.800	10.660	0.000	25.820	92.740	13.790	1.914	77.400
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:48:16	0.014	0.033	0.246	9.530	13.580	0.001	-0.005	-0.046
2	18:48:59	0.036	0.046	0.264	7.020	9.652	-0.004	0.030	-0.024
3	18:49:42	-0.004	-0.013	0.242	3.027	7.189	-0.003	-0.005	-0.033
X		0.016	0.022	0.251	6.526	10.140	-0.002	0.007	-0.034
σ		0.020	0.031	0.011	3.279	3.222	0.002	0.020	0.011
%RSD		128.200	140.500	4.532	50.250	31.780	111.400	298.200	31.530
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:48:16	-0.027	-0.101	-0.095	-0.111	0.349	-0.520	0.000	0.005
2	18:48:59	-0.038	-0.132	-0.146	-0.018	0.304	-0.166	0.000	0.002
3	18:49:42	-0.038	-0.146	-0.223	-0.054	0.226	-0.239	0.000	0.007
X		-0.035	-0.127	-0.155	-0.061	0.293	-0.308	0.000	0.004
σ		0.006	0.023	0.065	0.047	0.062	0.187	0.000	0.003
%RSD		17.920	18.380	41.660	76.680	21.160	60.650	0.000	58.560
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:48:16	91.594%	1.054	1.018	93.566%	0.005	-0.001	-0.068	-0.053
2	18:48:59	92.476%	0.961	1.000	94.236%	-0.002	-0.000	0.014	0.003
3	18:49:42	92.557%	0.881	0.800	94.319%	0.002	0.001	-0.029	-0.016
X		92.209%	0.965	0.939	94.041%	0.002	-0.000	-0.028	-0.022
σ		0.534%	0.087	0.121	0.413%	0.003	0.001	0.041	0.028
%RSD		0.579	8.971	12.870	0.439	202.900	1247.000	146.800	128.700
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:48:16	96.958%	-0.141	-0.036	-0.039	-0.018	0.004	102.679%	104.053%
2	18:48:59	98.607%	-0.191	-0.029	-0.051	-0.033	0.005	104.303%	105.815%
3	18:49:42	99.474%	-0.280	-0.053	-0.054	-0.021	0.007	105.955%	107.403%
X		98.347%	-0.204	-0.039	-0.048	-0.024	0.005	104.312%	105.757%
σ		1.278%	0.070	0.012	0.008	0.008	0.002	1.638%	1.676%
%RSD		1.300	34.440	31.070	15.960	34.190	36.810	1.570	1.585
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:48:16	0.003	0.008	0.032	0.023	0.026	106.734%		
2	18:48:59	0.006	0.009	0.012	0.016	0.011	108.710%		
3	18:49:42	0.007	0.009	0.015	0.007	0.013	110.518%		
X		0.006	0.009	0.020	0.016	0.017	108.654%		
σ		0.002	0.001	0.011	0.008	0.008	1.893%		
%RSD		43.340	5.957	53.270	53.100	48.480	1.742		

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12/22/2012 6:51:52 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:35	71.270%	7.308	31.570	32.120	0.000	572.400	46080.000	47650.000
2	18:53:18	72.389%	7.318	32.840	32.970	0.000	576.600	46300.000	48090.000
3	18:54:01	74.446%	7.234	31.790	32.480	0.000	561.500	45910.000	47660.000
X		72.702%	7.287	32.070	32.520	0.000	570.100	46100.000	47800.000
σ		1.611%	0.046	0.676	0.427	0.000	7.787	192.200	250.900
%RSD		2.216	0.634	2.109	1.313	0.000	1.366	0.417	0.525
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:35	130500.000	1753.000	0.000	13310.000	102700.000	104300.000	86.215%	663.100
2	18:53:18	133000.000	1801.000	0.000	13730.000	105000.000	106300.000	85.225%	673.600
3	18:54:01	130500.000	1774.000	0.000	13610.000	104700.000	106200.000	85.360%	681.000
X		131300.000	1776.000	0.000	13550.000	104100.000	105600.000	85.600%	672.600
σ		1452.000	23.830	0.000	219.200	1251.000	1115.000	0.537%	8.959
%RSD		1.105	1.342	0.000	1.618	1.201	1.056	0.627	1.332
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:35	221.900	216.600	3035.000	289400.000	300200.000	126.300	300.800	213.400
2	18:53:18	227.900	224.000	3094.000	293900.000	307000.000	129.000	305.100	217.700
3	18:54:01	229.100	224.300	3108.000	294100.000	307000.000	129.200	306.900	218.500
X		226.300	221.600	3079.000	292400.000	304700.000	128.200	304.200	216.600
σ		3.843	4.349	38.880	2633.000	3891.000	1.608	3.147	2.780
%RSD		1.698	1.962	1.263	0.900	1.277	1.255	1.034	1.284
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:35	213.800	649.600	660.300	126.900	3.132	6.286	0.000	199.000
2	18:53:18	219.500	662.100	669.200	128.500	3.051	6.482	0.000	201.900
3	18:54:01	218.300	659.900	675.000	130.000	3.203	6.988	0.000	201.800
X		217.200	657.200	668.200	128.500	3.129	6.585	0.000	200.900
σ		3.039	6.696	7.386	1.540	0.076	0.362	0.000	1.686
%RSD		1.399	1.019	1.105	1.198	2.440	5.499	0.000	0.840
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:35	0.000	18.460	18.500	78.013%	0.384	0.268	2.191	1.651
2	18:53:18	0.000	18.770	18.710	78.467%	0.372	0.245	2.316	1.690
3	18:54:01	0.000	18.930	18.590	78.385%	0.403	0.235	2.208	1.674
X		0.000	18.720	18.600	78.288%	0.386	0.250	2.238	1.671
σ		0.000	0.239	0.106	0.242%	0.016	0.017	0.068	0.019
%RSD		0.000	1.278	0.569	0.308	4.025	6.680	3.019	1.161
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:35	84.449%	17.670	1.476	1.503	775.500	778.800	95.409%	94.724%
2	18:53:18	85.513%	17.020	1.369	1.400	782.400	777.800	95.416%	94.601%
3	18:54:01	85.395%	16.140	1.328	1.385	792.500	789.500	94.849%	94.226%
X		85.119%	16.940	1.391	1.429	783.500	782.000	95.225%	94.517%
σ		0.583%	0.769	0.077	0.065	8.553	6.502	0.325%	0.259%
%RSD		0.685	4.542	5.513	4.517	1.092	0.831	0.342	0.274
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:52:35	1.989	2.030	155.600	154.000	154.400	79.846%		
2	18:53:18	2.010	2.051	157.400	155.900	156.400	79.453%		
3	18:54:01	2.138	2.090	158.100	156.500	157.400	78.853%		
X		2.046	2.057	157.000	155.500	156.000	79.384%		
σ		0.081	0.030	1.301	1.279	1.548	0.500%		
%RSD		3.952	1.469	0.829	0.823	0.992	0.630		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:56:52	77.601%	6.580	67.100	66.640	0.000	752.100	55440.000	57650.000
2	18:57:34	79.725%	6.617	65.110	66.120	0.000	751.900	54850.000	57160.000
3	18:58:17	74.217%	6.848	66.030	67.580	0.000	761.000	55750.000	59060.000
X		77.181%	6.682	66.080	66.780	0.000	755.000	55350.000	57960.000
σ		2.778%	0.146	0.999	0.740	0.000	5.217	455.100	982.100
%RSD		3.599	2.180	1.512	1.109	0.000	0.691	0.822	1.694
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:56:52	123200.000	3365.000	0.000	19070.000	137200.000	138500.000	87.338%	779.500
2	18:57:34	121500.000	3283.000	0.000	18980.000	138900.000	140900.000	86.675%	780.600
3	18:58:17	124200.000	3383.000	0.000	18820.000	137900.000	140600.000	84.347%	779.900
X		123000.000	3344.000	0.000	18960.000	138000.000	140000.000	86.120%	780.000
σ		1355.000	53.620	0.000	128.300	850.600	1283.000	1.571%	0.531
%RSD		1.102	1.604	0.000	0.677	0.617	0.916	1.824	0.068
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:56:52	206.800	210.500	3745.000	291000.000	304800.000	132.400	319.500	200.700
2	18:57:34	209.000	212.800	3803.000	295700.000	308800.000	134.700	320.600	203.800
3	18:58:17	208.400	212.700	3832.000	296400.000	308400.000	134.500	325.900	205.700
X		208.100	212.000	3793.000	294400.000	307300.000	133.900	322.000	203.400
σ		1.118	1.276	44.110	2948.000	2154.000	1.261	3.434	2.517
%RSD		0.537	0.602	1.163	1.001	0.701	0.942	1.066	1.237
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:56:52	203.400	649.900	658.900	143.500	2.634	5.713	0.000	253.100
2	18:57:34	204.700	654.000	667.400	145.900	2.408	5.567	0.000	256.000
3	18:58:17	207.000	658.900	670.100	146.100	2.667	6.008	0.000	259.600
X		205.100	654.300	665.500	145.200	2.570	5.763	0.000	256.200
σ		1.834	4.530	5.808	1.441	0.141	0.225	0.000	3.275
%RSD		0.894	0.692	0.873	0.992	5.497	3.896	0.000	1.278
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:56:52	0.000	13.240	13.140	75.649%	0.425	0.249	2.024	1.530
2	18:57:34	0.000	13.060	13.260	76.019%	0.411	0.252	1.905	1.365
3	18:58:17	0.000	13.090	13.280	76.391%	0.402	0.255	1.946	1.404
X		0.000	13.130	13.230	76.019%	0.413	0.252	1.958	1.433
σ		0.000	0.095	0.078	0.371%	0.012	0.003	0.061	0.086
%RSD		0.000	0.723	0.591	0.488	2.851	1.185	3.105	6.033
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:56:52	80.897%	23.180	1.266	1.249	661.500	658.800	89.339%	87.838%
2	18:57:34	82.263%	23.020	1.192	1.191	666.400	665.500	90.217%	88.858%
3	18:58:17	82.273%	22.770	1.143	1.147	671.700	669.900	92.418%	90.954%
X		81.811%	22.990	1.200	1.196	666.500	664.700	90.658%	89.217%
σ		0.792%	0.208	0.062	0.051	5.093	5.576	1.586%	1.589%
%RSD		0.968	0.904	5.161	4.258	0.764	0.839	1.750	1.781
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	18:56:52	1.761	1.796	154.600	153.600	153.700	71.570%		
2	18:57:34	1.809	1.823	156.600	154.600	155.900	72.971%		
3	18:58:17	1.738	1.759	152.500	150.900	151.600	76.363%		
X		1.769	1.793	154.600	153.000	153.800	73.635%		
σ		0.036	0.032	2.067	1.925	2.157	2.465%		
%RSD		2.056	1.767	1.337	1.258	1.403	3.347		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:08	89.539%	1.269	7.234	7.340	0.000	197.700	2859.000	3541.000
2	19:01:51	89.148%	1.207	7.214	7.474	0.000	198.500	2776.000	3567.000
3	19:02:34	87.588%	1.242	7.059	7.329	0.000	202.000	3193.000	3560.000
X		88.759%	1.239	7.169	7.381	0.000	199.400	2943.000	3556.000
σ		1.032%	0.031	0.096	0.081	0.000	2.272	221.100	13.680
%RSD		1.163	2.517	1.339	1.095	0.000	1.139	7.513	0.385
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:08	10140.000	458.400	0.000	749.900	30090.000	30640.000	96.861%	83.380
2	19:01:51	10290.000	461.500	0.000	748.700	29960.000	30700.000	96.712%	83.790
3	19:02:34	10290.000	468.300	0.000	776.800	31000.000	30830.000	95.033%	83.290
X		10240.000	462.700	0.000	758.500	30350.000	30730.000	96.202%	83.490
σ		83.790	5.027	0.000	15.890	566.200	95.500	1.015%	0.265
%RSD		0.819	1.086	0.000	2.095	1.865	0.311	1.055	0.317
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:08	9.640	13.440	2677.000	12830.000	12620.000	6.573	13.800	14.260
2	19:01:51	9.438	13.310	2707.000	12780.000	12670.000	6.671	13.960	14.520
3	19:02:34	9.642	13.720	2744.000	12990.000	13010.000	6.922	14.140	14.790
X		9.574	13.490	2709.000	12870.000	12760.000	6.722	13.970	14.520
σ		0.117	0.211	33.640	110.400	213.200	0.180	0.172	0.268
%RSD		1.224	1.567	1.242	0.858	1.670	2.673	1.233	1.847
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:08	14.650	94.220	95.590	5.928	0.362	-0.505	0.000	63.180
2	19:01:51	14.870	94.280	94.040	6.010	0.343	-0.618	0.000	64.250
3	19:02:34	14.700	95.510	96.250	6.056	0.361	-0.261	0.000	64.660
X		14.740	94.670	95.290	5.998	0.355	-0.461	0.000	64.030
σ		0.113	0.727	1.136	0.065	0.011	0.183	0.000	0.764
%RSD		0.767	0.768	1.193	1.076	3.084	39.660	0.000	1.194
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:08	101.174%	0.944	0.803	93.914%	1.518	1.529	0.546	0.550
2	19:01:51	102.419%	0.815	0.848	94.784%	1.562	1.603	0.556	0.503
3	19:02:34	102.910%	0.798	0.830	95.444%	1.550	1.550	0.512	0.524
X		102.168%	0.852	0.827	94.714%	1.543	1.561	0.538	0.526
σ		0.895%	0.080	0.023	0.767%	0.023	0.038	0.023	0.023
%RSD		0.876	9.362	2.749	0.810	1.474	2.459	4.289	4.466
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:08	96.509%	0.933	0.140	0.130	83.950	84.800	98.231%	98.734%
2	19:01:51	98.196%	1.005	0.139	0.131	84.740	85.450	100.884%	101.559%
3	19:02:34	99.002%	1.020	0.135	0.124	85.310	86.050	102.321%	102.827%
X		97.902%	0.986	0.138	0.128	84.670	85.440	100.479%	101.040%
σ		1.272%	0.046	0.002	0.004	0.684	0.622	2.075%	2.095%
%RSD		1.299	4.685	1.750	3.138	0.808	0.728	2.065	2.074
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:01:08	0.091	0.087	20.290	19.940	19.940	94.368%		
2	19:01:51	0.088	0.093	20.580	20.070	20.200	97.575%		
3	19:02:34	0.086	0.080	20.270	19.970	20.080	99.139%		
X		0.088	0.087	20.380	19.990	20.080	97.028%		
σ		0.002	0.007	0.176	0.068	0.132	2.432%		
%RSD		2.738	7.990	0.864	0.339	0.655	2.507		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:04	119.515%	-0.014	0.116	0.203	0.000	5.942	5.760	5.903
2	19:09:47	115.558%	-0.016	0.142	0.165	0.000	5.449	6.024	6.257
3	19:10:30	110.510%	-0.031	0.062	0.149	0.000	5.379	6.100	6.446
X		115.195%	-0.020	0.107	0.172	0.000	5.590	5.962	6.202
σ		4.513%	0.009	0.041	0.028	0.000	0.307	0.178	0.276
%RSD		3.918	46.530	38.440	16.100	0.000	5.486	2.993	4.443
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:04	6.063	-0.246	0.000	0.204	15.400	23.530	120.348%	0.002
2	19:09:47	6.922	-0.127	0.000	-1.440	21.730	20.490	118.829%	0.057
3	19:10:30	7.286	0.109	0.000	-1.137	19.580	22.370	116.596%	0.016
X		6.757	-0.088	0.000	-0.791	18.910	22.130	118.591%	0.025
σ		0.628	0.180	0.000	0.875	3.218	1.537	1.887%	0.029
%RSD		9.297	205.000	0.000	110.600	17.020	6.945	1.591	114.600
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:04	-0.081	0.171	0.223	23.300	20.920	-0.009	0.017	0.056
2	19:09:47	-0.051	0.148	0.307	22.670	20.700	-0.006	0.015	0.039
3	19:10:30	-0.126	0.143	0.378	24.500	20.090	-0.004	0.013	0.019
X		-0.086	0.154	0.303	23.490	20.570	-0.006	0.015	0.038
σ		0.038	0.015	0.077	0.927	0.431	0.003	0.002	0.019
%RSD		44.050	9.851	25.530	3.947	2.094	44.040	14.910	48.950
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:04	0.055	0.347	0.563	-0.167	-0.001	-0.640	0.000	0.052
2	19:09:47	0.070	0.486	0.574	-0.223	0.067	-0.442	0.000	0.063
3	19:10:30	0.028	0.350	0.579	-0.162	0.123	-0.668	0.000	0.061
X		0.051	0.395	0.572	-0.184	0.063	-0.584	0.000	0.059
σ		0.021	0.079	0.008	0.034	0.062	0.123	0.000	0.006
%RSD		41.590	20.140	1.404	18.370	97.980	21.090	0.000	9.983
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:04	102.614%	0.160	0.151	102.682%	-0.008	-0.012	-0.003	-0.004
2	19:09:47	104.257%	0.119	0.146	104.554%	-0.010	-0.008	-0.038	-0.033
3	19:10:30	104.738%	0.137	0.127	105.125%	-0.008	-0.009	-0.005	0.003
X		103.869%	0.139	0.141	104.121%	-0.009	-0.010	-0.016	-0.011
σ		1.114%	0.020	0.012	1.278%	0.001	0.002	0.019	0.019
%RSD		1.072	14.710	8.676	1.227	13.290	17.400	125.300	170.900
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:04	101.578%	1.765	-0.093	-0.086	0.140	0.136	101.608%	101.163%
2	19:09:47	103.670%	1.606	-0.092	-0.079	0.143	0.146	104.532%	104.347%
3	19:10:30	104.769%	1.349	-0.094	-0.084	0.129	0.111	105.401%	105.699%
X		103.339%	1.573	-0.093	-0.083	0.137	0.131	103.847%	103.736%
σ		1.621%	0.210	0.001	0.004	0.007	0.018	1.987%	2.329%
%RSD		1.569	13.340	1.448	4.298	5.373	13.740	1.913	2.245
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:09:04	-0.012	-0.009	0.068	0.068	0.065	100.241%		
2	19:09:47	-0.010	-0.010	0.060	0.086	0.063	103.514%		
3	19:10:30	-0.013	-0.010	0.053	0.055	0.052	104.986%		
X		-0.011	-0.010	0.061	0.070	0.060	102.914%		
σ		0.001	0.000	0.008	0.016	0.007	2.429%		
%RSD		12.510	4.446	12.630	22.600	11.390	2.360		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:21	85.193%	851.600	81.050	81.960	0.000	8952.000	8478.000	8808.000
2	19:14:04	83.832%	852.700	81.220	81.450	0.000	8889.000	8433.000	8826.000
3	19:14:47	81.641%	849.000	80.240	82.990	0.000	8915.000	8396.000	8780.000
X		83.555%	851.100	80.840	82.140	0.000	8919.000	8436.000	8805.000
σ		1.792%	1.895	0.525	0.785	0.000	31.780	41.490	23.250
%RSD		2.145	0.223	0.650	0.956	0.000	0.356	0.492	0.264
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:21	8664.000	23.260	0.000	8638.000	9590.000	9069.000	93.766%	89.830
2	19:14:04	8622.000	23.960	0.000	8675.000	9677.000	9156.000	89.845%	89.760
3	19:14:47	8619.000	23.530	0.000	8534.000	9578.000	9179.000	88.856%	90.770
X		8635.000	23.580	0.000	8616.000	9615.000	9135.000	90.823%	90.120
σ		25.420	0.354	0.000	73.340	54.040	58.090	2.597%	0.563
%RSD		0.294	1.503	0.000	0.851	0.562	0.636	2.859	0.625
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:21	904.900	926.200	947.800	9653.000	9398.000	920.700	913.800	853.800
2	19:14:04	909.000	932.400	949.900	9601.000	9365.000	913.800	913.700	862.400
3	19:14:47	922.200	939.900	950.900	9532.000	9384.000	917.100	901.800	846.700
X		912.000	932.800	949.500	9595.000	9383.000	917.200	909.800	854.300
σ		9.017	6.827	1.563	60.970	16.650	3.475	6.896	7.867
%RSD		0.989	0.732	0.165	0.635	0.177	0.379	0.758	0.921
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:21	925.800	877.900	881.500	841.000	818.100	826.100	0.000	908.400
2	19:14:04	920.900	884.800	895.300	846.600	821.700	830.300	0.000	914.100
3	19:14:47	913.100	875.800	886.200	827.000	805.000	814.400	0.000	908.300
X		919.900	879.500	887.700	838.200	814.900	823.600	0.000	910.200
σ		6.377	4.705	7.020	10.100	8.750	8.248	0.000	3.310
%RSD		0.693	0.535	0.791	1.204	1.074	1.001	0.000	0.364
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:21	89.615%	89.360	88.430	89.470%	92.120	92.850	865.500	880.500
2	19:14:04	89.117%	90.840	90.220	88.736%	92.690	93.260	870.200	883.900
3	19:14:47	88.761%	90.460	90.430	88.729%	92.200	93.000	869.100	877.300
X		89.164%	90.220	89.690	88.979%	92.340	93.040	868.200	880.500
σ		0.429%	0.772	1.102	0.425%	0.309	0.205	2.461	3.295
%RSD		0.481	0.856	1.228	0.478	0.334	0.220	0.283	0.374
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:21	92.087%	95.900	83.860	83.250	860.800	864.200	96.927%	97.977%
2	19:14:04	92.285%	96.340	84.430	83.870	861.600	867.400	98.420%	99.312%
3	19:14:47	92.487%	95.610	84.200	83.920	857.200	860.500	98.456%	99.765%
X		92.286%	95.950	84.160	83.680	859.900	864.000	97.934%	99.018%
σ		0.200%	0.367	0.290	0.372	2.357	3.448	0.873%	0.929%
%RSD		0.217	0.383	0.345	0.445	0.274	0.399	0.891	0.939
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:13:21	218.300	217.500	874.000	913.000	895.200	90.190%		
2	19:14:04	220.000	219.300	879.600	919.700	898.900	92.084%		
3	19:14:47	217.600	216.300	859.000	898.300	881.700	93.711%		
X		218.600	217.700	870.900	910.300	891.900	91.995%		
σ		1.252	1.536	10.630	10.970	9.035	1.762%		
%RSD		0.573	0.706	1.221	1.206	1.013	1.915		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:35	86.038%	5.184	22.980	23.480	0.000	426.400	31770.000	33320.000
2	19:21:18	83.474%	5.289	23.140	23.470	0.000	435.000	32500.000	33990.000
3	19:22:01	82.957%	5.323	23.620	24.490	0.000	439.400	33070.000	34220.000
X		84.156%	5.265	23.250	23.810	0.000	433.600	32450.000	33840.000
σ		1.650%	0.073	0.331	0.585	0.000	6.635	654.900	463.800
%RSD		1.961	1.382	1.424	2.456	0.000	1.530	2.018	1.370
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:35	95890.000	2051.000	0.000	10270.000	26080.000	26660.000	97.758%	569.700
2	19:21:18	96510.000	2081.000	0.000	10210.000	26050.000	26840.000	97.024%	579.000
3	19:22:01	96400.000	2124.000	0.000	10360.000	27040.000	27380.000	94.385%	594.700
X		96270.000	2086.000	0.000	10280.000	26390.000	26960.000	96.389%	581.100
σ		333.800	36.600	0.000	74.370	562.600	374.700	1.774%	12.650
%RSD		0.347	1.755	0.000	0.723	2.132	1.390	1.841	2.178
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:35	153.500	153.200	2646.000	245000.000	254700.000	105.700	244.300	207.200
2	19:21:18	155.300	153.800	2685.000	247300.000	257200.000	108.300	250.900	210.900
3	19:22:01	157.600	158.200	2720.000	251800.000	261000.000	109.200	252.900	213.800
X		155.500	155.000	2684.000	248000.000	257600.000	107.700	249.300	210.600
σ		2.102	2.757	37.140	3500.000	3125.000	1.820	4.512	3.340
%RSD		1.352	1.778	1.384	1.411	1.213	1.689	1.809	1.586
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:35	208.600	583.600	590.300	129.100	3.743	7.532	0.000	82.830
2	19:21:18	213.200	591.400	602.100	130.800	3.266	6.581	0.000	83.850
3	19:22:01	214.800	603.000	613.800	133.000	2.888	6.521	0.000	86.320
X		212.200	592.700	602.100	131.000	3.299	6.878	0.000	84.330
σ		3.226	9.769	11.750	1.967	0.428	0.567	0.000	1.797
%RSD		1.520	1.648	1.951	1.502	12.990	8.243	0.000	2.130
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:35	0.000	11.290	11.490	84.694%	0.244	0.109	1.760	1.381
2	19:21:18	0.000	11.380	11.540	85.956%	0.217	0.120	1.746	1.343
3	19:22:01	0.000	11.530	11.920	84.041%	0.249	0.129	1.821	1.402
X		0.000	11.400	11.650	84.897%	0.237	0.119	1.775	1.375
σ		0.000	0.122	0.233	0.973%	0.017	0.010	0.040	0.030
%RSD		0.000	1.069	2.001	1.146	7.258	8.081	2.232	2.180
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:35	88.392%	9.242	0.791	0.772	456.500	456.000	96.305%	95.129%
2	19:21:18	89.890%	9.103	0.761	0.813	461.400	459.800	98.739%	97.250%
3	19:22:01	88.695%	9.468	0.762	0.788	472.600	468.400	97.673%	96.329%
X		88.992%	9.271	0.772	0.791	463.500	461.400	97.572%	96.236%
σ		0.792%	0.184	0.017	0.020	8.280	6.353	1.220%	1.063%
%RSD		0.890	1.989	2.212	2.587	1.786	1.377	1.250	1.105
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:20:35	1.780	1.790	117.300	115.400	116.200	80.423%		
2	19:21:18	1.777	1.794	119.600	117.400	118.600	81.509%		
3	19:22:01	1.758	1.739	121.800	120.300	120.900	81.534%		
X		1.772	1.774	119.600	117.700	118.500	81.155%		
σ		0.012	0.031	2.228	2.458	2.373	0.634%		
%RSD		0.669	1.740	1.863	2.088	2.002	0.781		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:53	90.473%	1.144	5.039	5.207	0.000	82.970	6535.000	6808.000
2	19:25:36	86.953%	1.080	5.338	5.296	0.000	85.310	6629.000	6918.000
3	19:26:19	86.282%	1.021	4.676	4.955	0.000	78.790	6100.000	6453.000
X		87.903%	1.082	5.018	5.152	0.000	82.360	6421.000	6726.000
σ		2.251%	0.061	0.332	0.177	0.000	3.302	282.200	242.800
%RSD		2.561	5.660	6.609	3.431	0.000	4.010	4.395	3.609
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:53	19430.000	444.300	0.000	2110.000	5336.000	5302.000	98.931%	117.200
2	19:25:36	19850.000	457.700	0.000	2134.000	5442.000	5445.000	95.910%	120.500
3	19:26:19	18690.000	430.000	0.000	1962.000	5016.000	4965.000	96.613%	110.000
X		19320.000	444.000	0.000	2069.000	5265.000	5237.000	97.152%	115.900
σ		587.000	13.820	0.000	92.780	221.500	246.400	1.581%	5.371
%RSD		3.038	3.112	0.000	4.485	4.207	4.705	1.627	4.633
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:53	30.170	31.080	532.700	52100.000	50970.000	20.720	49.890	42.710
2	19:25:36	31.110	31.390	541.800	52680.000	51720.000	20.950	49.490	42.940
3	19:26:19	28.370	29.110	503.900	49290.000	48230.000	19.690	46.330	39.890
X		29.890	30.530	526.200	51360.000	50310.000	20.450	48.570	41.850
σ		1.395	1.238	19.760	1813.000	1840.000	0.672	1.952	1.700
%RSD		4.667	4.055	3.755	3.530	3.658	3.286	4.020	4.061
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:53	42.440	126.800	128.000	25.930	0.201	-0.688	0.000	14.190
2	19:25:36	41.800	128.500	130.500	26.530	0.215	-0.687	0.000	14.340
3	19:26:19	39.750	120.800	123.200	24.470	-0.013	-0.987	0.000	13.490
X		41.330	125.400	127.200	25.640	0.134	-0.787	0.000	14.010
σ		1.403	4.045	3.707	1.056	0.128	0.173	0.000	0.453
%RSD		3.396	3.227	2.913	4.117	95.140	21.980	0.000	3.235
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:53	109.780%	2.067	2.185	94.574%	0.038	0.016	0.374	0.290
2	19:25:36	109.806%	2.087	2.187	93.308%	0.038	0.012	0.283	0.239
3	19:26:19	111.272%	1.972	1.978	96.151%	0.036	0.011	0.159	0.133
X		110.286%	2.042	2.117	94.678%	0.037	0.013	0.272	0.221
σ		0.854%	0.061	0.120	1.424%	0.001	0.003	0.108	0.080
%RSD		0.774	3.007	5.685	1.505	3.224	21.490	39.710	36.330
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:53	95.742%	1.159	0.095	0.110	92.750	93.480	99.462%	99.631%
2	19:25:36	96.024%	1.301	0.104	0.099	94.680	94.890	100.486%	100.923%
3	19:26:19	99.044%	1.188	0.074	0.086	87.670	88.120	104.827%	105.041%
X		96.937%	1.216	0.091	0.098	91.700	92.160	101.592%	101.865%
σ		1.830%	0.075	0.016	0.012	3.621	3.574	2.848%	2.825%
%RSD		1.888	6.143	17.200	11.810	3.949	3.878	2.804	2.774
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:24:53	0.427	0.413	22.880	22.510	22.690	92.682%		
2	19:25:36	0.393	0.392	23.190	22.780	22.870	95.175%		
3	19:26:19	0.347	0.355	21.400	20.930	21.090	100.529%		
X		0.389	0.386	22.490	22.070	22.220	96.129%		
σ		0.040	0.029	0.957	1.000	0.980	4.009%		
%RSD		10.230	7.558	4.255	4.531	4.410	4.171		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:12	80.062%	5.372	23.790	24.200	0.000	422.700	31280.000	32420.000
2	19:29:55	77.011%	5.321	24.250	24.150	0.000	423.300	31600.000	32940.000
3	19:30:38	76.317%	5.441	25.140	25.110	0.000	417.800	31170.000	32360.000
X		77.797%	5.378	24.390	24.490	0.000	421.300	31350.000	32570.000
σ		1.992%	0.060	0.684	0.544	0.000	3.043	226.100	318.700
%RSD		2.561	1.123	2.804	2.221	0.000	0.722	0.721	0.979
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:12	94750.000	1693.000	0.000	10250.000	24480.000	25120.000	90.854%	498.700
2	19:29:55	95080.000	1724.000	0.000	10270.000	24910.000	25360.000	87.327%	503.700
3	19:30:38	93970.000	1685.000	0.000	10120.000	24460.000	25270.000	86.514%	498.700
X		94600.000	1701.000	0.000	10210.000	24620.000	25250.000	88.232%	500.400
σ		568.600	20.380	0.000	78.280	253.900	118.600	2.307%	2.903
%RSD		0.601	1.199	0.000	0.766	1.031	0.470	2.615	0.580
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:12	149.000	152.200	2797.000	241900.000	249100.000	104.400	242.800	204.500
2	19:29:55	148.300	151.600	2825.000	246200.000	250700.000	104.600	241.600	208.400
3	19:30:38	148.900	151.900	2829.000	245000.000	252100.000	106.200	244.600	207.100
X		148.700	151.900	2817.000	244400.000	250600.000	105.100	243.000	206.700
σ		0.350	0.276	17.560	2264.000	1524.000	0.972	1.508	1.976
%RSD		0.235	0.182	0.623	0.926	0.608	0.925	0.621	0.956
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:12	205.100	603.200	607.100	130.300	2.153	4.609	0.000	81.370
2	19:29:55	207.300	613.200	618.300	131.900	2.582	5.353	0.000	82.480
3	19:30:38	207.100	615.300	623.100	130.300	2.250	5.149	0.000	83.070
X		206.500	610.500	616.200	130.800	2.328	5.037	0.000	82.310
σ		1.205	6.487	8.174	0.924	0.225	0.384	0.000	0.863
%RSD		0.584	1.062	1.327	0.706	9.670	7.631	0.000	1.048
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:12	0.000	10.510	10.720	79.913%	0.247	0.119	1.943	1.430
2	19:29:55	0.000	10.510	10.730	79.198%	0.250	0.119	1.899	1.427
3	19:30:38	0.000	10.760	11.080	78.671%	0.252	0.120	1.803	1.393
X		0.000	10.590	10.840	79.261%	0.249	0.119	1.882	1.417
σ		0.000	0.146	0.203	0.624%	0.003	0.001	0.072	0.020
%RSD		0.000	1.380	1.872	0.787	1.033	0.551	3.801	1.427
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:12	83.390%	7.068	0.734	0.770	430.200	428.100	92.838%	91.479%
2	19:29:55	83.854%	7.064	0.779	0.764	428.300	430.000	94.019%	92.487%
3	19:30:38	83.850%	7.031	0.729	0.729	431.300	430.700	94.256%	92.859%
X		83.698%	7.054	0.747	0.754	429.900	429.600	93.704%	92.275%
σ		0.267%	0.020	0.028	0.022	1.489	1.353	0.759%	0.714%
%RSD		0.319	0.290	3.686	2.917	0.346	0.315	0.810	0.774
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:29:12	1.545	1.496	136.400	135.000	136.100	78.307%		
2	19:29:55	1.559	1.522	136.600	136.200	136.300	80.469%		
3	19:30:38	1.565	1.551	137.600	136.800	137.400	80.613%		
X		1.556	1.523	136.800	136.000	136.600	79.797%		
σ		0.010	0.027	0.647	0.881	0.700	1.292%		
%RSD		0.663	1.782	0.473	0.648	0.513	1.619		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:33:31	78.140%	86.900	99.130	100.400	0.000	9039.000	41170.000	42630.000
2	19:34:14	76.842%	86.730	102.400	103.600	0.000	9027.000	41590.000	43600.000
3	19:34:57	75.958%	89.040	101.700	105.300	0.000	9128.000	42190.000	44000.000
X		76.980%	87.550	101.100	103.100	0.000	9065.000	41650.000	43410.000
σ		1.098%	1.292	1.726	2.471	0.000	55.200	511.800	705.400
%RSD		1.426	1.475	1.707	2.397	0.000	0.609	1.229	1.625
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:33:31	118500.000	3613.000	0.000	20300.000	32530.000	33440.000	89.388%	645.100
2	19:34:14	121400.000	3683.000	0.000	20700.000	33320.000	33740.000	86.309%	662.400
3	19:34:57	121800.000	3684.000	0.000	21070.000	33410.000	34280.000	85.636%	662.700
X		120600.000	3660.000	0.000	20690.000	33080.000	33820.000	87.111%	656.700
σ		1777.000	41.100	0.000	384.700	484.900	423.100	2.000%	10.060
%RSD		1.474	1.123	0.000	1.860	1.466	1.251	2.296	1.532
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:33:31	264.600	252.900	2896.000	259500.000	269000.000	195.700	332.900	290.200
2	19:34:14	272.600	260.600	2998.000	267400.000	276400.000	200.000	341.400	296.800
3	19:34:57	273.200	263.600	3001.000	269400.000	278300.000	201.900	343.700	299.100
X		270.100	259.000	2965.000	265500.000	274500.000	199.200	339.400	295.400
σ		4.803	5.482	59.900	5234.000	4916.000	3.177	5.666	4.631
%RSD		1.778	2.116	2.020	1.972	1.791	1.595	1.670	1.568
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:33:31	292.700	669.900	677.200	208.200	72.570	76.870	0.000	186.600
2	19:34:14	296.000	687.900	696.300	213.000	74.270	78.520	0.000	190.900
3	19:34:57	301.200	697.700	704.300	215.300	75.670	79.260	0.000	192.700
X		296.600	685.200	692.600	212.200	74.170	78.220	0.000	190.100
σ		4.271	14.140	13.930	3.619	1.552	1.228	0.000	3.179
%RSD		1.440	2.064	2.011	1.706	2.093	1.570	0.000	1.672
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:33:31	0.000	95.430	95.500	76.712%	85.170	85.240	84.600	83.350
2	19:34:14	0.000	97.380	97.620	76.834%	86.820	86.250	85.020	84.410
3	19:34:57	0.000	98.110	98.030	76.407%	87.560	87.400	85.700	85.440
X		0.000	96.970	97.050	76.651%	86.520	86.300	85.110	84.400
σ		0.000	1.387	1.358	0.220%	1.223	1.080	0.554	1.042
%RSD		0.000	1.430	1.399	0.288	1.414	1.251	0.651	1.234
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:33:31	80.938%	81.920	21.860	21.500	554.400	555.800	90.420%	88.945%
2	19:34:14	81.522%	83.090	22.350	22.000	564.600	563.400	91.422%	90.542%
3	19:34:57	81.049%	83.950	22.460	22.400	567.800	568.700	91.579%	90.756%
X		81.170%	82.990	22.220	21.970	562.300	562.600	91.140%	90.081%
σ		0.310%	1.019	0.317	0.450	7.010	6.520	0.629%	0.990%
%RSD		0.382	1.228	1.428	2.047	1.247	1.159	0.690	1.099
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:33:31	86.080	86.580	212.300	215.300	213.700	74.550%		
2	19:34:14	87.690	87.860	214.800	218.700	216.700	75.926%		
3	19:34:57	89.210	90.030	219.800	222.000	220.900	75.330%		
X		87.660	88.160	215.600	218.700	217.100	75.268%		
σ		1.565	1.744	3.828	3.355	3.607	0.690%		
%RSD		1.786	1.978	1.775	1.534	1.661	0.917		

240-17602-F-11-A PDS

12/22/2012 7:37:07 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:50	76.573%	48.430	825.300	836.000	0.000	44550.000	73020.000	77070.000
2	19:38:33	76.327%	48.600	838.400	859.300	0.000	44260.000	72150.000	76160.000
3	19:39:16	76.021%	48.320	835.900	822.800	0.000	44190.000	73130.000	76370.000
X		76.307%	48.450	833.200	839.400	0.000	44330.000	72770.000	76530.000
σ		0.276%	0.139	6.989	18.460	0.000	192.200	532.100	473.600
%RSD		0.362	0.287	0.839	2.200	0.000	0.434	0.731	0.619
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:50	98900.000	11020.000	0.000	54670.000	72830.000	73780.000	79.974%	1514.000
2	19:38:33	98130.000	10890.000	0.000	53800.000	72290.000	74560.000	78.507%	1535.000
3	19:39:16	98020.000	10890.000	0.000	54150.000	74220.000	75890.000	77.615%	1528.000
X		98350.000	10930.000	0.000	54210.000	73120.000	74740.000	78.699%	1526.000
σ		479.500	73.330	0.000	441.700	996.900	1065.000	1.191%	10.900
%RSD		0.487	0.671	0.000	0.815	1.363	1.425	1.514	0.714
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:50	671.600	354.600	3270.000	260500.000	267500.000	603.700	715.800	438.900
2	19:38:33	680.900	361.300	3287.000	260500.000	267500.000	603.500	720.900	442.900
3	19:39:16	678.500	360.100	3321.000	263300.000	271000.000	606.100	723.600	445.300
X		677.000	358.700	3293.000	261500.000	268600.000	604.400	720.100	442.400
σ		4.830	3.568	25.540	1619.000	2051.000	1.468	3.959	3.223
%RSD		0.713	0.995	0.776	0.619	0.763	0.243	0.550	0.729
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:50	437.500	1032.000	1049.000	165.500	11.580	14.790	0.000	1082.000
2	19:38:33	440.300	1043.000	1056.000	165.700	11.230	15.410	0.000	1087.000
3	19:39:16	447.400	1051.000	1067.000	168.600	11.190	15.900	0.000	1109.000
X		441.800	1042.000	1057.000	166.600	11.330	15.370	0.000	1093.000
σ		5.106	9.668	8.991	1.760	0.211	0.558	0.000	13.950
%RSD		1.156	0.928	0.850	1.057	1.862	3.630	0.000	1.277
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:50	0.000	964.600	962.900	71.495%	46.780	46.740	47.460	42.470
2	19:38:33	0.000	978.800	980.100	72.643%	47.380	47.120	47.560	43.010
3	19:39:16	0.000	988.000	967.600	72.566%	47.250	47.300	47.800	41.750
X		0.000	977.200	970.200	72.235%	47.140	47.050	47.610	42.410
σ		0.000	11.820	8.842	0.642%	0.315	0.284	0.173	0.632
%RSD		0.000	1.209	0.911	0.889	0.667	0.603	0.364	1.490
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:50	74.732%	1829.000	410.300	408.000	2260.000	2259.000	83.998%	86.694%
2	19:38:33	75.940%	1854.000	417.100	416.700	2282.000	2280.000	86.133%	89.130%
3	19:39:16	76.633%	1861.000	420.800	416.300	2296.000	2301.000	86.499%	90.068%
X		75.768%	1848.000	416.100	413.700	2279.000	2280.000	85.543%	88.631%
σ		0.962%	16.660	5.314	4.925	17.940	21.300	1.351%	1.742%
%RSD		1.270	0.901	1.277	1.190	0.787	0.934	1.579	1.965
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:37:50	48.950	49.150	136.600	134.900	135.600	71.670%		
2	19:38:33	48.990	49.120	136.400	135.200	136.000	74.234%		
3	19:39:16	49.310	49.650	137.300	135.500	136.900	75.192%		
X		49.080	49.310	136.700	135.200	136.200	73.699%		
σ		0.196	0.295	0.481	0.269	0.682	1.821%		
%RSD		0.400	0.599	0.352	0.199	0.501	2.470		

CCV 664806 12/22/2012 7:44:22 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:05	79.002%	97.790	97.750	97.520	0.000	49480.000	45970.000	47120.000
2	19:45:48	79.386%	91.600	90.280	91.870	0.000	46670.000	43640.000	44620.000
3	19:46:31	75.434%	99.870	99.480	100.600	0.000	49840.000	47100.000	48050.000
x		77.941%	96.419%	95.838%	96.653%	0.000	97.329%	91.144%	93.197%
σ		2.179%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.796	4.463	5.100	4.568	0.000	3.577	3.875	3.808
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:05	479.500	5057.000	0.000	48600.000	47830.000	48960.000	87.750%	96.560
2	19:45:48	443.900	4704.000	0.000	44900.000	45540.000	46650.000	89.022%	92.460
3	19:46:31	466.800	5083.000	0.000	48680.000	49150.000	49880.000	84.885%	99.020
x		92.674%	98.962%	0.000	94.784%	95.016%	96.995%	87.219%	96.013%
σ		n/a	n/a	0.000	n/a	n/a	n/a	2.119%	n/a
%RSD		3.890	4.272	0.000	4.556	3.845	3.433	2.430	3.451
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:05	96.790	98.120	514.800	25700.000	25490.000	97.370	97.750	96.270
2	19:45:48	90.790	91.590	476.000	23700.000	23700.000	89.430	89.850	89.830
3	19:46:31	99.900	99.990	517.500	26100.000	25780.000	98.940	97.820	98.130
x		95.825%	96.569%	100.554%	100.676%	99.965%	95.249%	95.139%	94.745%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		4.832	4.565	4.616	5.111	4.512	5.353	4.818	4.596
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:05	96.510	101.300	101.700	97.350	101.300	101.200	0.000	95.910
2	19:45:48	89.050	93.020	93.920	89.430	93.470	94.230	0.000	88.600
3	19:46:31	97.260	101.500	101.800	99.200	103.300	102.700	0.000	96.330
x		94.276%	98.611%	99.137%	95.326%	99.332%	99.378%	0.000	93.614%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		4.813	4.913	4.558	5.445	5.210	4.541	0.000	4.645
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:05	85.238%	96.650	97.680	80.113%	98.320	98.040	100.400	100.800
2	19:45:48	89.257%	92.830	93.820	82.685%	91.190	92.030	94.430	94.930
3	19:46:31	86.265%	100.600	102.400	79.933%	99.590	99.960	102.200	102.900
x		86.920%	96.705%	97.980%	80.910%	96.366%	96.679%	98.985%	99.525%
σ		2.088%	n/a	n/a	1.540%	n/a	n/a	n/a	n/a
%RSD		2.402	4.039	4.402	1.903	4.699	4.279	4.083	4.138
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:05	82.253%	97.620	96.710	96.440	96.280	95.540	86.242%	86.540%
2	19:45:48	86.449%	91.460	91.280	91.010	88.660	89.220	90.690%	91.609%
3	19:46:31	83.808%	98.940	98.450	98.910	95.800	96.830	88.846%	89.643%
x		84.170%	96.007%	95.484%	95.453%	93.580%	93.863%	88.593%	89.264%
σ		2.122%	n/a	n/a	n/a	n/a	n/a	2.235%	2.556%
%RSD		2.521	4.159	3.918	4.234	4.563	4.342	2.523	2.863
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:45:05	93.530	93.400	93.620	93.910	93.430	83.664%		
2	19:45:48	89.140	89.000	89.600	89.490	89.460	87.600%		
3	19:46:31	96.440	95.820	96.560	96.500	96.330	85.826%		
x		93.040%	92.738%	93.261%	93.301%	93.074%	85.697%		
σ		n/a	n/a	n/a	n/a	n/a	1.971%		
%RSD		3.949	3.729	3.746	3.804	3.703	2.300		

CCB2 12/22/2012 7:52:21 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:04	94.363%	0.006	2.029	1.905	0.000	1.098	2.161	1.817
2	19:53:47	92.794%	-0.015	1.611	1.755	0.000	0.565	1.792	1.666
3	19:54:30	93.138%	-0.002	1.759	1.669	0.000	0.852	1.872	1.657
X		93.431%	-0.004	1.800	1.777	0.000	0.838	1.941	1.713
σ		0.825%	0.011	0.212	0.120	0.000	0.267	0.194	0.090
%RSD		0.883	290.200	11.780	6.726	0.000	31.840	9.981	5.246
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:04	0.728	-1.501	0.000	-5.895	1.057	0.580	105.340%	0.016
2	19:53:47	-0.087	-2.372	0.000	-6.762	2.941	0.960	104.063%	-0.020
3	19:54:30	-0.032	-2.096	0.000	-6.743	1.670	2.057	102.864%	-0.048
X		0.203	-1.989	0.000	-6.467	1.889	1.199	104.089%	-0.017
σ		0.455	0.445	0.000	0.495	0.961	0.767	1.238%	0.032
%RSD		224.100	22.380	0.000	7.655	50.890	63.970	1.189	187.700
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:04	0.011	-0.017	0.478	6.055	11.970	-0.007	-0.026	-0.039
2	19:53:47	0.024	-0.003	0.433	2.737	9.015	-0.006	-0.005	-0.058
3	19:54:30	0.024	-0.019	0.429	0.597	6.882	-0.003	-0.027	-0.034
X		0.020	-0.013	0.447	3.130	9.289	-0.005	-0.019	-0.044
σ		0.007	0.009	0.027	2.750	2.555	0.002	0.012	0.013
%RSD		37.350	66.340	6.107	87.870	27.500	42.550	62.880	29.840
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:04	-0.042	-0.406	-0.292	-0.096	0.011	-0.225	0.000	0.010
2	19:53:47	-0.051	-0.365	-0.170	-0.217	-0.000	-1.073	0.000	0.004
3	19:54:30	-0.067	-0.261	-0.215	-0.195	0.087	-0.853	0.000	0.004
X		-0.053	-0.344	-0.226	-0.169	0.032	-0.717	0.000	0.006
σ		0.012	0.075	0.061	0.064	0.048	0.440	0.000	0.003
%RSD		23.180	21.700	27.180	38.090	146.400	61.350	0.000	55.590
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:04	89.075%	0.440	0.446	93.378%	-0.006	-0.001	0.029	0.027
2	19:53:47	89.409%	0.416	0.367	93.525%	0.001	0.000	0.028	0.001
3	19:54:30	90.269%	0.330	0.296	93.140%	0.000	-0.002	0.018	0.016
X		89.584%	0.395	0.370	93.348%	-0.002	-0.001	0.025	0.015
σ		0.616%	0.058	0.075	0.194%	0.004	0.001	0.006	0.013
%RSD		0.687	14.620	20.300	0.208	225.400	118.800	25.530	87.600
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:04	92.652%	-0.114	-0.007	-0.006	0.003	0.000	96.086%	96.545%
2	19:53:47	94.276%	-0.236	-0.004	0.029	-0.030	-0.003	97.753%	98.296%
3	19:54:30	93.951%	-0.203	-0.008	0.010	-0.033	0.003	98.158%	99.329%
X		93.626%	-0.184	-0.006	0.011	-0.020	-0.000	97.332%	98.057%
σ		0.859%	0.063	0.002	0.018	0.020	0.003	1.098%	1.408%
%RSD		0.918	34.130	33.620	158.500	99.670	6309.000	1.128	1.436
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:53:04	0.047	0.040	0.091	0.073	0.078	101.599%		
2	19:53:47	0.046	0.047	0.062	0.057	0.062	102.639%		
3	19:54:30	0.043	0.043	0.052	0.062	0.058	103.650%		
X		0.045	0.044	0.068	0.064	0.066	102.629%		
σ		0.002	0.004	0.020	0.008	0.010	1.025%		
%RSD		4.301	8.597	29.800	13.060	15.710	0.999		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:57:25	78.438%	6.547	43.230	43.890	0.000	701.600	49370.000	51160.000
2	19:58:08	75.256%	6.331	44.800	45.270	0.000	686.900	49160.000	51400.000
3	19:58:51	74.974%	6.291	44.060	45.260	0.000	690.100	49060.000	51120.000
X		76.223%	6.390	44.030	44.810	0.000	692.900	49200.000	51230.000
σ		1.923%	0.138	0.786	0.792	0.000	7.712	159.600	147.900
%RSD		2.523	2.158	1.785	1.767	0.000	1.113	0.324	0.289
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:57:25	113200.000	1593.000	0.000	16870.000	117300.000	121200.000	93.021%	420.600
2	19:58:08	115200.000	1605.000	0.000	17120.000	119400.000	122200.000	90.778%	426.700
3	19:58:51	114000.000	1592.000	0.000	16740.000	116300.000	119800.000	89.783%	419.100
X		114100.000	1597.000	0.000	16910.000	117700.000	121100.000	91.194%	422.100
σ		998.900	6.900	0.000	188.700	1544.000	1179.000	1.659%	4.015
%RSD		0.875	0.432	0.000	1.116	1.312	0.974	1.819	0.951
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:57:25	179.000	190.400	3718.000	269500.000	282100.000	124.900	287.900	195.100
2	19:58:08	182.100	194.000	3775.000	273900.000	286000.000	125.800	292.400	198.600
3	19:58:51	179.600	190.700	3742.000	271000.000	282700.000	124.400	289.300	197.500
X		180.300	191.700	3745.000	271500.000	283600.000	125.000	289.900	197.100
σ		1.657	1.982	28.570	2243.000	2070.000	0.747	2.303	1.788
%RSD		0.919	1.034	0.763	0.826	0.730	0.597	0.794	0.907
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:57:25	197.100	641.000	651.900	155.000	2.315	5.108	0.000	198.400
2	19:58:08	200.000	650.400	660.200	155.400	2.525	4.827	0.000	201.900
3	19:58:51	196.700	645.700	654.300	153.000	2.529	5.014	0.000	199.900
X		198.000	645.700	655.500	154.500	2.456	4.983	0.000	200.100
σ		1.812	4.727	4.265	1.260	0.123	0.143	0.000	1.759
%RSD		0.915	0.732	0.651	0.816	5.001	2.871	0.000	0.879
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:57:25	0.000	13.320	13.340	79.087%	0.283	0.167	1.972	1.567
2	19:58:08	0.000	13.400	13.740	79.750%	0.284	0.181	2.126	1.609
3	19:58:51	0.000	13.460	13.520	80.761%	0.279	0.183	1.995	1.548
X		0.000	13.390	13.530	79.866%	0.282	0.177	2.031	1.575
σ		0.000	0.068	0.201	0.843%	0.003	0.008	0.083	0.031
%RSD		0.000	0.504	1.487	1.055	0.943	4.770	4.078	1.972
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:57:25	83.039%	7.912	0.775	0.855	558.400	557.100	90.388%	88.398%
2	19:58:08	84.986%	7.712	0.801	0.776	560.000	559.800	93.054%	91.403%
3	19:58:51	86.080%	7.352	0.711	0.729	557.000	554.300	94.743%	93.118%
X		84.702%	7.659	0.762	0.787	558.500	557.100	92.728%	90.973%
σ		1.540%	0.284	0.046	0.064	1.476	2.771	2.196%	2.389%
%RSD		1.818	3.705	6.095	8.108	0.264	0.497	2.368	2.626
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:57:25	1.765	1.828	127.900	126.200	127.200	76.896%		
2	19:58:08	1.801	1.812	129.400	127.400	128.200	78.733%		
3	19:58:51	1.753	1.775	127.100	125.900	126.400	81.216%		
X		1.773	1.805	128.200	126.500	127.300	78.948%		
σ		0.025	0.027	1.158	0.766	0.902	2.168%		
%RSD		1.386	1.514	0.904	0.606	0.709	2.746		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:43	80.973%	5.659	38.540	39.540	0.000	612.600	39560.000	40870.000
2	20:02:26	77.962%	5.556	38.240	39.960	0.000	608.400	39440.000	40870.000
3	20:03:09	78.014%	5.732	40.120	39.100	0.000	596.300	39320.000	41300.000
X		78.983%	5.649	38.970	39.530	0.000	605.800	39440.000	41020.000
σ		1.723%	0.088	1.007	0.427	0.000	8.458	120.300	248.900
%RSD		2.182	1.560	2.584	1.080	0.000	1.396	0.305	0.607
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:43	108700.000	2059.000	0.000	14100.000	30820.000	31810.000	95.154%	431.100
2	20:02:26	108700.000	2038.000	0.000	13990.000	30920.000	31940.000	90.759%	432.200
3	20:03:09	108400.000	2025.000	0.000	13990.000	30800.000	32040.000	89.897%	437.100
X		108600.000	2041.000	0.000	14030.000	30850.000	31930.000	91.936%	433.500
σ		195.300	17.340	0.000	65.210	64.900	118.100	2.819%	3.176
%RSD		0.180	0.850	0.000	0.465	0.210	0.370	3.067	0.733
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:43	167.000	176.500	3286.000	271400.000	283000.000	105.100	259.000	204.700
2	20:02:26	168.400	179.300	3323.000	272600.000	283700.000	105.200	258.000	204.500
3	20:03:09	168.500	177.600	3340.000	273500.000	285700.000	105.400	258.200	205.500
X		168.000	177.800	3316.000	272500.000	284200.000	105.200	258.400	204.900
σ		0.862	1.403	27.260	1039.000	1402.000	0.191	0.543	0.529
%RSD		0.513	0.789	0.822	0.381	0.493	0.181	0.210	0.258
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:43	205.500	608.600	616.000	155.600	2.685	5.129	0.000	116.600
2	20:02:26	207.400	620.500	629.300	158.600	2.376	4.929	0.000	118.100
3	20:03:09	206.200	617.600	632.100	158.600	2.534	4.724	0.000	118.300
X		206.400	615.500	625.800	157.600	2.532	4.927	0.000	117.700
σ		0.938	6.213	8.596	1.753	0.155	0.203	0.000	0.925
%RSD		0.454	1.009	1.374	1.112	6.102	4.113	0.000	0.786
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:43	0.000	10.980	11.070	81.694%	0.322	0.176	1.652	1.225
2	20:02:26	0.000	11.200	11.280	79.936%	0.304	0.210	1.656	1.206
3	20:03:09	0.000	11.090	11.250	79.507%	0.280	0.186	1.534	1.190
X		0.000	11.090	11.200	80.379%	0.302	0.191	1.614	1.207
σ		0.000	0.107	0.111	1.159%	0.021	0.017	0.069	0.017
%RSD		0.000	0.969	0.995	1.441	6.960	9.150	4.292	1.434
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:43	85.032%	9.386	0.792	0.940	448.100	446.800	92.604%	91.507%
2	20:02:26	84.390%	9.142	0.839	0.802	445.900	447.800	92.672%	91.415%
3	20:03:09	83.130%	9.285	0.850	0.907	452.500	450.200	92.511%	91.480%
X		84.184%	9.271	0.827	0.883	448.800	448.300	92.596%	91.467%
σ		0.967%	0.122	0.031	0.072	3.388	1.757	0.081%	0.048%
%RSD		1.149	1.321	3.727	8.192	0.755	0.392	0.087	0.052
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:01:43	1.514	1.521	136.000	134.700	135.400	79.146%		
2	20:02:26	1.542	1.529	137.000	136.800	136.600	80.018%		
3	20:03:09	1.608	1.532	137.500	136.600	136.800	79.292%		
X		1.555	1.528	136.800	136.000	136.300	79.485%		
σ		0.048	0.006	0.779	1.175	0.757	0.467%		
%RSD		3.108	0.380	0.570	0.864	0.555	0.588		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:00	80.106%	6.583	50.670	51.960	0.000	672.200	50420.000	52310.000
2	20:06:43	78.644%	6.562	52.430	52.690	0.000	666.500	50250.000	52820.000
3	20:07:26	78.946%	6.767	50.620	52.180	0.000	664.600	49980.000	52280.000
X		79.232%	6.638	51.240	52.280	0.000	667.800	50220.000	52470.000
σ		0.772%	0.113	1.032	0.377	0.000	3.954	218.900	300.800
%RSD		0.974	1.698	2.013	0.722	0.000	0.592	0.436	0.573
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:00	118700.000	2325.000	0.000	16860.000	140200.000	144900.000	91.650%	728.700
2	20:06:43	121300.000	2321.000	0.000	16980.000	142600.000	145900.000	90.066%	743.000
3	20:07:26	119000.000	2306.000	0.000	16770.000	141800.000	145300.000	89.841%	738.800
X		119700.000	2317.000	0.000	16870.000	141500.000	145300.000	90.519%	736.800
σ		1425.000	9.869	0.000	105.500	1198.000	500.200	0.986%	7.342
%RSD		1.190	0.426	0.000	0.625	0.846	0.344	1.089	0.996
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:00	205.800	200.200	3505.000	252900.000	263400.000	117.600	285.400	176.700
2	20:06:43	209.200	204.700	3579.000	256000.000	264500.000	117.300	285.700	179.100
3	20:07:26	206.200	202.800	3549.000	253100.000	261400.000	117.200	280.500	176.600
X		207.100	202.600	3544.000	254000.000	263100.000	117.400	283.900	177.500
σ		1.854	2.286	37.180	1728.000	1578.000	0.210	2.898	1.388
%RSD		0.895	1.128	1.049	0.680	0.600	0.179	1.021	0.782
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:00	178.300	543.700	553.500	104.700	2.794	5.152	0.000	258.600
2	20:06:43	181.500	553.900	561.600	106.400	2.930	5.380	0.000	264.100
3	20:07:26	177.000	550.000	562.300	106.900	3.144	5.623	0.000	267.000
X		179.000	549.200	559.100	106.000	2.956	5.385	0.000	263.300
σ		2.293	5.153	4.915	1.189	0.176	0.235	0.000	4.250
%RSD		1.281	0.938	0.879	1.122	5.965	4.370	0.000	1.614
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:00	0.000	15.360	15.020	77.786%	0.371	0.180	2.271	1.740
2	20:06:43	0.000	15.490	15.350	78.259%	0.342	0.192	2.277	1.644
3	20:07:26	0.000	15.010	15.240	78.280%	0.344	0.211	2.157	1.708
X		0.000	15.290	15.200	78.108%	0.352	0.195	2.235	1.697
σ		0.000	0.248	0.171	0.279%	0.016	0.016	0.068	0.049
%RSD		0.000	1.620	1.125	0.357	4.663	8.084	3.032	2.897
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:00	81.755%	8.802	0.731	0.732	730.800	723.500	89.738%	88.563%
2	20:06:43	83.025%	9.026	0.786	0.812	736.800	737.300	92.344%	91.124%
3	20:07:26	84.136%	9.059	0.764	0.752	731.300	730.200	93.111%	92.036%
X		82.972%	8.962	0.760	0.765	733.000	730.300	91.731%	90.574%
σ		1.192%	0.140	0.028	0.042	3.351	6.920	1.768%	1.800%
%RSD		1.436	1.558	3.682	5.459	0.457	0.948	1.927	1.988
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:06:00	1.772	1.809	133.700	131.400	132.200	74.119%		
2	20:06:43	1.821	1.838	135.200	133.300	134.000	76.692%		
3	20:07:26	1.789	1.808	134.200	132.600	132.900	78.294%		
X		1.794	1.818	134.400	132.400	133.000	76.368%		
σ		0.025	0.017	0.726	0.975	0.902	2.107%		
%RSD		1.396	0.933	0.540	0.736	0.678	2.758		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:10:17	74.705%	6.315	65.180	68.060	0.000	830.600	69730.000	73010.000
2	20:11:00	73.245%	6.384	65.720	66.950	0.000	822.000	69190.000	73340.000
3	20:11:43	71.154%	6.372	65.630	66.740	0.000	808.000	69990.000	74190.000
X		73.035%	6.357	65.510	67.250	0.000	820.200	69640.000	73520.000
σ		1.785%	0.037	0.289	0.712	0.000	11.390	408.900	608.800
%RSD		2.444	0.581	0.441	1.058	0.000	1.388	0.587	0.828
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:10:17	120300.000	2764.000	0.000	18800.000	276200.000	268100.000	84.221%	881.700
2	20:11:00	120200.000	2727.000	0.000	18260.000	274400.000	272200.000	81.466%	884.300
3	20:11:43	122500.000	2776.000	0.000	18850.000	279500.000	272500.000	79.188%	886.000
X		121000.000	2756.000	0.000	18640.000	276700.000	270900.000	81.625%	884.000
σ		1310.000	25.370	0.000	324.500	2573.000	2465.000	2.520%	2.191
%RSD		1.083	0.921	0.000	1.741	0.930	0.910	3.088	0.248
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:10:17	215.100	205.300	4056.000	275700.000	287800.000	126.600	298.300	190.700
2	20:11:00	214.300	204.500	4113.000	276700.000	287800.000	125.800	295.800	189.600
3	20:11:43	217.700	206.100	4135.000	282100.000	293000.000	127.200	298.700	191.600
X		215.700	205.300	4101.000	278200.000	289500.000	126.600	297.600	190.600
σ		1.753	0.791	40.650	3441.000	2988.000	0.683	1.561	1.026
%RSD		0.813	0.385	0.991	1.237	1.032	0.539	0.525	0.538
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:10:17	193.500	573.700	588.200	108.200	3.309	5.235	0.000	529.100
2	20:11:00	191.900	582.300	590.200	107.600	2.765	5.835	0.000	534.400
3	20:11:43	193.400	590.100	599.900	108.500	2.864	6.070	0.000	538.100
X		192.900	582.100	592.800	108.100	2.979	5.713	0.000	533.900
σ		0.907	8.212	6.259	0.456	0.290	0.430	0.000	4.529
%RSD		0.470	1.411	1.056	0.421	9.725	7.530	0.000	0.848
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:10:17	0.000	15.980	16.110	72.741%	0.429	0.278	2.377	1.765
2	20:11:00	0.000	16.330	16.320	73.006%	0.439	0.276	2.202	1.687
3	20:11:43	0.000	16.660	16.520	73.072%	0.413	0.254	2.118	1.723
X		0.000	16.320	16.320	72.940%	0.427	0.269	2.233	1.725
σ		0.000	0.342	0.204	0.175%	0.013	0.013	0.132	0.039
%RSD		0.000	2.098	1.248	0.240	3.059	4.884	5.903	2.271
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:10:17	78.328%	9.522	0.757	0.832	745.100	743.500	86.025%	84.631%
2	20:11:00	78.882%	9.718	0.725	0.800	753.100	753.200	88.581%	87.441%
3	20:11:43	79.751%	9.374	0.780	0.816	747.600	743.700	89.989%	88.659%
X		78.987%	9.538	0.754	0.816	748.600	746.800	88.199%	86.910%
σ		0.717%	0.173	0.028	0.016	4.124	5.555	2.010%	2.066%
%RSD		0.908	1.809	3.673	1.953	0.551	0.744	2.279	2.377
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:10:17	1.954	1.908	131.600	129.100	130.400	72.360%		
2	20:11:00	1.974	1.992	133.800	131.300	132.200	73.966%		
3	20:11:43	1.943	1.933	133.000	130.500	131.300	75.638%		
X		1.957	1.944	132.800	130.300	131.300	73.988%		
σ		0.016	0.044	1.091	1.133	0.913	1.639%		
%RSD		0.802	2.241	0.822	0.870	0.696	2.215		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:35	68.754%	6.509	69.490	70.920	0.000	978.100	74390.000	79300.000
2	20:15:18	66.921%	6.378	70.660	72.610	0.000	983.100	74410.000	78840.000
3	20:16:01	65.483%	6.347	69.610	73.350	0.000	993.200	76350.000	81080.000
X		67.053%	6.412	69.920	72.290	0.000	984.800	75050.000	79740.000
σ		1.640%	0.086	0.640	1.249	0.000	7.653	1126.000	1183.000
%RSD		2.445	1.344	0.916	1.728	0.000	0.777	1.501	1.484
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:35	124600.000	1690.000	0.000	21690.000	361900.000	348400.000	78.254%	678.100
2	20:15:18	124500.000	1691.000	0.000	21580.000	363300.000	352300.000	76.858%	666.100
3	20:16:01	127600.000	1703.000	0.000	21790.000	369700.000	357600.000	73.969%	687.800
X		125600.000	1695.000	0.000	21690.000	364900.000	352800.000	76.360%	677.300
σ		1800.000	7.505	0.000	109.100	4182.000	4615.000	2.186%	10.860
%RSD		1.434	0.443	0.000	0.503	1.146	1.308	2.862	1.604
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:35	209.000	216.800	3979.000	302400.000	314500.000	125.100	301.700	213.100
2	20:15:18	209.000	214.800	3985.000	298600.000	312600.000	124.500	297.000	210.900
3	20:16:01	218.400	221.200	4052.000	308100.000	322800.000	127.800	304.900	217.300
X		212.100	217.600	4005.000	303000.000	316600.000	125.800	301.200	213.800
σ		5.407	3.274	40.710	4779.000	5462.000	1.735	3.997	3.218
%RSD		2.549	1.505	1.016	1.577	1.725	1.379	1.327	1.505
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:35	215.400	659.900	671.900	148.700	2.605	4.395	0.000	592.800
2	20:15:18	214.000	663.700	675.400	151.600	2.598	5.401	0.000	599.000
3	20:16:01	219.900	681.100	694.500	154.900	2.768	5.369	0.000	613.200
X		216.400	668.200	680.600	151.700	2.657	5.055	0.000	601.700
σ		3.056	11.320	12.200	3.108	0.096	0.572	0.000	10.470
%RSD		1.412	1.693	1.793	2.049	3.624	11.310	0.000	1.740
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:35	0.000	15.420	15.380	70.750%	0.405	0.287	1.990	1.446
2	20:15:18	0.000	15.610	15.630	70.422%	0.433	0.275	1.903	1.450
3	20:16:01	0.000	15.960	15.680	70.200%	0.463	0.301	1.982	1.540
X		0.000	15.660	15.560	70.458%	0.434	0.287	1.958	1.479
σ		0.000	0.271	0.163	0.276%	0.029	0.013	0.048	0.053
%RSD		0.000	1.730	1.046	0.392	6.690	4.614	2.467	3.578
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:35	76.261%	7.736	0.627	0.713	705.900	703.500	84.761%	83.744%
2	20:15:18	77.243%	7.859	0.684	0.637	704.500	705.200	87.133%	85.849%
3	20:16:01	76.395%	7.802	0.640	0.697	720.200	720.300	86.838%	85.677%
X		76.633%	7.799	0.650	0.682	710.200	709.700	86.244%	85.090%
σ		0.533%	0.061	0.030	0.040	8.716	9.238	1.293%	1.169%
%RSD		0.695	0.787	4.642	5.863	1.227	1.302	1.499	1.374
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:14:35	1.988	1.971	137.700	135.600	136.900	72.232%		
2	20:15:18	1.996	2.027	139.500	137.600	138.900	73.524%		
3	20:16:01	2.049	2.119	142.800	140.400	141.800	73.603%		
X		2.011	2.039	140.000	137.900	139.200	73.120%		
σ		0.033	0.075	2.597	2.398	2.459	0.770%		
%RSD		1.654	3.667	1.855	1.739	1.766	1.053		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:53	64.737%	6.044	66.780	68.600	0.000	990.800	78960.000	83680.000
2	20:19:36	63.651%	5.605	66.430	66.580	0.000	961.500	77840.000	82840.000
3	20:20:19	63.291%	5.893	67.190	68.000	0.000	969.500	79260.000	84970.000
X		63.893%	5.847	66.800	67.730	0.000	974.000	78690.000	83830.000
σ		0.753%	0.223	0.382	1.037	0.000	15.150	749.700	1073.000
%RSD		1.178	3.813	0.573	1.531	0.000	1.556	0.953	1.280
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:53	113300.000	2141.000	0.000	19640.000	515200.000	496800.000	71.178%	885.300
2	20:19:36	113000.000	2114.000	0.000	19160.000	507500.000	494100.000	68.971%	876.600
3	20:20:19	114200.000	2145.000	0.000	19940.000	534000.000	520200.000	65.781%	906.700
X		113500.000	2134.000	0.000	19580.000	518900.000	503700.000	68.643%	889.500
σ		657.700	16.720	0.000	392.700	13630.000	14370.000	2.713%	15.490
%RSD		0.579	0.784	0.000	2.005	2.626	2.853	3.953	1.742
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:53	205.900	198.600	4148.000	265300.000	273000.000	114.300	277.800	172.900
2	20:19:36	206.400	198.900	4105.000	262400.000	269000.000	113.000	276.000	173.400
3	20:20:19	215.100	208.800	4286.000	273400.000	284600.000	118.600	285.700	177.700
X		209.100	202.100	4180.000	267100.000	275500.000	115.300	279.900	174.700
σ		5.169	5.836	94.350	5685.000	8108.000	2.956	5.170	2.632
%RSD		2.472	2.888	2.257	2.129	2.942	2.564	1.847	1.507
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:53	174.900	549.900	558.000	98.530	2.406	5.338	0.000	767.900
2	20:19:36	175.000	552.400	564.000	100.600	2.246	5.699	0.000	769.900
3	20:20:19	181.000	573.000	586.100	102.200	2.524	6.263	0.000	786.800
X		177.000	558.400	569.400	100.500	2.392	5.767	0.000	774.900
σ		3.493	12.650	14.770	1.846	0.140	0.466	0.000	10.360
%RSD		1.973	2.266	2.594	1.837	5.841	8.082	0.000	1.337
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:53	0.000	16.550	16.450	65.688%	0.453	0.239	2.149	1.670
2	20:19:36	0.000	16.480	16.240	66.246%	0.429	0.266	2.006	1.555
3	20:20:19	0.000	16.580	16.710	65.999%	0.435	0.262	2.080	1.571
X		0.000	16.530	16.470	65.977%	0.439	0.256	2.078	1.599
σ		0.000	0.050	0.239	0.279%	0.013	0.015	0.072	0.062
%RSD		0.000	0.301	1.453	0.424	2.909	5.711	3.448	3.886
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:53	72.290%	9.031	0.590	0.639	817.500	820.700	80.714%	79.792%
2	20:19:36	73.091%	8.986	0.591	0.596	815.300	813.900	83.251%	82.332%
3	20:20:19	73.406%	9.086	0.555	0.671	821.900	825.400	83.239%	82.943%
X		72.929%	9.035	0.579	0.635	818.200	820.000	82.401%	81.689%
σ		0.576%	0.050	0.020	0.038	3.349	5.791	1.461%	1.671%
%RSD		0.789	0.557	3.498	5.989	0.409	0.706	1.774	2.046
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:18:53	1.904	1.908	115.900	113.600	114.700	68.947%		
2	20:19:36	1.900	1.901	114.300	112.600	113.300	72.029%		
3	20:20:19	1.937	1.975	117.000	114.200	115.500	71.553%		
X		1.914	1.928	115.700	113.400	114.500	70.843%		
σ		0.021	0.041	1.351	0.825	1.092	1.659%		
%RSD		1.079	2.110	1.168	0.727	0.954	2.342		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:11	68.283%	6.817	80.330	81.370	0.000	881.400	66640.000	70890.000
2	20:23:55	67.985%	6.658	77.650	77.270	0.000	860.400	66550.000	70820.000
3	20:24:38	66.721%	6.593	77.660	81.500	0.000	880.800	67590.000	71850.000
X		67.663%	6.689	78.550	80.050	0.000	874.200	66930.000	71190.000
σ		0.829%	0.116	1.542	2.404	0.000	11.950	572.600	577.400
%RSD		1.225	1.728	1.964	3.003	0.000	1.367	0.856	0.811
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:11	122500.000	2151.000	0.000	20540.000	341600.000	331900.000	76.027%	792.900
2	20:23:55	120500.000	2104.000	0.000	20310.000	340800.000	332900.000	73.138%	788.900
3	20:24:38	123600.000	2141.000	0.000	20600.000	346000.000	336900.000	72.491%	790.400
X		122200.000	2132.000	0.000	20480.000	342800.000	333900.000	73.885%	790.700
σ		1567.000	24.860	0.000	149.300	2791.000	2621.000	1.882%	2.000
%RSD		1.282	1.166	0.000	0.729	0.814	0.785	2.548	0.253
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:11	215.300	211.300	3969.000	255100.000	261500.000	108.000	288.600	169.400
2	20:23:55	217.000	211.900	4030.000	258900.000	264600.000	108.700	287.600	170.000
3	20:24:38	219.800	213.400	4057.000	259400.000	268000.000	110.500	289.400	172.300
X		217.400	212.200	4019.000	257800.000	264700.000	109.100	288.500	170.600
σ		2.290	1.049	45.360	2334.000	3278.000	1.295	0.881	1.517
%RSD		1.053	0.494	1.129	0.905	1.239	1.187	0.305	0.890
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:11	171.100	542.200	550.500	90.330	2.651	5.662	0.000	585.700
2	20:23:55	173.200	556.200	564.100	92.220	2.967	5.422	0.000	601.500
3	20:24:38	172.600	554.100	563.000	92.130	2.566	5.116	0.000	600.000
X		172.300	550.900	559.200	91.560	2.728	5.400	0.000	595.700
σ		1.083	7.542	7.529	1.066	0.211	0.274	0.000	8.689
%RSD		0.629	1.369	1.346	1.164	7.745	5.071	0.000	1.458
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:11	0.000	14.600	14.450	69.422%	0.466	0.321	2.345	1.775
2	20:23:55	0.000	14.770	14.700	69.001%	0.464	0.326	2.269	1.741
3	20:24:38	0.000	14.820	14.970	68.879%	0.458	0.308	2.311	1.710
X		0.000	14.730	14.710	69.101%	0.463	0.319	2.309	1.742
σ		0.000	0.113	0.258	0.285%	0.004	0.009	0.038	0.032
%RSD		0.000	0.769	1.754	0.412	0.966	2.865	1.659	1.844
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:11	73.981%	8.969	0.666	0.747	738.400	739.500	84.254%	83.072%
2	20:23:55	74.307%	8.930	0.705	0.721	748.200	743.700	85.796%	85.097%
3	20:24:38	74.726%	9.176	0.705	0.717	747.100	747.800	86.240%	85.495%
X		74.338%	9.025	0.692	0.728	744.600	743.700	85.430%	84.555%
σ		0.374%	0.132	0.023	0.017	5.347	4.123	1.042%	1.299%
%RSD		0.503	1.466	3.274	2.273	0.718	0.554	1.220	1.536
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:23:11	1.886	1.912	143.300	140.700	142.300	71.482%		
2	20:23:55	1.928	1.944	144.600	142.300	143.500	73.048%		
3	20:24:38	1.867	1.931	145.800	144.800	145.200	72.859%		
X		1.893	1.929	144.600	142.600	143.700	72.463%		
σ		0.031	0.016	1.247	2.049	1.474	0.855%		
%RSD		1.653	0.811	0.863	1.437	1.026	1.180		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:31	67.831%	6.917	99.480	100.300	0.000	1075.000	79570.000	84610.000
2	20:28:13	64.681%	6.607	100.600	101.200	0.000	1107.000	80820.000	86620.000
3	20:28:57	64.102%	6.921	100.100	100.000	0.000	1078.000	79230.000	84950.000
X		65.538%	6.815	100.100	100.500	0.000	1087.000	79870.000	85390.000
σ		2.007%	0.180	0.566	0.597	0.000	17.460	837.900	1072.000
%RSD		3.062	2.642	0.566	0.594	0.000	1.607	1.049	1.256
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:31	135200.000	2508.000	0.000	26990.000	327400.000	316300.000	75.182%	836.400
2	20:28:13	138400.000	2517.000	0.000	26640.000	320600.000	315900.000	73.315%	842.200
3	20:28:57	134300.000	2447.000	0.000	26160.000	319300.000	311400.000	71.857%	824.200
X		136000.000	2491.000	0.000	26600.000	322400.000	314500.000	73.451%	834.300
σ		2140.000	38.500	0.000	420.800	4359.000	2735.000	1.667%	9.203
%RSD		1.574	1.546	0.000	1.582	1.352	0.870	2.269	1.103
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:31	237.200	230.000	4358.000	297100.000	307700.000	128.100	309.800	204.200
2	20:28:13	236.900	231.400	4388.000	299200.000	310300.000	126.700	307.300	204.800
3	20:28:57	236.200	227.600	4284.000	291500.000	304000.000	126.600	303.900	201.900
X		236.800	229.700	4343.000	295900.000	307300.000	127.100	307.000	203.600
σ		0.475	1.909	53.460	3994.000	3179.000	0.860	2.981	1.522
%RSD		0.201	0.831	1.231	1.350	1.034	0.676	0.971	0.747
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:31	205.100	623.100	633.400	121.800	2.526	5.297	0.000	627.900
2	20:28:13	206.100	627.000	641.400	122.300	2.386	5.271	0.000	634.100
3	20:28:57	203.700	621.400	631.400	120.700	2.166	4.809	0.000	621.700
X		205.000	623.900	635.400	121.600	2.360	5.125	0.000	627.900
σ		1.215	2.881	5.292	0.809	0.182	0.275	0.000	6.218
%RSD		0.593	0.462	0.833	0.666	7.698	5.355	0.000	0.990
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:31	0.000	15.960	16.270	68.493%	0.399	0.218	2.023	1.498
2	20:28:13	0.000	16.220	16.310	68.534%	0.375	0.225	2.069	1.516
3	20:28:57	0.000	15.680	15.750	69.229%	0.385	0.226	1.810	1.373
X		0.000	15.950	16.110	68.752%	0.386	0.223	1.967	1.462
σ		0.000	0.269	0.314	0.414%	0.012	0.004	0.138	0.078
%RSD		0.000	1.684	1.950	0.602	3.053	1.875	7.027	5.326
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:31	73.541%	10.250	0.864	0.847	745.000	744.900	83.456%	81.832%
2	20:28:13	74.236%	10.410	0.807	0.850	746.500	743.800	84.822%	84.016%
3	20:28:57	75.561%	9.961	0.793	0.847	724.100	723.400	87.269%	86.008%
X		74.446%	10.210	0.821	0.848	738.500	737.300	85.182%	83.952%
σ		1.026%	0.227	0.037	0.002	12.500	12.080	1.932%	2.089%
%RSD		1.378	2.220	4.558	0.208	1.693	1.639	2.268	2.488
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:27:31	2.111	2.101	138.800	136.700	137.900	70.397%		
2	20:28:13	2.136	2.176	141.500	139.000	140.100	71.448%		
3	20:28:57	2.002	2.054	135.600	133.900	134.600	74.564%		
X		2.083	2.110	138.600	136.500	137.500	72.136%		
σ		0.071	0.062	2.952	2.576	2.766	2.167%		
%RSD		3.431	2.918	2.130	1.887	2.011	3.004		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:49	74.243%	5.003	50.320	50.070	0.000	647.100	49950.000	53170.000
2	20:32:32	71.472%	4.798	50.950	52.740	0.000	661.600	50660.000	53880.000
3	20:33:15	71.903%	4.905	51.490	51.930	0.000	646.400	50170.000	53800.000
X		72.539%	4.902	50.920	51.580	0.000	651.700	50260.000	53620.000
σ		1.491%	0.102	0.587	1.369	0.000	8.579	366.400	393.800
%RSD		2.056	2.085	1.153	2.655	0.000	1.316	0.729	0.734
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:49	93240.000	2389.000	0.000	15010.000	124600.000	131100.000	80.860%	588.500
2	20:32:32	95330.000	2442.000	0.000	14940.000	123700.000	128700.000	80.363%	593.300
3	20:33:15	94610.000	2423.000	0.000	14790.000	124700.000	129700.000	80.731%	605.700
X		94390.000	2418.000	0.000	14910.000	124300.000	129800.000	80.651%	595.800
σ		1063.000	27.070	0.000	111.000	548.700	1199.000	0.258%	8.878
%RSD		1.126	1.119	0.000	0.744	0.441	0.924	0.320	1.490
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:49	159.500	169.600	3141.000	253400.000	260300.000	99.660	244.600	181.700
2	20:32:32	161.400	169.800	3185.000	255700.000	260600.000	99.890	242.200	180.500
3	20:33:15	160.500	170.600	3202.000	256000.000	263400.000	99.510	244.200	182.000
X		160.500	170.000	3176.000	255000.000	261400.000	99.690	243.700	181.400
σ		0.916	0.532	31.220	1452.000	1707.000	0.192	1.284	0.752
%RSD		0.571	0.313	0.983	0.569	0.653	0.193	0.527	0.414
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:49	180.600	544.700	554.500	129.900	1.883	3.746	0.000	259.700
2	20:32:32	184.100	546.500	561.900	132.400	1.881	3.906	0.000	264.000
3	20:33:15	183.300	553.500	563.500	131.700	2.171	4.264	0.000	264.700
X		182.700	548.200	560.000	131.300	1.978	3.972	0.000	262.800
σ		1.878	4.668	4.792	1.290	0.167	0.265	0.000	2.710
%RSD		1.028	0.851	0.856	0.982	8.443	6.675	0.000	1.031
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:49	0.000	11.440	11.490	75.035%	0.349	0.263	1.784	1.323
2	20:32:32	0.000	11.690	11.870	75.242%	0.345	0.261	1.611	1.156
3	20:33:15	0.000	11.650	11.670	75.956%	0.341	0.237	1.578	1.180
X		0.000	11.600	11.680	75.411%	0.345	0.253	1.658	1.220
σ		0.000	0.134	0.190	0.483%	0.004	0.014	0.111	0.090
%RSD		0.000	1.153	1.623	0.641	1.206	5.601	6.670	7.386
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:49	78.715%	9.368	0.666	0.632	463.200	462.600	88.063%	87.554%
2	20:32:32	80.197%	9.773	0.635	0.698	464.700	465.800	90.026%	89.141%
3	20:33:15	80.006%	9.684	0.634	0.675	468.900	469.300	90.144%	89.452%
X		79.639%	9.608	0.645	0.668	465.600	465.900	89.411%	88.715%
σ		0.806%	0.213	0.018	0.034	2.926	3.389	1.169%	1.018%
%RSD		1.013	2.213	2.839	5.051	0.628	0.727	1.307	1.147
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:31:49	1.473	1.521	110.500	108.700	109.800	76.225%		
2	20:32:32	1.477	1.513	112.900	110.400	111.700	77.855%		
3	20:33:15	1.476	1.504	111.900	109.600	110.500	78.713%		
X		1.475	1.513	111.800	109.600	110.700	77.598%		
σ		0.002	0.009	1.223	0.852	0.968	1.264%		
%RSD		0.135	0.566	1.094	0.777	0.874	1.629		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:08	76.430%	5.600	42.700	43.100	0.000	610.000	48280.000	50330.000
2	20:36:51	76.071%	5.864	42.820	43.960	0.000	603.300	48210.000	51220.000
3	20:37:34	76.009%	5.584	42.820	44.460	0.000	607.500	48340.000	50620.000
X		76.170%	5.683	42.780	43.840	0.000	607.000	48280.000	50720.000
σ		0.227%	0.157	0.067	0.688	0.000	3.418	64.920	458.400
%RSD		0.298	2.765	0.156	1.569	0.000	0.563	0.135	0.904
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:08	104400.000	2013.000	0.000	14340.000	85670.000	89780.000	88.900%	480.200
2	20:36:51	106000.000	2052.000	0.000	14300.000	86320.000	90140.000	88.107%	475.700
3	20:37:34	104500.000	2005.000	0.000	14380.000	86280.000	89330.000	87.683%	478.400
X		105000.000	2023.000	0.000	14340.000	86090.000	89750.000	88.230%	478.100
σ		903.600	25.430	0.000	41.410	366.400	407.300	0.617%	2.274
%RSD		0.861	1.257	0.000	0.289	0.426	0.454	0.700	0.476
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:08	164.600	178.900	3623.000	279900.000	294200.000	116.600	278.000	206.700
2	20:36:51	161.500	178.100	3667.000	283300.000	297400.000	117.500	281.500	208.100
3	20:37:34	164.400	178.400	3671.000	284400.000	298200.000	118.100	280.800	209.000
X		163.500	178.500	3653.000	282500.000	296600.000	117.400	280.100	207.900
σ		1.765	0.415	26.600	2309.000	2090.000	0.715	1.863	1.148
%RSD		1.080	0.233	0.728	0.817	0.705	0.609	0.665	0.552
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:08	206.700	627.200	630.600	160.300	2.390	4.015	0.000	169.100
2	20:36:51	207.700	632.000	642.900	162.700	2.208	4.312	0.000	171.100
3	20:37:34	209.900	637.700	643.800	162.700	2.263	4.929	0.000	172.000
X		208.100	632.300	639.100	161.900	2.287	4.419	0.000	170.700
σ		1.623	5.250	7.331	1.367	0.093	0.466	0.000	1.512
%RSD		0.780	0.830	1.147	0.844	4.086	10.550	0.000	0.885
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:08	0.000	10.780	10.750	78.006%	0.313	0.201	1.812	1.353
2	20:36:51	0.000	10.910	10.940	78.493%	0.313	0.186	1.883	1.362
3	20:37:34	0.000	10.920	11.080	78.912%	0.322	0.188	1.725	1.286
X		0.000	10.870	10.920	78.471%	0.316	0.192	1.807	1.334
σ		0.000	0.082	0.168	0.453%	0.005	0.008	0.079	0.042
%RSD		0.000	0.751	1.535	0.578	1.616	4.136	4.378	3.122
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:08	80.797%	7.376	0.726	0.722	470.900	468.900	88.438%	86.575%
2	20:36:51	82.085%	7.428	0.771	0.738	472.600	473.600	89.852%	88.520%
3	20:37:34	82.300%	7.369	0.741	0.806	472.400	474.300	91.065%	89.323%
X		81.727%	7.391	0.746	0.755	472.000	472.300	89.785%	88.139%
σ		0.812%	0.032	0.023	0.045	0.945	2.929	1.315%	1.413%
%RSD		0.994	0.438	3.117	5.894	0.200	0.620	1.465	1.603
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:36:08	1.457	1.401	136.900	136.700	137.000	75.761%		
2	20:36:51	1.439	1.457	139.000	137.000	138.400	77.213%		
3	20:37:34	1.487	1.502	138.700	137.700	138.200	78.157%		
X		1.461	1.453	138.200	137.100	137.900	77.044%		
σ		0.024	0.051	1.133	0.485	0.757	1.207%		
%RSD		1.650	3.496	0.820	0.354	0.549	1.567		

CCV 664806 12/22/2012 8:42:40 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:23	81.333%	96.720	89.760	90.190	0.000	48120.000	45170.000	46610.000
2	20:44:06	79.352%	97.020	88.980	90.910	0.000	47780.000	44450.000	46080.000
3	20:44:49	75.103%	99.830	94.580	95.810	0.000	50140.000	46580.000	48280.000
x		78.596%	97.856%	91.105%	92.306%	0.000	97.363%	90.800%	93.982%
σ		3.183%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		4.050	1.755	3.327	3.309	0.000	2.623	2.388	2.445
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:23	468.000	5051.000	0.000	49010.000	47540.000	49180.000	90.675%	95.600
2	20:44:06	457.700	5010.000	0.000	48100.000	48330.000	49560.000	87.944%	96.580
3	20:44:49	477.600	5176.000	0.000	50250.000	50080.000	51820.000	84.776%	101.400
x		93.554%	101.583%	0.000	98.235%	97.296%	100.371%	87.798%	97.844%
σ		n/a	n/a	0.000	n/a	n/a	n/a	2.952%	n/a
%RSD		2.118	1.707	0.000	2.196	2.670	2.852	3.362	3.145
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:23	95.180	95.620	502.000	25270.000	25100.000	95.210	95.010	94.980
2	20:44:06	96.610	96.420	511.400	25500.000	25370.000	96.250	96.060	95.540
3	20:44:49	100.600	101.500	531.100	26590.000	26450.000	99.450	98.950	99.310
x		97.474%	97.846%	102.964%	103.145%	102.563%	96.971%	96.674%	96.609%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.907	3.256	2.891	2.724	2.789	2.280	2.113	2.436
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:23	95.770	99.080	100.300	96.310	98.810	98.880	0.000	93.070
2	20:44:06	95.900	100.200	100.800	97.240	99.920	99.420	0.000	93.940
3	20:44:49	99.080	105.100	105.700	99.460	104.600	105.100	0.000	97.960
x		96.919%	101.463%	102.274%	97.671%	101.120%	101.125%	0.000	94.990%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.935	3.176	2.894	1.654	3.056	3.402	0.000	2.748
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:23	89.760%	92.100	91.530	86.862%	92.740	92.890	95.200	95.240
2	20:44:06	90.282%	94.950	95.340	86.274%	92.600	93.020	96.110	96.120
3	20:44:49	87.879%	99.690	100.300	84.594%	96.650	97.720	99.690	100.400
x		89.307%	95.578%	95.730%	85.910%	93.998%	94.542%	96.998%	97.258%
σ		1.264%	n/a	n/a	1.177%	n/a	n/a	n/a	n/a
%RSD		1.415	4.010	4.612	1.370	2.449	2.909	2.445	2.843
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:23	87.870%	91.300	93.010	92.950	91.540	92.920	88.411%	92.219%
2	20:44:06	89.393%	92.910	93.460	93.200	92.530	93.300	90.380%	94.053%
3	20:44:49	87.153%	97.130	97.470	96.840	96.000	96.430	89.367%	92.656%
x		88.139%	93.776%	94.646%	94.330%	93.355%	94.218%	89.386%	92.976%
σ		1.144%	n/a	n/a	n/a	n/a	n/a	0.985%	0.958%
%RSD		1.297	3.210	2.591	2.305	2.512	2.045	1.102	1.030
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:43:23	92.240	92.830	93.190	93.350	93.010	84.033%		
2	20:44:06	93.730	93.940	94.510	94.830	94.440	85.885%		
3	20:44:49	97.720	97.880	98.140	98.920	98.090	85.131%		
x		94.566%	94.885%	95.283%	95.701%	95.179%	85.016%		
σ		n/a	n/a	n/a	n/a	n/a	0.931%		
%RSD		2.997	2.800	2.688	3.014	2.755	1.095		

CCB3 12/22/2012 8:50:40 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:51:23	97.127%	-0.019	1.043	0.866	0.000	0.829	1.999	2.305
2	20:52:06	92.949%	-0.025	0.636	0.742	0.000	0.467	2.314	2.204
3	20:52:49	92.519%	-0.018	0.722	0.775	0.000	0.761	2.055	2.188
X		94.198%	-0.020	0.800	0.794	0.000	0.686	2.123	2.232
σ		2.545%	0.004	0.215	0.065	0.000	0.192	0.168	0.064
%RSD		2.702	17.550	26.800	8.132	0.000	28.030	7.916	2.850
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:51:23	0.214	-2.349	0.000	-6.403	-1.169	1.202	111.963%	-0.030
2	20:52:06	0.225	-1.470	0.000	-7.696	0.464	-0.423	108.036%	-0.011
3	20:52:49	0.251	-2.092	0.000	-6.354	3.403	0.928	106.823%	-0.051
X		0.230	-1.971	0.000	-6.818	0.899	0.569	108.941%	-0.030
σ		0.019	0.452	0.000	0.761	2.317	0.870	2.687%	0.020
%RSD		8.212	22.940	0.000	11.160	257.600	152.800	2.466	65.170
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:51:23	0.046	0.022	0.336	8.419	12.120	-0.005	-0.023	-0.041
2	20:52:06	0.014	0.004	0.316	3.967	8.204	-0.003	-0.031	-0.047
3	20:52:49	0.022	0.036	0.301	3.775	7.693	-0.005	-0.028	-0.051
X		0.027	0.021	0.318	5.387	9.339	-0.005	-0.027	-0.046
σ		0.017	0.016	0.018	2.628	2.422	0.002	0.004	0.005
%RSD		61.420	79.210	5.518	48.780	25.930	34.200	14.080	11.540
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:51:23	-0.058	-0.585	-0.500	-0.317	0.005	-1.188	0.000	0.011
2	20:52:06	-0.047	-0.577	-0.450	-0.209	-0.017	-1.108	0.000	0.009
3	20:52:49	-0.066	-0.650	-0.556	-0.321	0.183	-1.337	0.000	0.009
X		-0.057	-0.604	-0.502	-0.282	0.057	-1.211	0.000	0.010
σ		0.009	0.040	0.053	0.064	0.109	0.116	0.000	0.001
%RSD		16.320	6.610	10.630	22.520	191.500	9.616	0.000	12.680
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:51:23	95.409%	0.264	0.256	93.417%	-0.003	-0.004	-0.028	-0.022
2	20:52:06	96.813%	0.223	0.225	94.586%	-0.004	-0.004	0.003	0.014
3	20:52:49	95.986%	0.217	0.193	94.095%	0.001	-0.002	-0.028	-0.010
X		96.069%	0.234	0.225	94.033%	-0.002	-0.003	-0.017	-0.006
σ		0.706%	0.026	0.032	0.587%	0.003	0.002	0.018	0.018
%RSD		0.735	11.030	14.150	0.624	138.300	44.560	103.200	303.900
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:51:23	91.922%	-0.284	-0.068	-0.062	-0.004	0.016	93.642%	94.326%
2	20:52:06	93.559%	-0.335	-0.051	-0.059	-0.011	0.009	96.713%	97.344%
3	20:52:49	92.876%	-0.370	-0.068	-0.045	-0.013	0.020	95.974%	97.237%
X		92.785%	-0.330	-0.063	-0.055	-0.010	0.015	95.443%	96.302%
σ		0.822%	0.043	0.010	0.009	0.005	0.006	1.603%	1.712%
%RSD		0.886	13.140	15.510	16.160	47.730	36.650	1.679	1.778
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:51:23	0.008	0.003	0.096	0.087	0.084	99.928%		
2	20:52:06	0.004	0.005	0.085	0.075	0.080	103.725%		
3	20:52:49	0.006	0.012	0.075	0.088	0.073	102.439%		
X		0.006	0.007	0.086	0.083	0.079	102.031%		
σ		0.002	0.004	0.011	0.007	0.006	1.931%		
%RSD		35.180	63.680	12.310	8.757	7.127	1.893		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:44	84.072%	5.749	27.890	29.260	0.000	615.200	28280.000	29340.000
2	20:56:27	82.518%	5.759	28.440	28.910	0.000	607.800	28000.000	29280.000
3	20:57:10	79.384%	5.992	28.960	29.930	0.000	607.100	28300.000	29820.000
X		81.992%	5.833	28.430	29.370	0.000	610.000	28200.000	29480.000
σ		2.388%	0.138	0.538	0.521	0.000	4.445	167.900	297.000
%RSD		2.912	2.359	1.892	1.775	0.000	0.729	0.596	1.007
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:44	110200.000	2578.000	0.000	10320.000	27490.000	28690.000	97.618%	637.600
2	20:56:27	109400.000	2562.000	0.000	10410.000	28150.000	28880.000	93.406%	644.300
3	20:57:10	110700.000	2590.000	0.000	10630.000	28310.000	29020.000	89.074%	655.200
X		110100.000	2577.000	0.000	10450.000	27980.000	28860.000	93.366%	645.700
σ		665.900	13.660	0.000	160.500	434.700	170.100	4.272%	8.857
%RSD		0.605	0.530	0.000	1.536	1.554	0.589	4.576	1.372
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:44	189.300	205.700	4251.000	253900.000	265700.000	116.900	240.700	191.600
2	20:56:27	193.600	207.000	4267.000	254400.000	265600.000	118.300	241.200	192.600
3	20:57:10	197.300	208.600	4380.000	260900.000	268600.000	119.000	243.400	193.300
X		193.400	207.100	4299.000	256400.000	266600.000	118.000	241.800	192.500
σ		4.000	1.474	70.150	3888.000	1735.000	1.085	1.436	0.886
%RSD		2.068	0.712	1.632	1.516	0.651	0.919	0.594	0.460
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:44	192.100	555.600	566.300	119.800	3.616	5.830	0.000	104.500
2	20:56:27	194.100	565.300	572.500	121.700	3.482	6.119	0.000	107.400
3	20:57:10	195.800	577.100	586.500	121.400	3.321	5.748	0.000	107.900
X		194.000	566.000	575.100	121.000	3.473	5.899	0.000	106.600
σ		1.884	10.760	10.320	1.017	0.148	0.195	0.000	1.814
%RSD		0.971	1.901	1.794	0.841	4.251	3.298	0.000	1.701
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:44	0.000	12.190	12.210	83.017%	0.306	0.212	1.910	1.555
2	20:56:27	0.000	12.540	12.690	80.232%	0.334	0.223	1.993	1.567
3	20:57:10	0.000	12.750	12.550	78.658%	0.330	0.220	1.983	1.555
X		0.000	12.490	12.480	80.635%	0.323	0.218	1.962	1.559
σ		0.000	0.284	0.248	2.207%	0.015	0.006	0.046	0.007
%RSD		0.000	2.271	1.984	2.738	4.718	2.580	2.320	0.460
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:44	84.183%	9.658	1.002	1.017	666.600	666.600	90.595%	89.064%
2	20:56:27	83.449%	9.652	0.934	0.995	668.600	669.200	90.799%	89.453%
3	20:57:10	81.192%	9.643	0.918	0.989	679.600	676.600	89.830%	88.565%
X		82.941%	9.651	0.951	1.000	671.600	670.800	90.408%	89.028%
σ		1.559%	0.008	0.045	0.015	7.005	5.198	0.511%	0.445%
%RSD		1.879	0.082	4.683	1.465	1.043	0.775	0.565	0.500
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:55:44	1.634	1.623	163.300	160.900	162.200	78.149%		
2	20:56:27	1.682	1.675	167.400	164.800	165.400	78.044%		
3	20:57:10	1.719	1.717	169.900	166.800	167.700	77.405%		
X		1.678	1.672	166.800	164.200	165.100	77.866%		
σ		0.043	0.047	3.333	2.997	2.727	0.403%		
%RSD		2.556	2.837	1.998	1.825	1.652	0.518		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:03	77.678%	6.836	46.920	48.450	0.000	803.900	43520.000	46200.000
2	21:00:46	76.149%	7.065	49.150	49.530	0.000	826.500	44620.000	47090.000
3	21:01:29	76.738%	6.785	47.740	49.530	0.000	798.400	43970.000	46410.000
X		76.855%	6.895	47.930	49.170	0.000	809.600	44040.000	46570.000
σ		0.771%	0.149	1.131	0.625	0.000	14.870	556.300	468.300
%RSD		1.003	2.163	2.359	1.271	0.000	1.837	1.263	1.006
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:03	121100.000	2114.000	0.000	17540.000	94980.000	97610.000	91.558%	560.300
2	21:00:46	123500.000	2134.000	0.000	17740.000	96950.000	99540.000	90.484%	571.000
3	21:01:29	121100.000	2093.000	0.000	17190.000	93850.000	97050.000	89.605%	560.000
X		121900.000	2114.000	0.000	17490.000	95260.000	98070.000	90.549%	563.800
σ		1352.000	20.580	0.000	281.900	1566.000	1310.000	0.978%	6.288
%RSD		1.109	0.974	0.000	1.612	1.644	1.336	1.080	1.115
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:03	190.400	201.600	3353.000	267700.000	278000.000	117.300	294.600	193.600
2	21:00:46	196.000	204.800	3392.000	270200.000	283400.000	119.000	295.100	195.600
3	21:01:29	194.700	203.700	3333.000	266500.000	275500.000	116.900	290.300	193.500
X		193.700	203.400	3359.000	268100.000	279000.000	117.700	293.300	194.200
σ		2.943	1.625	30.230	1909.000	4060.000	1.098	2.649	1.166
%RSD		1.520	0.799	0.900	0.712	1.455	0.933	0.903	0.600
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:03	194.200	626.600	636.600	121.100	2.294	4.260	0.000	211.300
2	21:00:46	197.900	635.100	651.000	124.600	2.417	4.948	0.000	216.300
3	21:01:29	193.700	631.800	640.400	122.600	2.533	5.283	0.000	213.600
X		195.300	631.200	642.700	122.700	2.414	4.830	0.000	213.700
σ		2.244	4.300	7.454	1.754	0.120	0.522	0.000	2.491
%RSD		1.149	0.681	1.160	1.429	4.955	10.800	0.000	1.166
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:03	0.000	10.780	10.710	77.913%	0.296	0.187	2.105	1.577
2	21:00:46	0.000	11.110	10.900	78.295%	0.325	0.168	2.103	1.541
3	21:01:29	0.000	10.710	10.650	79.040%	0.305	0.171	2.012	1.493
X		0.000	10.870	10.750	78.416%	0.309	0.175	2.073	1.537
σ		0.000	0.210	0.133	0.573%	0.015	0.010	0.053	0.042
%RSD		0.000	1.935	1.232	0.730	4.900	5.822	2.566	2.760
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:03	80.424%	7.764	0.851	0.831	763.500	763.200	88.416%	87.168%
2	21:00:46	81.573%	7.994	0.842	0.850	773.700	775.500	90.410%	89.214%
3	21:01:29	82.676%	7.796	0.782	0.862	760.300	758.400	92.481%	90.229%
X		81.558%	7.851	0.825	0.848	765.800	765.700	90.436%	88.870%
σ		1.126%	0.125	0.037	0.016	7.018	8.828	2.033%	1.559%
%RSD		1.381	1.589	4.495	1.841	0.916	1.153	2.248	1.754
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:00:03	1.683	1.677	137.200	136.700	136.900	75.070%		
2	21:00:46	1.751	1.707	140.300	137.900	139.000	76.646%		
3	21:01:29	1.712	1.728	136.900	134.000	135.300	78.826%		
X		1.715	1.704	138.100	136.200	137.100	76.847%		
σ		0.034	0.026	1.870	2.030	1.828	1.886%		
%RSD		1.980	1.507	1.354	1.490	1.334	2.454		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:24	77.600%	8.047	51.330	52.150	0.000	757.200	37670.000	39310.000
2	21:05:07	74.871%	7.828	53.280	53.420	0.000	764.600	38680.000	40370.000
3	21:05:50	75.738%	8.163	51.910	52.010	0.000	744.500	37970.000	39900.000
X		76.070%	8.013	52.170	52.520	0.000	755.400	38100.000	39860.000
σ		1.394%	0.170	1.003	0.775	0.000	10.170	517.800	529.700
%RSD		1.833	2.127	1.923	1.476	0.000	1.346	1.359	1.329
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:24	163100.000	2813.000	0.000	16690.000	50890.000	52470.000	94.158%	815.500
2	21:05:07	167800.000	2844.000	0.000	16740.000	51770.000	53100.000	92.026%	815.400
3	21:05:50	163900.000	2782.000	0.000	16670.000	51210.000	53340.000	89.963%	815.300
X		165000.000	2813.000	0.000	16700.000	51290.000	52970.000	92.049%	815.400
σ		2475.000	30.950	0.000	35.030	447.100	452.700	2.097%	0.093
%RSD		1.501	1.100	0.000	0.210	0.872	0.855	2.279	0.011
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:24	290.000	241.700	3447.000	294900.000	310700.000	105.700	249.600	182.800
2	21:05:07	291.600	244.200	3479.000	296900.000	311200.000	104.500	246.600	181.400
3	21:05:50	292.900	241.900	3490.000	299100.000	312500.000	105.800	247.400	183.100
X		291.500	242.600	3472.000	296900.000	311500.000	105.300	247.900	182.400
σ		1.432	1.367	22.180	2129.000	958.400	0.714	1.575	0.905
%RSD		0.491	0.564	0.639	0.717	0.308	0.678	0.635	0.496
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:24	184.000	591.100	601.500	121.500	4.433	6.211	0.000	152.900
2	21:05:07	182.900	596.500	607.900	121.800	4.386	6.267	0.000	154.400
3	21:05:50	184.600	602.300	613.800	123.300	4.218	7.392	0.000	154.700
X		183.800	596.600	607.700	122.200	4.346	6.623	0.000	154.000
σ		0.827	5.606	6.140	0.952	0.113	0.666	0.000	0.964
%RSD		0.450	0.940	1.010	0.779	2.601	10.060	0.000	0.626
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:24	0.000	13.500	13.510	77.639%	0.518	0.402	2.029	1.498
2	21:05:07	0.000	13.270	13.460	77.662%	0.510	0.375	2.180	1.574
3	21:05:50	0.000	13.300	13.390	77.228%	0.506	0.369	2.070	1.547
X		0.000	13.360	13.460	77.510%	0.511	0.382	2.093	1.540
σ		0.000	0.120	0.063	0.244%	0.006	0.018	0.078	0.038
%RSD		0.000	0.900	0.470	0.315	1.213	4.594	3.710	2.494
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:24	80.310%	10.710	0.997	1.039	908.300	905.500	86.559%	84.839%
2	21:05:07	80.656%	10.920	0.979	1.027	916.500	916.800	87.551%	86.249%
3	21:05:50	80.657%	10.900	0.980	0.999	915.200	912.700	88.311%	86.573%
X		80.541%	10.840	0.986	1.022	913.300	911.700	87.473%	85.887%
σ		0.200%	0.117	0.010	0.021	4.423	5.714	0.879%	0.922%
%RSD		0.249	1.077	1.035	2.030	0.484	0.627	1.005	1.074
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:04:24	2.147	2.138	172.500	168.700	169.600	73.938%		
2	21:05:07	2.109	2.158	171.600	169.500	170.900	75.722%		
3	21:05:50	2.214	2.168	174.500	170.700	172.600	75.298%		
X		2.157	2.155	172.900	169.600	171.100	74.986%		
σ		0.053	0.015	1.489	0.974	1.478	0.932%		
%RSD		2.477	0.702	0.862	0.574	0.864	1.243		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:42	73.199%	7.070	27.820	27.970	0.000	633.500	26970.000	28180.000
2	21:09:25	72.187%	7.230	27.210	27.090	0.000	627.300	26920.000	28390.000
3	21:10:08	72.072%	6.939	25.920	28.160	0.000	628.700	26690.000	28390.000
X		72.486%	7.079	26.980	27.740	0.000	629.800	26860.000	28320.000
σ		0.620%	0.145	0.968	0.569	0.000	3.255	150.900	124.700
%RSD		0.855	2.054	3.587	2.051	0.000	0.517	0.562	0.440
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:42	114800.000	2780.000	0.000	10430.000	22640.000	23780.000	85.241%	588.800
2	21:09:25	115800.000	2782.000	0.000	10310.000	22900.000	24010.000	80.848%	593.900
3	21:10:08	115300.000	2798.000	0.000	10440.000	23100.000	24230.000	80.670%	595.100
X		115300.000	2787.000	0.000	10390.000	22880.000	24000.000	82.253%	592.600
σ		513.500	9.720	0.000	70.680	231.800	226.300	2.590%	3.379
%RSD		0.445	0.349	0.000	0.680	1.013	0.943	3.148	0.570
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:42	213.000	220.700	5905.000	376100.000	407500.000	123.800	259.100	237.400
2	21:09:25	214.700	219.900	5980.000	383400.000	407700.000	123.000	257.400	240.100
3	21:10:08	215.400	222.600	6014.000	387100.000	413200.000	125.900	261.900	241.000
X		214.400	221.100	5966.000	382200.000	409400.000	124.200	259.500	239.500
σ		1.212	1.384	55.470	5580.000	3216.000	1.491	2.241	1.894
%RSD		0.565	0.626	0.930	1.460	0.785	1.200	0.864	0.791
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:42	238.900	882.500	893.900	177.000	3.459	6.535	0.000	106.100
2	21:09:25	241.300	899.300	918.100	182.400	3.916	6.738	0.000	107.700
3	21:10:08	241.700	903.300	916.500	180.700	3.710	6.227	0.000	106.900
X		240.600	895.100	909.500	180.000	3.695	6.500	0.000	106.900
σ		1.493	11.010	13.520	2.741	0.229	0.257	0.000	0.778
%RSD		0.621	1.230	1.486	1.523	6.198	3.960	0.000	0.728
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:42	0.000	15.520	15.960	73.031%	0.294	0.177	2.489	1.990
2	21:09:25	0.000	15.660	15.890	71.635%	0.286	0.182	2.510	1.947
3	21:10:08	0.000	15.900	15.940	71.279%	0.312	0.188	2.375	1.922
X		0.000	15.700	15.930	71.982%	0.297	0.182	2.458	1.953
σ		0.000	0.194	0.038	0.926%	0.014	0.006	0.073	0.034
%RSD		0.000	1.234	0.241	1.286	4.541	3.093	2.959	1.763
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:42	76.000%	9.191	1.382	1.418	689.400	688.700	86.811%	84.877%
2	21:09:25	74.802%	9.275	1.381	1.319	701.300	695.200	86.612%	85.101%
3	21:10:08	74.189%	9.491	1.428	1.408	705.500	702.900	85.775%	84.422%
X		74.997%	9.319	1.397	1.382	698.700	695.600	86.399%	84.800%
σ		0.921%	0.155	0.027	0.054	8.355	7.125	0.550%	0.346%
%RSD		1.228	1.659	1.945	3.930	1.196	1.024	0.637	0.408
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:08:42	1.821	1.809	223.800	221.600	223.500	73.226%		
2	21:09:25	1.858	1.850	228.100	225.800	226.500	73.154%		
3	21:10:08	1.882	1.864	228.600	228.700	228.000	73.147%		
X		1.854	1.841	226.800	225.400	226.000	73.176%		
σ		0.031	0.029	2.638	3.565	2.298	0.044%		
%RSD		1.660	1.562	1.163	1.582	1.017	0.060		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:59	77.772%	5.378	24.140	23.640	0.000	438.200	23240.000	24520.000
2	21:13:42	76.093%	5.101	23.800	23.620	0.000	442.900	23320.000	24480.000
3	21:14:25	73.451%	5.464	23.900	23.680	0.000	444.300	23490.000	24840.000
x		75.772%	5.314	23.950	23.650	0.000	441.800	23350.000	24610.000
σ		2.178%	0.189	0.176	0.030	0.000	3.167	130.100	197.300
%RSD		2.875	3.563	0.734	0.127	0.000	0.717	0.557	0.802
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:59	96430.000	2197.000	0.000	8934.000	12600.000	12400.000	83.768%	584.200
2	21:13:42	96970.000	2162.000	0.000	8755.000	12710.000	12290.000	80.974%	576.300
3	21:14:25	98980.000	2210.000	0.000	8850.000	12630.000	12310.000	80.328%	579.400
x		97460.000	2190.000	0.000	8846.000	12650.000	12330.000	81.690%	580.000
σ		1340.000	24.960	0.000	89.240	53.270	58.610	1.828%	3.982
%RSD		1.374	1.140	0.000	1.009	0.421	0.475	2.238	0.687
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:59	174.100	166.800	3363.000	234200.000	239600.000	100.100	214.600	176.700
2	21:13:42	176.000	165.100	3342.000	230900.000	234200.000	97.180	209.200	173.600
3	21:14:25	176.100	166.100	3359.000	233000.000	239000.000	98.510	212.100	175.600
x		175.400	166.000	3354.000	232700.000	237600.000	98.580	212.000	175.300
σ		1.157	0.848	11.220	1658.000	2927.000	1.437	2.696	1.608
%RSD		0.660	0.511	0.334	0.713	1.232	1.458	1.272	0.917
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:59	176.900	534.700	545.400	102.700	2.368	4.906	0.000	74.600
2	21:13:42	174.500	528.800	541.300	102.300	2.611	4.267	0.000	74.720
3	21:14:25	176.800	536.600	549.900	104.700	2.683	4.921	0.000	76.030
x		176.000	533.400	545.500	103.200	2.554	4.698	0.000	75.120
σ		1.359	4.079	4.300	1.316	0.165	0.373	0.000	0.794
%RSD		0.772	0.765	0.788	1.275	6.466	7.944	0.000	1.057
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:59	0.000	10.050	10.120	72.178%	0.322	0.199	2.031	1.509
2	21:13:42	0.000	10.100	10.140	72.706%	0.334	0.199	2.000	1.524
3	21:14:25	0.000	10.050	10.270	72.380%	0.324	0.185	1.800	1.385
x		0.000	10.070	10.180	72.422%	0.326	0.194	1.944	1.472
σ		0.000	0.026	0.085	0.266%	0.006	0.008	0.126	0.076
%RSD		0.000	0.254	0.837	0.368	1.907	4.222	6.461	5.179
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:59	73.777%	8.663	0.777	0.796	672.700	671.000	82.622%	82.178%
2	21:13:42	75.762%	8.566	0.784	0.773	667.200	667.000	84.823%	84.487%
3	21:14:25	75.961%	8.755	0.771	0.749	669.200	670.900	85.928%	84.933%
x		75.167%	8.662	0.777	0.772	669.700	669.600	84.458%	83.866%
σ		1.207%	0.094	0.007	0.024	2.795	2.253	1.683%	1.479%
%RSD		1.606	1.089	0.864	3.084	0.417	0.337	1.993	1.763
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:12:59	1.558	1.521	125.500	123.300	124.600	72.358%		
2	21:13:42	1.542	1.476	123.200	120.800	121.900	76.305%		
3	21:14:25	1.507	1.521	126.200	124.300	124.800	75.985%		
x		1.536	1.506	125.000	122.800	123.800	74.883%		
σ		0.026	0.026	1.601	1.799	1.617	2.193%		
%RSD		1.695	1.744	1.281	1.465	1.307	2.928		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:16	75.064%	7.220	60.340	62.740	0.000	871.800	44210.000	45990.000
2	21:17:59	76.431%	7.077	60.240	60.570	0.000	856.000	43160.000	44980.000
3	21:18:42	74.367%	7.459	62.760	65.160	0.000	880.900	44310.000	47250.000
X		75.287%	7.252	61.110	62.820	0.000	869.600	43890.000	46070.000
σ		1.050%	0.193	1.427	2.297	0.000	12.630	635.600	1136.000
%RSD		1.395	2.659	2.334	3.656	0.000	1.453	1.448	2.466
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:16	130100.000	3400.000	0.000	18620.000	83630.000	85960.000	86.534%	720.800
2	21:17:59	128600.000	3382.000	0.000	18280.000	84250.000	86760.000	87.259%	733.500
3	21:18:42	133600.000	3456.000	0.000	18710.000	84850.000	87540.000	87.009%	736.800
X		130800.000	3413.000	0.000	18540.000	84240.000	86750.000	86.934%	730.400
σ		2586.000	38.640	0.000	224.900	606.900	790.100	0.368%	8.451
%RSD		1.977	1.132	0.000	1.213	0.720	0.911	0.423	1.157
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:16	209.800	204.700	3097.000	267200.000	278300.000	114.900	290.100	193.100
2	21:17:59	213.300	208.900	3139.000	271700.000	280000.000	116.100	290.000	193.500
3	21:18:42	214.800	209.200	3197.000	274400.000	286200.000	117.500	294.800	198.400
X		212.600	207.600	3144.000	271100.000	281500.000	116.100	291.700	195.000
σ		2.514	2.489	50.140	3630.000	4167.000	1.292	2.745	2.953
%RSD		1.183	1.199	1.594	1.339	1.480	1.112	0.941	1.514
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:16	194.000	570.300	577.400	118.500	2.543	4.908	0.000	188.000
2	21:17:59	195.200	572.100	587.000	117.900	2.507	5.196	0.000	191.700
3	21:18:42	198.400	578.300	590.600	120.200	2.583	5.515	0.000	194.400
X		195.900	573.600	585.000	118.900	2.544	5.206	0.000	191.400
σ		2.278	4.220	6.808	1.204	0.038	0.303	0.000	3.214
%RSD		1.163	0.736	1.164	1.013	1.500	5.830	0.000	1.679
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:16	0.000	11.620	11.380	74.025%	0.319	0.191	1.996	1.486
2	21:17:59	0.000	11.410	11.740	75.816%	0.330	0.199	2.273	1.683
3	21:18:42	0.000	11.510	11.770	76.242%	0.314	0.210	2.250	1.627
X		0.000	11.510	11.630	75.361%	0.321	0.200	2.173	1.599
σ		0.000	0.107	0.218	1.177%	0.008	0.009	0.154	0.101
%RSD		0.000	0.926	1.878	1.561	2.577	4.605	7.066	6.343
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:16	76.518%	10.300	0.743	0.789	748.400	747.800	85.179%	83.615%
2	21:17:59	78.771%	10.320	0.827	0.792	759.000	754.300	87.664%	86.837%
3	21:18:42	79.036%	10.500	0.756	0.748	768.200	767.500	88.793%	87.196%
X		78.108%	10.370	0.775	0.776	758.600	756.500	87.212%	85.883%
σ		1.384%	0.107	0.045	0.025	9.891	10.030	1.849%	1.972%
%RSD		1.772	1.032	5.798	3.161	1.304	1.326	2.120	2.296
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:17:16	1.869	1.848	131.800	129.100	130.300	73.059%		
2	21:17:59	1.873	1.893	134.400	132.200	133.100	75.073%		
3	21:18:42	1.934	1.955	135.500	133.100	134.100	75.454%		
X		1.892	1.899	133.900	131.500	132.500	74.529%		
σ		0.036	0.054	1.891	2.083	1.975	1.287%		
%RSD		1.919	2.827	1.413	1.585	1.491	1.727		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:34	76.469%	7.812	71.430	71.500	0.000	925.900	52350.000	54780.000
2	21:22:17	74.928%	7.677	71.730	73.240	0.000	921.300	52560.000	55590.000
3	21:23:00	73.995%	8.021	71.330	72.420	0.000	925.400	52890.000	55910.000
x		75.131%	7.837	71.500	72.380	0.000	924.200	52600.000	55430.000
σ		1.249%	0.173	0.211	0.869	0.000	2.523	272.800	581.000
%RSD		1.663	2.209	0.295	1.201	0.000	0.273	0.519	1.048
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:34	137700.000	2491.000	0.000	22880.000	117100.000	121800.000	87.935%	812.400
2	21:22:17	138200.000	2498.000	0.000	23130.000	119800.000	124300.000	86.234%	820.900
3	21:23:00	138300.000	2523.000	0.000	23000.000	119800.000	124400.000	85.210%	830.300
x		138000.000	2504.000	0.000	23000.000	118900.000	123500.000	86.460%	821.200
σ		330.700	16.480	0.000	126.200	1567.000	1480.000	1.377%	8.959
%RSD		0.239	0.658	0.000	0.549	1.318	1.198	1.592	1.091
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:34	224.900	219.300	3493.000	284600.000	299100.000	130.900	324.500	195.900
2	21:22:17	221.500	221.900	3547.000	289300.000	302900.000	132.500	327.300	198.600
3	21:23:00	227.500	226.300	3595.000	293200.000	303400.000	132.700	330.900	201.000
x		224.600	222.500	3545.000	289000.000	301800.000	132.000	327.600	198.500
σ		3.031	3.552	50.940	4298.000	2351.000	0.994	3.194	2.530
%RSD		1.349	1.597	1.437	1.487	0.779	0.753	0.975	1.275
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:34	199.200	622.500	628.300	100.800	2.264	4.877	0.000	277.000
2	21:22:17	199.900	631.400	641.600	102.600	2.394	5.022	0.000	284.200
3	21:23:00	203.700	634.500	649.100	103.400	2.113	5.458	0.000	286.300
x		200.900	629.500	639.700	102.300	2.257	5.119	0.000	282.500
σ		2.421	6.236	10.520	1.347	0.141	0.302	0.000	4.905
%RSD		1.205	0.991	1.645	1.317	6.230	5.906	0.000	1.736
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:34	0.000	12.620	12.560	74.591%	0.289	0.129	2.426	1.783
2	21:22:17	0.000	12.640	12.920	74.222%	0.320	0.166	2.152	1.647
3	21:23:00	0.000	12.960	12.730	74.967%	0.316	0.148	2.410	1.730
x		0.000	12.740	12.740	74.593%	0.309	0.147	2.330	1.720
σ		0.000	0.193	0.181	0.372%	0.017	0.018	0.154	0.068
%RSD		0.000	1.511	1.425	0.499	5.570	12.400	6.597	3.981
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:34	77.250%	10.080	0.700	0.690	723.100	721.500	85.076%	83.655%
2	21:22:17	78.076%	10.630	0.673	0.712	736.100	733.600	86.196%	84.873%
3	21:23:00	78.123%	10.590	0.676	0.678	740.300	740.800	87.374%	86.376%
x		77.817%	10.430	0.683	0.693	733.200	732.000	86.215%	84.968%
σ		0.491%	0.308	0.015	0.017	8.959	9.731	1.149%	1.363%
%RSD		0.631	2.949	2.169	2.464	1.222	1.329	1.333	1.604
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:21:34	1.978	1.913	135.000	132.300	133.700	72.050%		
2	21:22:17	1.948	1.988	139.000	135.900	137.000	72.994%		
3	21:23:00	1.987	2.037	139.100	138.300	138.400	73.189%		
x		1.971	1.979	137.700	135.500	136.400	72.744%		
σ		0.021	0.063	2.322	3.020	2.415	0.610%		
%RSD		1.044	3.169	1.687	2.229	1.771	0.838		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:14	102.626%	-0.037	0.452	0.616	0.000	1.365	2.166	2.399
2	21:30:57	101.309%	-0.028	0.525	0.490	0.000	1.254	2.636	2.530
X		101.968%	-0.033	0.489	0.553	0.000	1.309	2.401	2.465
σ		0.931%	0.006	0.052	0.089	0.000	0.079	0.333	0.093
%RSD		0.913	19.760	10.680	16.150	0.000	5.996	13.850	3.770
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:14	4.757	-1.381	0.000	-7.033	15.780	13.850	116.032%	-0.025
2	21:30:57	5.143	-0.977	0.000	-7.320	15.330	14.830	115.362%	0.058
X		4.950	-1.179	0.000	-7.177	15.550	14.340	115.697%	0.016
σ		0.273	0.285	0.000	0.203	0.317	0.691	0.474%	0.058
%RSD		5.517	24.200	0.000	2.822	2.039	4.822	0.410	358.200
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:14	-0.081	0.083	0.087	26.580	29.100	-0.011	-0.010	0.007
2	21:30:57	0.028	0.098	0.115	20.800	22.630	-0.011	0.005	0.000
X		-0.027	0.091	0.101	23.690	25.860	-0.011	-0.002	0.004
σ		0.077	0.010	0.019	4.087	4.573	0.001	0.011	0.005
%RSD		287.700	11.070	19.090	17.250	17.680	4.666	465.700	138.100
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:14	-0.002	0.590	0.519	-0.516	-0.231	-2.023	0.000	0.030
2	21:30:57	-0.015	0.497	0.705	-0.378	-0.180	-1.719	0.000	0.024
X		-0.009	0.543	0.612	-0.447	-0.205	-1.871	0.000	0.027
σ		0.009	0.066	0.131	0.098	0.036	0.215	0.000	0.004
%RSD		105.000	12.080	21.440	21.850	17.580	11.480	0.000	13.640
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:14	101.719%	0.051	0.044	96.867%	-0.010	-0.013	0.038	0.017
2	21:30:57	101.914%	0.046	0.045	97.231%	-0.009	-0.008	0.024	0.013
X		101.816%	0.048	0.045	97.049%	-0.010	-0.011	0.031	0.015
σ		0.138%	0.003	0.000	0.257%	0.001	0.003	0.010	0.003
%RSD		0.136	6.707	0.674	0.265	7.289	30.800	32.560	21.030
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:14	93.695%	1.281	-0.103	-0.103	0.038	0.048	95.391%	96.006%
2	21:30:57	95.133%	1.484	-0.111	-0.107	0.094	0.091	98.341%	98.932%
X		94.414%	1.383	-0.107	-0.105	0.066	0.070	96.866%	97.469%
σ		1.017%	0.143	0.005	0.003	0.040	0.030	2.086%	2.069%
%RSD		1.077	10.380	4.843	2.473	60.230	43.210	2.154	2.123
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:30:14	-0.007	-0.005	0.037	0.046	0.039	100.771%		
2	21:30:57	-0.005	-0.002	0.041	0.027	0.035	102.670%		
X		-0.006	-0.003	0.039	0.037	0.037	101.721%		
σ		0.001	0.002	0.003	0.013	0.003	1.342%		
%RSD		14.700	67.300	7.229	36.390	8.245	1.320		

LCS 180-59062/2-A

12/22/2012 9:33:07 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:49	80.398%	866.900	78.180	78.130	0.000	8308.000	7950.000	8319.000
2	21:34:32	79.586%	860.000	76.980	77.340	0.000	8401.000	7934.000	8372.000
3	21:35:15	77.504%	844.400	77.180	78.050	0.000	8314.000	7992.000	8492.000
X		79.163%	857.100	77.450	77.840	0.000	8341.000	7959.000	8394.000
σ		1.493%	11.500	0.639	0.433	0.000	52.190	29.780	88.400
%RSD		1.886	1.342	0.825	0.556	0.000	0.626	0.374	1.053
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:49	8213.000	13.530	0.000	8619.000	9446.000	8973.000	83.782%	88.060
2	21:34:32	8308.000	13.760	0.000	8675.000	9585.000	9023.000	81.613%	86.400
3	21:35:15	8395.000	13.320	0.000	8534.000	9377.000	9020.000	80.130%	87.110
X		8305.000	13.540	0.000	8609.000	9469.000	9006.000	81.841%	87.190
σ		90.840	0.222	0.000	71.100	106.100	27.850	1.837%	0.834
%RSD		1.094	1.640	0.000	0.826	1.121	0.309	2.244	0.956
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:49	903.600	916.500	920.600	9401.000	8941.000	890.800	880.400	849.500
2	21:34:32	909.600	920.500	924.900	9292.000	9001.000	901.000	876.400	845.200
3	21:35:15	902.800	916.000	935.500	9463.000	9096.000	899.300	880.500	841.900
X		905.300	917.700	927.000	9385.000	9012.000	897.000	879.100	845.600
σ		3.697	2.490	7.662	86.540	77.830	5.431	2.311	3.806
%RSD		0.408	0.271	0.827	0.922	0.864	0.605	0.263	0.450
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:49	881.400	905.400	920.700	864.900	894.600	902.800	0.000	888.100
2	21:34:32	893.100	924.800	933.500	883.900	908.500	918.300	0.000	898.000
3	21:35:15	889.100	928.300	938.500	880.400	910.400	915.700	0.000	900.900
X		887.900	919.500	930.900	876.400	904.500	912.300	0.000	895.700
σ		5.990	12.310	9.186	10.140	8.639	8.289	0.000	6.677
%RSD		0.675	1.339	0.987	1.157	0.955	0.909	0.000	0.746
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:49	81.859%	84.270	84.190	81.020%	88.330	89.200	871.300	889.900
2	21:34:32	80.993%	85.520	85.400	80.426%	90.370	91.030	892.600	908.500
3	21:35:15	81.198%	85.330	86.130	80.405%	90.080	90.960	892.000	907.200
X		81.350%	85.040	85.240	80.617%	89.590	90.400	885.300	901.900
σ		0.452%	0.672	0.983	0.349%	1.106	1.040	12.130	10.360
%RSD		0.556	0.790	1.153	0.433	1.235	1.151	1.370	1.149
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:49	81.535%	92.360	83.820	83.870	836.400	836.000	84.902%	85.792%
2	21:34:32	81.466%	92.820	86.250	84.750	842.500	847.000	87.140%	88.028%
3	21:35:15	81.851%	93.200	85.650	85.870	847.300	847.300	87.024%	88.697%
X		81.617%	92.790	85.240	84.830	842.000	843.400	86.355%	87.506%
σ		0.205%	0.421	1.266	1.003	5.461	6.416	1.260%	1.521%
%RSD		0.251	0.454	1.485	1.182	0.648	0.761	1.459	1.738
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:33:49	211.900	211.900	849.600	896.100	889.200	80.556%		
2	21:34:32	215.800	216.900	864.000	910.800	903.400	82.029%		
3	21:35:15	216.300	216.400	862.000	907.600	900.500	83.094%		
X		214.700	215.100	858.500	904.800	897.700	81.893%		
σ		2.395	2.756	7.825	7.731	7.482	1.274%		
%RSD		1.116	1.281	0.911	0.854	0.834	1.556		

240-17796-F-1-A

12/22/2012 9:40:22 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:41:05	83.618%	4.718	15.710	16.230	0.000	220.700	14760.000	15560.000
2	21:41:48	77.222%	4.799	15.610	16.180	0.000	228.100	15190.000	15870.000
3	21:42:31	75.122%	4.562	15.930	16.220	0.000	220.000	14450.000	15350.000
X		78.654%	4.693	15.750	16.210	0.000	222.900	14800.000	15590.000
σ		4.425%	0.121	0.166	0.023	0.000	4.524	371.000	264.900
%RSD		5.626	2.570	1.055	0.140	0.000	2.029	2.507	1.699
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:41:05	78080.000	1642.000	0.000	6063.000	10030.000	9987.000	88.923%	577.900
2	21:41:48	78660.000	1670.000	0.000	6144.000	10600.000	10310.000	80.171%	599.200
3	21:42:31	76970.000	1609.000	0.000	6027.000	10150.000	9991.000	77.758%	590.600
X		77900.000	1641.000	0.000	6078.000	10260.000	10100.000	82.284%	589.200
σ		859.400	30.680	0.000	60.110	300.400	185.300	5.875%	10.710
%RSD		1.103	1.870	0.000	0.989	2.928	1.835	7.139	1.818
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:41:05	166.200	188.900	6201.000	228800.000	234100.000	76.910	169.900	121.900
2	21:41:48	175.800	197.300	6291.000	234000.000	241700.000	79.470	175.500	125.100
3	21:42:31	168.700	189.000	6154.000	229500.000	235300.000	77.180	169.300	121.400
X		170.300	191.700	6215.000	230700.000	237000.000	77.850	171.600	122.800
σ		5.001	4.808	69.660	2832.000	4056.000	1.405	3.415	2.045
%RSD		2.938	2.508	1.121	1.227	1.711	1.805	1.991	1.666
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:41:05	123.400	479.500	489.600	120.000	5.219	6.433	0.000	70.360
2	21:41:48	124.300	494.600	502.200	121.700	4.158	5.255	0.000	72.220
3	21:42:31	121.400	483.300	496.600	118.800	3.859	4.763	0.000	70.540
X		123.100	485.800	496.100	120.200	4.412	5.484	0.000	71.040
σ		1.519	7.837	6.281	1.420	0.715	0.858	0.000	1.026
%RSD		1.234	1.613	1.266	1.181	16.200	15.650	0.000	1.444
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:41:05	0.000	11.580	11.520	78.428%	0.223	0.178	1.499	1.227
2	21:41:48	0.000	11.830	11.940	73.829%	0.214	0.206	1.494	1.254
3	21:42:31	0.000	11.780	11.550	73.256%	0.220	0.188	1.406	1.270
X		0.000	11.730	11.670	75.171%	0.219	0.191	1.466	1.250
σ		0.000	0.133	0.236	2.835%	0.005	0.014	0.052	0.022
%RSD		0.000	1.132	2.025	3.771	2.161	7.461	3.556	1.734
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:41:05	79.948%	7.468	1.181	1.144	527.400	527.200	87.118%	86.805%
2	21:41:48	75.831%	7.527	1.142	1.146	536.500	535.900	85.564%	85.253%
3	21:42:31	76.176%	7.315	1.081	1.088	517.900	519.300	85.703%	86.069%
X		77.318%	7.437	1.135	1.126	527.300	527.400	86.129%	86.042%
σ		2.284%	0.109	0.050	0.033	9.313	8.267	0.860%	0.776%
%RSD		2.954	1.471	4.439	2.900	1.766	1.567	0.998	0.902
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:41:05	1.638	1.655	129.700	127.600	128.100	79.403%		
2	21:41:48	1.582	1.595	133.200	130.600	131.600	78.301%		
3	21:42:31	1.535	1.510	128.200	125.900	127.000	79.680%		
X		1.585	1.587	130.400	128.000	128.900	79.128%		
σ		0.051	0.073	2.564	2.426	2.410	0.729%		
%RSD		3.236	4.571	1.967	1.895	1.870	0.922		

CCV 664806 12/22/2012 9:47:37 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:20	74.500%	99.280	96.110	95.040	0.000	49330.000	45760.000	46910.000
2	21:49:03	73.710%	99.010	92.360	91.510	0.000	47440.000	44760.000	46680.000
3	21:49:46	73.533%	101.300	94.100	94.380	0.000	48450.000	45190.000	46360.000
X		73.914%	99.855%	94.191%	93.642%	0.000	96.812%	90.470%	93.299%
σ		0.515%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.697	1.233	1.991	2.008	0.000	1.947	1.108	0.594
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:20	475.600	5042.000	0.000	48130.000	47480.000	48840.000	84.018%	96.590
2	21:49:03	459.200	4999.000	0.000	48530.000	47890.000	49510.000	83.488%	97.820
3	21:49:46	458.100	5024.000	0.000	47690.000	47770.000	49980.000	82.201%	98.740
X		92.863%	100.433%	0.000	96.230%	95.426%	98.892%	83.236%	97.718%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.934%	n/a
%RSD		2.110	0.431	0.000	0.873	0.448	1.157	1.122	1.106
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:20	95.100	95.030	506.500	25560.000	25320.000	94.580	94.580	95.120
2	21:49:03	95.220	95.560	511.700	25530.000	25470.000	95.050	93.200	94.280
3	21:49:46	98.030	97.050	514.700	25600.000	25420.000	95.430	94.910	96.610
X		96.115%	95.880%	102.192%	102.266%	101.612%	95.019%	94.229%	95.334%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.724	1.092	0.818	0.135	0.287	0.446	0.963	1.236
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:20	95.190	99.140	99.120	97.730	101.300	100.300	0.000	95.360
2	21:49:03	95.000	99.800	101.000	97.990	102.000	103.600	0.000	96.670
3	21:49:46	96.330	102.100	102.900	99.130	104.800	105.000	0.000	97.370
X		95.507%	100.343%	101.025%	98.282%	102.676%	102.970%	0.000	96.466%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.755	1.544	1.888	0.757	1.790	2.317	0.000	1.054
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:20	80.204%	94.920	95.440	76.575%	96.140	96.520	98.800	99.730
2	21:49:03	81.596%	97.750	98.580	76.887%	96.520	96.900	100.500	100.700
3	21:49:46	81.917%	100.000	101.400	77.077%	98.150	98.380	101.400	101.900
X		81.239%	97.566%	98.491%	76.846%	96.937%	97.264%	100.235%	100.787%
σ		0.910%	n/a	n/a	0.254%	n/a	n/a	n/a	n/a
%RSD		1.121	2.619	3.051	0.330	1.098	1.009	1.311	1.089
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:48:20	77.608%	95.770	96.440	96.930	96.040	95.530	79.298%	82.185%
2	21:49:03	79.824%	97.560	97.930	97.160	96.250	96.360	82.286%	85.057%
3	21:49:46	80.146%	98.450	98.390	97.910	97.560	97.120	82.790%	85.950%
X		79.193%	97.260%	97.586%	97.333%	96.616%	96.334%	81.458%	84.397%
σ		1.382%	n/a	n/a	n/a	n/a	n/a	1.888%	1.967%
%RSD		1.745	1.403	1.045	0.529	0.851	0.825	2.317	2.331
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:48:20	95.950	95.330	96.240	95.780	95.860	77.783%		
2	21:49:03	97.070	96.950	97.030	96.970	97.000	79.933%		
3	21:49:46	97.420	97.420	98.160	97.650	97.510	80.835%		
X		96.814%	96.569%	97.144%	96.803%	96.789%	79.517%		
σ		n/a	n/a	n/a	n/a	n/a	1.568%		
%RSD		0.797	1.134	0.995	0.977	0.877	1.972		

CCB4 12/22/2012 9:55:36 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:56:19	91.333%	-0.006	0.560	0.501	0.000	1.129	2.351	2.699
2	21:57:02	90.814%	-0.009	0.504	0.460	0.000	1.105	2.624	2.776
3	21:57:45	87.736%	-0.008	0.383	0.388	0.000	1.517	2.624	2.848
X		89.961%	-0.008	0.482	0.450	0.000	1.250	2.533	2.774
σ		1.944%	0.002	0.090	0.057	0.000	0.232	0.158	0.075
%RSD		2.161	20.200	18.670	12.660	0.000	18.530	6.218	2.695
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:56:19	0.386	-2.758	0.000	-7.536	-3.151	1.133	103.481%	-0.066
2	21:57:02	0.416	-2.566	0.000	-7.639	1.465	1.315	102.244%	-0.016
3	21:57:45	0.439	-2.240	0.000	-6.765	1.352	2.256	99.665%	-0.047
X		0.414	-2.522	0.000	-7.313	-0.111	1.568	101.797%	-0.043
σ		0.027	0.262	0.000	0.477	2.633	0.603	1.947%	0.025
%RSD		6.444	10.390	0.000	6.528	2366.000	38.450	1.912	58.930
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:56:19	0.019	-0.011	0.357	3.951	10.930	-0.005	-0.024	-0.057
2	21:57:02	0.013	-0.006	0.346	1.412	8.744	0.001	-0.004	-0.051
3	21:57:45	0.025	0.013	0.321	2.914	7.599	-0.001	-0.034	-0.052
X		0.019	-0.002	0.341	2.759	9.090	-0.002	-0.021	-0.053
σ		0.006	0.013	0.019	1.276	1.692	0.003	0.015	0.003
%RSD		30.480	810.200	5.500	46.260	18.610	171.100	72.150	5.541
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:56:19	-0.053	-0.408	-0.579	-0.292	0.080	-0.782	0.000	0.015
2	21:57:02	-0.060	-0.484	-0.363	-0.225	0.057	-0.710	0.000	0.018
3	21:57:45	-0.066	-0.384	-0.406	-0.055	0.100	-0.188	0.000	0.015
X		-0.059	-0.425	-0.449	-0.191	0.079	-0.560	0.000	0.016
σ		0.007	0.052	0.115	0.122	0.021	0.325	0.000	0.002
%RSD		11.380	12.190	25.490	64.080	26.800	57.960	0.000	11.390
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:56:19	83.818%	0.257	0.237	88.724%	-0.006	-0.001	0.000	0.012
2	21:57:02	84.589%	0.208	0.217	88.527%	-0.002	-0.005	-0.012	-0.001
3	21:57:45	82.814%	0.165	0.182	87.088%	0.001	-0.002	-0.056	-0.049
X		83.740%	0.210	0.212	88.113%	-0.002	-0.003	-0.023	-0.013
σ		0.890%	0.046	0.028	0.893%	0.004	0.002	0.030	0.032
%RSD		1.063	21.860	13.130	1.014	146.800	67.370	131.300	250.500
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:56:19	87.207%	-0.366	-0.065	-0.065	-0.020	0.023	90.458%	91.765%
2	21:57:02	87.772%	-0.388	-0.060	-0.069	-0.023	0.024	91.724%	92.554%
3	21:57:45	87.097%	-0.410	-0.068	-0.049	-0.020	0.006	90.565%	91.568%
X		87.359%	-0.388	-0.064	-0.061	-0.021	0.018	90.916%	91.963%
σ		0.362%	0.022	0.004	0.011	0.002	0.010	0.702%	0.522%
%RSD		0.415	5.704	6.376	17.670	8.697	55.580	0.772	0.567
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:56:19	0.027	0.032	0.094	0.086	0.082	99.763%		
2	21:57:02	0.032	0.031	0.063	0.073	0.067	100.089%		
3	21:57:45	0.037	0.043	0.060	0.053	0.056	99.008%		
X		0.032	0.035	0.072	0.071	0.069	99.620%		
σ		0.005	0.007	0.019	0.017	0.013	0.555%		
%RSD		16.140	19.200	26.560	23.920	18.830	0.557		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:40	85.939%	0.951	3.270	3.465	0.000	44.310	2832.000	2956.000
2	22:01:23	85.155%	0.916	3.692	3.705	0.000	43.940	2762.000	2971.000
3	22:02:06	82.217%	0.995	3.683	3.556	0.000	45.750	2882.000	3036.000
X		84.437%	0.954	3.548	3.575	0.000	44.670	2825.000	2988.000
σ		1.962%	0.039	0.241	0.121	0.000	0.954	60.270	42.260
%RSD		2.324	4.139	6.798	3.385	0.000	2.137	2.133	1.414
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:40	15640.000	323.100	0.000	1246.000	2089.000	2064.000	93.346%	116.600
2	22:01:23	15820.000	327.900	0.000	1251.000	2056.000	2075.000	91.332%	118.500
3	22:02:06	16090.000	338.200	0.000	1271.000	2226.000	2085.000	89.649%	118.000
X		15850.000	329.700	0.000	1256.000	2124.000	2075.000	91.442%	117.700
σ		229.600	7.748	0.000	13.280	90.110	10.590	1.851%	0.953
%RSD		1.448	2.350	0.000	1.058	4.243	0.510	2.024	0.809
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:40	32.920	37.290	1228.000	46990.000	46030.000	15.040	33.760	24.310
2	22:01:23	33.610	38.150	1255.000	48110.000	46870.000	15.200	34.130	25.080
3	22:02:06	33.830	38.550	1257.000	48600.000	47430.000	15.500	34.220	24.630
X		33.450	37.990	1247.000	47900.000	46780.000	15.250	34.040	24.680
σ		0.478	0.644	16.230	825.900	703.600	0.238	0.245	0.387
%RSD		1.428	1.696	1.302	1.724	1.504	1.560	0.721	1.570
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:40	24.070	100.700	100.300	23.360	0.446	-0.788	0.000	12.520
2	22:01:23	25.070	102.300	104.000	23.830	0.322	-0.520	0.000	12.540
3	22:02:06	24.940	103.200	103.900	24.070	0.504	-0.208	0.000	12.590
X		24.690	102.100	102.700	23.750	0.424	-0.505	0.000	12.550
σ		0.547	1.277	2.065	0.360	0.093	0.290	0.000	0.035
%RSD		2.215	1.252	2.010	1.516	22.010	57.500	0.000	0.278
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:40	97.832%	2.058	2.157	87.729%	0.032	0.035	0.232	0.235
2	22:01:23	99.466%	2.061	2.224	88.668%	0.032	0.021	0.254	0.210
3	22:02:06	98.875%	2.180	2.153	88.565%	0.038	0.025	0.240	0.223
X		98.724%	2.100	2.178	88.321%	0.034	0.027	0.242	0.223
σ		0.828%	0.070	0.040	0.515%	0.003	0.007	0.011	0.012
%RSD		0.838	3.319	1.832	0.583	9.457	26.370	4.612	5.453
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:40	87.674%	1.180	0.199	0.196	105.400	106.000	91.189%	91.729%
2	22:01:23	89.438%	1.163	0.149	0.183	106.700	107.500	94.497%	94.515%
3	22:02:06	89.401%	1.175	0.131	0.163	107.500	108.000	93.398%	95.054%
X		88.838%	1.173	0.160	0.181	106.500	107.200	93.028%	93.766%
σ		1.008%	0.009	0.035	0.016	1.055	1.080	1.685%	1.784%
%RSD		1.135	0.759	22.010	9.087	0.990	1.008	1.811	1.903
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:00:40	0.277	0.284	25.560	24.690	25.040	89.618%		
2	22:01:23	0.276	0.281	25.920	25.460	25.560	91.853%		
3	22:02:06	0.288	0.287	26.270	25.950	25.900	91.867%		
X		0.280	0.284	25.920	25.370	25.500	91.113%		
σ		0.006	0.003	0.353	0.635	0.432	1.295%		
%RSD		2.298	0.962	1.361	2.505	1.693	1.421		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:04:59	77.133%	4.581	16.830	16.450	0.000	219.100	15070.000	15790.000
2	22:05:42	77.192%	4.535	16.160	16.180	0.000	219.800	15280.000	15850.000
3	22:06:25	74.818%	4.719	16.380	16.720	0.000	220.800	15250.000	16040.000
X		76.381%	4.612	16.460	16.450	0.000	219.900	15200.000	15890.000
σ		1.354%	0.096	0.343	0.266	0.000	0.832	112.700	131.000
%RSD		1.773	2.081	2.085	1.617	0.000	0.378	0.742	0.825
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:04:59	80700.000	1830.000	0.000	6335.000	10370.000	10090.000	85.081%	617.500
2	22:05:42	80660.000	1783.000	0.000	6226.000	10160.000	10070.000	82.824%	624.700
3	22:06:25	82950.000	1823.000	0.000	6367.000	10540.000	10260.000	80.071%	634.100
X		81430.000	1812.000	0.000	6309.000	10360.000	10140.000	82.659%	625.400
σ		1311.000	25.860	0.000	73.810	190.100	106.700	2.509%	8.329
%RSD		1.609	1.427	0.000	1.170	1.836	1.052	3.036	1.332
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:04:59	166.800	184.300	6006.000	218700.000	223600.000	77.340	170.400	121.100
2	22:05:42	169.700	189.900	6037.000	217700.000	222400.000	77.820	171.700	122.000
3	22:06:25	173.400	189.300	6118.000	221600.000	224800.000	78.210	171.100	122.100
X		170.000	187.800	6054.000	219300.000	223600.000	77.790	171.100	121.700
σ		3.335	3.072	58.020	2003.000	1189.000	0.438	0.665	0.559
%RSD		1.962	1.636	0.958	0.913	0.532	0.563	0.389	0.459
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:04:59	122.400	471.800	480.800	122.600	3.565	4.740	0.000	69.320
2	22:05:42	122.700	475.400	483.000	122.400	3.679	4.350	0.000	70.100
3	22:06:25	123.700	482.200	492.100	124.000	3.601	4.469	0.000	71.120
X		122.900	476.400	485.300	123.000	3.615	4.519	0.000	70.180
σ		0.679	5.287	5.997	0.852	0.058	0.200	0.000	0.905
%RSD		0.552	1.110	1.236	0.693	1.615	4.422	0.000	1.289
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:04:59	0.000	11.800	11.270	75.528%	0.226	0.208	1.301	1.200
2	22:05:42	0.000	11.400	11.740	74.389%	0.236	0.211	1.340	1.137
3	22:06:25	0.000	11.730	11.700	73.195%	0.223	0.206	1.328	1.205
X		0.000	11.640	11.570	74.370%	0.228	0.208	1.323	1.181
σ		0.000	0.215	0.263	1.167%	0.007	0.003	0.020	0.038
%RSD		0.000	1.848	2.274	1.569	2.925	1.330	1.508	3.184
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:04:59	77.468%	7.431	1.030	1.149	540.400	541.400	85.405%	85.406%
2	22:05:42	76.960%	7.456	1.160	1.162	548.900	546.700	85.496%	85.845%
3	22:06:25	75.876%	7.355	1.163	1.128	545.900	548.600	85.938%	85.356%
X		76.768%	7.414	1.118	1.146	545.100	545.600	85.613%	85.536%
σ		0.813%	0.052	0.076	0.017	4.292	3.707	0.285%	0.269%
%RSD		1.060	0.704	6.783	1.509	0.787	0.679	0.333	0.315
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:04:59	1.392	1.373	133.000	130.600	131.500	78.566%		
2	22:05:42	1.421	1.409	135.000	132.700	133.400	78.840%		
3	22:06:25	1.391	1.402	136.800	134.200	134.700	78.324%		
X		1.402	1.395	134.900	132.500	133.200	78.577%		
σ		0.017	0.019	1.857	1.832	1.620	0.258%		
%RSD		1.210	1.356	1.376	1.383	1.216	0.329		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:19	66.972%	94.120	79.280	79.980	0.000	8681.000	26230.000	27270.000
2	22:10:02	65.250%	95.440	80.440	81.350	0.000	8594.000	26510.000	27670.000
3	22:10:45	65.704%	92.790	80.060	79.090	0.000	8166.000	25120.000	26540.000
X		65.975%	94.110	79.930	80.140	0.000	8480.000	25950.000	27160.000
σ		0.893%	1.326	0.593	1.139	0.000	275.900	735.700	572.300
%RSD		1.353	1.409	0.741	1.422	0.000	3.253	2.835	2.107
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:19	115900.000	1404.000	0.000	17100.000	19770.000	20610.000	73.853%	908.700
2	22:10:02	117300.000	1422.000	0.000	17440.000	20420.000	20920.000	70.967%	935.800
3	22:10:45	112400.000	1113.000	0.000	16330.000	19300.000	20160.000	70.785%	911.200
X		115200.000	1313.000	0.000	16960.000	19830.000	20560.000	71.869%	918.600
σ		2534.000	173.300	0.000	566.300	561.000	379.600	1.721%	14.960
%RSD		2.200	13.200	0.000	3.340	2.829	1.846	2.395	1.629
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:19	295.200	315.300	6176.000	257300.000	262800.000	164.400	280.300	218.700
2	22:10:02	301.300	321.400	6332.000	261900.000	267300.000	166.800	285.400	219.100
3	22:10:45	290.800	312.200	6176.000	255600.000	260400.000	160.500	276.100	214.700
X		295.800	316.300	6228.000	258300.000	263500.000	163.900	280.600	217.500
σ		5.294	4.705	89.820	3272.000	3540.000	3.158	4.668	2.424
%RSD		1.790	1.487	1.442	1.267	1.343	1.927	1.664	1.114
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:19	218.600	748.300	756.400	235.000	92.310	95.430	0.000	175.900
2	22:10:02	222.000	760.100	776.800	239.000	95.560	96.590	0.000	179.700
3	22:10:45	214.700	742.800	753.400	232.300	93.230	96.210	0.000	175.300
X		218.400	750.400	762.200	235.400	93.700	96.080	0.000	177.000
σ		3.643	8.823	12.720	3.401	1.675	0.591	0.000	2.371
%RSD		1.668	1.176	1.669	1.445	1.788	0.615	0.000	1.340
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:19	0.000	86.400	86.790	67.387%	82.580	82.710	86.780	87.120
2	22:10:02	0.000	88.080	89.000	67.078%	83.380	83.430	88.960	88.490
3	22:10:45	0.000	87.220	87.550	67.725%	81.210	80.970	85.570	85.480
X		0.000	87.240	87.780	67.397%	82.390	82.370	87.100	87.030
σ		0.000	0.840	1.123	0.323%	1.097	1.264	1.717	1.505
%RSD		0.000	0.963	1.279	0.480	1.332	1.534	1.972	1.730
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:19	71.882%	75.930	24.420	24.420	637.100	640.300	75.525%	74.752%
2	22:10:02	71.909%	77.240	25.070	24.760	643.400	648.000	76.327%	76.089%
3	22:10:45	73.562%	74.310	24.260	24.010	623.700	624.000	78.618%	78.491%
X		72.451%	75.820	24.580	24.400	634.700	637.400	76.823%	76.444%
σ		0.962%	1.468	0.426	0.373	10.030	12.250	1.605%	1.895%
%RSD		1.328	1.936	1.733	1.529	1.580	1.923	2.089	2.478
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:09:19	79.220	79.030	216.900	218.900	217.100	71.469%		
2	22:10:02	82.050	82.210	222.900	224.800	222.700	71.798%		
3	22:10:45	79.310	79.570	215.900	218.200	215.900	73.775%		
X		80.200	80.270	218.600	220.600	218.600	72.347%		
σ		1.610	1.702	3.801	3.625	3.653	1.247%		
%RSD		2.008	2.120	1.739	1.643	1.672	1.724		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:39	72.741%	50.290	863.500	861.200	0.000	44430.000	55440.000	57360.000
2	22:14:22	70.906%	50.680	874.900	867.100	0.000	43480.000	55160.000	57260.000
3	22:15:05	71.442%	50.380	864.700	883.500	0.000	43960.000	55170.000	57790.000
X		71.696%	50.450	867.700	870.600	0.000	43960.000	55260.000	57470.000
σ		0.943%	0.203	6.244	11.530	0.000	475.100	162.900	280.200
%RSD		1.316	0.403	0.720	1.324	0.000	1.081	0.295	0.487
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:39	77340.000	10270.000	0.000	48670.000	52560.000	54010.000	82.144%	1418.000
2	22:14:22	78380.000	10300.000	0.000	47960.000	52390.000	53870.000	81.595%	1421.000
3	22:15:05	79100.000	10390.000	0.000	49240.000	54410.000	54620.000	81.141%	1456.000
X		78270.000	10320.000	0.000	48630.000	53120.000	54170.000	81.627%	1431.000
σ		882.000	61.270	0.000	640.100	1119.000	403.000	0.502%	20.910
%RSD		1.127	0.594	0.000	1.316	2.107	0.744	0.615	1.461
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:39	651.700	368.200	6475.000	225700.000	228100.000	550.100	612.600	341.800
2	22:14:22	652.400	367.300	6478.000	223000.000	227900.000	550.600	615.400	338.700
3	22:15:05	661.800	371.700	6621.000	227300.000	233600.000	565.400	627.400	349.600
X		655.300	369.100	6525.000	225300.000	229800.000	555.400	618.500	343.400
σ		5.632	2.360	83.110	2172.000	3224.000	8.660	7.864	5.621
%RSD		0.859	0.639	1.274	0.964	1.403	1.559	1.272	1.637
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:39	346.500	906.100	922.800	154.000	13.380	15.590	0.000	1098.000
2	22:14:22	343.500	905.900	922.300	152.300	13.180	14.900	0.000	1102.000
3	22:15:05	349.200	925.400	945.200	156.300	12.770	15.670	0.000	1129.000
X		346.400	912.500	930.100	154.200	13.110	15.380	0.000	1109.000
σ		2.889	11.220	13.080	2.013	0.313	0.421	0.000	16.750
%RSD		0.834	1.229	1.406	1.306	2.387	2.736	0.000	1.510
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:39	0.000	979.400	978.700	67.716%	47.790	47.220	47.160	41.290
2	22:14:22	0.000	982.400	985.100	69.209%	47.670	47.400	46.640	41.820
3	22:15:05	0.000	1004.000	1010.000	69.512%	48.490	47.900	48.360	41.160
X		0.000	988.700	991.100	68.812%	47.990	47.510	47.390	41.420
σ		0.000	13.630	16.280	0.962%	0.441	0.351	0.880	0.348
%RSD		0.000	1.379	1.643	1.397	0.919	0.738	1.858	0.839
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:39	73.295%	1870.000	418.200	417.200	2304.000	2306.000	81.485%	81.046%
2	22:14:22	75.668%	1858.000	417.600	417.100	2305.000	2303.000	84.669%	84.440%
3	22:15:05	76.141%	1892.000	427.100	424.100	2333.000	2327.000	85.710%	85.102%
X		75.035%	1873.000	421.000	419.500	2314.000	2312.000	83.955%	83.529%
σ		1.525%	17.460	5.293	4.015	16.670	13.160	2.201%	2.176%
%RSD		2.032	0.932	1.257	0.957	0.721	0.569	2.622	2.605
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:13:39	50.080	50.010	152.200	149.600	150.800	69.427%		
2	22:14:22	49.550	49.840	150.100	147.700	148.700	72.636%		
3	22:15:05	49.920	49.930	151.000	149.500	150.100	73.993%		
X		49.850	49.930	151.100	149.000	149.900	72.019%		
σ		0.270	0.085	1.052	1.105	1.029	2.345%		
%RSD		0.542	0.170	0.696	0.742	0.686	3.256		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:56	82.777%	5.066	31.510	31.960	0.000	451.200	21260.000	22270.000
2	22:21:39	84.162%	5.235	30.950	31.130	0.000	449.500	20850.000	22060.000
3	22:22:22	81.835%	5.220	31.320	31.720	0.000	456.700	21480.000	22650.000
X		82.925%	5.174	31.260	31.600	0.000	452.500	21190.000	22330.000
σ		1.171%	0.094	0.287	0.427	0.000	3.766	318.700	295.100
%RSD		1.412	1.812	0.919	1.352	0.000	0.832	1.504	1.322
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:56	85400.000	2705.000	0.000	8222.000	41810.000	43070.000	89.856%	644.800
2	22:21:39	84320.000	2634.000	0.000	7991.000	41660.000	43030.000	90.240%	649.000
3	22:22:22	86580.000	2708.000	0.000	8290.000	42310.000	44010.000	88.450%	653.900
X		85430.000	2682.000	0.000	8167.000	41930.000	43370.000	89.515%	649.200
σ		1132.000	42.040	0.000	156.800	340.900	552.500	0.943%	4.563
%RSD		1.325	1.568	0.000	1.920	0.813	1.274	1.053	0.703
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:56	164.500	173.900	4017.000	222700.000	228700.000	83.000	173.200	129.900
2	22:21:39	167.000	175.700	4060.000	223800.000	229100.000	83.000	172.300	128.500
3	22:22:22	171.500	176.500	4130.000	228600.000	234000.000	85.010	176.200	131.600
X		167.700	175.400	4069.000	225000.000	230600.000	83.670	173.900	130.000
σ		3.536	1.327	57.330	3137.000	2945.000	1.161	2.038	1.555
%RSD		2.109	0.757	1.409	1.394	1.277	1.388	1.172	1.196
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:56	129.700	404.600	411.700	113.200	3.680	5.771	0.000	168.400
2	22:21:39	130.900	408.300	414.200	114.800	3.865	5.456	0.000	170.700
3	22:22:22	131.700	414.800	425.700	116.700	3.891	5.782	0.000	174.400
X		130.800	409.200	417.200	114.900	3.812	5.670	0.000	171.200
σ		1.047	5.130	7.482	1.719	0.115	0.185	0.000	3.073
%RSD		0.800	1.254	1.793	1.496	3.024	3.260	0.000	1.796
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:56	0.000	13.230	13.300	76.920%	0.270	0.195	1.358	1.132
2	22:21:39	0.000	12.630	12.750	77.872%	0.257	0.184	1.292	1.073
3	22:22:22	0.000	12.650	12.780	77.558%	0.280	0.215	1.467	1.182
X		0.000	12.840	12.940	77.450%	0.269	0.198	1.373	1.129
σ		0.000	0.343	0.306	0.485%	0.012	0.015	0.088	0.054
%RSD		0.000	2.671	2.362	0.627	4.408	7.760	6.443	4.792
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:56	77.423%	11.130	1.153	1.210	514.800	517.500	82.961%	82.570%
2	22:21:39	79.523%	9.397	1.011	1.047	519.000	519.600	85.475%	85.219%
3	22:22:22	79.653%	8.905	0.941	0.976	524.700	522.000	86.225%	86.013%
X		78.866%	9.810	1.035	1.078	519.500	519.700	84.887%	84.601%
σ		1.252%	1.167	0.108	0.120	4.988	2.213	1.710%	1.803%
%RSD		1.588	11.900	10.450	11.140	0.960	0.426	2.014	2.131
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:20:56	1.408	1.411	133.400	131.500	131.700	75.509%		
2	22:21:39	1.368	1.350	134.600	133.800	133.900	76.978%		
3	22:22:22	1.382	1.386	137.500	135.100	136.100	77.330%		
X		1.386	1.382	135.100	133.400	133.900	76.606%		
σ		0.021	0.030	2.091	1.825	2.204	0.966%		
%RSD		1.485	2.201	1.547	1.368	1.646	1.260		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:15	81.734%	4.057	18.230	18.220	0.000	238.100	16710.000	17610.000
2	22:25:58	75.851%	4.001	17.880	17.470	0.000	231.900	16290.000	17500.000
3	22:26:41	74.122%	4.087	17.440	17.650	0.000	227.900	16660.000	17600.000
X		77.236%	4.048	17.850	17.780	0.000	232.600	16550.000	17570.000
σ		3.991%	0.044	0.398	0.393	0.000	5.156	230.500	61.420
%RSD		5.167	1.082	2.228	2.209	0.000	2.217	1.393	0.350
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:15	63960.000	1560.000	0.000	6848.000	9833.000	9552.000	84.196%	479.400
2	22:25:58	63610.000	1517.000	0.000	6636.000	9824.000	9657.000	77.918%	475.000
3	22:26:41	62990.000	1506.000	0.000	6698.000	9857.000	9701.000	76.769%	474.900
X		63520.000	1528.000	0.000	6727.000	9838.000	9637.000	79.627%	476.400
σ		491.400	28.320	0.000	108.700	16.800	76.510	3.998%	2.567
%RSD		0.774	1.854	0.000	1.616	0.171	0.794	5.021	0.539
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:15	126.800	145.600	5074.000	231700.000	238100.000	77.020	194.400	170.600
2	22:25:58	122.300	144.400	5152.000	236100.000	240300.000	77.980	196.700	172.600
3	22:26:41	123.400	145.600	5050.000	232700.000	237800.000	77.080	194.600	171.400
X		124.200	145.200	5092.000	233500.000	238700.000	77.360	195.200	171.500
σ		2.352	0.678	53.600	2289.000	1342.000	0.536	1.262	0.970
%RSD		1.894	0.467	1.053	0.980	0.562	0.693	0.646	0.565
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:15	171.900	543.300	552.300	153.800	2.703	5.032	0.000	60.100
2	22:25:58	173.700	552.700	562.900	157.100	2.691	4.894	0.000	61.050
3	22:26:41	173.000	550.200	558.100	154.600	2.303	4.021	0.000	60.990
X		172.900	548.700	557.700	155.200	2.566	4.649	0.000	60.710
σ		0.898	4.854	5.329	1.691	0.228	0.548	0.000	0.530
%RSD		0.519	0.884	0.956	1.090	8.867	11.790	0.000	0.873
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:15	0.000	11.670	11.500	74.810%	0.225	0.161	1.486	1.329
2	22:25:58	0.000	11.910	11.740	71.654%	0.231	0.170	1.594	1.429
3	22:26:41	0.000	11.600	11.660	71.499%	0.203	0.169	1.492	1.336
X		0.000	11.730	11.630	72.654%	0.219	0.166	1.524	1.365
σ		0.000	0.162	0.126	1.869%	0.015	0.005	0.061	0.056
%RSD		0.000	1.382	1.083	2.572	6.745	3.030	3.975	4.100
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:15	75.694%	7.177	1.138	1.173	445.400	446.200	84.498%	83.811%
2	22:25:58	74.046%	7.029	1.212	1.169	444.200	443.800	83.779%	83.501%
3	22:26:41	73.711%	7.219	1.164	1.183	442.700	442.800	84.642%	84.214%
X		74.484%	7.141	1.171	1.175	444.100	444.300	84.306%	83.842%
σ		1.061%	0.100	0.038	0.007	1.360	1.774	0.463%	0.357%
%RSD		1.425	1.400	3.222	0.604	0.306	0.399	0.549	0.426
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:25:15	1.246	1.244	125.000	123.700	124.200	74.795%		
2	22:25:58	1.261	1.254	123.100	122.400	122.500	76.398%		
3	22:26:41	1.222	1.273	124.200	123.100	123.400	76.412%		
X		1.243	1.257	124.100	123.100	123.400	75.868%		
σ		0.020	0.014	0.938	0.620	0.850	0.929%		
%RSD		1.569	1.146	0.756	0.503	0.689	1.225		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:33	77.356%	4.022	21.460	20.920	0.000	280.200	18900.000	19520.000
2	22:30:16	77.404%	3.776	20.460	20.450	0.000	277.200	18850.000	19670.000
3	22:30:59	75.489%	3.729	20.800	20.980	0.000	284.600	19010.000	20000.000
X		76.749%	3.842	20.910	20.780	0.000	280.700	18920.000	19730.000
σ		1.092%	0.157	0.512	0.290	0.000	3.704	79.400	247.000
%RSD		1.423	4.093	2.449	1.394	0.000	1.320	0.420	1.252
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:33	72050.000	1848.000	0.000	6883.000	12090.000	11850.000	80.801%	579.200
2	22:30:16	71570.000	1835.000	0.000	6775.000	12360.000	12060.000	78.329%	574.600
3	22:30:59	73310.000	1872.000	0.000	6878.000	12410.000	12120.000	76.715%	586.800
X		72310.000	1852.000	0.000	6845.000	12290.000	12010.000	78.615%	580.200
σ		896.700	18.520	0.000	60.730	176.200	140.900	2.058%	6.187
%RSD		1.240	1.000	0.000	0.887	1.434	1.173	2.617	1.066
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:33	148.000	188.600	3217.000	222300.000	226700.000	75.960	205.900	180.000
2	22:30:16	145.000	191.500	3302.000	227100.000	231800.000	77.720	208.800	183.400
3	22:30:59	148.200	191.700	3363.000	230800.000	236600.000	78.810	209.900	185.500
X		147.100	190.600	3294.000	226700.000	231700.000	77.500	208.200	183.000
σ		1.786	1.721	73.120	4262.000	4945.000	1.436	2.075	2.814
%RSD		1.215	0.902	2.220	1.880	2.134	1.853	0.997	1.538
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:33	180.900	539.600	546.400	129.500	2.083	3.976	0.000	65.210
2	22:30:16	183.600	547.200	557.400	131.100	2.238	4.258	0.000	66.400
3	22:30:59	187.700	562.100	572.600	133.100	1.930	4.571	0.000	67.040
X		184.100	549.700	558.800	131.300	2.084	4.268	0.000	66.220
σ		3.419	11.410	13.140	1.806	0.154	0.297	0.000	0.927
%RSD		1.857	2.076	2.352	1.376	7.386	6.967	0.000	1.400
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:33	0.000	11.540	11.250	70.352%	0.203	0.118	1.914	1.414
2	22:30:16	0.000	11.660	11.530	70.354%	0.206	0.111	1.878	1.519
3	22:30:59	0.000	11.780	11.710	69.739%	0.216	0.113	1.744	1.363
X		0.000	11.660	11.490	70.149%	0.208	0.114	1.845	1.432
σ		0.000	0.124	0.232	0.355%	0.007	0.004	0.089	0.079
%RSD		0.000	1.062	2.018	0.505	3.291	3.570	4.839	5.550
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:33	71.377%	6.982	0.987	0.950	444.200	443.300	79.973%	79.647%
2	22:30:16	71.802%	7.237	1.065	1.005	451.900	449.300	80.976%	81.076%
3	22:30:59	71.704%	7.099	0.993	0.979	454.300	450.600	81.548%	80.983%
X		71.627%	7.106	1.015	0.978	450.100	447.700	80.832%	80.569%
σ		0.222%	0.128	0.044	0.028	5.298	3.906	0.797%	0.800%
%RSD		0.311	1.803	4.307	2.825	1.177	0.872	0.986	0.993
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:29:33	1.377	1.419	117.000	115.600	115.700	71.531%		
2	22:30:16	1.382	1.401	118.600	117.600	117.700	72.906%		
3	22:30:59	1.410	1.434	119.500	117.600	118.300	73.300%		
X		1.389	1.418	118.400	116.900	117.200	72.579%		
σ		0.018	0.017	1.263	1.121	1.355	0.929%		
%RSD		1.288	1.171	1.067	0.959	1.156	1.280		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:51	73.904%	5.279	18.060	18.110	0.000	276.100	22140.000	23090.000
2	22:34:34	72.988%	5.381	17.230	18.510	0.000	281.100	22180.000	23250.000
3	22:35:17	73.305%	5.469	18.950	18.660	0.000	275.600	21830.000	22960.000
X		73.399%	5.376	18.080	18.430	0.000	277.600	22050.000	23100.000
σ		0.465%	0.095	0.861	0.285	0.000	3.028	190.200	148.000
%RSD		0.634	1.769	4.761	1.545	0.000	1.091	0.862	0.641
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:51	86050.000	1803.000	0.000	8452.000	9694.000	9576.000	78.923%	645.900
2	22:34:34	86350.000	1805.000	0.000	8531.000	9957.000	9692.000	77.162%	647.600
3	22:35:17	85290.000	1795.000	0.000	8446.000	9884.000	9647.000	76.497%	663.600
X		85890.000	1801.000	0.000	8476.000	9845.000	9638.000	77.527%	652.400
σ		546.200	5.473	0.000	47.710	135.500	58.680	1.254%	9.754
%RSD		0.636	0.304	0.000	0.563	1.377	0.609	1.617	1.495
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:51	182.600	215.500	6092.000	281000.000	290700.000	115.200	249.800	196.200
2	22:34:34	181.800	220.100	6127.000	281500.000	290400.000	116.700	253.600	197.300
3	22:35:17	187.500	222.000	6251.000	286500.000	294200.000	116.700	255.400	197.300
X		184.000	219.200	6157.000	283000.000	291800.000	116.200	252.900	197.000
σ		3.062	3.336	83.320	3053.000	2135.000	0.850	2.834	0.645
%RSD		1.665	1.522	1.353	1.079	0.732	0.731	1.121	0.327
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:51	197.800	665.900	680.300	172.500	3.203	5.523	0.000	68.580
2	22:34:34	197.200	672.300	682.100	171.300	3.036	5.821	0.000	69.120
3	22:35:17	202.100	673.600	690.700	173.600	3.150	5.625	0.000	70.220
X		199.000	670.600	684.400	172.500	3.130	5.656	0.000	69.310
σ		2.700	4.134	5.602	1.122	0.086	0.151	0.000	0.832
%RSD		1.357	0.617	0.819	0.651	2.733	2.670	0.000	1.200
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:51	0.000	14.100	13.680	68.531%	0.295	0.206	2.139	1.806
2	22:34:34	0.000	13.980	13.930	69.097%	0.296	0.227	2.123	1.837
3	22:35:17	0.000	14.150	14.070	68.564%	0.305	0.197	1.975	1.614
X		0.000	14.080	13.890	68.731%	0.298	0.210	2.079	1.752
σ		0.000	0.084	0.199	0.318%	0.006	0.015	0.091	0.121
%RSD		0.000	0.597	1.436	0.462	1.880	7.267	4.370	6.904
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:51	70.048%	6.716	1.325	1.362	507.300	503.400	79.074%	78.133%
2	22:34:34	71.294%	6.788	1.278	1.214	509.900	505.900	80.798%	80.207%
3	22:35:17	71.156%	6.736	1.282	1.257	508.800	509.500	81.316%	80.771%
X		70.833%	6.747	1.295	1.278	508.600	506.300	80.396%	79.704%
σ		0.683%	0.037	0.026	0.076	1.298	3.041	1.174%	1.389%
%RSD		0.965	0.550	1.993	5.966	0.255	0.601	1.460	1.743
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:33:51	1.718	1.732	175.200	172.600	173.600	71.194%		
2	22:34:34	1.800	1.749	178.400	176.200	176.200	72.252%		
3	22:35:17	1.761	1.767	178.300	175.500	176.400	72.578%		
X		1.759	1.750	177.300	174.800	175.400	72.008%		
σ		0.041	0.018	1.855	1.889	1.576	0.724%		
%RSD		2.337	1.002	1.046	1.081	0.898	1.005		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:38:08	76.278%	5.365	13.450	13.720	0.000	194.600	14550.000	15300.000
2	22:38:51	73.401%	5.332	14.150	13.650	0.000	195.000	14470.000	15190.000
3	22:39:34	72.396%	5.608	13.630	13.650	0.000	197.800	14620.000	15510.000
X		74.025%	5.435	13.740	13.680	0.000	195.800	14550.000	15330.000
σ		2.015%	0.151	0.362	0.041	0.000	1.734	72.130	161.900
%RSD		2.722	2.778	2.638	0.300	0.000	0.886	0.496	1.056
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:38:08	82910.000	1395.000	0.000	6488.000	11520.000	11290.000	78.647%	423.600
2	22:38:51	83280.000	1396.000	0.000	6362.000	11360.000	11210.000	76.784%	421.600
3	22:39:34	83620.000	1396.000	0.000	6454.000	11670.000	11420.000	74.063%	434.000
X		83270.000	1396.000	0.000	6434.000	11520.000	11310.000	76.498%	426.400
σ		352.600	0.922	0.000	65.140	151.100	107.600	2.305%	6.622
%RSD		0.423	0.066	0.000	1.012	1.312	0.951	3.014	1.553
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:38:08	161.800	182.800	10530.000	227400.000	231800.000	97.890	204.700	128.500
2	22:38:51	161.300	179.800	10510.000	228200.000	232800.000	97.830	203.800	128.600
3	22:39:34	167.200	186.800	11100.000	237400.000	242300.000	101.800	211.800	133.800
X		163.400	183.100	10710.000	231000.000	235600.000	99.160	206.700	130.300
σ		3.249	3.512	335.000	5583.000	5771.000	2.252	4.373	3.050
%RSD		1.988	1.918	3.128	2.417	2.449	2.271	2.115	2.341
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:38:08	128.800	502.100	510.800	182.600	3.455	5.129	0.000	78.120
2	22:38:51	130.600	508.900	513.500	180.200	3.702	5.473	0.000	78.200
3	22:39:34	132.900	525.600	535.200	187.900	3.310	5.243	0.000	80.450
X		130.800	512.200	519.800	183.500	3.489	5.282	0.000	78.920
σ		2.040	12.100	13.390	3.948	0.198	0.175	0.000	1.321
%RSD		1.560	2.362	2.576	2.151	5.678	3.314	0.000	1.674
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:38:08	0.000	13.390	13.480	69.381%	0.438	0.407	1.781	1.625
2	22:38:51	0.000	13.910	13.510	69.197%	0.420	0.401	1.852	1.534
3	22:39:34	0.000	14.150	13.740	68.853%	0.402	0.412	1.892	1.695
X		0.000	13.820	13.570	69.144%	0.420	0.407	1.842	1.618
σ		0.000	0.387	0.140	0.268%	0.018	0.006	0.056	0.081
%RSD		0.000	2.800	1.032	0.388	4.242	1.448	3.062	4.995
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:38:08	70.367%	7.124	3.380	3.352	711.600	708.600	78.196%	78.542%
2	22:38:51	70.958%	7.318	3.368	3.445	705.800	707.400	79.748%	80.309%
3	22:39:34	71.199%	7.359	3.370	3.396	719.200	718.800	80.038%	80.148%
X		70.841%	7.267	3.373	3.397	712.200	711.600	79.327%	79.667%
σ		0.428%	0.126	0.007	0.046	6.720	6.266	0.990%	0.977%
%RSD		0.604	1.726	0.195	1.364	0.944	0.880	1.248	1.226
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:38:08	1.357	1.357	190.600	188.300	188.500	71.620%		
2	22:38:51	1.332	1.368	187.000	185.200	185.400	74.600%		
3	22:39:34	1.406	1.388	192.900	190.500	191.300	73.653%		
X		1.365	1.371	190.100	188.000	188.400	73.291%		
σ		0.037	0.016	2.956	2.642	2.925	1.523%		
%RSD		2.744	1.146	1.555	1.405	1.552	2.078		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:42:27	72.415%	4.457	13.790	14.350	0.000	223.400	20010.000	20790.000
2	22:43:10	73.337%	4.438	13.780	13.760	0.000	221.800	19710.000	20570.000
3	22:43:53	70.402%	4.655	14.060	14.560	0.000	226.100	20290.000	21190.000
x		72.051%	4.517	13.880	14.220	0.000	223.800	20000.000	20850.000
σ		1.501%	0.120	0.159	0.412	0.000	2.127	292.200	313.000
%RSD		2.084	2.662	1.147	2.895	0.000	0.950	1.460	1.501
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:42:27	79160.000	1365.000	0.000	7491.000	8401.000	8170.000	75.880%	604.300
2	22:43:10	78820.000	1345.000	0.000	7561.000	8490.000	8293.000	74.568%	596.700
3	22:43:53	80510.000	1382.000	0.000	7643.000	8521.000	8382.000	73.852%	613.900
x		79500.000	1364.000	0.000	7565.000	8471.000	8281.000	74.767%	604.900
σ		893.100	18.600	0.000	75.650	62.610	106.500	1.029%	8.626
%RSD		1.123	1.364	0.000	1.000	0.739	1.286	1.376	1.426
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:42:27	167.900	157.400	4972.000	258800.000	265000.000	100.300	200.700	188.400
2	22:43:10	166.900	159.100	5018.000	263600.000	270300.000	101.900	201.800	191.400
3	22:43:53	167.700	159.500	5092.000	265800.000	272500.000	102.500	201.800	190.200
x		167.500	158.700	5027.000	262700.000	269300.000	101.600	201.500	190.000
σ		0.517	1.150	60.920	3585.000	3841.000	1.128	0.659	1.533
%RSD		0.309	0.725	1.212	1.364	1.426	1.111	0.327	0.807
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:42:27	190.200	594.000	599.500	172.800	4.149	6.477	0.000	59.220
2	22:43:10	190.100	603.500	612.100	174.600	4.710	7.514	0.000	60.850
3	22:43:53	192.900	606.400	617.200	175.100	4.553	6.078	0.000	61.630
x		191.100	601.300	609.600	174.200	4.471	6.690	0.000	60.570
σ		1.610	6.524	9.124	1.205	0.289	0.741	0.000	1.231
%RSD		0.843	1.085	1.497	0.692	6.469	11.080	0.000	2.033
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:42:27	0.000	11.610	11.810	68.439%	0.163	0.112	1.806	1.491
2	22:43:10	0.000	11.890	12.160	67.920%	0.183	0.114	1.553	1.278
3	22:43:53	0.000	11.860	12.150	68.102%	0.170	0.142	1.697	1.366
x		0.000	11.790	12.040	68.154%	0.172	0.123	1.685	1.378
σ		0.000	0.151	0.198	0.263%	0.010	0.017	0.127	0.107
%RSD		0.000	1.284	1.641	0.386	5.900	13.790	7.518	7.743
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:42:27	69.021%	5.647	1.168	1.187	483.000	482.900	78.001%	76.873%
2	22:43:10	70.170%	5.709	1.185	1.198	485.600	482.300	79.441%	78.673%
3	22:43:53	70.144%	5.817	1.178	1.231	488.000	488.600	80.034%	79.263%
x		69.778%	5.724	1.177	1.205	485.600	484.600	79.159%	78.270%
σ		0.656%	0.086	0.009	0.023	2.515	3.486	1.045%	1.245%
%RSD		0.940	1.502	0.727	1.909	0.518	0.719	1.321	1.591
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:42:27	1.264	1.275	148.000	146.500	147.200	71.034%		
2	22:43:10	1.283	1.315	151.600	149.600	149.600	72.297%		
3	22:43:53	1.341	1.312	151.700	149.500	150.400	73.069%		
x		1.296	1.301	150.500	148.500	149.100	72.133%		
σ		0.040	0.022	2.107	1.756	1.677	1.028%		
%RSD		3.081	1.711	1.401	1.182	1.125	1.424		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:38	71.854%	99.350	92.300	95.680	0.000	48220.000	45500.000	46120.000
2	22:50:21	72.219%	99.890	94.470	93.830	0.000	47520.000	45170.000	46510.000
3	22:51:04	70.426%	99.840	94.520	94.040	0.000	46780.000	44200.000	45480.000
x		71.500%	99.695%	93.767%	94.518%	0.000	95.014%	89.914%	92.066%
σ		0.948%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.325	0.302	1.352	1.070	0.000	1.523	1.505	1.131
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:38	465.500	4959.000	0.000	47820.000	47570.000	49090.000	77.021%	98.770
2	22:50:21	468.600	4973.000	0.000	48960.000	48290.000	50550.000	75.129%	98.830
3	22:51:04	459.500	4881.000	0.000	46560.000	47360.000	49200.000	76.595%	96.500
x		92.904%	98.750%	0.000	95.561%	95.482%	99.228%	76.248%	98.030%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.992%	n/a
%RSD		0.994	1.003	0.000	2.506	1.029	1.634	1.302	1.356
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:38	96.120	95.980	512.200	25640.000	25370.000	95.240	93.260	94.050
2	22:50:21	97.430	97.360	523.400	26290.000	25780.000	96.070	95.430	96.020
3	22:51:04	94.420	94.620	508.900	25180.000	24830.000	92.930	93.540	94.240
x		95.986%	95.989%	102.961%	102.809%	101.302%	94.744%	94.077%	94.768%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.571	1.428	1.474	2.164	1.884	1.719	1.255	1.148
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:38	94.610	99.320	100.200	96.610	100.300	99.890	0.000	94.890
2	22:50:21	95.690	101.700	101.500	96.960	102.100	103.400	0.000	96.280
3	22:51:04	92.690	98.890	99.710	95.070	99.650	100.500	0.000	93.420
x		94.328%	99.962%	100.464%	96.214%	100.670%	101.247%	0.000	94.865%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.613	1.503	0.906	1.042	1.231	1.835	0.000	1.506
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:38	74.202%	94.290	94.570	69.975%	95.480	96.240	99.270	100.200
2	22:50:21	76.109%	98.050	98.320	71.537%	96.570	97.180	99.620	101.600
3	22:51:04	77.470%	96.570	97.260	72.108%	94.400	94.890	97.650	99.070
x		75.927%	96.302%	96.717%	71.207%	95.482%	96.104%	98.844%	100.300%
σ		1.642%	n/a	n/a	1.104%	n/a	n/a	n/a	n/a
%RSD		2.162	1.966	1.999	1.551	1.137	1.201	1.064	1.269
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:38	70.402%	96.580	97.020	96.180	93.820	94.870	73.959%	75.161%
2	22:50:21	72.925%	96.430	96.720	96.720	95.120	94.560	77.448%	78.434%
3	22:51:04	74.225%	95.700	95.790	95.940	94.030	92.950	79.617%	81.023%
x		72.518%	96.239%	96.509%	96.278%	94.322%	94.126%	77.008%	78.206%
σ		1.944%	n/a	n/a	n/a	n/a	n/a	2.855%	2.938%
%RSD		2.680	0.488	0.662	0.414	0.740	1.095	3.707	3.757
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:49:38	94.160	94.160	94.740	94.230	94.210	72.660%		
2	22:50:21	95.600	95.710	96.540	96.070	95.690	75.263%		
3	22:51:04	93.660	93.850	94.270	94.740	94.380	77.203%		
x		94.472%	94.572%	95.185%	95.012%	94.758%	75.042%		
σ		n/a	n/a	n/a	n/a	n/a	2.280%		
%RSD		1.066	1.051	1.261	1.004	0.852	3.038		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:57:38	89.189%	-0.008	0.794	0.698	0.000	1.566	2.708	3.048
2	22:58:21	85.116%	-0.010	0.563	0.758	0.000	1.487	2.570	3.091
3	22:59:04	86.421%	-0.011	0.620	0.653	0.000	1.508	2.835	2.820
x		86.909%	-0.009	0.659	0.703	0.000	1.520	2.704	2.986
σ		2.080%	0.002	0.121	0.053	0.000	0.041	0.133	0.146
%RSD		2.393	17.430	18.350	7.473	0.000	2.708	4.902	4.883
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:57:38	0.591	-2.742	0.000	-7.806	-3.024	2.301	97.157%	0.004
2	22:58:21	0.528	-2.295	0.000	-7.856	-2.856	3.766	92.785%	-0.020
3	22:59:04	0.471	-2.477	0.000	-8.098	6.942	4.313	93.399%	-0.031
x		0.530	-2.505	0.000	-7.920	0.354	3.460	94.447%	-0.015
σ		0.060	0.225	0.000	0.156	5.706	1.040	2.367%	0.018
%RSD		11.350	8.969	0.000	1.971	1612.000	30.070	2.506	116.900
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:57:38	0.005	0.002	0.353	5.427	13.430	-0.001	-0.014	-0.038
2	22:58:21	0.028	-0.006	0.334	1.932	10.940	-0.005	-0.018	-0.034
3	22:59:04	0.030	-0.001	0.323	-1.366	7.111	-0.002	-0.035	-0.047
x		0.021	-0.002	0.337	1.998	10.490	-0.003	-0.022	-0.040
σ		0.014	0.004	0.015	3.397	3.181	0.002	0.012	0.006
%RSD		64.970	206.500	4.487	170.000	30.320	77.950	51.930	16.180
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:57:38	-0.073	-0.402	-0.292	-0.149	-0.024	-0.736	0.000	0.018
2	22:58:21	-0.056	-0.357	-0.233	-0.149	-0.191	-0.781	0.000	0.014
3	22:59:04	-0.048	-0.291	-0.333	-0.262	-0.044	-1.296	0.000	0.017
x		-0.059	-0.350	-0.286	-0.187	-0.086	-0.938	0.000	0.016
σ		0.013	0.056	0.051	0.065	0.091	0.311	0.000	0.002
%RSD		21.500	15.920	17.690	34.710	106.000	33.200	0.000	12.070
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:57:38	77.910%	0.272	0.257	87.415%	-0.007	-0.005	0.024	0.017
2	22:58:21	78.260%	0.237	0.237	87.870%	0.002	-0.005	-0.042	-0.033
3	22:59:04	78.853%	0.187	0.181	88.213%	-0.002	-0.004	-0.027	-0.018
x		78.341%	0.232	0.225	87.832%	-0.002	-0.005	-0.015	-0.011
σ		0.477%	0.043	0.039	0.400%	0.005	0.001	0.035	0.026
%RSD		0.609	18.360	17.470	0.456	223.300	14.500	230.800	227.500
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:57:38	84.476%	-0.347	-0.060	-0.046	0.003	0.008	83.315%	84.074%
2	22:58:21	85.198%	-0.410	-0.060	-0.049	-0.010	0.018	85.041%	85.789%
3	22:59:04	84.624%	-0.469	-0.066	-0.058	0.015	0.018	85.364%	86.106%
x		84.766%	-0.409	-0.062	-0.051	0.003	0.015	84.574%	85.323%
σ		0.382%	0.061	0.003	0.006	0.012	0.006	1.102%	1.093%
%RSD		0.450	15.000	5.154	12.390	446.100	39.430	1.303	1.281
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:57:38	0.011	0.016	0.084	0.080	0.084	92.085%		
2	22:58:21	0.007	0.017	0.082	0.072	0.073	94.074%		
3	22:59:04	0.013	0.012	0.068	0.074	0.067	93.718%		
x		0.011	0.015	0.078	0.076	0.075	93.292%		
σ		0.003	0.003	0.009	0.004	0.008	1.061%		
%RSD		26.870	18.490	11.280	5.821	11.300	1.137		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:01:59	79.006%	5.523	20.960	22.440	0.000	306.700	15630.000	16230.000
2	23:02:42	75.302%	5.601	22.570	23.320	0.000	315.500	15870.000	16740.000
3	23:03:25	73.871%	5.533	23.400	23.480	0.000	314.600	15640.000	16380.000
X		76.060%	5.552	22.310	23.080	0.000	312.300	15710.000	16450.000
σ		2.650%	0.042	1.240	0.565	0.000	4.814	134.400	258.400
%RSD		3.484	0.764	5.559	2.446	0.000	1.542	0.855	1.571
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:01:59	68740.000	2113.000	0.000	5813.000	17960.000	18760.000	83.649%	533.400
2	23:02:42	71820.000	2139.000	0.000	5978.000	18800.000	19420.000	75.882%	554.100
3	23:03:25	71090.000	2125.000	0.000	5919.000	18480.000	19130.000	74.972%	549.100
X		70550.000	2126.000	0.000	5903.000	18410.000	19100.000	78.168%	545.500
σ		1609.000	12.990	0.000	83.750	422.400	328.100	4.769%	10.770
%RSD		2.280	0.611	0.000	1.419	2.294	1.718	6.101	1.975
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:01:59	153.500	200.400	8110.000	277200.000	288300.000	82.680	194.700	143.300
2	23:02:42	159.900	210.300	8503.000	291500.000	299700.000	85.090	201.200	150.600
3	23:03:25	162.300	211.400	8451.000	289600.000	298600.000	85.700	202.000	149.100
X		158.600	207.400	8354.000	286100.000	295500.000	84.490	199.300	147.700
σ		4.564	6.080	213.300	7769.000	6311.000	1.595	4.013	3.868
%RSD		2.879	2.932	2.553	2.716	2.136	1.888	2.014	2.620
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:01:59	145.300	565.600	575.400	123.800	3.327	5.055	0.000	99.370
2	23:02:42	151.000	589.300	603.100	126.700	3.171	5.144	0.000	102.900
3	23:03:25	151.100	588.500	601.200	127.300	3.289	4.982	0.000	103.000
X		149.100	581.100	593.200	126.000	3.262	5.060	0.000	101.700
σ		3.298	13.480	15.440	1.866	0.082	0.081	0.000	2.065
%RSD		2.212	2.320	2.602	1.481	2.501	1.600	0.000	2.029
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:01:59	0.000	14.110	13.860	71.682%	0.274	0.233	1.998	1.749
2	23:02:42	0.000	14.310	14.290	68.374%	0.284	0.232	1.954	1.755
3	23:03:25	0.000	14.520	14.200	68.127%	0.287	0.279	1.964	1.650
X		0.000	14.310	14.120	69.394%	0.282	0.248	1.972	1.718
σ		0.000	0.209	0.227	1.985%	0.007	0.027	0.023	0.059
%RSD		0.000	1.457	1.609	2.860	2.551	10.870	1.154	3.422
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:01:59	71.806%	9.355	1.232	1.277	554.100	555.500	79.592%	79.686%
2	23:02:42	69.974%	9.528	1.241	1.252	564.600	565.000	79.187%	79.251%
3	23:03:25	69.972%	9.331	1.269	1.231	560.500	561.300	79.286%	79.763%
X		70.584%	9.405	1.247	1.254	559.700	560.600	79.355%	79.567%
σ		1.058%	0.108	0.019	0.023	5.334	4.798	0.211%	0.276%
%RSD		1.500	1.144	1.545	1.851	0.953	0.856	0.266	0.346
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:01:59	1.280	1.272	183.600	181.700	181.700	72.459%		
2	23:02:42	1.335	1.355	190.600	188.800	188.700	71.720%		
3	23:03:25	1.372	1.371	191.000	188.200	188.400	71.987%		
X		1.329	1.333	188.400	186.200	186.300	72.055%		
σ		0.046	0.053	4.161	3.926	3.950	0.374%		
%RSD		3.478	4.000	2.209	2.108	2.121	0.520		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:18	73.383%	4.849	20.100	20.330	0.000	395.500	26680.000	27980.000
2	23:07:01	73.424%	4.918	20.530	20.620	0.000	386.500	26350.000	28130.000
3	23:07:44	74.244%	4.840	20.210	21.020	0.000	390.900	26540.000	28020.000
X		73.683%	4.869	20.280	20.660	0.000	390.900	26520.000	28040.000
σ		0.486%	0.043	0.224	0.348	0.000	4.466	167.900	77.200
%RSD		0.660	0.884	1.103	1.683	0.000	1.142	0.633	0.275
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:18	95620.000	1671.000	0.000	9308.000	19730.000	20290.000	77.803%	522.700
2	23:07:01	96430.000	1661.000	0.000	9282.000	19790.000	20640.000	76.157%	532.500
3	23:07:44	94920.000	1634.000	0.000	9331.000	20320.000	20910.000	74.482%	537.100
X		95650.000	1655.000	0.000	9307.000	19940.000	20610.000	76.147%	530.800
σ		756.200	19.300	0.000	24.570	325.000	311.700	1.660%	7.348
%RSD		0.790	1.166	0.000	0.264	1.630	1.512	2.180	1.384
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:18	169.400	202.800	3315.000	248500.000	253800.000	88.480	239.200	183.800
2	23:07:01	171.600	205.000	3384.000	253900.000	259100.000	90.740	244.700	189.100
3	23:07:44	176.200	208.600	3408.000	255300.000	261900.000	91.480	248.900	191.200
X		172.400	205.500	3369.000	252600.000	258300.000	90.230	244.200	188.100
σ		3.494	2.929	47.980	3610.000	4126.000	1.564	4.884	3.796
%RSD		2.026	1.425	1.424	1.429	1.598	1.733	2.000	2.019
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:18	185.500	539.500	548.100	144.700	2.403	3.793	0.000	88.070
2	23:07:01	193.900	557.800	569.900	147.700	2.520	4.202	0.000	90.580
3	23:07:44	192.900	559.100	569.000	147.300	2.134	3.867	0.000	91.630
X		190.700	552.100	562.300	146.600	2.352	3.954	0.000	90.090
σ		4.587	10.990	12.320	1.619	0.198	0.218	0.000	1.833
%RSD		2.405	1.990	2.190	1.104	8.412	5.511	0.000	2.035
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:18	0.000	11.860	12.060	67.439%	0.283	0.203	1.719	1.308
2	23:07:01	0.000	12.660	12.180	67.416%	0.312	0.225	1.946	1.536
3	23:07:44	0.000	12.390	12.440	67.232%	0.298	0.229	1.784	1.455
X		0.000	12.300	12.230	67.362%	0.298	0.219	1.816	1.433
σ		0.000	0.406	0.197	0.114%	0.015	0.014	0.117	0.116
%RSD		0.000	3.299	1.610	0.169	4.945	6.478	6.423	8.072
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:18	68.711%	7.669	0.783	0.813	441.000	439.300	77.346%	76.355%
2	23:07:01	69.611%	7.635	0.815	0.765	444.200	444.500	78.450%	77.843%
3	23:07:44	69.680%	7.744	0.781	0.755	446.100	446.600	78.641%	78.406%
X		69.334%	7.683	0.793	0.778	443.800	443.500	78.146%	77.535%
σ		0.541%	0.056	0.019	0.031	2.571	3.718	0.699%	1.060%
%RSD		0.780	0.723	2.377	4.004	0.579	0.838	0.895	1.367
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:06:18	1.371	1.365	130.000	128.100	128.500	70.071%		
2	23:07:01	1.421	1.385	132.800	131.200	131.600	70.600%		
3	23:07:44	1.421	1.448	133.700	131.800	132.200	70.570%		
X		1.404	1.399	132.200	130.300	130.800	70.414%		
σ		0.029	0.043	1.966	1.966	2.001	0.297%		
%RSD		2.061	3.092	1.488	1.508	1.530	0.422		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:38	76.348%	4.195	21.510	21.420	0.000	248.500	15460.000	16050.000
2	23:11:21	72.357%	4.182	22.710	23.060	0.000	259.600	15930.000	16810.000
3	23:12:04	72.210%	4.367	23.470	23.500	0.000	264.300	16140.000	17010.000
x		73.638%	4.248	22.560	22.660	0.000	257.400	15840.000	16620.000
σ		2.348%	0.104	0.986	1.096	0.000	8.126	346.100	504.400
%RSD		3.188	2.439	4.371	4.837	0.000	3.157	2.184	3.035
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:38	78890.000	2179.000	0.000	5972.000	23360.000	24280.000	77.958%	560.700
2	23:11:21	80950.000	2238.000	0.000	6140.000	24520.000	25790.000	75.069%	573.100
3	23:12:04	82630.000	2279.000	0.000	6308.000	24620.000	25440.000	74.702%	575.000
x		80820.000	2232.000	0.000	6140.000	24160.000	25170.000	75.910%	569.600
σ		1873.000	50.300	0.000	168.000	699.500	790.400	1.784%	7.798
%RSD		2.317	2.254	0.000	2.736	2.895	3.140	2.350	1.369
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:38	157.400	182.400	2880.000	195900.000	198100.000	61.450	159.700	135.600
2	23:11:21	162.400	188.100	2978.000	201100.000	203200.000	63.180	164.900	141.700
3	23:12:04	167.500	190.600	3021.000	204800.000	209100.000	63.590	167.800	143.500
x		162.400	187.000	2960.000	200600.000	203400.000	62.740	164.200	140.300
σ		5.071	4.237	72.000	4474.000	5540.000	1.134	4.103	4.171
%RSD		3.122	2.265	2.433	2.231	2.723	1.807	2.500	2.974
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:38	137.300	519.100	531.000	92.660	3.534	5.050	0.000	103.400
2	23:11:21	142.500	541.900	547.600	95.730	3.566	5.036	0.000	107.800
3	23:12:04	144.400	542.600	559.100	97.200	4.078	5.410	0.000	109.800
x		141.400	534.500	545.900	95.190	3.726	5.165	0.000	107.000
σ		3.692	13.390	14.120	2.317	0.305	0.212	0.000	3.248
%RSD		2.611	2.505	2.586	2.434	8.184	4.105	0.000	3.036
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:38	0.000	11.280	11.360	69.447%	2.262	2.234	3.140	2.875
2	23:11:21	0.000	11.820	11.720	68.945%	2.303	2.365	3.020	2.865
3	23:12:04	0.000	11.840	11.640	68.900%	2.353	2.330	2.924	2.921
x		0.000	11.650	11.570	69.097%	2.306	2.310	3.028	2.887
σ		0.000	0.316	0.189	0.304%	0.045	0.068	0.108	0.030
%RSD		0.000	2.712	1.637	0.440	1.972	2.935	3.568	1.037
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:38	70.021%	11.400	1.187	1.152	525.400	522.800	76.895%	77.592%
2	23:11:21	70.468%	11.550	1.222	1.238	538.600	539.300	77.976%	78.236%
3	23:12:04	71.000%	11.880	1.197	1.254	545.800	542.100	78.508%	78.665%
x		70.497%	11.610	1.202	1.215	536.600	534.700	77.793%	78.165%
σ		0.490%	0.247	0.018	0.055	10.390	10.450	0.822%	0.540%
%RSD		0.695	2.125	1.513	4.511	1.936	1.954	1.057	0.691
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:10:38	1.178	1.201	202.800	201.900	200.700	72.524%		
2	23:11:21	1.265	1.250	211.300	209.000	208.800	73.263%		
3	23:12:04	1.269	1.265	212.700	210.000	210.300	73.924%		
x		1.237	1.239	208.900	206.900	206.600	73.237%		
σ		0.051	0.034	5.362	4.436	5.148	0.701%		
%RSD		4.135	2.721	2.566	2.143	2.492	0.957		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:58	76.945%	5.396	28.200	28.670	0.000	560.200	45040.000	46550.000
2	23:15:41	78.440%	5.114	26.900	28.250	0.000	545.600	44050.000	46540.000
3	23:16:24	76.624%	5.406	28.500	28.910	0.000	561.000	45040.000	47150.000
X		77.336%	5.305	27.870	28.610	0.000	555.600	44710.000	46750.000
σ		0.969%	0.166	0.849	0.333	0.000	8.690	571.300	348.300
%RSD		1.253	3.122	3.045	1.165	0.000	1.564	1.278	0.745
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:58	92920.000	2719.000	0.000	12440.000	66750.000	68910.000	83.826%	641.400
2	23:15:41	92070.000	2681.000	0.000	12360.000	67240.000	69300.000	83.558%	646.700
3	23:16:24	93890.000	2688.000	0.000	12380.000	67070.000	69100.000	83.447%	655.400
X		92960.000	2696.000	0.000	12390.000	67020.000	69100.000	83.610%	647.800
σ		910.800	20.400	0.000	43.630	247.300	194.400	0.195%	7.090
%RSD		0.980	0.757	0.000	0.352	0.369	0.281	0.233	1.094
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:58	163.400	202.700	4950.000	303700.000	316300.000	118.500	302.900	235.000
2	23:15:41	165.400	204.000	5048.000	308300.000	325000.000	120.900	305.400	237.400
3	23:16:24	166.900	206.000	5040.000	308200.000	323100.000	120.500	302.900	236.700
X		165.200	204.200	5013.000	306700.000	321500.000	120.000	303.800	236.400
σ		1.743	1.633	54.640	2645.000	4558.000	1.284	1.452	1.255
%RSD		1.055	0.799	1.090	0.862	1.418	1.070	0.478	0.531
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:58	238.800	693.200	703.500	188.600	3.424	6.166	0.000	146.400
2	23:15:41	237.700	705.500	716.900	193.500	3.510	6.775	0.000	149.100
3	23:16:24	239.300	705.900	716.800	192.700	3.437	6.403	0.000	149.700
X		238.600	701.500	712.400	191.600	3.457	6.448	0.000	148.400
σ		0.826	7.202	7.689	2.670	0.046	0.306	0.000	1.798
%RSD		0.346	1.027	1.079	1.393	1.345	4.754	0.000	1.212
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:58	0.000	14.340	14.430	70.389%	0.361	0.268	2.134	1.646
2	23:15:41	0.000	14.690	14.960	70.929%	0.378	0.268	2.150	1.684
3	23:16:24	0.000	14.950	14.580	71.710%	0.395	0.281	2.149	1.683
X		0.000	14.660	14.660	71.009%	0.378	0.272	2.144	1.671
σ		0.000	0.307	0.270	0.664%	0.017	0.008	0.009	0.022
%RSD		0.000	2.097	1.841	0.935	4.588	2.894	0.425	1.294
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:58	70.632%	7.123	0.805	0.844	415.300	417.100	79.763%	78.314%
2	23:15:41	72.918%	7.179	0.812	0.821	419.700	417.800	82.414%	80.906%
3	23:16:24	73.687%	7.226	0.817	0.816	419.400	417.900	83.292%	81.488%
X		72.412%	7.176	0.811	0.827	418.100	417.600	81.823%	80.236%
σ		1.589%	0.051	0.006	0.015	2.464	0.473	1.838%	1.690%
%RSD		2.195	0.716	0.724	1.780	0.589	0.113	2.246	2.106
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:14:58	1.544	1.507	136.400	135.300	136.000	68.789%		
2	23:15:41	1.501	1.587	137.400	135.800	136.400	70.965%		
3	23:16:24	1.527	1.566	139.000	137.600	137.900	70.954%		
X		1.524	1.553	137.600	136.200	136.700	70.236%		
σ		0.022	0.041	1.319	1.213	1.014	1.253%		
%RSD		1.413	2.658	0.959	0.890	0.741	1.784		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:18	81.445%	4.654	26.060	26.870	0.000	476.700	40830.000	43170.000
2	23:20:01	77.379%	4.771	27.780	27.560	0.000	495.300	42170.000	44580.000
3	23:20:44	79.327%	4.471	24.880	25.880	0.000	466.200	40140.000	42590.000
X		79.384%	4.632	26.240	26.770	0.000	479.400	41050.000	43450.000
σ		2.033%	0.151	1.461	0.842	0.000	14.710	1034.000	1022.000
%RSD		2.562	3.261	5.569	3.143	0.000	3.069	2.518	2.352
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:18	82300.000	2522.000	0.000	10870.000	64140.000	65920.000	86.746%	547.200
2	23:20:01	83830.000	2544.000	0.000	10790.000	64730.000	66100.000	84.597%	561.100
3	23:20:44	80990.000	2474.000	0.000	10500.000	63790.000	66290.000	83.031%	552.500
X		82380.000	2513.000	0.000	10720.000	64220.000	66100.000	84.791%	553.600
σ		1421.000	36.220	0.000	194.200	479.800	185.300	1.865%	7.065
%RSD		1.725	1.441	0.000	1.811	0.747	0.280	2.200	1.276
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:18	138.600	149.900	3947.000	256800.000	266300.000	105.900	247.900	176.700
2	23:20:01	143.000	153.200	4029.000	261700.000	270900.000	108.300	253.300	181.200
3	23:20:44	138.900	151.200	3977.000	257400.000	267600.000	107.100	249.500	180.000
X		140.200	151.500	3984.000	258600.000	268200.000	107.100	250.200	179.300
σ		2.465	1.652	41.370	2678.000	2361.000	1.163	2.742	2.331
%RSD		1.758	1.091	1.038	1.035	0.880	1.086	1.096	1.300
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:18	180.600	528.100	536.800	164.100	1.858	4.100	0.000	142.300
2	23:20:01	183.700	535.000	545.000	168.500	1.892	4.466	0.000	145.000
3	23:20:44	180.200	536.100	548.800	167.900	1.940	4.325	0.000	143.700
X		181.500	533.100	543.500	166.800	1.897	4.297	0.000	143.600
σ		1.920	4.333	6.111	2.401	0.041	0.185	0.000	1.361
%RSD		1.058	0.813	1.124	1.439	2.167	4.304	0.000	0.947
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:18	0.000	8.713	8.463	73.456%	0.271	0.172	1.737	1.309
2	23:20:01	0.000	8.634	8.588	73.706%	0.321	0.173	1.814	1.356
3	23:20:44	0.000	8.642	8.617	73.780%	0.318	0.189	1.726	1.280
X		0.000	8.663	8.556	73.647%	0.303	0.178	1.759	1.315
σ		0.000	0.044	0.081	0.170%	0.028	0.010	0.048	0.039
%RSD		0.000	0.502	0.951	0.231	9.152	5.479	2.713	2.948
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:18	73.837%	5.922	0.596	0.594	330.500	328.700	80.883%	79.700%
2	23:20:01	74.796%	6.054	0.623	0.589	331.900	331.600	82.884%	82.028%
3	23:20:44	76.152%	5.850	0.606	0.646	326.100	325.300	84.841%	83.908%
X		74.928%	5.942	0.609	0.610	329.500	328.500	82.869%	81.879%
σ		1.163%	0.103	0.014	0.032	3.022	3.156	1.979%	2.108%
%RSD		1.552	1.743	2.275	5.230	0.917	0.961	2.388	2.575
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:19:18	1.283	1.274	111.600	109.800	110.100	70.852%		
2	23:20:01	1.291	1.311	112.100	110.800	111.500	73.028%		
3	23:20:44	1.293	1.268	110.100	108.400	109.500	75.124%		
X		1.289	1.284	111.300	109.700	110.400	73.001%		
σ		0.006	0.024	1.056	1.220	1.028	2.136%		
%RSD		0.437	1.833	0.949	1.113	0.931	2.926		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:38	77.592%	5.217	27.650	26.750	0.000	472.000	34370.000	35810.000
2	23:24:22	74.309%	5.336	27.550	27.580	0.000	482.200	34730.000	36340.000
3	23:25:04	73.778%	5.530	28.210	28.090	0.000	478.800	34380.000	35990.000
X		75.226%	5.361	27.800	27.480	0.000	477.600	34490.000	36050.000
σ		2.066%	0.158	0.356	0.677	0.000	5.202	204.900	271.700
%RSD		2.746	2.947	1.282	2.465	0.000	1.089	0.594	0.754
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:38	103700.000	2135.000	0.000	11150.000	33800.000	34840.000	84.508%	602.100
2	23:24:22	103400.000	2139.000	0.000	11100.000	33590.000	35340.000	80.829%	621.800
3	23:25:04	104900.000	2129.000	0.000	11270.000	34650.000	35750.000	77.287%	626.300
X		104000.000	2134.000	0.000	11170.000	34010.000	35310.000	80.875%	616.700
σ		802.600	4.860	0.000	90.750	558.200	456.300	3.611%	12.890
%RSD		0.772	0.228	0.000	0.812	1.641	1.292	4.465	2.090
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:38	183.300	324.900	4690.000	292500.000	307300.000	106.700	327.800	264.000
2	23:24:22	187.500	329.300	4746.000	295700.000	308700.000	107.400	328.000	264.600
3	23:25:04	191.900	337.200	4865.000	305000.000	317500.000	108.200	331.600	268.100
X		187.600	330.400	4767.000	297800.000	311200.000	107.500	329.200	265.500
σ		4.304	6.259	89.220	6516.000	5497.000	0.758	2.154	2.194
%RSD		2.295	1.894	1.872	2.188	1.766	0.706	0.654	0.826
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:38	263.900	687.800	698.000	173.900	3.095	6.636	0.000	103.900
2	23:24:22	265.400	697.700	710.100	174.900	2.998	6.388	0.000	106.300
3	23:25:04	270.000	709.600	722.900	177.100	3.205	6.617	0.000	106.700
X		266.400	698.400	710.300	175.300	3.099	6.547	0.000	105.600
σ		3.207	10.960	12.450	1.646	0.104	0.138	0.000	1.537
%RSD		1.204	1.569	1.753	0.939	3.356	2.109	0.000	1.456
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:38	0.000	18.410	18.450	71.831%	0.337	0.216	2.498	1.878
2	23:24:22	0.000	18.900	19.030	70.380%	0.333	0.204	2.314	1.858
3	23:25:04	0.000	18.960	19.410	69.135%	0.332	0.231	2.390	1.899
X		0.000	18.760	18.960	70.449%	0.334	0.217	2.401	1.879
σ		0.000	0.300	0.482	1.349%	0.002	0.013	0.093	0.021
%RSD		0.000	1.598	2.544	1.915	0.724	6.121	3.854	1.091
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:38	72.571%	7.111	0.903	0.943	484.500	483.600	83.244%	81.249%
2	23:24:22	71.952%	6.898	0.983	0.966	487.200	485.700	83.434%	81.895%
3	23:25:04	70.930%	7.093	0.894	0.991	494.700	493.200	82.459%	81.166%
X		71.818%	7.034	0.927	0.967	488.800	487.500	83.046%	81.437%
σ		0.829%	0.118	0.049	0.024	5.288	5.036	0.517%	0.399%
%RSD		1.154	1.682	5.262	2.507	1.082	1.033	0.622	0.490
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:23:38	1.635	1.558	150.000	146.700	147.800	71.134%		
2	23:24:22	1.577	1.551	150.400	149.800	149.800	71.654%		
3	23:25:04	1.557	1.622	152.900	151.100	151.900	70.797%		
X		1.590	1.577	151.100	149.200	149.800	71.195%		
σ		0.040	0.039	1.595	2.268	2.028	0.432%		
%RSD		2.535	2.471	1.056	1.520	1.353	0.607		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:59	72.186%	4.705	26.110	28.310	0.000	467.400	30460.000	32180.000
2	23:28:42	71.498%	4.557	28.100	28.410	0.000	467.000	30550.000	32450.000
3	23:29:25	68.890%	4.912	30.030	29.060	0.000	488.900	31980.000	33670.000
X		70.858%	4.725	28.080	28.590	0.000	474.400	31000.000	32770.000
σ		1.738%	0.178	1.962	0.406	0.000	12.550	853.500	792.800
%RSD		2.453	3.772	6.986	1.419	0.000	2.645	2.753	2.419
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:59	86000.000	1155.000	0.000	12120.000	37730.000	39250.000	77.910%	513.400
2	23:28:42	85970.000	1158.000	0.000	12030.000	38480.000	40210.000	75.651%	526.100
3	23:29:25	88920.000	1198.000	0.000	12390.000	40090.000	41790.000	73.866%	536.000
X		86960.000	1171.000	0.000	12180.000	38770.000	40420.000	75.809%	525.200
σ		1697.000	24.080	0.000	187.100	1210.000	1283.000	2.026%	11.350
%RSD		1.951	2.057	0.000	1.536	3.121	3.173	2.673	2.161
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:59	142.700	193.400	3331.000	233400.000	235900.000	84.110	231.300	176.300
2	23:28:42	145.300	198.500	3398.000	237500.000	241900.000	86.400	233.500	176.200
3	23:29:25	149.800	204.200	3519.000	245300.000	249200.000	88.660	238.800	182.900
X		145.900	198.700	3416.000	238700.000	242300.000	86.390	234.500	178.400
σ		3.588	5.384	95.530	6077.000	6617.000	2.273	3.826	3.828
%RSD		2.459	2.709	2.796	2.545	2.731	2.632	1.632	2.145
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:59	174.500	611.700	624.700	153.200	2.179	3.799	0.000	95.710
2	23:28:42	179.500	626.300	637.800	157.000	2.100	3.604	0.000	99.170
3	23:29:25	185.000	646.700	660.100	163.800	2.314	4.358	0.000	103.000
X		179.700	628.300	640.900	158.000	2.197	3.920	0.000	99.300
σ		5.242	17.570	17.880	5.392	0.108	0.392	0.000	3.664
%RSD		2.918	2.797	2.791	3.412	4.930	9.991	0.000	3.690
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:59	0.000	12.490	12.420	70.052%	0.264	0.219	1.483	1.181
2	23:28:42	0.000	13.180	12.800	69.260%	0.261	0.199	1.247	1.026
3	23:29:25	0.000	13.470	13.260	68.284%	0.273	0.216	1.393	1.155
X		0.000	13.050	12.830	69.199%	0.266	0.211	1.374	1.120
σ		0.000	0.503	0.419	0.885%	0.006	0.011	0.119	0.083
%RSD		0.000	3.856	3.267	1.279	2.387	5.131	8.678	7.407
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:59	70.925%	7.099	0.629	0.615	367.700	363.900	77.521%	77.321%
2	23:28:42	70.877%	7.169	0.643	0.613	374.200	373.600	79.119%	78.858%
3	23:29:25	70.249%	7.403	0.644	0.699	384.400	383.200	78.816%	78.131%
X		70.684%	7.224	0.639	0.642	375.400	373.600	78.486%	78.103%
σ		0.377%	0.159	0.008	0.049	8.452	9.680	0.849%	0.769%
%RSD		0.534	2.206	1.298	7.684	2.251	2.591	1.082	0.985
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:27:59	1.150	1.110	115.600	113.900	114.100	73.927%		
2	23:28:42	1.176	1.212	117.700	115.900	116.300	75.709%		
3	23:29:25	1.268	1.253	122.100	120.500	120.700	74.587%		
X		1.198	1.192	118.500	116.800	117.100	74.741%		
σ		0.062	0.074	3.306	3.365	3.368	0.901%		
%RSD		5.161	6.176	2.791	2.881	2.877	1.206		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:18	71.058%	5.452	29.430	30.800	0.000	486.000	39320.000	41410.000
2	23:33:01	71.650%	5.285	30.030	30.530	0.000	476.400	39330.000	41800.000
3	23:33:44	71.067%	5.363	30.000	30.620	0.000	491.300	39780.000	41640.000
X		71.258%	5.367	29.820	30.650	0.000	484.600	39480.000	41620.000
σ		0.339%	0.084	0.333	0.135	0.000	7.574	260.400	193.000
%RSD		0.476	1.559	1.117	0.441	0.000	1.563	0.660	0.464
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:18	90900.000	993.600	0.000	13010.000	45480.000	46660.000	79.505%	562.500
2	23:33:01	91840.000	894.400	0.000	13050.000	46340.000	47710.000	78.086%	561.700
3	23:33:44	92250.000	1007.000	0.000	13050.000	46490.000	47450.000	78.070%	567.400
X		91660.000	965.000	0.000	13040.000	46100.000	47270.000	78.553%	563.800
σ		688.600	61.510	0.000	24.350	541.400	544.900	0.824%	3.074
%RSD		0.751	6.374	0.000	0.187	1.174	1.153	1.049	0.545
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:18	149.700	170.600	3925.000	254900.000	260200.000	102.200	253.800	181.900
2	23:33:01	153.000	173.100	4005.000	260700.000	267100.000	104.100	257.600	185.900
3	23:33:44	151.300	174.100	4045.000	259100.000	268700.000	105.600	258.100	184.600
X		151.300	172.600	3992.000	258200.000	265300.000	103.900	256.500	184.200
σ		1.637	1.778	61.360	2986.000	4547.000	1.704	2.369	2.045
%RSD		1.082	1.030	1.537	1.156	1.714	1.639	0.923	1.110
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:18	183.200	647.800	660.400	178.400	2.167	4.022	0.000	117.400
2	23:33:01	185.700	656.900	673.700	182.300	2.293	3.868	0.000	119.900
3	23:33:44	187.500	664.300	675.700	184.800	2.082	4.297	0.000	120.700
X		185.400	656.300	669.900	181.800	2.181	4.062	0.000	119.300
σ		2.159	8.244	8.337	3.233	0.106	0.217	0.000	1.690
%RSD		1.165	1.256	1.244	1.778	4.874	5.349	0.000	1.416
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:18	0.000	7.972	8.016	70.065%	0.246	0.209	1.687	1.280
2	23:33:01	0.000	8.128	8.116	71.315%	0.259	0.187	1.695	1.406
3	23:33:44	0.000	8.168	8.202	72.001%	0.261	0.178	1.900	1.489
X		0.000	8.090	8.111	71.127%	0.255	0.191	1.761	1.392
σ		0.000	0.104	0.093	0.981%	0.008	0.016	0.121	0.105
%RSD		0.000	1.282	1.145	1.380	3.289	8.491	6.863	7.559
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:18	72.165%	6.319	0.569	0.575	361.200	362.000	80.357%	78.935%
2	23:33:01	73.453%	6.315	0.561	0.603	367.600	368.600	82.511%	81.829%
3	23:33:44	73.947%	6.390	0.593	0.636	368.700	367.500	83.005%	81.851%
X		73.188%	6.341	0.575	0.604	365.800	366.000	81.958%	80.872%
σ		0.920%	0.042	0.017	0.031	4.041	3.553	1.408%	1.677%
%RSD		1.257	0.669	2.916	5.054	1.105	0.971	1.717	2.074
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:32:18	1.273	1.257	106.900	105.100	105.900	74.217%		
2	23:33:01	1.285	1.282	107.500	106.600	107.100	76.301%		
3	23:33:44	1.279	1.272	108.600	107.800	107.700	76.436%		
X		1.279	1.270	107.600	106.500	106.900	75.651%		
σ		0.006	0.013	0.868	1.380	0.956	1.244%		
%RSD		0.444	1.010	0.807	1.295	0.894	1.644		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:36	77.353%	3.916	23.700	24.020	0.000	390.900	26370.000	27290.000
2	23:37:19	76.291%	3.909	24.530	24.200	0.000	384.200	25800.000	27080.000
3	23:38:02	74.596%	4.060	24.600	24.620	0.000	389.400	26150.000	27640.000
X		76.080%	3.962	24.280	24.280	0.000	388.200	26100.000	27340.000
σ		1.391%	0.085	0.504	0.309	0.000	3.494	285.100	282.800
%RSD		1.828	2.149	2.078	1.273	0.000	0.900	1.092	1.034
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:36	70700.000	1630.000	0.000	9701.000	22140.000	22930.000	81.018%	519.100
2	23:37:19	69730.000	1624.000	0.000	9665.000	22400.000	23400.000	77.832%	520.300
3	23:38:02	70920.000	1624.000	0.000	9738.000	22650.000	23430.000	75.940%	525.200
X		70450.000	1626.000	0.000	9701.000	22400.000	23250.000	78.263%	521.500
σ		632.500	3.473	0.000	36.650	253.600	284.300	2.567%	3.220
%RSD		0.898	0.214	0.000	0.378	1.132	1.223	3.279	0.617
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:36	121.500	134.100	3164.000	209200.000	211800.000	79.820	196.100	154.100
2	23:37:19	121.700	135.400	3235.000	213200.000	215300.000	79.960	195.400	155.900
3	23:38:02	126.400	138.100	3276.000	216200.000	219300.000	80.890	199.400	157.000
X		123.200	135.900	3225.000	212900.000	215500.000	80.220	197.000	155.700
σ		2.730	2.053	56.310	3478.000	3784.000	0.584	2.152	1.455
%RSD		2.215	1.511	1.746	1.634	1.756	0.729	1.093	0.935
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:36	154.800	477.200	486.200	127.700	2.545	4.190	0.000	76.880
2	23:37:19	155.400	484.200	494.000	128.300	3.042	4.794	0.000	78.490
3	23:38:02	160.100	494.600	502.500	129.900	2.820	4.103	0.000	79.130
X		156.800	485.300	494.300	128.700	2.802	4.362	0.000	78.170
σ		2.895	8.740	8.166	1.140	0.249	0.376	0.000	1.161
%RSD		1.847	1.801	1.652	0.886	8.893	8.621	0.000	1.485
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:36	0.000	7.674	7.549	71.374%	0.318	0.224	1.723	1.350
2	23:37:19	0.000	7.744	7.786	70.445%	0.324	0.209	1.573	1.284
3	23:38:02	0.000	7.919	7.784	69.479%	0.326	0.204	1.514	1.215
X		0.000	7.779	7.707	70.433%	0.323	0.212	1.604	1.283
σ		0.000	0.126	0.136	0.948%	0.005	0.010	0.108	0.067
%RSD		0.000	1.622	1.768	1.345	1.395	4.917	6.718	5.246
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:36	71.465%	7.632	0.562	0.557	325.000	322.400	79.549%	78.848%
2	23:37:19	71.752%	7.755	0.507	0.589	325.000	325.100	80.516%	80.002%
3	23:38:02	70.994%	7.810	0.602	0.614	327.100	325.700	79.825%	79.519%
X		71.404%	7.732	0.557	0.587	325.700	324.400	79.964%	79.456%
σ		0.383%	0.091	0.047	0.029	1.246	1.786	0.498%	0.579%
%RSD		0.536	1.179	8.517	4.917	0.383	0.550	0.623	0.729
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:36:36	1.057	1.091	110.600	109.000	109.500	72.452%		
2	23:37:19	1.057	1.070	110.300	109.700	109.800	73.873%		
3	23:38:02	1.081	1.088	112.200	110.800	111.400	73.475%		
X		1.065	1.083	111.100	109.800	110.200	73.267%		
σ		0.014	0.011	1.033	0.929	1.016	0.733%		
%RSD		1.325	1.026	0.930	0.846	0.922	1.000		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:40:54	76.696%	6.318	58.630	57.740	0.000	811.800	23770.000	25040.000
2	23:41:37	76.532%	6.145	56.050	57.370	0.000	792.900	23670.000	25010.000
3	23:42:20	76.686%	6.248	60.670	57.870	0.000	820.400	24500.000	25830.000
X		76.638%	6.237	58.450	57.660	0.000	808.300	23980.000	25290.000
σ		0.092%	0.087	2.318	0.259	0.000	14.070	455.600	465.800
%RSD		0.120	1.394	3.966	0.449	0.000	1.741	1.900	1.841
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:40:54	70700.000	5283.000	0.000	8343.000	138900.000	145900.000	79.065%	814.900
2	23:41:37	70300.000	5226.000	0.000	8514.000	142500.000	148600.000	76.167%	825.900
3	23:42:20	72650.000	5340.000	0.000	8508.000	143600.000	149000.000	75.296%	841.000
X		71220.000	5283.000	0.000	8455.000	141600.000	147800.000	76.843%	827.300
σ		1256.000	57.090	0.000	97.190	2461.000	1676.000	1.973%	13.080
%RSD		1.763	1.081	0.000	1.149	1.737	1.134	2.568	1.581
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:40:54	118.100	133.500	6620.000	138200.000	138700.000	42.290	101.500	87.590
2	23:41:37	118.600	136.000	6742.000	141500.000	142000.000	43.770	103.700	89.640
3	23:42:20	121.700	138.200	6863.000	144500.000	144900.000	44.210	106.700	91.950
X		119.400	135.900	6742.000	141400.000	141900.000	43.430	104.000	89.730
σ		1.945	2.384	121.300	3153.000	3076.000	1.006	2.642	2.185
%RSD		1.629	1.755	1.799	2.229	2.168	2.316	2.542	2.436
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:40:54	87.900	332.300	338.800	68.660	3.737	5.804	0.000	355.700
2	23:41:37	91.590	344.500	350.900	69.910	3.826	5.425	0.000	363.100
3	23:42:20	92.580	347.500	354.600	71.020	3.847	5.793	0.000	368.800
X		90.690	341.400	348.100	69.860	3.803	5.674	0.000	362.500
σ		2.466	8.050	8.262	1.179	0.058	0.216	0.000	6.573
%RSD		2.719	2.358	2.374	1.688	1.535	3.804	0.000	1.813
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:40:54	0.000	6.963	6.819	69.584%	0.306	0.208	1.781	1.335
2	23:41:37	0.000	6.806	7.093	70.236%	0.296	0.181	1.582	1.250
3	23:42:20	0.000	7.034	7.090	70.335%	0.277	0.225	1.739	1.303
X		0.000	6.935	7.001	70.052%	0.293	0.204	1.701	1.296
σ		0.000	0.117	0.157	0.408%	0.015	0.022	0.105	0.043
%RSD		0.000	1.682	2.249	0.582	5.111	10.760	6.164	3.303
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:40:54	70.431%	27.090	1.895	1.920	536.000	535.500	77.702%	77.918%
2	23:41:37	72.148%	27.520	1.900	1.925	539.800	539.100	79.893%	80.516%
3	23:42:20	72.171%	28.110	1.900	1.932	545.600	545.700	80.427%	80.616%
X		71.583%	27.580	1.898	1.926	540.400	540.100	79.340%	79.683%
σ		0.998%	0.510	0.003	0.006	4.832	5.184	1.444%	1.529%
%RSD		1.394	1.850	0.160	0.306	0.894	0.960	1.820	1.919
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:40:54	0.719	0.716	139.700	139.700	139.200	72.387%		
2	23:41:37	0.769	0.760	142.800	142.100	141.900	74.576%		
3	23:42:20	0.774	0.776	147.100	145.000	145.100	74.306%		
X		0.754	0.751	143.200	142.200	142.100	73.756%		
σ		0.030	0.032	3.703	2.628	2.937	1.193%		
%RSD		3.998	4.202	2.586	1.847	2.067	1.618		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:48:09	73.789%	101.200	94.880	95.540	0.000	47400.000	43600.000	45800.000
2	23:48:52	71.397%	102.200	98.010	96.230	0.000	47920.000	44520.000	46650.000
3	23:49:35	69.629%	104.800	97.820	95.500	0.000	47750.000	44450.000	46790.000
x		71.605%	102.739%	96.902%	95.758%	0.000	95.381%	88.384%	92.828%
σ		2.088%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.916	1.790	1.810	0.423	0.000	0.548	1.157	1.147
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:48:09	467.400	4991.000	0.000	48010.000	47870.000	49870.000	80.249%	98.750
2	23:48:52	457.000	5006.000	0.000	48950.000	49120.000	50710.000	77.037%	99.930
3	23:49:35	480.900	5049.000	0.000	49700.000	49410.000	51010.000	74.755%	100.800
x		93.686%	100.313%	0.000	97.777%	97.603%	101.057%	77.347%	99.831%
σ		n/a	n/a	0.000	n/a	n/a	n/a	2.760%	n/a
%RSD		2.559	0.600	0.000	1.732	1.672	1.174	3.569	1.041
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:48:09	95.060	95.220	511.100	25380.000	25280.000	94.310	93.560	93.100
2	23:48:52	98.400	97.540	522.400	26070.000	25920.000	96.550	96.350	95.110
3	23:49:35	99.050	97.710	530.900	26230.000	26040.000	96.740	97.040	96.150
x		97.505%	96.826%	104.289%	103.581%	102.992%	95.863%	95.649%	94.788%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.198	1.439	1.902	1.742	1.585	1.410	1.927	1.637
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:48:09	94.360	98.350	99.450	96.770	101.200	100.700	0.000	94.980
2	23:48:52	95.370	101.100	100.200	97.700	101.900	101.300	0.000	96.730
3	23:49:35	96.620	103.400	102.800	99.350	102.800	104.800	0.000	96.540
x		95.451%	100.946%	100.809%	97.943%	101.944%	102.233%	0.000	96.083%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.185	2.489	1.715	1.336	0.802	2.153	0.000	1.002
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:48:09	76.899%	93.510	93.050	73.816%	94.070	94.670	97.930	98.620
2	23:48:52	77.135%	96.680	96.570	73.979%	94.710	96.430	98.300	100.200
3	23:49:35	77.300%	97.920	98.420	74.058%	94.970	96.330	98.880	101.500
x		77.111%	96.035%	96.013%	73.951%	94.584%	95.808%	98.367%	100.119%
σ		0.201%	n/a	n/a	0.123%	n/a	n/a	n/a	n/a
%RSD		0.261	2.367	2.845	0.167	0.487	1.031	0.487	1.435
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:48:09	73.437%	95.110	95.430	95.170	93.940	95.180	74.244%	75.083%
2	23:48:52	74.458%	96.890	96.660	97.080	95.710	95.660	76.306%	77.190%
3	23:49:35	74.496%	96.990	97.840	97.090	95.650	96.320	77.107%	78.038%
x		74.130%	96.329%	96.644%	96.449%	95.101%	95.721%	75.886%	76.770%
σ		0.601%	n/a	n/a	n/a	n/a	n/a	1.477%	1.522%
%RSD		0.810	1.101	1.246	1.146	1.058	0.600	1.946	1.982
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:48:09	93.720	94.050	95.020	94.440	93.890	73.895%		
2	23:48:52	95.890	95.780	96.000	96.340	95.880	75.863%		
3	23:49:35	97.210	96.900	97.380	97.130	96.830	76.300%		
x		95.603%	95.578%	96.134%	95.971%	95.532%	75.353%		
σ		n/a	n/a	n/a	n/a	n/a	1.281%		
%RSD		1.843	1.500	1.236	1.442	1.573	1.700		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:56:05	92.133%	-0.001	0.803	0.564	0.000	1.398	2.863	3.111
2	23:56:48	88.724%	-0.005	0.497	0.584	0.000	2.034	3.332	3.563
3	23:57:31	88.840%	-0.021	0.541	0.462	0.000	1.657	3.185	3.127
X		89.899%	-0.009	0.614	0.536	0.000	1.696	3.126	3.267
σ		1.935%	0.010	0.165	0.066	0.000	0.320	0.240	0.256
%RSD		2.153	111.700	26.920	12.220	0.000	18.870	7.671	7.843
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:56:05	0.702	-2.227	0.000	-7.076	3.737	2.981	95.137%	-0.081
2	23:56:48	0.622	1.948	0.000	-7.706	0.290	2.521	92.197%	-0.087
3	23:57:31	0.601	-2.753	0.000	-8.583	5.818	2.938	92.693%	-0.044
X		0.641	-1.011	0.000	-7.788	3.282	2.813	93.343%	-0.071
σ		0.053	2.576	0.000	0.757	2.792	0.254	1.574%	0.023
%RSD		8.293	254.800	0.000	9.719	85.070	9.025	1.686	32.950
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:56:05	-0.033	-0.011	0.351	4.518	11.860	0.004	-0.022	-0.043
2	23:56:48	0.019	-0.012	0.344	1.268	10.220	-0.003	-0.024	-0.056
3	23:57:31	0.011	-0.031	0.307	-3.550	7.127	0.001	-0.037	-0.056
X		-0.001	-0.018	0.334	0.745	9.736	0.001	-0.028	-0.052
σ		0.028	0.011	0.024	4.059	2.402	0.003	0.008	0.007
%RSD		2809.000	63.260	7.061	544.800	24.670	508.100	29.100	13.960
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:56:05	-0.036	-0.563	-0.288	-0.184	-0.304	-0.746	0.000	0.013
2	23:56:48	-0.068	-0.588	-0.253	-0.433	-0.343	-2.031	0.000	0.017
3	23:57:31	-0.051	-0.564	-0.168	-0.447	-0.372	-1.695	0.000	0.019
X		-0.052	-0.572	-0.236	-0.354	-0.340	-1.491	0.000	0.016
σ		0.016	0.014	0.062	0.148	0.034	0.666	0.000	0.003
%RSD		30.860	2.439	26.200	41.710	10.060	44.710	0.000	18.810
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:56:05	80.379%	0.251	0.245	86.862%	-0.004	-0.005	-0.043	-0.023
2	23:56:48	81.895%	0.217	0.216	87.021%	-0.006	-0.010	-0.091	-0.076
3	23:57:31	81.000%	0.167	0.161	86.877%	-0.007	-0.004	-0.083	-0.068
X		81.091%	0.212	0.207	86.920%	-0.005	-0.006	-0.072	-0.055
σ		0.762%	0.043	0.042	0.087%	0.002	0.004	0.026	0.029
%RSD		0.940	20.090	20.390	0.101	28.590	56.590	35.880	51.720
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:56:05	82.422%	-0.357	-0.069	-0.063	0.023	0.018	81.306%	81.825%
2	23:56:48	82.578%	-0.413	-0.079	-0.059	-0.015	0.014	82.661%	83.657%
3	23:57:31	83.383%	-0.413	-0.076	-0.058	0.000	0.020	83.401%	84.883%
X		82.794%	-0.395	-0.075	-0.060	0.003	0.017	82.456%	83.455%
σ		0.516%	0.033	0.005	0.003	0.019	0.003	1.062%	1.539%
%RSD		0.623	8.289	6.986	4.700	633.900	19.580	1.288	1.844
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:56:05	0.004	0.008	0.092	0.091	0.096	90.938%		
2	23:56:48	0.010	0.004	0.101	0.093	0.089	91.375%		
3	23:57:31	0.004	0.002	0.074	0.083	0.082	93.388%		
X		0.006	0.005	0.089	0.089	0.089	91.900%		
σ		0.003	0.003	0.014	0.006	0.007	1.307%		
%RSD		51.900	58.830	15.590	6.274	8.228	1.422		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:26	77.486%	4.864	18.390	18.060	0.000	403.300	24670.000	25690.000
2	00:01:09	71.612%	5.166	17.200	17.900	0.000	394.500	24990.000	26150.000
3	00:01:52	70.063%	5.054	17.500	18.810	0.000	401.700	24830.000	26150.000
X		73.054%	5.028	17.700	18.260	0.000	399.800	24830.000	26000.000
σ		3.916%	0.152	0.617	0.483	0.000	4.661	162.800	266.700
%RSD		5.360	3.031	3.487	2.644	0.000	1.166	0.655	1.026
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:26	84610.000	1268.000	0.000	11480.000	16610.000	17040.000	84.034%	456.600
2	00:01:09	87320.000	1294.000	0.000	11410.000	16700.000	17120.000	75.970%	464.900
3	00:01:52	87000.000	1040.000	0.000	11680.000	17020.000	17460.000	72.723%	474.600
X		86310.000	1201.000	0.000	11520.000	16780.000	17210.000	77.575%	465.400
σ		1477.000	139.800	0.000	143.700	217.200	222.200	5.824%	9.039
%RSD		1.712	11.640	0.000	1.247	1.295	1.291	7.507	1.942
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:26	151.100	175.400	3794.000	237700.000	244700.000	92.480	236.900	176.400
2	00:01:09	158.400	180.900	3873.000	244300.000	248300.000	93.530	237.300	180.700
3	00:01:52	158.800	181.600	3912.000	246900.000	250400.000	94.460	239.000	180.000
X		156.100	179.300	3860.000	242900.000	247800.000	93.490	237.800	179.000
σ		4.338	3.384	60.100	4753.000	2872.000	0.992	1.101	2.291
%RSD		2.779	1.887	1.557	1.956	1.159	1.061	0.463	1.280
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:26	177.400	566.600	575.100	152.700	2.511	4.280	0.000	92.210
2	00:01:09	181.000	584.800	597.500	155.500	2.071	4.682	0.000	94.540
3	00:01:52	180.500	591.400	594.900	155.100	2.132	4.180	0.000	95.440
X		179.600	580.900	589.200	154.400	2.238	4.381	0.000	94.060
σ		1.939	12.820	12.280	1.529	0.238	0.266	0.000	1.667
%RSD		1.079	2.208	2.084	0.990	10.660	6.069	0.000	1.772
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:26	0.000	9.603	9.333	72.704%	0.320	0.216	1.709	1.377
2	00:01:09	0.000	9.500	9.577	69.143%	0.310	0.237	1.870	1.478
3	00:01:52	0.000	9.676	9.663	67.006%	0.320	0.235	1.821	1.476
X		0.000	9.593	9.524	69.617%	0.317	0.230	1.800	1.444
σ		0.000	0.088	0.172	2.879%	0.006	0.012	0.082	0.058
%RSD		0.000	0.919	1.800	4.135	1.933	5.052	4.578	4.020
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:26	73.043%	7.142	0.795	0.731	573.800	572.600	82.000%	81.274%
2	00:01:09	70.555%	6.985	0.797	0.755	573.800	572.500	80.505%	80.564%
3	00:01:52	68.982%	6.973	0.774	0.808	572.500	575.800	79.650%	79.403%
X		70.860%	7.033	0.789	0.765	573.400	573.600	80.718%	80.414%
σ		2.048%	0.094	0.013	0.039	0.762	1.906	1.190%	0.944%
%RSD		2.890	1.336	1.599	5.122	0.133	0.332	1.474	1.175
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:00:26	1.146	1.164	120.700	118.500	119.200	74.878%		
2	00:01:09	1.174	1.165	121.500	120.100	121.100	74.482%		
3	00:01:52	1.167	1.179	122.900	121.200	121.800	74.096%		
X		1.162	1.169	121.700	119.900	120.700	74.485%		
σ		0.015	0.008	1.066	1.366	1.336	0.391%		
%RSD		1.267	0.700	0.876	1.139	1.107	0.525		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:04:45	82.327%	4.577	21.830	22.100	0.000	376.200	22440.000	23240.000
2	00:05:28	80.331%	4.805	22.030	21.820	0.000	373.500	22430.000	23610.000
3	00:06:11	80.728%	4.686	23.610	22.690	0.000	371.600	22720.000	23800.000
X		81.129%	4.689	22.490	22.200	0.000	373.800	22530.000	23550.000
σ		1.057%	0.114	0.972	0.446	0.000	2.325	166.000	282.400
%RSD		1.303	2.423	4.322	2.009	0.000	0.622	0.737	1.199
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:04:45	74840.000	4060.000	0.000	10780.000	38490.000	40510.000	83.946%	520.300
2	00:05:28	76310.000	4181.000	0.000	11130.000	39850.000	40760.000	83.774%	524.600
3	00:06:11	74470.000	4096.000	0.000	11060.000	39430.000	40870.000	83.564%	532.600
X		75210.000	4112.000	0.000	10990.000	39260.000	40710.000	83.761%	525.800
σ		972.400	62.370	0.000	185.400	695.800	180.500	0.191%	6.267
%RSD		1.293	1.517	0.000	1.687	1.772	0.443	0.229	1.192
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:04:45	131.000	159.600	4151.000	193000.000	197000.000	60.960	186.800	140.700
2	00:05:28	132.400	162.700	4273.000	197900.000	201000.000	62.980	191.300	143.100
3	00:06:11	134.700	163.200	4234.000	195900.000	200100.000	62.040	192.700	144.900
X		132.700	161.800	4219.000	195600.000	199400.000	61.990	190.300	142.900
σ		1.885	1.962	62.390	2461.000	2086.000	1.013	3.067	2.091
%RSD		1.421	1.212	1.479	1.258	1.046	1.634	1.612	1.463
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:04:45	141.400	429.600	439.400	103.500	2.241	4.027	0.000	137.100
2	00:05:28	143.400	439.200	445.600	106.000	2.268	4.576	0.000	139.000
3	00:06:11	145.500	443.300	450.200	105.900	2.318	4.714	0.000	140.600
X		143.400	437.400	445.000	105.100	2.276	4.439	0.000	138.900
σ		2.054	7.047	5.408	1.423	0.039	0.363	0.000	1.766
%RSD		1.432	1.611	1.215	1.353	1.708	8.190	0.000	1.271
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:04:45	0.000	8.082	8.002	71.038%	0.532	0.408	2.508	2.008
2	00:05:28	0.000	8.207	8.262	72.284%	0.564	0.424	2.430	1.929
3	00:06:11	0.000	8.329	8.266	72.512%	0.517	0.449	2.501	2.214
X		0.000	8.206	8.177	71.944%	0.538	0.427	2.480	2.051
σ		0.000	0.123	0.151	0.794%	0.024	0.021	0.043	0.147
%RSD		0.000	1.504	1.850	1.103	4.446	4.840	1.748	7.182
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:04:45	71.017%	7.925	0.591	0.603	642.300	641.300	78.969%	78.589%
2	00:05:28	72.409%	8.281	0.615	0.599	654.700	651.700	81.178%	80.998%
3	00:06:11	73.282%	7.820	0.601	0.555	650.800	651.000	82.075%	81.631%
X		72.236%	8.009	0.602	0.586	649.200	648.000	80.741%	80.406%
σ		1.142%	0.241	0.012	0.027	6.351	5.780	1.599%	1.605%
%RSD		1.582	3.014	2.030	4.534	0.978	0.892	1.980	1.996
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:04:45	0.884	0.896	97.160	96.680	96.610	70.739%		
2	00:05:28	0.913	0.900	98.610	98.020	97.960	72.175%		
3	00:06:11	0.883	0.895	98.690	96.890	97.790	73.498%		
X		0.893	0.897	98.150	97.200	97.450	72.137%		
σ		0.017	0.003	0.861	0.719	0.737	1.380%		
%RSD		1.910	0.325	0.877	0.740	0.756	1.913		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb

MB 180-59171/1-A 12/23/2012 12:14:15 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:14:58	89.591%	-0.018	0.214	0.236	0.000	2.039	3.695	4.086
2	00:15:41	89.807%	-0.023	0.258	0.156	0.000	1.665	3.830	4.169
3	00:16:24	87.998%	-0.022	0.170	0.196	0.000	2.252	3.684	4.135
X		89.132%	-0.021	0.214	0.196	0.000	1.985	3.736	4.130
σ		0.988%	0.003	0.044	0.040	0.000	0.297	0.081	0.042
%RSD		1.108	12.970	20.570	20.380	0.000	14.960	2.174	1.010
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:14:58	7.232	-0.842	0.000	-6.500	15.110	12.360	91.222%	0.077
2	00:15:41	6.643	-1.257	0.000	-7.672	13.830	14.910	90.000%	0.011
3	00:16:24	6.974	-0.827	0.000	-7.191	14.480	15.810	87.472%	0.002
X		6.949	-0.975	0.000	-7.121	14.480	14.360	89.565%	0.030
σ		0.295	0.244	0.000	0.589	0.638	1.793	1.913%	0.041
%RSD		4.248	25.020	0.000	8.277	4.411	12.490	2.136	136.200
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:14:58	-0.111	0.092	0.167	30.500	35.510	-0.009	0.013	0.049
2	00:15:41	-0.043	0.105	0.204	19.890	29.670	-0.011	0.011	0.055
3	00:16:24	-0.153	0.097	0.227	19.090	27.220	-0.008	0.024	0.067
X		-0.102	0.098	0.199	23.160	30.800	-0.009	0.016	0.057
σ		0.056	0.007	0.031	6.372	4.257	0.001	0.007	0.009
%RSD		54.500	6.613	15.310	27.510	13.820	13.860	42.890	15.920
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:14:58	0.078	0.039	0.100	-0.448	-0.341	-1.668	0.000	0.050
2	00:15:41	0.045	0.019	-0.077	-0.084	-0.549	-0.764	0.000	0.042
3	00:16:24	0.073	-0.040	0.270	-0.314	-0.536	-1.641	0.000	0.035
X		0.065	0.006	0.098	-0.282	-0.475	-1.358	0.000	0.042
σ		0.018	0.041	0.174	0.184	0.117	0.514	0.000	0.008
%RSD		27.480	711.800	178.100	65.410	24.560	37.900	0.000	17.930
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:14:58	77.660%	0.034	0.026	78.446%	-0.011	-0.014	-0.009	-0.012
2	00:15:41	77.305%	0.019	0.015	77.955%	-0.014	-0.015	-0.051	-0.020
3	00:16:24	78.301%	0.017	0.018	78.082%	-0.013	-0.015	-0.021	-0.030
X		77.755%	0.023	0.020	78.161%	-0.012	-0.015	-0.027	-0.021
σ		0.505%	0.009	0.006	0.255%	0.002	0.001	0.022	0.009
%RSD		0.650	40.070	27.990	0.326	13.660	3.673	80.010	44.260
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:14:58	74.770%	1.855	-0.108	-0.098	0.095	0.099	78.768%	79.717%
2	00:15:41	76.068%	1.631	-0.104	-0.105	0.102	0.094	80.482%	81.608%
3	00:16:24	76.622%	1.941	-0.105	-0.106	0.088	0.134	81.264%	82.253%
X		75.820%	1.809	-0.106	-0.103	0.095	0.109	80.172%	81.193%
σ		0.950%	0.160	0.002	0.004	0.007	0.022	1.277%	1.318%
%RSD		1.253	8.826	2.010	4.033	7.499	20.140	1.593	1.623
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:14:58	-0.004	-0.003	0.111	0.128	0.122	87.063%		
2	00:15:41	-0.007	-0.006	0.127	0.129	0.119	88.570%		
3	00:16:24	-0.007	-0.008	0.123	0.134	0.122	89.623%		
X		-0.006	-0.006	0.120	0.130	0.121	88.419%		
σ		0.001	0.002	0.008	0.003	0.002	1.286%		
%RSD		21.200	42.440	6.898	2.357	1.525	1.455		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:18	78.950%	860.300	80.950	80.970	0.000	8260.000	7771.000	8165.000
2	00:20:01	78.089%	868.400	80.620	82.140	0.000	8269.000	7855.000	8199.000
3	00:20:44	76.177%	873.800	80.980	83.480	0.000	8548.000	8063.000	8518.000
X		77.739%	867.500	80.850	82.200	0.000	8359.000	7896.000	8294.000
σ		1.420%	6.770	0.203	1.256	0.000	163.700	150.300	194.400
%RSD		1.826	0.780	0.252	1.528	0.000	1.959	1.904	2.344
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:18	8136.000	17.060	0.000	8691.000	9500.000	8928.000	78.013%	86.220
2	00:20:01	8137.000	16.330	0.000	8493.000	9366.000	9021.000	78.118%	89.670
3	00:20:44	8397.000	16.620	0.000	8888.000	9867.000	9282.000	75.509%	88.830
X		8223.000	16.670	0.000	8691.000	9578.000	9077.000	77.213%	88.240
σ		150.100	0.370	0.000	197.600	259.600	183.300	1.477%	1.798
%RSD		1.825	2.219	0.000	2.274	2.710	2.019	1.913	2.037
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:18	908.400	917.000	931.900	9458.000	9012.000	905.900	882.600	846.200
2	00:20:01	909.200	912.100	941.000	9369.000	9033.000	894.700	873.000	885.300
3	00:20:44	942.200	954.000	960.500	9622.000	9214.000	921.700	879.200	846.500
X		920.000	927.700	944.500	9483.000	9087.000	907.400	878.300	859.300
σ		19.300	22.880	14.620	128.100	111.100	13.530	4.868	22.460
%RSD		2.098	2.466	1.548	1.351	1.223	1.491	0.554	2.613
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:18	873.500	844.900	857.600	815.400	806.000	817.400	0.000	910.300
2	00:20:01	876.500	852.200	861.700	826.300	816.700	826.200	0.000	926.600
3	00:20:44	894.100	875.200	875.900	831.900	825.400	838.200	0.000	929.800
X		881.400	857.500	865.100	824.500	816.000	827.300	0.000	922.200
σ		11.130	15.790	9.632	8.416	9.701	10.460	0.000	10.460
%RSD		1.262	1.842	1.113	1.021	1.189	1.264	0.000	1.134
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:18	74.217%	86.240	86.370	72.272%	89.360	90.140	861.500	876.500
2	00:20:01	74.427%	88.700	88.860	72.813%	90.280	91.470	863.800	880.700
3	00:20:44	74.505%	89.430	89.510	72.660%	91.160	92.010	877.000	894.700
X		74.383%	88.120	88.240	72.582%	90.270	91.210	867.400	883.900
σ		0.149%	1.669	1.658	0.278%	0.897	0.962	8.384	9.520
%RSD		0.200	1.894	1.879	0.384	0.994	1.055	0.967	1.077
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:18	71.617%	95.390	83.910	83.410	851.400	859.000	75.295%	76.046%
2	00:20:01	73.621%	95.860	83.580	84.010	861.900	864.200	77.226%	78.301%
3	00:20:44	73.326%	96.550	86.020	85.870	874.400	877.600	77.338%	79.094%
X		72.855%	95.930	84.510	84.430	862.600	866.900	76.620%	77.814%
σ		1.082%	0.583	1.326	1.282	11.510	9.641	1.149%	1.581%
%RSD		1.485	0.607	1.569	1.518	1.334	1.112	1.499	2.032
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:19:18	205.200	205.800	825.500	871.500	875.000	76.990%		
2	00:20:01	210.300	209.400	839.100	885.300	887.300	78.789%		
3	00:20:44	213.000	211.500	845.600	891.900	893.900	79.335%		
X		209.500	208.900	836.800	882.900	885.400	78.371%		
σ		3.946	2.886	10.240	10.440	9.602	1.227%		
%RSD		1.883	1.381	1.224	1.182	1.084	1.566		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:38	83.314%	4.788	21.950	22.350	0.000	330.100	21620.000	22600.000
2	00:24:21	81.390%	4.639	22.410	22.270	0.000	312.200	21760.000	22850.000
3	00:25:04	82.124%	4.578	21.440	21.680	0.000	305.500	21010.000	22310.000
x		82.276%	4.668	21.930	22.100	0.000	315.900	21460.000	22590.000
σ		0.971%	0.108	0.486	0.363	0.000	12.700	402.100	270.800
%RSD		1.180	2.313	2.217	1.641	0.000	4.019	1.874	1.199
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:38	72110.000	1978.000	0.000	8983.000	39140.000	40310.000	85.254%	503.900
2	00:24:21	72780.000	1991.000	0.000	8873.000	38800.000	40030.000	84.634%	512.700
3	00:25:04	70830.000	1953.000	0.000	8726.000	38380.000	39740.000	82.436%	508.100
x		71910.000	1974.000	0.000	8861.000	38770.000	40030.000	84.108%	508.300
σ		992.500	19.230	0.000	129.100	381.500	281.600	1.481%	4.421
%RSD		1.380	0.974	0.000	1.457	0.984	0.704	1.761	0.870
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:38	133.900	189.800	3633.000	234000.000	240100.000	87.870	231.300	187.200
2	00:24:21	135.300	191.700	3668.000	237200.000	243000.000	89.610	236.300	191.500
3	00:25:04	136.900	194.900	3643.000	234400.000	240900.000	88.380	233.400	190.200
x		135.400	192.100	3648.000	235200.000	241400.000	88.620	233.700	189.600
σ		1.537	2.580	17.740	1710.000	1505.000	0.898	2.523	2.224
%RSD		1.135	1.343	0.486	0.727	0.624	1.013	1.080	1.173
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:38	188.400	582.400	590.400	160.500	5.756	7.418	0.000	127.800
2	00:24:21	192.000	591.500	603.200	161.900	4.447	6.160	0.000	130.800
3	00:25:04	190.500	593.000	606.100	162.400	3.575	6.228	0.000	130.200
x		190.300	589.000	599.900	161.600	4.593	6.602	0.000	129.600
σ		1.818	5.725	8.384	0.998	1.097	0.708	0.000	1.568
%RSD		0.955	0.972	1.398	0.618	23.900	10.720	0.000	1.210
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:38	0.000	10.390	10.420	72.632%	0.235	0.125	2.062	1.622
2	00:24:21	0.000	10.170	10.380	73.459%	0.226	0.115	2.145	1.759
3	00:25:04	0.000	10.250	10.270	73.165%	0.238	0.120	1.987	1.644
x		0.000	10.270	10.350	73.085%	0.233	0.120	2.065	1.675
σ		0.000	0.113	0.080	0.419%	0.006	0.005	0.079	0.074
%RSD		0.000	1.100	0.769	0.573	2.689	4.240	3.832	4.390
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:38	72.714%	7.455	1.345	1.378	468.500	466.300	80.919%	80.184%
2	00:24:21	74.255%	7.267	1.195	1.169	469.700	472.000	82.840%	81.627%
3	00:25:04	74.234%	7.218	1.250	1.177	469.800	467.800	83.259%	82.889%
x		73.734%	7.313	1.264	1.241	469.300	468.700	82.340%	81.567%
σ		0.883%	0.125	0.076	0.119	0.735	2.930	1.248%	1.353%
%RSD		1.198	1.711	6.009	9.556	0.157	0.625	1.515	1.659
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:23:38	1.933	1.903	149.100	146.500	147.500	72.090%		
2	00:24:21	1.655	1.624	149.800	148.500	148.700	74.157%		
3	00:25:04	1.443	1.465	148.800	147.900	147.800	75.089%		
x		1.677	1.664	149.200	147.600	148.000	73.779%		
σ		0.246	0.222	0.539	1.050	0.615	1.535%		
%RSD		14.670	13.350	0.361	0.712	0.416	2.080		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:59	85.552%	0.877	5.061	4.788	0.000	63.610	4418.000	4614.000
2	00:28:42	83.426%	1.015	4.953	4.908	0.000	63.830	4358.000	4696.000
3	00:29:25	81.083%	0.994	4.743	4.896	0.000	65.430	4567.000	4851.000
X		83.354%	0.962	4.919	4.864	0.000	64.290	4448.000	4720.000
σ		2.235%	0.075	0.162	0.066	0.000	0.990	107.700	120.100
%RSD		2.682	7.768	3.287	1.359	0.000	1.540	2.421	2.545
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:59	14920.000	403.300	0.000	1808.000	7926.000	7749.000	85.532%	102.100
2	00:28:42	14940.000	407.900	0.000	1823.000	8080.000	7917.000	82.722%	103.600
3	00:29:25	15510.000	424.100	0.000	1848.000	8323.000	8018.000	81.220%	107.000
X		15120.000	411.800	0.000	1826.000	8110.000	7895.000	83.158%	104.200
σ		334.400	10.940	0.000	20.420	200.400	135.800	2.189%	2.464
%RSD		2.211	2.658	0.000	1.118	2.471	1.720	2.632	2.364
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:59	26.950	38.510	733.400	49110.000	48560.000	17.650	46.950	38.250
2	00:28:42	26.610	38.900	744.400	50050.000	48620.000	17.390	47.400	38.140
3	00:29:25	27.910	39.760	753.300	51060.000	49800.000	17.560	47.800	39.360
X		27.160	39.060	743.700	50080.000	49000.000	17.530	47.380	38.590
σ		0.673	0.640	10.010	975.900	698.300	0.129	0.423	0.674
%RSD		2.478	1.639	1.345	1.949	1.425	0.734	0.894	1.747
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:59	38.090	127.500	127.200	32.740	0.277	-1.190	0.000	22.260
2	00:28:42	38.620	128.800	127.500	32.660	0.107	-0.645	0.000	22.330
3	00:29:25	39.290	131.100	132.700	33.280	0.261	-1.351	0.000	23.010
X		38.670	129.100	129.100	32.890	0.215	-1.062	0.000	22.530
σ		0.598	1.828	3.082	0.340	0.094	0.370	0.000	0.413
%RSD		1.546	1.415	2.387	1.033	43.730	34.850	0.000	1.835
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:59	92.520%	1.823	1.883	80.779%	0.028	0.008	0.448	0.393
2	00:28:42	92.469%	1.814	1.955	80.867%	0.031	0.022	0.410	0.347
3	00:29:25	92.002%	1.920	1.860	78.957%	0.026	0.016	0.348	0.301
X		92.330%	1.852	1.899	80.201%	0.028	0.015	0.402	0.347
σ		0.285%	0.059	0.050	1.078%	0.002	0.007	0.051	0.046
%RSD		0.309	3.188	2.622	1.344	8.658	46.000	12.660	13.140
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:59	78.558%	0.918	0.168	0.163	96.060	95.970	82.825%	82.955%
2	00:28:42	79.142%	0.978	0.193	0.193	97.750	97.030	84.300%	85.213%
3	00:29:25	78.535%	0.920	0.178	0.181	97.450	99.940	84.628%	85.070%
X		78.745%	0.939	0.180	0.179	97.090	97.650	83.918%	84.413%
σ		0.344%	0.034	0.013	0.015	0.905	2.054	0.960%	1.264%
%RSD		0.437	3.647	7.049	8.516	0.932	2.103	1.144	1.497
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:27:59	0.334	0.348	28.400	28.230	28.260	84.583%		
2	00:28:42	0.314	0.327	29.100	28.690	28.710	86.879%		
3	00:29:25	0.313	0.304	29.720	29.420	29.440	86.307%		
X		0.321	0.326	29.070	28.780	28.800	85.923%		
σ		0.012	0.022	0.659	0.601	0.593	1.195%		
%RSD		3.599	6.704	2.268	2.090	2.060	1.391		

240-17796-F-26-B DU 12/23/2012 12:31:37 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:20	82.360%	4.729	22.990	23.740	0.000	378.800	22790.000	23800.000
2	00:33:03	80.122%	4.871	23.710	24.480	0.000	375.600	22680.000	23670.000
3	00:33:46	81.156%	4.884	23.660	24.050	0.000	375.700	22980.000	24230.000
X		81.212%	4.828	23.450	24.090	0.000	376.700	22810.000	23900.000
σ		1.120%	0.086	0.398	0.374	0.000	1.849	150.100	290.100
%RSD		1.379	1.781	1.696	1.552	0.000	0.491	0.658	1.214
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:20	74950.000	2515.000	0.000	9157.000	47640.000	49010.000	85.518%	586.000
2	00:33:03	73930.000	2513.000	0.000	9281.000	47910.000	49760.000	84.773%	594.100
3	00:33:46	75690.000	2528.000	0.000	9413.000	48760.000	50270.000	83.432%	596.000
X		74860.000	2518.000	0.000	9284.000	48100.000	49680.000	84.575%	592.000
σ		884.600	8.024	0.000	128.100	585.800	632.900	1.057%	5.294
%RSD		1.182	0.319	0.000	1.380	1.218	1.274	1.250	0.894
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:20	134.700	181.900	3634.000	226400.000	232900.000	88.050	225.900	185.600
2	00:33:03	138.100	182.200	3691.000	229900.000	236700.000	88.870	230.500	188.800
3	00:33:46	138.900	185.000	3779.000	234100.000	237500.000	89.970	232.900	190.400
X		137.200	183.000	3701.000	230100.000	235700.000	88.960	229.800	188.300
σ		2.227	1.756	72.970	3882.000	2439.000	0.963	3.585	2.409
%RSD		1.623	0.959	1.972	1.687	1.035	1.082	1.560	1.280
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:20	186.700	579.200	592.100	160.500	2.925	5.106	0.000	161.200
2	00:33:03	189.300	590.600	602.700	163.400	3.022	5.242	0.000	165.500
3	00:33:46	191.500	594.800	605.600	165.000	2.869	5.437	0.000	167.500
X		189.200	588.200	600.100	163.000	2.939	5.262	0.000	164.800
σ		2.402	8.056	7.132	2.287	0.078	0.166	0.000	3.220
%RSD		1.270	1.369	1.188	1.404	2.645	3.156	0.000	1.955
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:20	0.000	10.280	10.040	73.257%	0.244	0.110	2.161	1.875
2	00:33:03	0.000	10.400	10.230	73.256%	0.219	0.135	2.176	1.809
3	00:33:46	0.000	10.650	10.710	73.504%	0.218	0.134	2.046	1.715
X		0.000	10.440	10.330	73.339%	0.227	0.126	2.127	1.799
σ		0.000	0.186	0.347	0.143%	0.015	0.014	0.071	0.081
%RSD		0.000	1.781	3.364	0.195	6.611	11.240	3.341	4.478
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:20	73.149%	7.939	1.219	1.228	477.300	479.000	81.432%	80.330%
2	00:33:03	74.048%	7.972	1.318	1.229	482.000	483.500	83.555%	82.000%
3	00:33:46	74.168%	7.817	1.324	1.262	491.600	488.200	83.351%	81.818%
X		73.788%	7.909	1.287	1.240	483.600	483.600	82.779%	81.383%
σ		0.557%	0.082	0.058	0.020	7.265	4.617	1.172%	0.916%
%RSD		0.755	1.032	4.545	1.575	1.502	0.955	1.415	1.126
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:32:20	1.173	1.158	147.400	147.100	146.700	72.308%		
2	00:33:03	1.195	1.161	148.400	148.100	148.100	74.125%		
3	00:33:46	1.137	1.150	149.900	148.200	148.700	74.592%		
X		1.168	1.156	148.600	147.800	147.800	73.675%		
σ		0.029	0.005	1.229	0.624	1.046	1.207%		
%RSD		2.500	0.475	0.827	0.422	0.708	1.638		

240-17796-F-26-C MS 12/23/2012 12:35:58 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:41	76.905%	86.780	94.110	92.520	0.000	8602.000	30990.000	32100.000
2	00:37:24	75.156%	86.870	92.370	95.400	0.000	8566.000	31560.000	32180.000
3	00:38:07	72.642%	87.490	95.600	96.200	0.000	8613.000	31430.000	32530.000
x		74.901%	87.050	94.030	94.700	0.000	8594.000	31330.000	32270.000
σ		2.143%	0.383	1.620	1.934	0.000	24.470	301.300	228.800
%RSD		2.861	0.440	1.723	2.042	0.000	0.285	0.962	0.709
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:41	88130.000	3613.000	0.000	17600.000	43210.000	44080.000	81.420%	696.700
2	00:37:24	88300.000	3624.000	0.000	17560.000	42730.000	44610.000	78.816%	712.600
3	00:38:07	88780.000	3618.000	0.000	17640.000	44200.000	45050.000	77.041%	712.200
x		88400.000	3618.000	0.000	17600.000	43380.000	44580.000	79.092%	707.200
σ		336.700	5.651	0.000	42.330	750.400	489.000	2.203%	9.062
%RSD		0.381	0.156	0.000	0.240	1.730	1.097	2.785	1.281
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:41	228.800	285.300	3966.000	252800.000	261200.000	181.800	338.100	285.000
2	00:37:24	237.100	292.700	4091.000	258700.000	262700.000	182.300	339.300	288.500
3	00:38:07	236.200	293.200	4099.000	258100.000	264900.000	182.100	335.400	284.500
x		234.000	290.400	4052.000	256500.000	262900.000	182.100	337.600	286.000
σ		4.569	4.437	74.760	3227.000	1841.000	0.244	1.975	2.196
%RSD		1.952	1.528	1.845	1.258	0.700	0.134	0.585	0.768
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:41	285.200	683.300	699.500	245.700	73.610	78.960	0.000	232.300
2	00:37:24	290.100	706.300	720.500	249.900	74.690	79.430	0.000	237.700
3	00:38:07	286.400	699.200	712.000	246.800	72.470	79.120	0.000	235.500
x		287.200	696.300	710.700	247.400	73.590	79.170	0.000	235.200
σ		2.577	11.780	10.580	2.169	1.112	0.238	0.000	2.736
%RSD		0.897	1.693	1.489	0.877	1.511	0.301	0.000	1.164
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:41	0.000	98.780	99.140	64.390%	84.750	84.610	80.260	78.840
2	00:37:24	0.000	101.400	101.900	64.241%	86.440	85.710	81.500	80.290
3	00:38:07	0.000	99.480	100.500	64.138%	85.700	85.480	81.640	79.350
x		0.000	99.880	100.500	64.256%	85.630	85.270	81.130	79.490
σ		0.000	1.350	1.359	0.127%	0.849	0.581	0.763	0.736
%RSD		0.000	1.351	1.352	0.197	0.991	0.681	0.941	0.926
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:41	71.031%	80.040	23.740	23.930	563.700	562.000	77.872%	77.421%
2	00:37:24	71.327%	81.000	24.450	24.370	566.500	566.200	79.938%	79.320%
3	00:38:07	71.376%	81.190	24.370	24.130	567.600	565.300	80.659%	79.873%
x		71.245%	80.740	24.180	24.140	565.900	564.500	79.490%	78.871%
σ		0.187%	0.617	0.388	0.221	2.004	2.215	1.446%	1.286%
%RSD		0.263	0.764	1.604	0.916	0.354	0.392	1.820	1.631
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:36:41	80.610	81.100	237.500	240.500	238.600	65.879%		
2	00:37:24	82.210	82.770	242.200	244.500	242.800	67.084%		
3	00:38:07	82.130	82.290	239.300	242.700	240.600	68.031%		
x		81.650	82.050	239.700	242.600	240.700	66.998%		
σ		0.900	0.856	2.369	2.016	2.077	1.079%		
%RSD		1.102	1.043	0.989	0.831	0.863	1.610		

240-17796-F-26-A PDS

12/23/2012 12:40:18 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:01	73.625%	50.770	895.800	900.600	0.000	42370.000	60360.000	61640.000
2	00:41:44	74.597%	49.470	866.900	872.700	0.000	40120.000	58370.000	61440.000
3	00:42:27	72.182%	49.770	883.500	892.100	0.000	40420.000	57980.000	60610.000
x		73.468%	50.000	882.100	888.400	0.000	40970.000	58900.000	61230.000
σ		1.215%	0.678	14.540	14.280	0.000	1221.000	1274.000	543.300
%RSD		1.654	1.357	1.648	1.607	0.000	2.981	2.164	0.887
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:01	72330.000	10350.000	0.000	50840.000	80900.000	82670.000	78.881%	1346.000
2	00:41:44	72610.000	10280.000	0.000	50820.000	80860.000	83390.000	76.601%	1358.000
3	00:42:27	70910.000	10060.000	0.000	48710.000	78820.000	80690.000	77.055%	1333.000
x		71950.000	10230.000	0.000	50120.000	80190.000	82250.000	77.512%	1346.000
σ		909.200	148.200	0.000	1226.000	1190.000	1397.000	1.207%	12.900
%RSD		1.264	1.449	0.000	2.446	1.483	1.698	1.557	0.959
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:01	643.700	379.500	4036.000	232600.000	238500.000	586.200	686.000	416.600
2	00:41:44	648.000	386.200	4156.000	235800.000	241800.000	594.400	702.200	420.300
3	00:42:27	629.300	375.200	4029.000	232700.000	237000.000	577.600	682.800	409.600
x		640.300	380.300	4074.000	233700.000	239100.000	586.100	690.300	415.500
σ		9.794	5.558	71.330	1814.000	2444.000	8.435	10.410	5.408
%RSD		1.529	1.462	1.751	0.776	1.022	1.439	1.507	1.302
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:01	418.900	1025.000	1045.000	198.300	12.590	15.280	0.000	1232.000
2	00:41:44	426.300	1052.000	1067.000	202.600	12.520	16.210	0.000	1265.000
3	00:42:27	412.300	1015.000	1034.000	196.400	12.260	14.670	0.000	1228.000
x		419.200	1030.000	1048.000	199.100	12.460	15.390	0.000	1242.000
σ		7.023	18.940	16.690	3.169	0.172	0.774	0.000	20.240
%RSD		1.675	1.838	1.592	1.592	1.383	5.028	0.000	1.630
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:01	0.000	991.700	999.400	61.748%	50.430	50.070	51.220	44.400
2	00:41:44	0.000	1022.000	1028.000	61.301%	51.420	51.230	51.430	44.780
3	00:42:27	0.000	997.600	1003.000	61.924%	50.280	49.750	50.170	43.360
x		0.000	1004.000	1010.000	61.658%	50.710	50.350	50.940	44.180
σ		0.000	15.800	15.980	0.321%	0.620	0.778	0.676	0.734
%RSD		0.000	1.575	1.582	0.521	1.223	1.545	1.328	1.660
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:01	64.333%	1969.000	427.100	421.100	2344.000	2345.000	76.759%	75.975%
2	00:41:44	65.075%	1975.000	432.800	427.200	2385.000	2376.000	77.746%	77.542%
3	00:42:27	66.209%	1924.000	420.700	417.300	2308.000	2297.000	80.093%	79.254%
x		65.206%	1956.000	426.900	421.800	2346.000	2340.000	78.199%	77.590%
σ		0.945%	27.770	6.084	5.006	38.490	39.580	1.713%	1.640%
%RSD		1.449	1.420	1.425	1.187	1.641	1.692	2.190	2.114
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:41:01	49.450	49.890	169.200	168.200	168.300	65.695%		
2	00:41:44	50.800	51.030	173.100	171.800	172.100	66.582%		
3	00:42:27	48.670	48.940	165.800	164.500	165.000	69.256%		
x		49.640	49.950	169.400	168.200	168.500	67.177%		
σ		1.076	1.044	3.654	3.650	3.565	1.853%		
%RSD		2.168	2.089	2.157	2.170	2.116	2.759		

CCV 664806 12/23/2012 12:47:29 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:48:12	71.563%	102.100	100.600	100.100	0.000	47760.000	44460.000	45550.000
2	00:48:55	71.280%	102.500	98.320	100.100	0.000	47030.000	43810.000	45900.000
3	00:49:38	68.673%	105.000	101.900	105.900	0.000	48380.000	45160.000	46380.000
x		70.505%	103.226%	100.297%	102.026%	0.000	95.444%	88.951%	91.885%
σ		1.593%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.259	1.524	1.818	3.296	0.000	1.422	1.510	0.913
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:48:12	462.000	4972.000	0.000	48050.000	47580.000	49450.000	77.441%	98.040
2	00:48:55	464.600	4937.000	0.000	47990.000	47910.000	49330.000	76.429%	100.000
3	00:49:38	466.400	5019.000	0.000	49360.000	49860.000	51810.000	74.229%	102.000
x		92.866%	99.520%	0.000	96.931%	96.899%	100.393%	76.033%	100.015%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.642%	n/a
%RSD		0.480	0.823	0.000	1.591	2.548	2.783	2.160	1.969
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:48:12	96.800	96.120	512.300	25570.000	25220.000	94.480	93.680	93.100
2	00:48:55	97.290	95.930	514.700	25610.000	25310.000	94.650	93.160	94.030
3	00:49:38	99.600	98.900	521.400	25820.000	25750.000	95.010	95.620	95.420
x		97.898%	96.981%	103.226%	102.663%	101.712%	94.714%	94.154%	94.182%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.530	1.712	0.920	0.522	1.125	0.289	1.375	1.236
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:48:12	93.420	97.810	98.190	95.590	98.140	97.770	0.000	93.870
2	00:48:55	94.090	98.790	98.930	95.290	99.160	99.840	0.000	93.930
3	00:49:38	94.800	101.500	101.700	97.030	103.000	100.500	0.000	95.200
x		94.106%	99.360%	99.601%	95.967%	100.112%	99.374%	0.000	94.335%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.733	1.913	1.848	0.969	2.575	1.434	0.000	0.796
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:48:12	76.596%	93.310	93.680	72.561%	93.910	94.950	97.950	99.710
2	00:48:55	77.527%	95.770	97.120	72.050%	94.840	95.980	98.250	100.200
3	00:49:38	77.378%	98.770	99.280	72.216%	96.480	98.090	100.600	102.500
x		77.167%	95.951%	96.692%	72.276%	95.076%	96.341%	98.915%	100.797%
σ		0.500%	n/a	n/a	0.261%	n/a	n/a	n/a	n/a
%RSD		0.648	2.852	2.920	0.361	1.368	1.658	1.443	1.474
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:48:12	70.324%	97.800	96.920	96.470	96.120	96.350	72.587%	73.462%
2	00:48:55	71.610%	98.180	97.860	97.720	95.940	96.420	74.978%	75.913%
3	00:49:38	71.807%	100.400	99.610	98.770	97.840	99.150	74.764%	76.371%
x		71.247%	98.791%	98.129%	97.653%	96.633%	97.304%	74.110%	75.249%
σ		0.806%	n/a	n/a	n/a	n/a	n/a	1.323%	1.564%
%RSD		1.131	1.413	1.392	1.176	1.088	1.640	1.786	2.079
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:48:12	92.730	92.610	93.230	92.480	92.390	73.769%		
2	00:48:55	94.310	94.310	95.130	94.350	94.360	75.312%		
3	00:49:38	96.210	95.710	96.080	96.110	95.960	75.672%		
x		94.414%	94.209%	94.812%	94.315%	94.238%	74.918%		
σ		n/a	n/a	n/a	n/a	n/a	1.011%		
%RSD		1.846	1.649	1.533	1.925	1.899	1.350		

CCB7 12/23/2012 12:55:26 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:09	94.356%	0.004	2.296	1.840	0.000	1.718	2.848	3.311
2	00:56:51	94.857%	-0.019	1.663	1.743	0.000	1.356	3.111	3.516
3	00:57:34	93.098%	-0.029	1.592	1.657	0.000	1.498	3.569	3.238
X		94.103%	-0.015	1.851	1.747	0.000	1.524	3.176	3.355
σ		0.906%	0.017	0.388	0.091	0.000	0.183	0.365	0.144
%RSD		0.963	114.000	20.950	5.236	0.000	11.980	11.480	4.303
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:09	0.387	-2.890	0.000	-5.817	-3.207	3.835	93.815%	0.002
2	00:56:51	0.400	-3.377	0.000	-8.663	7.838	1.589	91.541%	-0.062
3	00:57:34	0.548	-3.035	0.000	-7.837	4.419	4.194	89.892%	-0.024
X		0.445	-3.100	0.000	-7.439	3.017	3.206	91.750%	-0.028
σ		0.089	0.250	0.000	1.464	5.655	1.412	1.970%	0.032
%RSD		20.100	8.058	0.000	19.680	187.400	44.030	2.147	114.200
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:09	-0.011	-0.000	0.368	4.391	12.510	-0.001	-0.016	-0.043
2	00:56:51	-0.006	-0.022	0.336	0.728	8.196	0.003	-0.022	-0.056
3	00:57:34	-0.013	-0.019	0.347	-0.125	7.680	0.005	-0.022	-0.053
X		-0.010	-0.014	0.350	1.665	9.463	0.002	-0.020	-0.051
σ		0.004	0.012	0.017	2.399	2.653	0.003	0.004	0.007
%RSD		38.070	85.210	4.711	144.100	28.040	137.200	17.890	12.950
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:09	-0.043	-0.508	-0.378	-0.380	-0.348	-1.627	0.000	0.011
2	00:56:51	-0.041	-0.618	-0.478	-0.352	-0.379	-1.648	0.000	0.013
3	00:57:34	-0.048	-0.549	-0.430	-0.434	-0.477	-1.817	0.000	0.018
X		-0.044	-0.558	-0.429	-0.389	-0.402	-1.697	0.000	0.014
σ		0.004	0.056	0.050	0.042	0.067	0.104	0.000	0.004
%RSD		8.363	9.979	11.710	10.700	16.790	6.116	0.000	29.100
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:09	80.719%	0.334	0.322	90.352%	0.001	-0.004	-0.049	-0.021
2	00:56:51	80.991%	0.267	0.253	90.614%	-0.001	0.000	-0.053	-0.025
3	00:57:34	81.779%	0.232	0.233	91.292%	-0.003	-0.009	-0.069	-0.045
X		81.163%	0.278	0.270	90.753%	-0.001	-0.004	-0.057	-0.030
σ		0.551%	0.052	0.047	0.485%	0.002	0.005	0.011	0.013
%RSD		0.678	18.670	17.430	0.535	180.200	112.300	18.530	42.520
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:09	80.768%	-0.220	-0.027	-0.060	0.009	0.013	79.205%	80.368%
2	00:56:51	82.197%	-0.257	-0.043	-0.058	-0.002	0.016	81.381%	82.771%
3	00:57:34	82.951%	-0.347	-0.053	-0.058	0.001	0.024	82.111%	83.186%
X		81.972%	-0.275	-0.041	-0.059	0.003	0.018	80.899%	82.109%
σ		1.108%	0.066	0.013	0.001	0.006	0.006	1.512%	1.522%
%RSD		1.352	23.900	32.280	1.995	206.900	33.500	1.869	1.853
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:56:09	0.052	0.056	0.100	0.111	0.103	90.115%		
2	00:56:51	0.052	0.052	0.093	0.080	0.085	91.971%		
3	00:57:34	0.047	0.047	0.072	0.093	0.081	92.936%		
X		0.050	0.052	0.088	0.094	0.090	91.674%		
σ		0.003	0.005	0.014	0.015	0.012	1.434%		
%RSD		6.183	9.290	16.190	16.290	13.120	1.564		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:29	82.225%	7.863	52.410	52.000	0.000	645.200	32360.000	33570.000
2	01:01:12	79.885%	8.421	55.270	52.610	0.000	670.600	33130.000	34670.000
3	01:01:55	78.287%	7.822	51.800	52.000	0.000	629.600	31760.000	33540.000
X		80.132%	8.035	53.160	52.210	0.000	648.500	32420.000	33930.000
σ		1.981%	0.334	1.851	0.353	0.000	20.720	688.100	644.500
%RSD		2.472	4.161	3.482	0.676	0.000	3.195	2.122	1.900
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:29	107600.000	6163.000	0.000	11870.000	93450.000	96620.000	86.095%	898.700
2	01:01:12	111300.000	6456.000	0.000	12040.000	95800.000	99520.000	85.050%	922.900
3	01:01:55	108000.000	6157.000	0.000	11490.000	91920.000	95070.000	83.608%	880.700
X		109000.000	6259.000	0.000	11800.000	93720.000	97070.000	84.917%	900.800
σ		2009.000	171.400	0.000	286.000	1956.000	2260.000	1.249%	21.160
%RSD		1.843	2.738	0.000	2.423	2.087	2.328	1.470	2.349
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:29	196.200	247.100	6717.000	258100.000	265700.000	101.100	273.500	277.700
2	01:01:12	202.100	252.000	6859.000	260800.000	270500.000	104.900	281.400	286.500
3	01:01:55	193.900	248.200	6696.000	255700.000	266100.000	101.400	278.000	277.900
X		197.400	249.100	6757.000	258200.000	267400.000	102.500	277.700	280.700
σ		4.224	2.518	88.840	2544.000	2643.000	2.129	3.980	4.990
%RSD		2.140	1.011	1.315	0.985	0.988	2.078	1.433	1.778
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:29	281.700	675.400	683.600	214.800	5.039	8.580	0.000	335.900
2	01:01:12	290.400	693.900	708.700	219.300	5.312	9.406	0.000	346.400
3	01:01:55	280.800	676.000	688.800	211.200	4.973	8.120	0.000	336.400
X		284.300	681.700	693.700	215.100	5.108	8.702	0.000	339.600
σ		5.255	10.520	13.250	4.031	0.179	0.652	0.000	5.962
%RSD		1.848	1.544	1.910	1.874	3.513	7.489	0.000	1.756
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:29	0.000	16.660	16.880	69.578%	0.354	0.228	2.648	2.195
2	01:01:12	0.000	17.010	17.260	70.091%	0.355	0.234	2.994	2.383
3	01:01:55	0.000	16.620	16.550	71.185%	0.370	0.222	2.863	2.379
X		0.000	16.760	16.900	70.285%	0.360	0.228	2.835	2.319
σ		0.000	0.215	0.356	0.821%	0.009	0.006	0.174	0.107
%RSD		0.000	1.284	2.104	1.168	2.572	2.632	6.151	4.631
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:29	70.261%	12.980	2.447	2.495	937.700	938.800	78.451%	77.333%
2	01:01:12	70.595%	11.760	2.518	2.526	969.300	962.500	79.461%	78.726%
3	01:01:55	72.323%	10.990	2.396	2.369	926.400	924.300	81.256%	80.678%
X		71.059%	11.910	2.454	2.463	944.500	941.900	79.722%	78.912%
σ		1.107%	0.999	0.061	0.083	22.280	19.270	1.421%	1.680%
%RSD		1.558	8.390	2.495	3.370	2.359	2.046	1.782	2.130
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:00:29	1.650	1.674	172.700	171.200	171.700	68.132%		
2	01:01:12	1.706	1.743	177.300	175.500	176.100	68.850%		
3	01:01:55	1.670	1.666	171.700	169.000	169.600	71.051%		
X		1.676	1.694	173.900	171.900	172.400	69.344%		
σ		0.029	0.042	3.023	3.324	3.304	1.521%		
%RSD		1.704	2.484	1.738	1.934	1.916	2.193		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:48	80.392%	6.911	43.260	42.360	0.000	632.200	29850.000	30970.000
2	01:05:31	79.906%	7.135	44.050	44.210	0.000	626.000	29880.000	31190.000
3	01:06:14	80.220%	6.839	42.660	43.850	0.000	626.700	29850.000	31050.000
X		80.173%	6.962	43.320	43.470	0.000	628.300	29860.000	31070.000
σ		0.246%	0.154	0.698	0.979	0.000	3.369	14.800	114.000
%RSD		0.307	2.213	1.611	2.252	0.000	0.536	0.050	0.367
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:48	98990.000	3215.000	0.000	9093.000	81290.000	83290.000	84.666%	772.500
2	01:05:31	100700.000	3242.000	0.000	9169.000	81750.000	84180.000	83.315%	785.000
3	01:06:14	98360.000	3176.000	0.000	9104.000	82660.000	84620.000	82.708%	781.700
X		99350.000	3211.000	0.000	9122.000	81900.000	84030.000	83.563%	779.800
σ		1214.000	33.320	0.000	41.270	696.700	678.800	1.002%	6.487
%RSD		1.222	1.038	0.000	0.452	0.851	0.808	1.199	0.832
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:48	186.600	197.400	6414.000	229400.000	234800.000	88.910	206.800	160.400
2	01:05:31	188.100	198.300	6449.000	229600.000	234600.000	89.370	207.900	162.000
3	01:06:14	187.600	201.100	6524.000	230900.000	238000.000	91.600	208.600	162.600
X		187.500	198.900	6463.000	229900.000	235800.000	89.960	207.800	161.700
σ		0.757	1.981	56.230	814.400	1903.000	1.440	0.885	1.137
%RSD		0.404	0.996	0.870	0.354	0.807	1.601	0.426	0.703
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:48	163.000	627.300	640.700	137.100	4.417	6.984	0.000	264.300
2	01:05:31	163.800	637.900	649.700	135.800	4.473	7.463	0.000	268.000
3	01:06:14	163.400	640.300	650.200	138.100	5.066	6.700	0.000	269.400
X		163.400	635.100	646.900	137.000	4.652	7.049	0.000	267.200
σ		0.405	6.923	5.346	1.163	0.359	0.386	0.000	2.664
%RSD		0.248	1.090	0.826	0.849	7.726	5.469	0.000	0.997
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:48	0.000	11.370	11.490	71.060%	0.411	0.329	2.329	1.841
2	01:05:31	0.000	11.630	11.370	71.414%	0.411	0.308	2.260	1.774
3	01:06:14	0.000	11.670	11.390	72.040%	0.401	0.336	2.437	2.076
X		0.000	11.560	11.420	71.504%	0.408	0.324	2.342	1.897
σ		0.000	0.159	0.067	0.496%	0.006	0.014	0.089	0.159
%RSD		0.000	1.375	0.588	0.694	1.354	4.420	3.797	8.357
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:48	71.569%	71.020	1.251	1.369	790.200	789.900	76.597%	75.953%
2	01:05:31	72.845%	71.260	1.240	1.347	788.800	792.400	79.263%	78.367%
3	01:06:14	72.729%	71.930	1.341	1.317	805.400	805.600	78.533%	78.539%
X		72.381%	71.400	1.277	1.344	794.800	796.000	78.131%	77.620%
σ		0.706%	0.474	0.055	0.026	9.246	8.446	1.378%	1.446%
%RSD		0.975	0.664	4.322	1.937	1.163	1.061	1.764	1.863
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:04:48	1.435	1.447	298.400	296.000	296.600	69.440%		
2	01:05:31	1.434	1.412	301.700	301.000	300.100	71.009%		
3	01:06:14	1.448	1.459	305.200	304.800	304.300	70.951%		
X		1.439	1.439	301.800	300.600	300.300	70.467%		
σ		0.007	0.024	3.405	4.370	3.860	0.890%		
%RSD		0.513	1.697	1.128	1.454	1.285	1.263		

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12/23/2012 1:08:24 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:07	83.299%	3.775	23.850	24.160	0.000	287.100	15460.000	16240.000
2	01:09:50	84.113%	3.740	22.750	24.240	0.000	289.300	15340.000	16260.000
3	01:10:33	81.522%	3.782	23.400	24.390	0.000	284.800	15830.000	16530.000
X		82.978%	3.765	23.330	24.260	0.000	287.100	15540.000	16340.000
σ		1.325%	0.023	0.554	0.119	0.000	2.253	253.800	164.500
%RSD		1.597	0.603	2.376	0.492	0.000	0.785	1.633	1.006
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:07	67590.000	2146.000	0.000	6333.000	29920.000	30930.000	84.688%	541.100
2	01:09:50	67740.000	2124.000	0.000	6328.000	29810.000	31430.000	84.495%	550.700
3	01:10:33	69050.000	2166.000	0.000	6370.000	30670.000	31580.000	83.024%	553.200
X		68130.000	2145.000	0.000	6344.000	30130.000	31310.000	84.069%	548.300
σ		803.300	21.100	0.000	23.060	470.200	338.200	0.910%	6.413
%RSD		1.179	0.984	0.000	0.364	1.560	1.080	1.082	1.169
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:07	140.500	177.200	3549.000	162900.000	164300.000	53.900	143.700	126.100
2	01:09:50	143.600	178.700	3622.000	165600.000	167600.000	55.310	142.900	126.400
3	01:10:33	145.900	181.800	3658.000	166800.000	169500.000	55.240	143.400	127.000
X		143.300	179.200	3610.000	165100.000	167100.000	54.810	143.400	126.500
σ		2.725	2.314	55.310	1996.000	2657.000	0.794	0.412	0.443
%RSD		1.902	1.291	1.532	1.209	1.589	1.448	0.287	0.350
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:07	126.800	380.600	389.300	98.280	3.098	3.859	0.000	103.000
2	01:09:50	126.400	384.400	387.300	99.240	3.178	4.304	0.000	105.500
3	01:10:33	126.600	385.300	392.200	99.720	3.256	4.396	0.000	107.200
X		126.600	383.400	389.600	99.080	3.178	4.186	0.000	105.200
σ		0.185	2.505	2.452	0.736	0.079	0.287	0.000	2.119
%RSD		0.146	0.653	0.629	0.742	2.483	6.863	0.000	2.014
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:07	0.000	8.653	8.561	75.094%	0.204	0.159	1.239	1.051
2	01:09:50	0.000	8.922	9.086	74.898%	0.203	0.166	1.317	1.132
3	01:10:33	0.000	8.850	9.060	74.456%	0.194	0.162	1.351	1.101
X		0.000	8.809	8.902	74.816%	0.200	0.162	1.302	1.095
σ		0.000	0.139	0.296	0.327%	0.006	0.003	0.057	0.041
%RSD		0.000	1.582	3.321	0.437	2.766	1.951	4.392	3.737
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:07	73.891%	8.057	0.716	0.661	376.700	374.600	78.674%	78.517%
2	01:09:50	74.738%	8.025	0.645	0.638	379.000	379.700	80.256%	80.345%
3	01:10:33	74.560%	7.898	0.678	0.720	382.500	382.600	80.706%	80.344%
X		74.396%	7.993	0.679	0.673	379.400	378.900	79.879%	79.735%
σ		0.447%	0.084	0.036	0.042	2.950	4.056	1.067%	1.055%
%RSD		0.600	1.050	5.239	6.247	0.777	1.070	1.336	1.323
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:09:07	1.086	1.054	134.900	133.500	133.700	74.825%		
2	01:09:50	1.091	1.067	137.400	135.700	136.300	75.884%		
3	01:10:33	1.081	1.111	138.700	138.300	137.500	75.714%		
X		1.086	1.077	137.000	135.800	135.800	75.474%		
σ		0.005	0.030	1.929	2.402	1.984	0.568%		
%RSD		0.470	2.799	1.408	1.768	1.461	0.753		

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12/23/2012 1:12:44 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:27	81.209%	4.699	26.160	26.170	0.000	379.900	24120.000	24810.000
2	01:14:10	77.943%	4.742	27.230	26.610	0.000	382.900	23670.000	24730.000
3	01:14:53	75.913%	4.295	26.770	26.500	0.000	366.600	23060.000	24520.000
X		78.355%	4.578	26.720	26.430	0.000	376.500	23620.000	24690.000
σ		2.672%	0.247	0.536	0.228	0.000	8.669	534.600	151.900
%RSD		3.410	5.385	2.008	0.861	0.000	2.303	2.264	0.615
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:27	84750.000	2331.000	0.000	9058.000	17290.000	17880.000	84.289%	580.000
2	01:14:10	84450.000	2333.000	0.000	9225.000	17130.000	17710.000	77.890%	589.300
3	01:14:53	83650.000	2284.000	0.000	9184.000	17410.000	17820.000	73.796%	581.500
X		84290.000	2316.000	0.000	9156.000	17280.000	17800.000	78.659%	583.600
σ		569.600	27.830	0.000	86.980	138.200	88.730	5.289%	4.985
%RSD		0.676	1.202	0.000	0.950	0.800	0.498	6.723	0.854
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:27	159.500	167.500	3923.000	232400.000	239400.000	87.920	215.700	178.000
2	01:14:10	162.200	169.700	3999.000	234900.000	240600.000	88.960	219.800	180.600
3	01:14:53	160.100	170.200	4008.000	236900.000	242100.000	88.190	215.200	179.900
X		160.600	169.100	3977.000	234700.000	240700.000	88.360	216.900	179.500
σ		1.397	1.452	46.550	2255.000	1354.000	0.541	2.533	1.373
%RSD		0.870	0.859	1.171	0.961	0.563	0.612	1.168	0.765
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:27	179.500	499.400	509.900	139.400	2.388	4.376	0.000	85.390
2	01:14:10	180.000	506.000	514.100	140.400	1.787	4.503	0.000	87.260
3	01:14:53	178.700	506.500	516.500	140.200	1.945	4.399	0.000	87.310
X		179.400	504.000	513.500	140.000	2.040	4.426	0.000	86.650
σ		0.641	3.961	3.295	0.555	0.311	0.068	0.000	1.095
%RSD		0.357	0.786	0.642	0.397	15.260	1.529	0.000	1.264
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:27	0.000	10.140	10.220	70.178%	0.242	0.167	1.971	1.451
2	01:14:10	0.000	10.230	10.410	67.102%	0.236	0.158	1.701	1.369
3	01:14:53	0.000	10.390	10.290	66.282%	0.255	0.154	1.871	1.468
X		0.000	10.250	10.310	67.854%	0.244	0.159	1.848	1.429
σ		0.000	0.129	0.097	2.054%	0.010	0.007	0.137	0.053
%RSD		0.000	1.256	0.941	3.028	3.909	4.178	7.391	3.707
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:27	69.295%	9.849	0.764	0.747	442.200	441.700	76.243%	75.424%
2	01:14:10	67.341%	9.823	0.773	0.768	448.500	446.900	75.520%	74.896%
3	01:14:53	66.465%	9.678	0.767	0.705	440.900	441.600	76.127%	75.398%
X		67.700%	9.783	0.768	0.740	443.900	443.400	75.963%	75.239%
σ		1.449%	0.092	0.005	0.032	4.078	2.978	0.388%	0.297%
%RSD		2.140	0.944	0.618	4.351	0.919	0.672	0.511	0.395
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:13:27	1.266	1.308	124.600	123.000	123.500	67.668%		
2	01:14:10	1.298	1.318	125.900	124.300	124.800	68.314%		
3	01:14:53	1.327	1.279	123.400	122.000	122.300	69.246%		
X		1.297	1.302	124.600	123.100	123.500	68.410%		
σ		0.031	0.020	1.239	1.163	1.265	0.793%		
%RSD		2.369	1.551	0.994	0.945	1.024	1.160		

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12/23/2012 1:17:04 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:47	77.190%	4.714	19.720	20.200	0.000	375.500	22020.000	23120.000
2	01:18:30	73.846%	4.865	19.980	20.650	0.000	376.600	22420.000	23610.000
3	01:19:13	72.797%	4.936	21.050	20.650	0.000	387.800	22950.000	23990.000
X		74.611%	4.838	20.250	20.500	0.000	380.000	22460.000	23580.000
σ		2.294%	0.114	0.706	0.260	0.000	6.797	463.200	438.400
%RSD		3.075	2.346	3.487	1.267	0.000	1.789	2.062	1.859
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:47	81110.000	1588.000	0.000	7592.000	23220.000	24240.000	74.307%	503.600
2	01:18:30	82020.000	1606.000	0.000	7567.000	23300.000	24500.000	73.559%	501.300
3	01:19:13	83390.000	1653.000	0.000	7560.000	23360.000	24370.000	72.816%	502.800
X		82170.000	1616.000	0.000	7573.000	23290.000	24370.000	73.561%	502.600
σ		1147.000	33.660	0.000	16.710	73.620	134.600	0.745%	1.161
%RSD		1.395	2.084	0.000	0.221	0.316	0.552	1.013	0.231
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:47	172.700	196.400	3783.000	242400.000	249900.000	85.570	211.900	199.900
2	01:18:30	173.100	194.900	3799.000	243600.000	248500.000	84.410	207.200	200.300
3	01:19:13	173.500	197.500	3802.000	246300.000	252600.000	86.670	211.600	201.400
X		173.100	196.300	3795.000	244100.000	250400.000	85.550	210.200	200.500
σ		0.398	1.309	10.020	1968.000	2068.000	1.128	2.623	0.728
%RSD		0.230	0.667	0.264	0.806	0.826	1.319	1.248	0.363
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:47	200.700	755.900	766.400	128.600	2.263	4.721	0.000	109.500
2	01:18:30	199.100	759.200	775.700	129.500	2.078	3.632	0.000	111.900
3	01:19:13	203.200	766.700	780.600	130.100	2.153	3.880	0.000	113.500
X		201.000	760.600	774.200	129.400	2.165	4.078	0.000	111.600
σ		2.109	5.528	7.254	0.774	0.093	0.571	0.000	2.017
%RSD		1.049	0.727	0.937	0.599	4.307	14.010	0.000	1.806
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:47	0.000	10.220	10.250	65.657%	0.298	0.202	2.961	2.588
2	01:18:30	0.000	10.460	10.500	65.769%	0.294	0.219	2.741	2.489
3	01:19:13	0.000	10.650	10.610	64.946%	0.297	0.214	2.836	2.397
X		0.000	10.450	10.460	65.457%	0.296	0.211	2.846	2.491
σ		0.000	0.217	0.184	0.447%	0.002	0.009	0.111	0.095
%RSD		0.000	2.074	1.762	0.683	0.665	4.225	3.885	3.830
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:47	65.482%	11.730	0.924	0.925	473.900	475.800	72.945%	73.019%
2	01:18:30	65.974%	12.180	0.942	0.904	477.700	477.200	74.857%	74.350%
3	01:19:13	66.218%	12.270	0.926	0.908	478.900	477.000	75.055%	74.670%
X		65.891%	12.060	0.930	0.912	476.800	476.600	74.286%	74.013%
σ		0.375%	0.288	0.010	0.011	2.581	0.739	1.165%	0.876%
%RSD		0.569	2.385	1.048	1.228	0.541	0.155	1.569	1.183
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:17:47	1.221	1.254	220.900	217.600	218.200	67.815%		
2	01:18:30	1.276	1.256	223.900	220.300	221.200	69.421%		
3	01:19:13	1.219	1.258	225.400	221.600	222.500	69.474%		
X		1.239	1.256	223.400	219.800	220.700	68.903%		
σ		0.032	0.002	2.337	2.052	2.204	0.943%		
%RSD		2.618	0.162	1.046	0.934	0.999	1.368		

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12/23/2012 1:21:24 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:22:07	77.538%	3.666	13.550	13.740	0.000	236.200	18250.000	18880.000
2	01:22:50	76.742%	3.605	14.020	13.860	0.000	230.100	17700.000	18800.000
3	01:23:33	75.388%	3.844	13.720	13.770	0.000	231.900	18160.000	19030.000
X		76.556%	3.705	13.760	13.790	0.000	232.700	18040.000	18900.000
σ		1.087%	0.124	0.239	0.060	0.000	3.113	295.100	114.300
%RSD		1.420	3.345	1.735	0.432	0.000	1.338	1.636	0.605
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:22:07	83210.000	1859.000	0.000	6290.000	14200.000	13610.000	75.374%	432.600
2	01:22:50	81970.000	1826.000	0.000	6130.000	13800.000	13620.000	74.879%	426.500
3	01:23:33	82950.000	1875.000	0.000	6087.000	13720.000	13880.000	73.780%	428.900
X		82710.000	1853.000	0.000	6169.000	13910.000	13700.000	74.678%	429.300
σ		656.500	25.090	0.000	107.100	257.700	151.800	0.816%	3.033
%RSD		0.794	1.354	0.000	1.736	1.853	1.108	1.093	0.707
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:22:07	148.200	147.300	2741.000	187700.000	189200.000	62.900	155.700	154.100
2	01:22:50	147.600	147.700	2742.000	188600.000	190100.000	62.390	154.700	156.100
3	01:23:33	146.200	148.800	2779.000	190800.000	192400.000	63.580	157.600	156.700
X		147.300	147.900	2754.000	189000.000	190600.000	62.960	156.000	155.700
σ		1.024	0.777	21.840	1591.000	1658.000	0.596	1.479	1.377
%RSD		0.695	0.525	0.793	0.842	0.870	0.947	0.949	0.884
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:22:07	155.000	405.000	413.200	102.100	2.289	4.277	0.000	76.760
2	01:22:50	156.700	409.700	419.100	102.300	2.087	3.914	0.000	78.840
3	01:23:33	158.900	413.400	422.700	104.400	2.166	4.215	0.000	79.030
X		156.900	409.400	418.300	102.900	2.181	4.135	0.000	78.210
σ		1.943	4.200	4.790	1.271	0.102	0.194	0.000	1.263
%RSD		1.239	1.026	1.145	1.235	4.678	4.701	0.000	1.614
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:22:07	0.000	7.810	7.865	65.897%	0.257	0.194	1.392	1.096
2	01:22:50	0.000	7.802	7.824	65.599%	0.265	0.194	1.248	1.008
3	01:23:33	0.000	7.914	7.860	65.433%	0.274	0.208	1.278	1.015
X		0.000	7.842	7.850	65.643%	0.265	0.199	1.306	1.040
σ		0.000	0.062	0.022	0.235%	0.009	0.008	0.076	0.049
%RSD		0.000	0.795	0.285	0.358	3.247	4.075	5.823	4.685
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:22:07	65.400%	8.816	0.526	0.537	464.800	464.100	72.938%	72.000%
2	01:22:50	66.120%	8.828	0.471	0.513	466.900	466.800	73.596%	73.090%
3	01:23:33	65.818%	9.037	0.498	0.514	470.500	470.700	73.270%	73.508%
X		65.779%	8.894	0.498	0.521	467.400	467.200	73.268%	72.866%
σ		0.362%	0.124	0.028	0.014	2.906	3.332	0.329%	0.779%
%RSD		0.550	1.399	5.531	2.607	0.622	0.713	0.449	1.068
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:22:07	1.254	1.266	206.600	200.000	201.000	68.088%		
2	01:22:50	1.225	1.309	209.000	202.100	203.800	69.041%		
3	01:23:33	1.282	1.299	210.100	202.200	205.000	68.875%		
X		1.254	1.291	208.600	201.400	203.300	68.668%		
σ		0.028	0.023	1.776	1.275	2.007	0.509%		
%RSD		2.257	1.749	0.852	0.633	0.988	0.741		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:26:28	77.302%	3.523	19.540	18.910	0.000	272.000	15770.000	16400.000
2	01:27:11	77.048%	3.593	18.280	18.850	0.000	276.400	15610.000	16340.000
3	01:27:54	76.203%	3.525	18.470	18.830	0.000	281.800	15870.000	16560.000
X		76.851%	3.547	18.760	18.860	0.000	276.700	15750.000	16430.000
σ		0.575%	0.040	0.682	0.043	0.000	4.900	133.200	113.300
%RSD		0.749	1.131	3.636	0.228	0.000	1.771	0.846	0.690
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:26:28	61790.000	2546.000	0.000	6210.000	17880.000	18260.000	75.310%	466.200
2	01:27:11	61770.000	2546.000	0.000	6085.000	17830.000	18430.000	73.890%	470.300
3	01:27:54	63070.000	2595.000	0.000	6289.000	18340.000	18740.000	71.989%	477.600
X		62210.000	2562.000	0.000	6195.000	18020.000	18480.000	73.730%	471.400
σ		744.700	28.610	0.000	102.900	279.400	248.100	1.667%	5.769
%RSD		1.197	1.117	0.000	1.662	1.551	1.343	2.260	1.224
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:26:28	123.300	126.900	2457.000	184300.000	186200.000	62.670	148.500	113.600
2	01:27:11	126.700	130.100	2454.000	186800.000	190000.000	63.420	150.800	115.100
3	01:27:54	129.900	131.200	2540.000	190200.000	191400.000	64.240	152.500	117.000
X		126.600	129.400	2483.000	187100.000	189200.000	63.440	150.600	115.200
σ		3.309	2.183	48.870	2990.000	2734.000	0.784	2.017	1.696
%RSD		2.613	1.687	1.968	1.598	1.445	1.235	1.340	1.472
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:26:28	113.700	338.600	341.300	110.800	1.672	3.168	0.000	67.110
2	01:27:11	115.500	339.800	346.400	111.100	1.723	3.147	0.000	68.310
3	01:27:54	117.200	346.100	351.600	113.700	1.795	3.341	0.000	68.770
X		115.500	341.500	346.500	111.900	1.730	3.219	0.000	68.060
σ		1.736	4.003	5.159	1.575	0.062	0.107	0.000	0.857
%RSD		1.503	1.172	1.489	1.408	3.564	3.313	0.000	1.260
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:26:28	0.000	8.114	8.082	66.584%	0.191	0.112	1.484	1.112
2	01:27:11	0.000	8.259	8.214	66.490%	0.197	0.123	1.184	0.923
3	01:27:54	0.000	8.218	8.347	66.113%	0.196	0.127	1.184	0.843
X		0.000	8.197	8.214	66.395%	0.194	0.121	1.284	0.959
σ		0.000	0.075	0.132	0.249%	0.003	0.008	0.173	0.138
%RSD		0.000	0.914	1.611	0.375	1.660	6.606	13.490	14.400
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:26:28	65.646%	6.968	1.047	1.057	334.400	333.500	71.777%	72.047%
2	01:27:11	65.951%	7.036	1.020	1.092	337.300	336.300	73.389%	73.290%
3	01:27:54	66.224%	7.329	1.131	1.054	334.700	338.900	73.940%	73.869%
X		65.940%	7.111	1.066	1.067	335.400	336.200	73.035%	73.069%
σ		0.289%	0.192	0.058	0.021	1.605	2.687	1.124%	0.931%
%RSD		0.438	2.694	5.410	1.978	0.478	0.799	1.539	1.274
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:26:28	0.953	0.981	83.430	81.550	82.190	67.955%		
2	01:27:11	0.991	1.010	84.170	83.260	83.210	69.329%		
3	01:27:54	1.007	0.993	85.280	84.040	84.230	69.430%		
X		0.984	0.995	84.290	82.950	83.210	68.905%		
σ		0.028	0.014	0.932	1.270	1.022	0.824%		
%RSD		2.857	1.452	1.105	1.531	1.228	1.196		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:49	74.088%	5.094	20.150	19.940	0.000	312.600	23810.000	24970.000
2	01:31:32	74.203%	5.232	19.910	20.430	0.000	297.200	23250.000	24780.000
3	01:32:15	73.694%	5.151	20.030	20.440	0.000	298.900	23900.000	25280.000
X		73.995%	5.159	20.030	20.270	0.000	302.900	23650.000	25010.000
σ		0.266%	0.069	0.123	0.290	0.000	8.456	351.400	251.100
%RSD		0.360	1.335	0.615	1.433	0.000	2.792	1.486	1.004
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:49	97560.000	2129.000	0.000	7696.000	15040.000	13660.000	74.699%	665.200
2	01:31:32	97000.000	2079.000	0.000	7734.000	15320.000	14970.000	72.805%	665.700
3	01:32:15	98480.000	2128.000	0.000	7777.000	15380.000	14970.000	71.247%	656.100
X		97680.000	2112.000	0.000	7736.000	15250.000	14530.000	72.917%	662.400
σ		744.200	28.650	0.000	40.290	180.500	755.700	1.729%	5.397
%RSD		0.762	1.357	0.000	0.521	1.184	5.199	2.371	0.815
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:49	183.900	181.800	6172.000	258700.000	264100.000	103.400	213.900	187.300
2	01:31:32	187.100	184.400	6221.000	261900.000	266900.000	104.900	212.500	188.500
3	01:32:15	190.400	186.800	6346.000	264000.000	267000.000	105.000	216.500	189.500
X		187.100	184.300	6246.000	261500.000	266000.000	104.400	214.300	188.400
σ		3.234	2.514	89.740	2677.000	1675.000	0.911	1.994	1.120
%RSD		1.728	1.364	1.437	1.024	0.630	0.872	0.930	0.594
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:49	186.600	530.900	537.200	155.500	2.684	5.004	0.000	95.420
2	01:31:32	188.900	539.000	550.100	157.900	2.721	5.339	0.000	96.730
3	01:32:15	190.100	548.200	557.600	159.700	2.774	5.125	0.000	98.060
X		188.500	539.400	548.300	157.700	2.726	5.156	0.000	96.740
σ		1.779	8.668	10.300	2.091	0.046	0.170	0.000	1.321
%RSD		0.943	1.607	1.878	1.326	1.669	3.295	0.000	1.366
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:49	0.000	11.250	11.390	64.099%	0.244	0.193	1.589	1.308
2	01:31:32	0.000	11.390	11.630	64.196%	0.244	0.191	1.591	1.267
3	01:32:15	0.000	11.500	11.820	63.751%	0.257	0.167	1.670	1.420
X		0.000	11.380	11.620	64.015%	0.248	0.184	1.617	1.332
σ		0.000	0.127	0.212	0.234%	0.008	0.015	0.046	0.080
%RSD		0.000	1.112	1.824	0.365	3.136	8.071	2.875	5.978
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:49	63.651%	8.371	1.039	1.085	542.000	541.500	71.002%	70.510%
2	01:31:32	64.228%	8.504	1.062	1.051	542.300	544.400	72.375%	72.040%
3	01:32:15	63.984%	8.607	1.059	1.054	547.400	547.200	72.463%	72.387%
X		63.954%	8.494	1.053	1.063	543.900	544.400	71.947%	71.646%
σ		0.290%	0.118	0.013	0.019	3.019	2.874	0.819%	0.999%
%RSD		0.453	1.394	1.198	1.803	0.555	0.528	1.139	1.394
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:30:49	1.632	1.644	359.700	337.800	343.800	65.752%		
2	01:31:32	1.633	1.623	362.900	339.100	346.600	66.899%		
3	01:32:15	1.671	1.693	367.400	344.800	350.900	66.510%		
X		1.645	1.653	363.300	340.600	347.100	66.387%		
σ		0.022	0.036	3.881	3.691	3.556	0.583%		
%RSD		1.337	2.150	1.068	1.084	1.024	0.879		

240-17810-F-7-A

12/23/2012 1:34:27 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:35:10	73.405%	4.875	23.780	24.480	0.000	402.900	22150.000	22800.000
2	01:35:53	71.121%	5.042	25.720	25.180	0.000	405.300	22320.000	23540.000
3	01:36:36	72.850%	4.969	23.190	24.770	0.000	420.500	22330.000	23250.000
X		72.459%	4.962	24.230	24.810	0.000	409.600	22270.000	23200.000
σ		1.191%	0.084	1.325	0.352	0.000	9.531	102.500	376.600
%RSD		1.644	1.696	5.468	1.421	0.000	2.327	0.460	1.624
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:35:10	83220.000	2347.000	0.000	9348.000	16890.000	17330.000	73.819%	620.100
2	01:35:53	84020.000	2372.000	0.000	9576.000	17580.000	17750.000	71.761%	636.200
3	01:36:36	84720.000	2404.000	0.000	9479.000	17640.000	17890.000	70.631%	638.900
X		83990.000	2374.000	0.000	9468.000	17370.000	17660.000	72.070%	631.700
σ		746.500	28.670	0.000	114.000	417.200	293.800	1.617%	10.180
%RSD		0.889	1.208	0.000	1.204	2.401	1.664	2.243	1.612
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:35:10	157.500	160.600	3996.000	237200.000	240500.000	101.800	194.600	156.100
2	01:35:53	159.800	163.800	3977.000	237900.000	243300.000	103.600	199.400	160.900
3	01:36:36	165.000	168.100	4069.000	243800.000	249700.000	105.500	202.300	160.000
X		160.800	164.200	4014.000	239600.000	244500.000	103.600	198.700	159.000
σ		3.853	3.768	48.750	3671.000	4735.000	1.847	3.857	2.586
%RSD		2.397	2.296	1.215	1.532	1.937	1.783	1.941	1.626
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:35:10	156.900	432.100	443.500	134.100	2.210	3.993	0.000	76.050
2	01:35:53	162.800	447.900	454.400	136.400	2.128	3.947	0.000	78.050
3	01:36:36	163.200	454.500	458.600	139.500	2.140	4.659	0.000	78.440
X		161.000	444.800	452.100	136.700	2.159	4.200	0.000	77.510
σ		3.518	11.540	7.808	2.719	0.044	0.399	0.000	1.282
%RSD		2.185	2.594	1.727	1.989	2.045	9.493	0.000	1.653
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:35:10	0.000	11.370	11.400	63.800%	0.274	0.195	1.783	1.312
2	01:35:53	0.000	11.910	11.590	63.603%	0.287	0.165	1.728	1.389
3	01:36:36	0.000	11.930	11.690	63.468%	0.291	0.203	1.762	1.343
X		0.000	11.740	11.560	63.624%	0.284	0.188	1.758	1.348
σ		0.000	0.321	0.147	0.167%	0.009	0.020	0.028	0.039
%RSD		0.000	2.732	1.272	0.263	3.165	10.550	1.593	2.889
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:35:10	63.402%	8.870	0.786	0.778	419.900	423.700	71.106%	70.936%
2	01:35:53	64.162%	8.997	0.763	0.842	425.700	428.200	72.338%	72.545%
3	01:36:36	63.566%	8.867	0.735	0.833	433.900	433.300	72.519%	72.414%
X		63.710%	8.912	0.762	0.818	426.500	428.400	71.988%	71.965%
σ		0.400%	0.074	0.025	0.035	6.998	4.828	0.769%	0.893%
%RSD		0.628	0.834	3.323	4.267	1.641	1.127	1.068	1.241
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:35:10	1.181	1.152	123.500	121.200	121.700	65.424%		
2	01:35:53	1.185	1.137	124.200	121.800	122.500	67.289%		
3	01:36:36	1.157	1.142	125.600	123.400	123.900	67.702%		
X		1.174	1.143	124.400	122.100	122.700	66.805%		
σ		0.015	0.008	1.057	1.121	1.116	1.214%		
%RSD		1.301	0.660	0.850	0.918	0.909	1.817		

CCV 664806 12/23/2012 1:41:39 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:22	69.592%	103.300	95.560	97.190	0.000	47090.000	44050.000	45450.000
2	01:43:05	69.045%	101.900	96.680	96.110	0.000	47580.000	44170.000	45500.000
3	01:43:48	68.741%	104.200	98.690	97.930	0.000	46040.000	43540.000	45320.000
x		69.126%	103.142%	96.977%	97.079%	0.000	93.798%	87.836%	90.843%
σ		0.431%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.624	1.085	1.637	0.943	0.000	1.677	0.757	0.207
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:22	462.600	4910.000	0.000	48430.000	48720.000	50780.000	71.025%	97.850
2	01:43:05	464.700	4999.000	0.000	48840.000	49770.000	50690.000	70.567%	100.400
3	01:43:48	464.100	4928.000	0.000	48590.000	49170.000	50440.000	71.229%	98.850
x		92.759%	98.913%	0.000	97.237%	98.442%	101.269%	70.940%	99.028%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.339%	n/a
%RSD		0.241	0.955	0.000	0.425	1.071	0.348	0.478	1.294
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:22	97.440	98.150	520.800	25850.000	25750.000	95.220	94.670	94.590
2	01:43:05	98.210	98.010	525.300	25940.000	25720.000	96.610	95.590	95.260
3	01:43:48	96.010	97.170	520.200	25550.000	25660.000	95.310	93.120	94.000
x		97.216%	97.777%	104.417%	103.122%	102.836%	95.713%	94.458%	94.616%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.148	0.546	0.540	0.787	0.174	0.817	1.325	0.671
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:22	95.490	100.700	100.800	96.050	100.200	99.900	0.000	93.650
2	01:43:05	95.240	100.100	100.500	95.890	100.600	100.500	0.000	93.640
3	01:43:48	95.330	99.220	99.670	97.020	99.260	99.890	0.000	93.550
x		95.351%	100.002%	100.315%	96.321%	100.016%	100.084%	0.000	93.615%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.133	0.738	0.573	0.633	0.671	0.319	0.000	0.056
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:22	70.410%	91.280	93.400	65.287%	94.000	95.160	98.520	99.520
2	01:43:05	72.108%	95.760	97.110	66.363%	95.900	96.430	100.100	100.500
3	01:43:48	73.305%	98.300	98.690	67.421%	95.000	96.480	98.620	99.790
x		71.941%	95.112%	96.400%	66.357%	94.967%	96.022%	99.066%	99.920%
σ		1.455%	n/a	n/a	1.067%	n/a	n/a	n/a	n/a
%RSD		2.022	3.737	2.815	1.608	1.000	0.780	0.871	0.480
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:22	65.326%	95.250	95.710	95.470	94.150	95.600	66.834%	67.740%
2	01:43:05	67.317%	96.440	96.720	96.440	94.860	96.080	68.803%	70.075%
3	01:43:48	68.231%	96.890	97.080	95.990	95.110	95.070	70.234%	71.564%
x		66.958%	96.193%	96.503%	95.966%	94.707%	95.580%	68.624%	69.793%
σ		1.485%	n/a	n/a	n/a	n/a	n/a	1.707%	1.927%
%RSD		2.218	0.879	0.735	0.509	0.523	0.529	2.488	2.761
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:42:22	93.170	92.680	93.200	92.890	92.540	67.756%		
2	01:43:05	94.320	93.780	94.490	94.660	94.120	70.226%		
3	01:43:48	94.350	94.250	94.630	94.370	93.800	71.289%		
x		93.948%	93.569%	94.105%	93.976%	93.490%	69.757%		
σ		n/a	n/a	n/a	n/a	n/a	1.813%		
%RSD		0.715	0.857	0.838	1.014	0.894	2.599		

CCB8 12/23/2012 1:49:36 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:19	92.285%	-0.025	0.597	0.545	0.000	2.010	3.652	3.876
2	01:51:02	89.188%	-0.007	0.500	0.452	0.000	1.908	3.437	4.001
3	01:51:45	90.415%	-0.026	0.436	0.483	0.000	1.472	4.017	3.774
X		90.629%	-0.019	0.511	0.494	0.000	1.797	3.702	3.884
σ		1.560%	0.011	0.081	0.047	0.000	0.286	0.293	0.113
%RSD		1.721	55.100	15.880	9.592	0.000	15.930	7.921	2.919
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:19	0.812	-2.660	0.000	-5.633	7.478	2.347	88.839%	-0.007
2	01:51:02	0.785	-2.743	0.000	-7.439	6.239	4.415	85.944%	-0.047
3	01:51:45	0.808	-2.936	0.000	-7.914	2.423	2.265	86.133%	-0.057
X		0.802	-2.780	0.000	-6.995	5.380	3.009	86.972%	-0.037
σ		0.015	0.142	0.000	1.204	2.635	1.219	1.619%	0.027
%RSD		1.825	5.093	0.000	17.200	48.980	40.500	1.862	72.620
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:19	-0.008	-0.014	0.373	3.647	14.000	-0.002	-0.031	-0.049
2	01:51:02	0.027	-0.012	0.368	2.014	10.720	0.000	-0.020	-0.049
3	01:51:45	-0.021	-0.033	0.324	0.003	10.330	0.002	-0.019	-0.052
X		-0.001	-0.019	0.355	1.888	11.680	-0.000	-0.023	-0.050
σ		0.025	0.012	0.027	1.825	2.014	0.002	0.007	0.002
%RSD		3229.000	59.380	7.638	96.670	17.240	1075.000	29.680	3.621
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:19	-0.051	-0.690	-0.602	-0.475	-0.535	-2.242	0.000	0.015
2	01:51:02	-0.057	-0.643	-0.662	-0.411	-0.647	-1.870	0.000	0.016
3	01:51:45	-0.050	-0.620	-0.561	-0.445	-0.495	-2.004	0.000	0.016
X		-0.052	-0.651	-0.608	-0.444	-0.559	-2.039	0.000	0.016
σ		0.004	0.035	0.051	0.032	0.079	0.189	0.000	0.000
%RSD		7.630	5.432	8.405	7.195	14.080	9.245	0.000	2.252
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:19	80.491%	0.283	0.242	84.931%	0.002	0.001	-0.077	-0.049
2	01:51:02	80.546%	0.237	0.218	84.753%	0.004	-0.008	-0.111	-0.078
3	01:51:45	81.407%	0.201	0.184	84.713%	-0.003	-0.006	-0.046	-0.028
X		80.815%	0.240	0.215	84.799%	0.001	-0.005	-0.078	-0.052
σ		0.513%	0.041	0.029	0.116%	0.004	0.005	0.032	0.025
%RSD		0.635	17.050	13.720	0.137	253.500	102.200	41.520	48.660
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:19	77.965%	-0.397	-0.076	-0.044	-0.004	0.033	81.288%	82.805%
2	01:51:02	78.552%	-0.374	-0.055	-0.051	-0.014	0.031	83.457%	84.831%
3	01:51:45	78.871%	-0.507	-0.084	-0.074	-0.014	0.016	83.600%	85.203%
X		78.463%	-0.426	-0.072	-0.057	-0.010	0.027	82.782%	84.280%
σ		0.460%	0.071	0.015	0.016	0.006	0.009	1.296%	1.291%
%RSD		0.586	16.620	20.330	28.210	56.890	34.800	1.565	1.531
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:50:19	0.004	0.007	0.100	0.105	0.098	91.259%		
2	01:51:02	0.008	0.008	0.096	0.105	0.094	92.856%		
3	01:51:45	0.009	0.006	0.088	0.095	0.083	93.654%		
X		0.007	0.007	0.095	0.102	0.092	92.590%		
σ		0.003	0.001	0.006	0.006	0.008	1.220%		
%RSD		37.750	12.400	6.641	5.869	8.323	1.317		

CRI 668876 12/23/2012 2:01:10 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:53	76.025%	0.917	5.483	5.668	0.000	90.620	84.590	84.980
2	02:02:36	74.114%	0.998	5.905	5.680	0.000	91.520	83.570	88.470
3	02:03:19	73.103%	1.017	5.498	5.624	0.000	88.540	83.920	87.000
x		74.414%	97.715%	112.568%	113.148%	0.000	90.227%	84.026%	86.816%
σ		1.484%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.994	5.421	4.255	0.519	0.000	1.698	0.620	2.015
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:53	26.500	462.300	0.000	85.600	105.600	100.300	75.796%	4.513
2	02:02:36	27.060	474.300	0.000	86.260	87.440	98.180	74.427%	4.738
3	02:03:19	27.320	481.300	0.000	87.490	104.600	103.700	71.611%	4.838
x		89.870%	94.523%	0.000	86.452%	99.211%	100.699%	73.945%	93.926%
σ		n/a	n/a	0.000	n/a	n/a	n/a	2.134%	n/a
%RSD		1.545	2.039	0.000	1.104	10.280	2.752	2.885	3.535
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:53	0.838	1.905	5.195	59.430	59.010	0.481	0.990	2.010
2	02:02:36	0.904	1.883	5.398	57.400	58.790	0.484	0.964	1.918
3	02:03:19	0.949	1.938	5.328	57.010	58.090	0.463	0.973	1.902
x		89.702%	95.424%	1061.407%	115.893%	117.261%	95.253%	97.541%	97.160%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		6.220	1.442	1.950	2.240	0.820	2.350	1.347	3.013
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:53	1.990	4.532	4.995	0.876	4.946	5.146	0.000	4.928
2	02:02:36	1.947	4.809	4.665	0.845	5.574	4.561	0.000	4.916
3	02:03:19	1.894	4.954	4.919	0.921	5.186	4.567	0.000	4.900
x		97.176%	95.300%	97.197%	88.065%	104.706%	95.155%	0.000	98.292%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.482	4.503	3.553	4.321	6.060	7.060	0.000	0.290
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:53	69.157%	4.487	4.427	75.219%	0.937	0.923	0.929	1.008
2	02:02:36	69.924%	4.510	4.513	75.377%	0.873	0.897	0.948	1.024
3	02:03:19	69.477%	4.602	4.442	75.675%	0.927	0.916	0.971	0.997
x		69.519%	90.659%	89.216%	75.423%	91.223%	91.203%	94.915%	100.946%
σ		0.385%	n/a	n/a	0.232%	n/a	n/a	n/a	n/a
%RSD		0.554	1.340	1.024	0.307	3.780	1.499	2.234	1.347
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:53	70.936%	4.801	1.863	1.907	9.134	9.480	74.124%	75.369%
2	02:02:36	72.231%	4.847	1.810	1.833	9.145	9.114	76.072%	76.843%
3	02:03:19	73.008%	4.617	1.816	1.759	8.883	8.605	76.963%	78.166%
x		72.058%	95.098%	91.491%	91.661%	90.540%	90.663%	75.719%	76.792%
σ		1.047%	n/a	n/a	n/a	n/a	n/a	1.452%	1.399%
%RSD		1.453	2.559	1.590	4.036	1.636	4.851	1.917	1.822
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	02:01:53	0.861	0.827	0.898	0.914	0.878	85.184%		
2	02:02:36	0.818	0.829	0.873	0.887	0.874	86.518%		
3	02:03:19	0.818	0.796	0.860	0.924	0.868	87.333%		
x		83.238%	81.768%	87.738%	90.862%	87.318%	86.345%		
σ		n/a	n/a	n/a	n/a	n/a	1.085%		
%RSD		2.969	2.265	2.195	2.099	0.569	1.256		

CCV 664806 12/23/2012 2:08:23 AM QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:09:06	72.647%	102.300	94.830	93.420	0.000	47970.000	44830.000	45840.000
2	02:09:49	71.889%	102.000	98.700	96.420	0.000	48120.000	44920.000	45220.000
3	02:10:32	69.883%	104.700	98.820	97.470	0.000	48230.000	45350.000	45900.000
X		71.473%	102.984%	97.451%	95.772%	0.000	96.206%	90.069%	91.305%
σ		1.428%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.998	1.417	2.326	2.194	0.000	0.272	0.616	0.832
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:09:06	462.700	4948.000	0.000	48290.000	48130.000	50340.000	75.794%	99.350
2	02:09:49	457.800	4975.000	0.000	49300.000	48930.000	50480.000	75.588%	100.100
3	02:10:32	460.600	4968.000	0.000	49490.000	49130.000	50690.000	75.285%	100.200
X		92.067%	99.273%	0.000	98.050%	97.460%	101.013%	75.556%	99.867%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.256%	n/a
%RSD		0.532	0.283	0.000	1.318	1.092	0.348	0.339	0.450
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:09:06	96.700	95.410	511.400	25590.000	25530.000	93.610	92.540	93.360
2	02:09:49	96.500	96.050	515.900	25940.000	25730.000	95.050	94.550	94.000
3	02:10:32	98.900	97.450	513.700	26020.000	25790.000	95.960	93.220	94.310
X		97.367%	96.303%	102.736%	103.400%	102.731%	94.872%	93.436%	93.889%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.372	1.082	0.435	0.884	0.543	1.252	1.093	0.514
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:09:06	93.720	98.350	99.400	93.870	99.830	99.550	0.000	93.970
2	02:09:49	94.400	99.250	98.990	95.840	100.400	100.700	0.000	94.000
3	02:10:32	94.390	99.020	99.490	96.770	101.300	101.500	0.000	94.420
X		94.171%	98.873%	99.297%	95.492%	100.524%	100.572%	0.000	94.130%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.417	0.471	0.269	1.551	0.740	0.953	0.000	0.269
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:09:06	72.736%	93.170	93.930	68.094%	93.400	95.430	98.910	100.400
2	02:09:49	74.534%	96.740	97.400	68.634%	95.360	96.880	98.560	100.200
3	02:10:32	75.226%	97.750	99.380	69.132%	96.150	97.470	99.900	101.700
X		74.165%	95.888%	96.902%	68.620%	94.967%	96.595%	99.126%	100.768%
σ		1.285%	n/a	n/a	0.519%	n/a	n/a	n/a	n/a
%RSD		1.733	2.510	2.848	0.757	1.489	1.085	0.702	0.771
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:09:06	66.065%	97.440	97.000	96.530	96.590	96.090	68.052%	69.090%
2	02:09:49	67.937%	97.670	98.140	97.580	97.060	97.300	69.871%	71.076%
3	02:10:32	68.530%	99.610	98.990	98.430	96.980	97.960	70.480%	71.833%
X		67.511%	98.239%	98.046%	97.514%	96.873%	97.120%	69.468%	70.666%
σ		1.287%	n/a	n/a	n/a	n/a	n/a	1.263%	1.416%
%RSD		1.906	1.216	1.018	0.976	0.259	0.979	1.818	2.004
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	02:09:06	90.450	90.000	90.590	90.070	89.950	70.495%		
2	02:09:49	91.450	91.500	91.720	92.080	91.810	71.918%		
3	02:10:32	93.230	93.400	93.800	93.760	93.540	72.011%		
X		91.712%	91.632%	92.036%	91.973%	91.767%	71.475%		
σ		n/a	n/a	n/a	n/a	n/a	0.850%		
%RSD		1.533	1.856	1.769	2.008	1.960	1.189		

CCB9 12/23/2012 2:16:19 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:17:02	99.589%	-0.036	0.384	0.452	0.000	2.922	4.196	4.195
2	02:17:45	98.946%	-0.026	0.302	0.338	0.000	2.936	4.510	4.446
3	02:18:28	97.816%	-0.026	0.516	0.381	0.000	2.888	4.197	4.127
X		98.784%	-0.029	0.401	0.390	0.000	2.915	4.301	4.256
σ		0.898%	0.006	0.108	0.058	0.000	0.025	0.181	0.168
%RSD		0.909	18.770	26.850	14.750	0.000	0.858	4.211	3.950
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:17:02	0.707	-2.671	0.000	-5.158	6.317	4.243	93.280%	-0.021
2	02:17:45	0.712	-3.047	0.000	-5.042	2.672	4.851	92.509%	-0.083
3	02:18:28	0.743	-2.670	0.000	-6.529	3.067	3.726	89.703%	-0.039
X		0.721	-2.796	0.000	-5.576	4.019	4.274	91.831%	-0.048
σ		0.019	0.217	0.000	0.827	2.000	0.563	1.883%	0.032
%RSD		2.670	7.766	0.000	14.830	49.760	13.170	2.050	66.790
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:17:02	0.012	-0.004	0.242	6.639	14.870	0.005	-0.012	-0.045
2	02:17:45	-0.002	-0.022	0.228	1.222	9.727	0.004	-0.027	-0.048
3	02:18:28	0.020	-0.016	0.235	-0.134	9.453	0.006	-0.028	-0.045
X		0.010	-0.014	0.235	2.576	11.350	0.005	-0.022	-0.046
σ		0.011	0.009	0.007	3.584	3.053	0.001	0.009	0.002
%RSD		112.000	63.270	3.022	139.100	26.900	20.890	40.910	3.416
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:17:02	-0.051	-0.538	-0.491	-0.400	-0.382	-1.549	0.000	0.022
2	02:17:45	-0.071	-0.508	-0.571	-0.537	-0.453	-2.351	0.000	0.015
3	02:18:28	-0.051	-0.649	-0.469	-0.444	-0.309	-1.818	0.000	0.025
X		-0.057	-0.565	-0.510	-0.460	-0.381	-1.906	0.000	0.021
σ		0.012	0.074	0.053	0.070	0.072	0.408	0.000	0.005
%RSD		20.400	13.090	10.460	15.260	18.820	21.420	0.000	23.060
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:17:02	81.231%	0.217	0.205	87.149%	-0.006	-0.004	-0.079	-0.053
2	02:17:45	82.870%	0.209	0.205	87.966%	-0.007	-0.011	-0.068	-0.027
3	02:18:28	82.603%	0.198	0.179	87.462%	-0.005	-0.003	-0.115	-0.079
X		82.235%	0.208	0.196	87.526%	-0.006	-0.006	-0.087	-0.053
σ		0.880%	0.009	0.015	0.412%	0.001	0.005	0.024	0.026
%RSD		1.070	4.403	7.730	0.471	22.540	82.590	28.080	49.560
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:17:02	83.259%	-0.417	-0.058	-0.071	-0.003	0.029	83.118%	83.578%
2	02:17:45	84.709%	-0.517	-0.070	-0.062	0.006	0.028	85.206%	86.258%
3	02:18:28	84.522%	-0.480	-0.061	-0.081	-0.009	0.021	85.538%	86.517%
X		84.164%	-0.471	-0.063	-0.071	-0.002	0.026	84.621%	85.451%
σ		0.789%	0.050	0.006	0.009	0.008	0.004	1.312%	1.627%
%RSD		0.937	10.670	9.821	13.130	348.100	16.450	1.550	1.904
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	02:17:02	0.006	0.011	0.035	0.035	0.043	95.211%		
2	02:17:45	0.013	0.006	0.030	0.034	0.031	95.971%		
3	02:18:28	0.011	0.009	0.025	0.038	0.030	97.018%		
X		0.010	0.009	0.030	0.036	0.035	96.067%		
σ		0.003	0.003	0.005	0.002	0.007	0.907%		
%RSD		33.680	31.600	15.860	5.958	20.590	0.944		

Performance Report

Sample details

Sample name : ITUNE

Acquired at : 12/22/2012 1:07:01 PM

Report name : EPA ILMO5.2/6020A 2.1 [8/5/2011 12:59:56 PM]

Mass Calibration verification

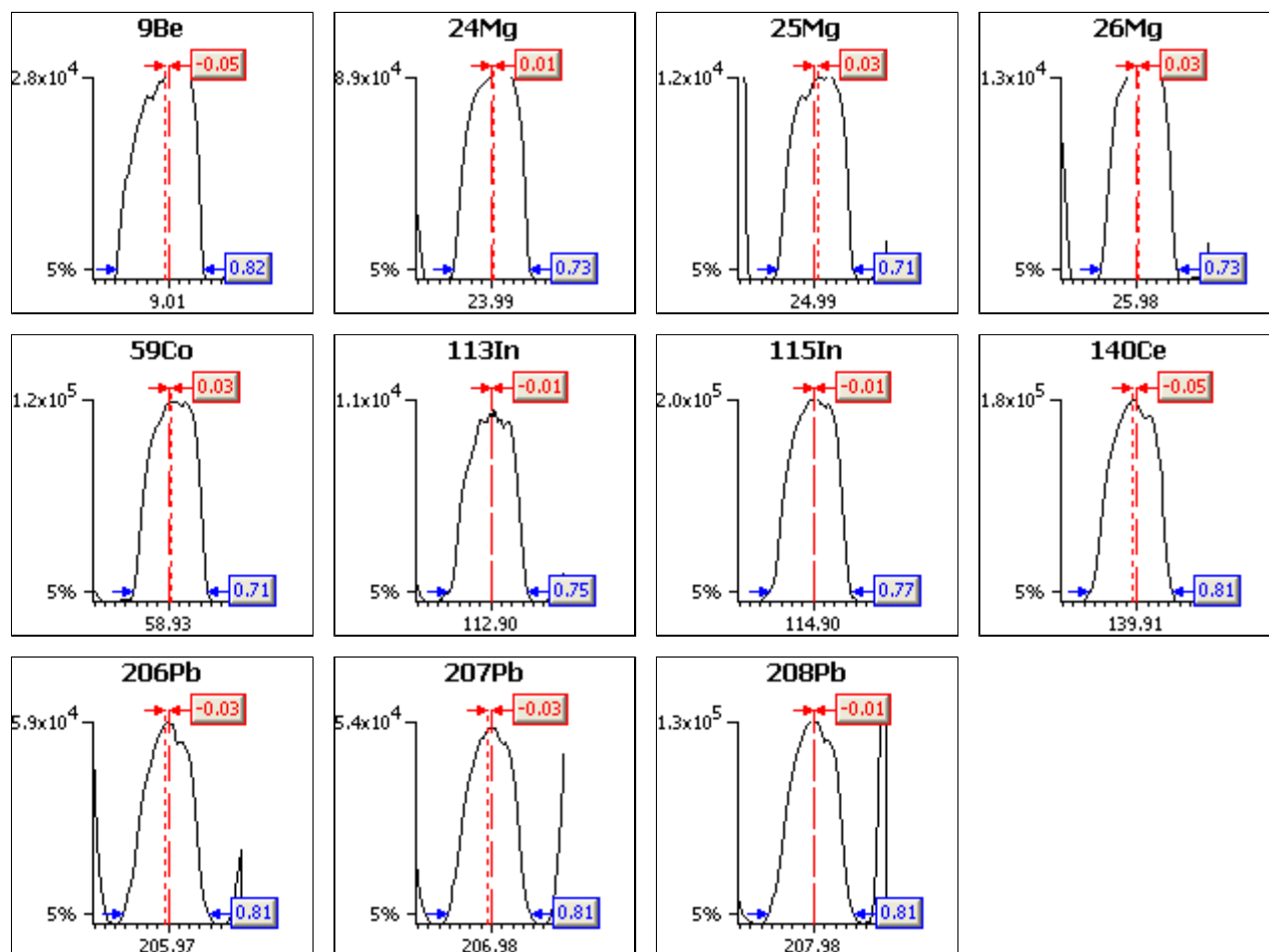
Acquisition parameters

Sweeps : 25

Dwell : 2.0 mSecs

Point spacing : 0.02 amu

Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.90	0.45	0.10	0.82	-0.05
24Mg	0.90	0.45	0.10	0.73	0.01
25Mg	0.90	0.45	0.10	0.71	0.03
26Mg	0.90	0.45	0.10	0.73	0.03
59Co	0.90	0.45	0.10	0.71	0.03
113In	0.90	0.45	0.10	0.75	-0.01
115In	0.90	0.45	0.10	0.77	-0.01
140Ce	0.90	0.45	0.10	0.81	-0.05
206Pb	0.90	0.45	0.10	0.81	-0.03
207Pb	0.90	0.45	0.10	0.81	-0.03
208Pb	0.90	0.45	0.10	0.81	-0.01

Sample details

Sample name : ITUNE

Acquired at : 12/22/2012 1:07:01 PM

Report name : EPA ILMO5.2/6020A 2.1 [8/5/2011 12:59:56 PM]

Tune conditions

Major		Minor		Global		Add. Gases	
Extraction	-114	Lens 2	-36.1	Standard resolution	n/a	He/H2	0.00
Lens 1	2.0	Lens 3	-176.5	High resolution	n/a	He/NH3	0.00
Focus	26.7	Forward power	1349	Analogue Detector	n/a		
D1	-37.6	Horizontal	72	PC Detector	n/a		
Pole Bias	3.0	Vertical	408				
Hexapole Bias	-3.0	D2	-160				
Nebuliser	0.80	DA	-80.0				
Sampling Depth	150	Cool	13.0				
		Auxiliary	0.90				

Sensitivity and stability results**Acquisition parameters**

Sweeps : 150

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	56Ar O	59Co	137Ba++
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	-	5.0%	-
	Countrate	-	>500	>500	>500	>500	-	>10000	-
1	1:07:49 PM	0	22876	93457	11826	13902	611449	124804	35
2	1:09:14 PM	0	22097	91897	11535	13604	581441	124866	30
3	1:10:39 PM	0	22273	93518	11890	13802	581857	126095	30
4	1:12:04 PM	0	21973	93452	11745	13705	581130	125666	27
5	1:13:30 PM	0	22675	94415	12052	13944	588626	128393	31
x		0	22379	93348	11810	13792	588901	125965	31
σ		0.08	384.02	907.67	190.27	139.82	12982.25	1462.73	2.92
%RSD		71.261	1.716	0.972	1.611	1.014	2.204	1.161	9.484

Run	Time	138Ba++	101Bkg	113In	115In	138Ba	140Ce	156Ce O	206Pb
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	-	5.0%	5.0%	-	5.0%	-	5.0%
	Countrate	-	-	>200	>5000	-	>10000	-	>500
1	1:07:49 PM	205	0	8812	195306	5185	196530	2970	60492
2	1:09:14 PM	206	0	8867	196462	5127	198444	3032	61017
3	1:10:39 PM	202	0	9043	198103	5123	201079	3053	61839
4	1:12:04 PM	203	0	8948	198842	5068	199832	3024	61450
5	1:13:30 PM	196	0	9098	199490	5130	201416	3118	61644
x		202	0	8954	197641	5127	199460	3040	61288
σ		3.83	0.09	118.63	1726.19	41.33	2012.55	53.47	539.14
%RSD		1.892	72.436	1.325	0.873	0.806	1.009	1.759	0.880

Run	Time	207Pb	208Pb	220Bkg
Dwell (mSecs)		0.0	0.0	0.0
Limits	%RSD	5.0%	5.0%	-
	Countrate	>500	>500	<2500
1	1:07:49 PM	55011	130892	0
2	1:09:14 PM	55713	132400	0
3	1:10:39 PM	56336	134357	0
4	1:12:04 PM	55551	132204	0
5	1:13:30 PM	55582	132607	0
x		55639	132492	0
σ		473.72	1239.15	0.04
%RSD		0.851	0.935	34.233

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0500
1	1:07:49 PM	0
2	1:09:14 PM	0

3	1:10:39 PM	0
4	1:12:04 PM	0
5	1:13:30 PM	0
$\bar{x}$		0.0152
σ		0.00
%RSD		0.9842

Result : The performance report passed.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 240-17810-2

SDG No.: _____

Batch Number: 59171 Batch Start Date: 11/28/12 12:40 Batch Analyst: Reinheimer, BillBatch Method: 3050B Batch End Date: 11/28/12 17:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	CANMS2 00001	CANMSA_High 00001	CANMSB_High 00001
MB 180-59171/1		3050B, 6020/DOD		CALC NOT SET TO RUN	1.00 g	100 mL			
LCS 180-59171/2		3050B, 6020/DOD		CALC NOT SET TO RUN	1.00 g	100 mL	1 mL	1 mL	1 mL
240-17810-F-1	076SB-0068M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.11 g	100 mL			
240-17810-F-2	076SB-0069M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.18 g	100 mL			
240-17810-F-3	076SB-0070M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.23 g	100 mL			
240-17810-F-4	076SB-0071M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.22 g	100 mL			
240-17810-F-5	076SB-0072M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.07 g	100 mL			
240-17810-F-6	076SB-0073M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.25 g	100 mL			
240-17810-F-7	076SB-0074M-0001 -SO	3050B, 6020/DOD	T	CALC NOT SET TO RUN	1.18 g	100 mL			

Batch Notes	
Analyst	Dale Elshaw Canton Lab
Batch Comment	Samples were prepared in Canton Lab. Batched @ Pitt for TALS upload.
Filter Paper Lot Number	6326666
Hydrogen peroxide lot number	10 mL K45A06
Lot # of hydrochloric acid	10 mL 0000013500
Logbook ID for diluted Nitric	5 mL I03021
Lot # of Nitric Acid	10 mL L03021
Pipette ID	383364-383389
Digestion Tube/Cup Lot #	121014

Basis	Basis Description
T	Total/NA

Subcontract Data

Shipping and Receiving Documents

Chain of Custody Record

TestAmerica Laboratory location:
Regulatory program:

☐ DW ☐ NPDES ☐ RCRA ☐ Other

Company Name: ECL		Client Project Manager: AL EASTMAN		Site Contact: J. DONOVAN		Lab Contact: MARK COBS		COC No: 048709	
Address: 33 Boston Post Rd West		Telephone: 508 509 1784		Telephone: 508 509 1784		Telephone:		COCs 1 of 3	
City/State/Zip: MARLBORO MA 01752		Email:		Analysis Turnaround Time: 11/16/12		TAT if different (for BIS day):		☐ Not lab use only ☐ Walk-in client ☐ Lab project ☐ Lab sampling ☐ Lab SDG Nec	
Project Name:		Method of Shipment/Carrier: HAND DELIVER TO LAB		Containers & Preservatives		Filtered Sample (Y/N)		Analyses	
Project Number:		Shipping/Tracking No:		☐ Air ☐ Aqueous ☐ Sediment ☐ Solid ☐ Other:		☐ H2SO4 ☐ HNO3 ☐ HCl ☐ NaOH ☐ ZnAc ☐ Unpres		VOC SVOC TAL METALS % SOLID	
PO #		Sample Date		Sample Time		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Sample Specific Notes / Special Instructions:	
		11-16-12		0940		☐ Return to Client ☐ Disposal By Lab ☐ Archive For			
0765B-00068M-0001-50				0940					
0765B-00069M-0001-18				0925					
0765B-00070M-0001-50				0905					
0765B-00072M-0001-50				0900					
0765B-00073M-0001-50				0935					
0765B-00075M-0001-70				11-16-12 0800				TAP BLK	

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location:
Regulatory program:

☐ DW ☐ NPDES ☐ RCRA ☐ Other

Company Name: <u>ECU</u> Address: <u>33 Boston Post Road</u> City/State/Zip: <u>MA 01576</u> Phone: <u>978-255-1156</u>		Client Project Manager: <u>AL EASTMAN</u> Telephone: <u>508 509 1784</u> Email: <u>AL.EASTMAN@TESTAMERICA.COM</u>		Site Contact: <u>D. Donovan</u> Telephone: <u>508 509 1784</u>		Lab Contact: <u>MARK LEBG</u> Telephone: <u>508 509 1784</u>		TestAmerica Laboratories, Inc. COC No: <u>048783</u> 2 of 3 COCs			
Project Name: Project Number: P.O. #	Shipping/Tracking No:	Method of Shipment/Carrier:	Analysis Turnaround Time (TAT) if different than 5 business days: ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day	Containers of Preservation: H2SO4 ☐ HNO3 ☐ HCl ☐ NaOH ☐ ZnAc ☐ Unpres ☐ Other:	Matrix: Aqueous ☐ Sediment ☐ Solid ☐ Other:	Sample Date	Sample Time	Sample Identification	Analyses	For use only: Wait in client lab pickup ☐ Lab sampling ☐ Subsamples ☐	Sample Specific Notes / Special Instructions:
07658-0076-0001-50	11-16-1145										
07658-0077-0001-50	1200										
07658-0078-0001-50	1215										
07658-0079-0001-50	1600										
07658-0080-0001-50	1525										
07658-0081-0001-50	1550										
07658-0082-0001-50	1400										
07658-0083-0001-50	1620										
07658-0084-0001-50	1650										
07658-0085-0001-50	1700										
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown											
Special Instructions/QC Requirements & Comments: <u>HEX CARBON, METHOD EPA 7196A</u>											
Relinquished by: <u>[Signature]</u>		Company: <u>ECU</u>		Date/Time: <u>11-17-12 1120</u>		Received by:		Company:		Date/Time:	
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by: <u>Denny Burns</u>		Company: <u>TA</u>		Date/Time: <u>11/17/12 1120</u>	

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location:
Regulatory program:

☐ DW ☐ NPDES ☐ RCRA ☐ Other

Company Name: ECC		Client Project Manager: AL EASTMAN		Site Contact: J. DAVAN		Lab Contact: MARK LOLO		COC No: 048784	
Address: 33 BOSTON POST ROAD		Telephone: 		Telephone: 		Telephone: 		3 of 3 COCs	
City/State/Zip: MAINT 020 MA 0132		Email: 		Analysis Turnaround Time (in business days) 5 weeks		Analyses		For lab use only	
Project Name: 		Method of Shipment/Carrier: WAS DEL. TO LAB		TAT if different (in business days) 5 weeks		Wait for return		Lab sample	
Project Number: 		Shipping/Tracking No: 		Matrix		Containers & Preservatives		SOLSDO No	
P O #		Sample Date		Sample Time		Matrix		Sample Specific Notes / Special Instructions:	
Sample Identification		Sample Date		Sample Time		Matrix		Sample Specific Notes / Special Instructions:	
07658-0086-0001-50		11-16-12		1245		Matrix		Sample Specific Notes / Special Instructions:	
07658-0087-0001-50		11-16-12		1245		Matrix		Sample Specific Notes / Special Instructions:	
07658-0088-0001-50		11-16-12		1640		Matrix		Sample Specific Notes / Special Instructions:	
07658-0089-0001-50		11-16-12		1145		Matrix		Sample Specific Notes / Special Instructions:	
Possible Hazard Identification		Skin Irritant		Poison B		Unknown		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
☐ Non-Hazard		☐ Flammable		☐ Return to Client		☐ Disposal By Lab		Months	
Special Instructions/QC Requirements & Comments: HEX CHROM - EPA 7196A									
Relinquished by:		Company:		Received by:		Company:		Date/Time:	
Relinquished by:		Company:		Received by:		Company:		Date/Time:	
Relinquished by:		Company:		Received in Laboratory by:		Company:		Date/Time:	

TestAmerica Canton Sample Receipt Form/Narrative

Login # : 17810

Client ECC Site Name _____ By: [Signature] (Signature)
Cooler Received on 11/17/12 Opened on 11/17/12
FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____
TestAmerica Cooler # _____ Foam Box Client Cooler Box Other (BACK)
Packing material used: Bubble Wrap Foam Plastic Bag None Other _____
COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1 (CF -2 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C
IR GUN# 4G (CF 0 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C
IR GUN# 5G (CF 0 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C
IR GUN# 8 (CF 0 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

☒ Multiple on Back

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes No
-Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
-Were custody seals on the bottle(s)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Did all bottles arrive in good condition (Unbroken)? Yes No
7. Could all bottle labels be reconciled with the COC? Yes No
8. Were correct bottle(s) used for the test(s) indicated? Yes No
9. Sufficient quantity received to perform indicated analyses? Yes No
10. Were sample(s) at the correct pH upon receipt? Yes No NA
11. Were VOAs on the COC? Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a trip blank present in the cooler(s)? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO₃; Sulfuric Acid Lot# 051012-H₂SO₄; Sodium Hydroxide Lot# 121809-NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)? _____

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant
B10	1.2	1.2	IRUG	ICE
Client Cooler	2.0	2.0	1	1

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Login Number: 17810

List Number: 1

Creator: Gamber, Tom

List Source: TestAmerica Pittsburgh

List Creation: 12/20/12 05:24 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Chemical Corp.

Job Number: 240-17810-2

Login Number: 17810
List Number: 2
Creator: Gamber, Tom

List Source: TestAmerica Pittsburgh
List Creation: 12/20/12 05:44 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ ($1/4\text{''}$).	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	