1085983 - R8 SDMS

CSF CHAIN OF CUSTODY FORM

U.S. Environmental Protection Agency - Region 8
Environmental Services Division, Multi-Media Branch
Analytical Operations Section

Audit Number: 08-59-08
Case Number: 37402
Date CSF Received: 6/26/08
Site Name: Richardson Flat Tailings
Auditor: Carl Beard
Lab Name: DATAC
Date of Audit: 6/30/08
SDG Number: MN2600

Date of Transfer:
Comments:
Transfer to: Kathryn Hemarly
Affiliation: EPA
Transfer from (AOS): RSCC

CSF Relinquished By:

Print Name	Date	Signature
Don Goodrich	10/1/2008	Don Goodrich

CSF Received By:

Print Name	Date	Signature

CSF Relinquished By:

Print Name	Date	Signature

CSF Received By:

Print Name	Date	Signature

CSF Relinquished By:

Print Name	Date	Signature

CSF Received By:

Print Name	Date	Signature

08-59-08

CSF Relinquished By:

Print Name	Date	Signature

CSF Received By:

Print Name	Date	Signature

CSF Relinquished By:

Print Name	Date	Signature

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Print Name	Date	Signature

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Print Name	Date	Signature

CSF Received By:

Print Name	Date	Signature

CSF CHAIN OF CUSTODY FORM

U.S. Environmental Protection Agency - Region 8
Environmental Services Division, Multi-Media Branch
Analytical Operations Section

Audit Number: 08-59-08
Case Number: 37402
Date CSF Received: 6/26/08
Site Name: Richardson Flat Tailings
Auditor: Carl Beard
Lab Name: DATAC
Date of Audit: 6/30/08
SDG Number: MN2600

Date of Transfer:
Comments:
Transfer to: Kathryn Hennarty
Affiliation: EPA
Transfer from (AOS): RSCC

CSF Relinquished By:

Print Name | Date | Signature

CSF Received By:

Print Name | Date | Signature

CSF Relinquished By:

Print Name | Date | Signature

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Print Name | Date | Signature

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Print Name | Date | Signature

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Rev. 07/05/95

08-59-08

CSF Relinquished By:

Print Name	Date	Signature

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CSF Relinquished By:

Print Name	Date	Signature

CSF Received By:

Print Name	Date	Signature

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA Sample No.
MH2600

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

Matrix: (soil/water) WATER Lab Sample ID: 8155031001

Level: (low/med) LOW Date Received: 06/03/2008

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26.1			MS
7440-36-0	Antimony	8.6			MS
7440-38-2	Arsenic	7.7			MS
7440-39-3	Barium	59.5			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	4.4			MS
7440-70-2	Calcium	119000		D	MS
7440-47-3	Chromium	0.39	J		MS
7440-48-4	Cobalt	0.70	J		MS
7440-50-8	Copper	6.8		E	MS
7439-89-6	Iron	1330			MS
7439-92-1	Lead	43.4			MS
7439-95-4	Magnesium	36000			MS
7439-96-5	Manganese	155			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	5.0		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.89	J		MS
7440-22-4	Silver	0.18	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.60	J		MS
7440-62-2	Vanadium	0.74	J		MS
7440-66-6	Zinc	792			MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
E: The reported value is estimated due to the presence of interference.

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA Sample No.
MH2601

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

Matrix: (soil/water) WATER Lab Sample ID: 8155032001

Level: (low/med) LOW Date Received: 06/03/2008

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20.0	U		MS
7440-36-0	Antimony	7.9			MS
7440-38-2	Arsenic	6.0			MS
7440-39-3	Barium	58.8			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	3.9			MS
7440-70-2	Calcium	123000		D	MS
7440-47-3	Chromium	0.36	J		MS
7440-48-4	Cobalt	1.1			MS
7440-50-8	Copper	4.0		E	MS
7439-89-6	Iron	1200			MS
7439-92-1	Lead	5.2			MS
7439-95-4	Magnesium	36400			MS
7439-96-5	Manganese	152			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	5.2		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.70	J		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.39	J		MS
7440-62-2	Vanadium	0.58	J		MS
7440-66-6	Zinc	732			MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
E: The reported value is estimated due to the presence of interference.

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA Sample No.
MH2602

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

Matrix: (soil/water) WATER Lab Sample ID: 8155031002

Level: (low/med) LOW Date Received: 06/03/2008

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	45.3			MS
7440-36-0	Antimony	6.6			MS
7440-38-2	Arsenic	16.4			MS
7440-39-3	Barium	127			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	0.21	J		MS
7440-70-2	Calcium	44000			MS
7440-47-3	Chromium	0.65	J		MS
7440-48-4	Cobalt	0.31	J		MS
7440-50-8	Copper	3.3		E	MS
7439-89-6	Iron	724			MS
7439-92-1	Lead	46.2			MS
7439-95-4	Magnesium	15700			MS
7439-96-5	Manganese	44.7			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	1.6		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	5.0	U		MS
7440-22-4	Silver	0.18	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	6.1			MS
7440-66-6	Zinc	74.2			MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
E: The reported value is estimated due to the presence of interference.

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA Sample No.
MH2603

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

Matrix: (soil/water) WATER Lab Sample ID: 8155032002

Level: (low/med) LOW Date Received: 06/03/2008

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20.0	U		MS
7440-36-0	Antimony	6.0			MS
7440-38-2	Arsenic	13.3			MS
7440-39-3	Barium	124			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	43500			MS
7440-47-3	Chromium	0.53	J		MS
7440-48-4	Cobalt	0.33	J		MS
7440-50-8	Copper	0.83	J	E	MS
7439-89-6	Iron	478			MS
7439-92-1	Lead	5.7			MS
7439-95-4	Magnesium	15900			MS
7439-96-5	Manganese	36.8			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	1.6		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.34	J		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	5.9			MS
7440-66-6	Zinc	27.4			MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
E: The reported value is estimated due to the presence of interference.

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA Sample No.
MH2604

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

Matrix: (soil/water) WATER Lab Sample ID: 8155031003

Level: (low/med) LOW Date Received: 06/03/2008

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	24.7			MS
7440-36-0	Antimony	8.6			MS
7440-38-2	Arsenic	7.1			MS
7440-39-3	Barium	58.3			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	4.2			MS
7440-70-2	Calcium	123000		D	MS
7440-47-3	Chromium	0.39	J		MS
7440-48-4	Cobalt	0.67	J		MS
7440-50-8	Copper	6.4		E	MS
7439-89-6	Iron	1310			MS
7439-92-1	Lead	44.4			MS
7439-95-4	Magnesium	37100			MS
7439-96-5	Manganese	148			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	5.1		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.58	J		MS
7440-22-4	Silver	0.14	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.43	J		MS
7440-62-2	Vanadium	0.45	J		MS
7440-66-6	Zinc	725			MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
E: The reported value is estimated due to the presence of interference.

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA Sample No.
MH2605

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

Matrix: (soil/water) WATER Lab Sample ID: 8155032003

Level: (low/med) LOW Date Received: 06/03/2008

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2.0	J		MS
7440-36-0	Antimony	8.0			MS
7440-38-2	Arsenic	5.8			MS
7440-39-3	Barium	57.5			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	3.8			MS
7440-70-2	Calcium	125000		D	MS
7440-47-3	Chromium	0.40	J		MS
7440-48-4	Cobalt	0.84	J		MS
7440-50-8	Copper	4.1		E	MS
7439-89-6	Iron	1210			MS
7439-92-1	Lead	4.7			MS
7439-95-4	Magnesium	37500			MS
7439-96-5	Manganese	144			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	5.2		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.71	J		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.41	J		MS
7440-62-2	Vanadium	0.45	J		MS
7440-66-6	Zinc	664			MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
E: The reported value is estimated due to the presence of interference.

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA Sample No.
MH2606

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

Matrix: (soil/water) WATER Lab Sample ID: 8155031004

Level: (low/med) LOW Date Received: 06/03/2008

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18.4	J		MS
7440-36-0	Antimony	8.3			MS
7440-38-2	Arsenic	6.9			MS
7440-39-3	Barium	58.3			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	4.0			MS
7440-70-2	Calcium	123000		D	MS
7440-47-3	Chromium	0.40	J		MS
7440-48-4	Cobalt	0.65	J		MS
7440-50-8	Copper	6.0		E	MS
7439-89-6	Iron	1260			MS
7439-92-1	Lead	32.0			MS
7439-95-4	Magnesium	37200			MS
7439-96-5	Manganese	136			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	4.9		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.45	J		MS
7440-22-4	Silver	0.10	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.42	J		MS
7440-62-2	Vanadium	0.54	J		MS
7440-66-6	Zinc	665			MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
E: The reported value is estimated due to the presence of interference.

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA Sample No.
MH2607

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

Matrix: (soil/water) WATER Lab Sample ID: 8155032004

Level: (low/med) LOW Date Received: 06/03/2008

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3.4	J		MS
7440-36-0	Antimony	7.9			MS
7440-38-2	Arsenic	5.7			MS
7440-39-3	Barium	58.3			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	3.5			MS
7440-70-2	Calcium	125000		D	MS
7440-47-3	Chromium	0.40	J		MS
7440-48-4	Cobalt	1.2			MS
7440-50-8	Copper	4.1		E	MS
7439-89-6	Iron	1200			MS
7439-92-1	Lead	4.3			MS
7439-95-4	Magnesium	37300			MS
7439-96-5	Manganese	135			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	5.2		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.57	J		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.43	J		MS
7440-62-2	Vanadium	0.50	J		MS
7440-66-6	Zinc	622			MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
E: The reported value is estimated due to the presence of interference.

USEPA - CLP

2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

Initial Calibration Verification Source: EPA-1(1201)

Continuing Calibration Verification Source: I.V.

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	496.00	510.79	103	250.00	264.90	106	249.23	100	MS
Antimony	198.00	204.45	103	250.00	248.39	99	249.46	100	MS
Arsenic	199.00	200.97	101	250.00	249.37	100	250.81	100	MS
Barium	100.00	100.84	101	250.00	252.30	101	251.58	101	MS
Beryllium	99.00	100.88	102	250.00	259.54	104	260.06	104	MS
Cadmium	99.00	101.73	103	250.00	255.35	102	256.39	103	MS
Calcium	2036.00	2057.00	101	1000.00	1089.70	109	1077.40	108	MS
Chromium	98.00	98.06	100	250.00	247.20	99	247.61	99	MS
Cobalt	99.00	98.06	99	250.00	246.03	98	246.92	99	MS
Copper	98.00	99.94	102	250.00	249.09	100	249.60	100	MS
Iron	1021.00	1046.30	102	1000.00	1024.60	102	1014.80	101	MS
Lead	199.00	202.29	102	250.00	246.88	99	247.11	99	MS
Magnesium	1201.00	1277.50	106	1000.00	1062.00	106	1066.40	107	MS
Manganese	99.00	98.82	100	250.00	246.07	98	246.41	99	MS
Mercury									NR
Nickel	98.00	101.25	103	250.00	251.88	101	252.82	101	MS
Potassium									NR
Selenium	201.00	208.57	104	250.00	254.92	102	255.38	102	MS
Silver	99.00	98.06	99	250.00	246.93	99	248.91	100	MS
Sodium									NR
Thallium	205.00	208.40	102	250.00	248.63	99	248.38	99	MS
Vanadium	100.00	98.26	98	250.00	246.48	99	247.06	99	MS
Zinc	200.00	208.52	104	250.00	252.38	101	252.63	101	MS
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

Initial Calibration Verification Source: _____

Continuing Calibration Verification Source: I.V.

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				250.00	247.35	99			MS
Antimony				250.00	247.79	99			MS
Arsenic				250.00	252.76	101	250.10	100	MS
Barium				250.00	251.48	101			MS
Beryllium				250.00	258.74	103			MS
Cadmium				250.00	257.59	103	254.97	102	MS
Calcium				1000.00	1043.40	104	1033.90	103	MS
Chromium				250.00	247.81	99			MS
Cobalt				250.00	246.52	99			MS
Copper				250.00	250.14	100			MS
Iron				1000.00	1007.40	101			MS
Lead				250.00	247.00	99			MS
Magnesium				1000.00	1042.00	104			MS
Manganese				250.00	244.82	98			MS
Mercury									NR
Nickel				250.00	253.10	101			MS
Potassium									NR
Selenium				250.00	258.47	103	254.64	102	MS
Silver				250.00	247.96	99			MS
Sodium									NR
Thallium				250.00	248.85	100			MS
Vanadium				250.00	245.88	98			MS
Zinc				250.00	252.94	101			MS
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2B-IN
CRQL CHECK STANDARD

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

CRQL Check Standard Source: I.V.

Concentration Units: ug/L

	CRDL Check Standard				
	Initial			Final	
Analyte	True	Found*	%R(1)	Found*	%R(1)
Aluminum					
Antimony	2.00	2.46	123	1.90J	95
Arsenic	1.00	1.09	109	0.91J	91
Barium	10.00	9.76J	98	9.75J	98
Beryllium	1.00	1.23	123	1.01	101
Cadmium	1.00	1.20	120	0.93J	93
Calcium					
Chromium	2.00	2.09	105	2.00J	100
Cobalt	1.00	1.14	114	0.93J	93
Copper	2.00	2.28	114	1.97J	99
Iron					
Lead	1.00	1.15	115	0.94J	94
Magnesium					
Manganese	1.00	1.13	113	0.95J	95
Mercury					
Nickel	1.00	1.17	117	1.00J	100
Potassium					
Selenium	5.00	4.99J	100	4.92J	98
Silver	1.00	1.07	107	1.00J	100
Sodium					
Thallium	1.00	1.12	112	0.83J	83
Vanadium	5.00	4.89J	98	4.73J	95
Zinc	2.00	2.09	105	2.06	103
Cyanide					

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150.
ICP-MS - Cobalt, Manganese, and Zinc: 50-150.

* If applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury).

USEPA - CLP

2B-IN
CRQL CHECK STANDARD

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

CRQL Check Standard Source: I.V.

Concentration Units: ug/L

	CRDL Check Standard				
	Initial			Final	
Analyte	True	Found*	%R(1)	Found*	%R(1)
Aluminum					
Antimony					
Arsenic	1.00			0.92J	92
Barium					
Beryllium					
Cadmium	1.00			0.94J	94
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Mercury					
Nickel					
Potassium					
Selenium	5.00			5.02	100
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					
Cyanide					

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150.
ICP-MS - Cobalt, Manganese, and Zinc: 50-150.

* If applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury).

USEPA - CLP

3-IN
BLANKS

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	1	C	2	C	3	C		C	M
Aluminum	-2.187	J	2.148	J	-1.795	J	-2.621	J	6.865	J	MS
Antimony	1.174	J	0.559	J	0.515	J	0.486	J	0.269	J	MS
Arsenic	0.474	J	0.133	J	1.000	U	1.000	U	0.134	J	MS
Barium	0.281	J	0.033	J	0.092	J	10.000	U	0.042	J	MS
Beryllium	0.331	J	0.028	J	0.032	J	1.000	U	1.000	U	MS
Cadmium	0.421	J	0.152	J	-0.029	J	-0.047	J	0.054	J	MS
Calcium	3.368	J	43.725	J	14.348	J	500.000	U	46.553	J	MS
Chromium	0.253	J	2.000	U	0.048	J	2.000	U	0.251	J	MS
Cobalt	0.308	J	1.000	U	0.041	J	1.000	U	0.025	J	MS
Copper	0.514	J	0.298	J	0.247	J	0.121	J	0.185	J	MS
Iron	4.306	J	6.945	J	10.000	U	10.000	U	8.745	J	MS
Lead	0.335	J	1.000	U	0.042	J	1.000	U	1.000	U	MS
Magnesium	-2.013	J	3.035	J	4.439	J	-0.846	J	5.904	J	MS
Manganese	0.294	J	1.000	U	0.067	J	1.000	U	0.039	J	MS
Mercury											NR
Nickel	0.302	J	1.000	U	1.000	U	1.000	U	1.000	U	MS
Potassium											NR
Selenium	0.545	J	5.000	U	5.000	U	5.000	U	0.248	J	MS
Silver	0.610	J	0.019	J	0.037	J	1.000	U	1.000	U	MS
Sodium											NR
Thallium	0.313	J	1.000	U	-0.044	J	-0.073	J	1.000	U	MS
Vanadium	0.300	J	5.000	U	0.055	J	5.000	U	5.000	U	MS
Zinc	0.206	J	-0.139	J	2.000	U	2.000	U	1.235	J	MS
Cyanide											NR

USEPA - CLP

3-IN
BLANKS

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum											NR
Antimony											NR
Arsenic			1.000	U							MS
Barium											NR
Beryllium											NR
Cadmium			-0.040	J							MS
Calcium			6.962	J							MS
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium			5.000	U							MS
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

USEPA - CLP

4B-IN
ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

ICP-MS Instrument ID: ICPM02 ICS Source: EPA(0803)

Concentration Units: ug/L

Analyte	True		Found			
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R
Aluminum	100000	100000	99200	99	101000	101
Antimony	1.5	22.0	1.5	100	21.2	96
Arsenic	0.10	19.0	-0.40	400	19.0	100
Barium	1.2	22.0	1.5	125	23.3	106
Beryllium	0.0	19.0	0.30		19.0	100
Cadmium	0.70	20.0	3.6	514	22.5	113
Calcium	100000	100000	115000	115	120000	120
Carbon						
Chloride						
Chromium	21.0	40.0	20.5	98	41.0	103
Cobalt	1.0	20.0	1.4	140	21.6	108
Copper	8.0	25.0	7.9	99	26.7	107
Iron	100000	100000	112000	112	112000	112
Lead	4.0	25.0	4.5	113	25.5	102
Magnesium	100000	100000	106000	106	109000	109
Manganese	7.0	27.0	7.8	111	28.2	104
Molybdenum						
Nickel	6.0	24.0	7.6	127	27.7	115
Phosphorus						
Potassium						
Selenium	0.30	19.0	-3.2	1067	15.4	81
Silver	0.0	18.0	0.043		17.9	99
Sodium						
Sulfur						
Thallium	0.0	21.0	-0.0026		21.1	100
Titanium						
Vanadium	0.50	19.0	0.21	42	21.1	111
Zinc	11.0	29.0	11.7	106	30.0	103

USEPA - CLP

7-IN
LABORATORY CONTROL SAMPLE

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

Solid LCS Source: _____

Aqueous LCS Source: EPA-1(1201)

	Aqueous (ug/L)			Solid (mg/kg)					
Analyte	True	Found	%R	True	Found	C	Limits		%R
Aluminum	496.0	518.87	105						
Antimony	198.0	199.08	101						
Arsenic	199.0	191.42	96						
Barium	100.0	98.14	98						
Beryllium	99.0	99.19	100						
Cadmium	99.0	98.68	100						
Calcium	2036.0	2145.50	105						
Chromium	98.0	96.56	99						
Cobalt	99.0	96.86	98						
Copper	98.0	98.66	101						
Iron	1021.0	1034.50	101						
Lead	199.0	197.87	99						
Magnesium	1201.0	1279.20	107						
Manganese	99.0	96.15	97						
Mercury									
Nickel	98.0	99.57	102						
Potassium									
Selenium	201.0	202.37	101						
Silver	99.0	96.39	97						
Sodium									
Thallium	205.0	202.60	99						
Vanadium	100.0	96.72	97						
Zinc	200.0	204.20	102						
Cyanide									

USEPA - CLP

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA Sample No.

MH2600L

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

Matrix: (soil/water) WATER Level: (low/med) LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	26.14		29.32	J	12		MS
Antimony	8.62		9.20	J	7		MS
Arsenic	7.75		7.86		1		MS
Barium	59.48		61.95		4		MS
Beryllium	1.00	U	5.00	U			MS
Cadmium	4.40		4.63	J	5		MS
Calcium	59673.00		58560.00		2		MS
Chromium	0.39	J	0.98	J	151		MS
Cobalt	0.70	J	1.39	J	99		MS
Copper	6.76		8.11	J	20	E	MS
Iron	1328.20		1382.85		4		MS
Lead	43.38		41.40		5		MS
Magnesium	36039.00		36755.00		2		MS
Manganese	155.34		156.23		1		MS
Nickel	4.98		5.91		19	E	MS
Potassium							NR
Selenium	0.89	J	25.00	U	100		MS
Silver	0.18	J	0.34	J	89		MS
Sodium							NR
Thallium	0.60	J	5.00	U	100		MS
Vanadium	0.74	J	25.00	U	100		MS
Zinc	792.44		863.00		9		MS

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

Instrument Type: MS Instrument ID: ICPM02 Date: 01/17/2008

Preparation Method: NP1

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum	27.00	20.0	0.32
Antimony	121.00	2.0	0.10
Arsenic	75.00	1.0	0.073
Barium	137.00	10.0	0.028
Beryllium	9.00	1.0	0.016
Cadmium	111.00	1.0	0.024
Calcium	44.00	500	3.2
Chromium	52.00	2.0	0.040
Cobalt	59.00	1.0	0.017
Copper	63.00	2.0	0.052
Iron	57.00	10.0	3.3
Lead	206,207,208	1.0	0.019
Magnesium	24.00	500.0	0.39
Manganese	55.00	1.0	0.022
Mercury			
Nickel	60.00	1.0	0.052
Potassium			
Selenium	82.00	5.0	0.16
Silver	107.00	1.0	0.018
Sodium			
Thallium	205.00	1.0	0.017
Vanadium	51.00	5.0	0.035
Zinc	66.00	2.0	0.12
Cyanide			

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

Instrument Type: MS Instrument ID: ICPM02 Date: 01/21/2008

Preparation Method: HW3

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum	27.00	20.0	1.6
Antimony	121.00	2.0	0.085
Arsenic	75.00	1.0	0.12
Barium	137.00	10.0	0.034
Beryllium	9.00	1.0	0.13
Cadmium	111.00	1.0	0.017
Calcium	44.00	500.0	3.4
Chromium	52.00	2.0	0.040
Cobalt	59.00	1.0	0.015
Copper	63.00	2.0	0.066
Iron	57.00	10.0	7.9
Lead	206,207,208	1.0	0.058
Magnesium	24.00	500.0	1.1
Manganese	55.00	1.0	0.034
Mercury			
Nickel	60.00	1.0	0.048
Potassium			
Selenium	82.00	5.0	0.23
Silver	107.00	1.0	0.048
Sodium			
Thallium	205.00	1.0	0.28
Vanadium	51.00	5.0	0.35
Zinc	66.00	2.0	0.97
Cyanide			

Comments:

USEPA - CLP

11-IN
ICP-AES and ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

ICP Instrument ID: ICPM02 Date: 04/13/2008

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Aluminum	160.00	120000	MS
Antimony	160.00	1000	MS
Arsenic	160.00	5000	MS
Barium	160.00	5000	MS
Beryllium	160.00	5000	MS
Cadmium	160.00	5000	MS
Calcium	160.00	120000	MS
Chromium	160.00	5000	MS
Cobalt	160.00	5000	MS
Copper	160.00	5000	MS
Iron	160.00	120000	MS
Lead	160.00	5000	MS
Magnesium	160.00	120000	MS
Manganese	160.00	5000	MS
Nickel	160.00	5000	MS
Potassium			NR
Selenium	160.00	5000	MS
Silver	160.00	1000	MS
Sodium			NR
Thallium	160.00	5000	MS
Vanadium	160.00	5000	MS
Zinc	160.00	5000	MS

Comments:

USEPA - CLP

12-IN
PREPARATION LOG

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

Preparation Method: HW3

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
PBW	06/09/2008		50
LCSW	06/09/2008		50
MH2600	06/09/2008		50
MH2601	06/09/2008		50
MH2602	06/09/2008		50
MH2603	06/09/2008		50
MH2604	06/09/2008		50
MH2605	06/09/2008		50
MH2606	06/09/2008		50
MH2607	06/09/2008		50

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

Instrument ID: ICPM02 Analysis Method: MS

Start Date: 06/17/2008 End Date: 06/17/2008

EPA Sample No.	D/F	Time	Analytes																									
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
TUNE	1.0	1659																										
S0	1.0	1718	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
S2	1.0	1724	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
S5	1.0	1729	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
S10	1.0	1734	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
S50	1.0	1740	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
S200	1.0	1745	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
S500	1.0	1751	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
S1000	1.0	1756	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
S1500	1.0	1801	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
S2000	1.0	1807	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
ICV	1.0	1812	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
ICB	1.0	1818	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
CRII	1.0	1823	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
ICSA	1.0	1828	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
ICSAB	1.0	1834	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
CCV	1.0	1839	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
CCB	1.0	1845	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
PBW	1.0	1850	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
LCSW	1.0	1855	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
MH2600	1.0	1901	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
ZZZZZZ	1.0	1906																										
MH2600L	5.0	1912	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
MH2602	1.0	1917	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
MH2604	1.0	1922	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
MH2606	1.0	1928	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
CCV2	1.0	1933	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
CCB2	1.0	1939	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
MH2601	1.0	1944	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
MH2603	1.0	1949	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
MH2605	1.0	1955	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
MH2607	1.0	2000	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
CRIF	1.0	2006	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
CCV3	1.0	2011	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			
CCB3	1.0	2016	X	X		X	X			X	X	X	X	X	X	X		X			X		X	X	X			

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

Instrument ID: ICPM02 Analysis Method: MS

Start Date: 06/18/2008 End Date: 06/18/2008

EPA Sample No.	D/F	Time	Analytes																									
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
TUNE	1.0	1214																										
S0	1.0	1510			X			X	X											X								
S2	1.0	1515			X			X	X											X								
S5	1.0	1521			X			X	X											X								
S10	1.0	1526			X			X	X											X								
S50	1.0	1532			X			X	X											X								
S200	1.0	1537			X			X	X											X								
S500	1.0	1542			X			X	X											X								
S1000	1.0	1548			X			X	X											X								
S1500	1.0	1553			X			X	X											X								
S2000	1.0	1559			X			X	X											X								
ICV2	1.0	1604			X			X	X											X								
ICB2	1.0	1610			X			X	X											X								
CRII2	1.0	1615			X			X	X											X								
ICSA2	1.0	1620			X			X	X											X								
ICSAB2	1.0	1626			X			X	X											X								
CCV4	1.0	1631			X			X	X											X								
CCB4	1.0	1637			X			X	X											X								
PBW	1.0	1642			X			X	X											X								
LCSW	1.0	1648			X			X	X											X								
MH2600	1.0	1653			X			X												X								
ZZZZZZ	1.0	1658																										
MH2600L	5.0	1704			X			X												X								
MH2602	1.0	1709			X			X	X											X								
MH2604	1.0	1715			X			X												X								
MH2606	1.0	1720			X			X												X								
CCV5	1.0	1726			X			X	X											X								
CCB5	1.0	1731			X			X	X											X								
MH2601	1.0	1736			X			X												X								
MH2603	1.0	1742			X			X	X											X								
MH2605	1.0	1747			X			X												X								
MH2607	1.0	1753			X			X												X								
CRIF2	1.0	1758			X			X	X											X								
CCV6	1.0	1803			X			X	X											X								
CCB6	1.0	1809			X			X	X											X								
MH2600	2.0	1814							X																			

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

Instrument ID: ICPM02 Analysis Method: MS

Start Date: 06/18/2008 End Date: 06/18/2008

EPA Sample No.	D/F	Time	Analytes																									
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
MH2600L	10	1820							X																			
MH2604	2.0	1825							X																			
MH2606	2.0	1831							X																			
MH2601	2.0	1836							X																			
MH2605	2.0	1842							X																			
MH2607	2.0	1847							X																			
CRIF3	1.0	1852			X			X	X											X								
CCV7	1.0	1858			X			X	X											X								
CCB7	1.0	1903			X			X	X											X								

USEPA - CLP

14-IN
ICP-MS Tune

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

ICP-MS Instrument ID: ICPM02 Date: 06/17/2008

Element - Mass	Avg. Measured Mass (amu)	Avg. Peak Width at Peak Height (amu)	%RSD
Be - 9	9.01	0.66	0.5
Mg - 24	23.99	0.66	0.4
Mg - 25	24.99	0.66	0.9
Mg - 26	25.98	0.66	0.6
Co - 59	58.93	0.66	0.6
In - 113	112.90	0.66	0.5
In - 115	114.90	0.66	0.6
Pb - 206	205.97	0.66	0.6
Pb - 207	206.98	0.66	0.6
Pb - 208	207.98	0.66	0.7

Comments:

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14-IN
ICP-MS Tune

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

ICP-MS Instrument ID: ICPM02 Date: 06/18/2008

Element - Mass	Avg. Measured Mass (amu)	Avg. Peak Width at Peak Height (amu)	%RSD
Be - 9	9.01	0.71	0.6
Mg - 24	23.99	0.71	0.7
Mg - 25	24.99	0.66	1.1
Mg - 26	25.98	0.66	0.6
Co - 59	58.93	0.66	0.7
In - 113	112.90	0.66	0.7
In - 115	114.90	0.66	0.6
Pb - 206	205.97	0.66	0.6
Pb - 207	206.98	0.77	0.6
Pb - 208	207.98	0.71	0.7

Comments:

USEPA - CLP

15-IN
ICP-MS Internal Standards Relative Intensity Summary

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

ICP-MS Instrument ID: ICPM02 Start Date: 06/17/2008 End Date: 06/17/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 115In	Q	Element 159Tb	Q
S0	1718	100		100		100		100		100	
S2	1724	100		100		100		100		100	
S5	1729	102		99		97		96		95	
S10	1734	101		99		96		95		95	
S50	1740	101		97		94		93		92	
S200	1745	96		94		92		92		93	
S500	1751	92		90		90		90		92	
S1000	1756	87		81		80		81		82	
S1500	1801	86		79		77		78		80	
S2000	1807	84		78		77		78		79	
ICV	1812	87		83		83		84		86	
ICB	1818	91		85		83		83		84	
CRII	1823	92		86		83		83		84	
ICSA	1828	79		79		74		80		77	
ICSAB	1834	82		85		80		85		82	
CCV	1839	92		97		95		94		94	
CCB	1845	94		99		96		94		94	
PBW	1850	92		92		89		89		89	
LCSW	1855	89		87		86		86		87	
MH2600	1901	90		90		87		84		89	
ZZZZZZ	1906										
MH2600L	1912	99		97		93		92		93	
MH2602	1917	94		95		90		89		91	

USEPA - CLP

15-IN
ICP-MS Internal Standards Relative Intensity Summary

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

ICP-MS Instrument ID: ICPM02 Start Date: 06/17/2008 End Date: 06/17/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	1718	100									
S2	1724	100									
S5	1729	95									
S10	1734	94									
S50	1740	93									
S200	1745	94									
S500	1751	93									
S1000	1756	86									
S1500	1801	82									
S2000	1807	82									
ICV	1812	89									
ICB	1818	87									
CRII	1823	86									
ICSA	1828	74									
ICSAB	1834	77									
CCV	1839	94									
CCB	1845	93									
PBW	1850	90									
LCSW	1855	88									
MH2600	1901	80									
ZZZZZZ	1906										
MH2600L	1912	90									
MH2602	1917	88									

USEPA - CLP

15-IN

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

ICP-MS Instrument ID: ICPM02 Start Date: 06/17/2008 End Date: 06/17/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 115In	Q	Element 159Tb	Q
MH2604	1922	93		89		86		84		89	
MH2606	1928	91		89		86		84		90	
CCV2	1933	93		91		90		90		92	
CCB2	1939	96		94		92		92		93	
MH2601	1944	91		87		84		81		87	
MH2603	1949	92		89		86		86		89	
MH2605	1955	91		86		83		81		87	
MH2607	2000	90		85		82		81		86	
CRIF	2006	99		94		91		91		92	
CCV3	2011	91		86		84		85		86	
CCB3	2016	93		88		86		86		88	

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15-IN
ICP-MS Internal Standards Relative Intensity Summary

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

ICP-MS Instrument ID: ICPM02 Start Date: 06/17/2008 End Date: 06/17/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
MH2604	1922	80									
MH2606	1928	81									
CCV2	1933	93									
CCB2	1939	94									
MH2601	1944	79									
MH2603	1949	88									
MH2605	1955	79									
MH2607	2000	79									
CRIF	2006	93									
CCV3	2011	89									
CCB3	2016	89									

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15-IN

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

ICP-MS Instrument ID: ICPM02 Start Date: 06/18/2008 End Date: 06/18/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 115In	Q	Element 159Tb	Q
S0	1510	100		100		100		100		100	
S2	1515	101		100		99		98		98	
S5	1521	101		100		98		97		96	
S10	1526	102		100		98		97		96	
S50	1532	101		99		97		96		95	
S200	1537	98		96		96		96		97	
S500	1542	96		94		94		94		94	
S1000	1548	92		88		88		89		90	
S1500	1553	91		85		85		86		87	
S2000	1559	89		83		83		84		87	
ICV2	1604	91		86		86		87		89	
ICB2	1610	94		89		88		89		90	
CRII2	1615	98		92		90		90		91	
ICSA2	1620	84		90		89		95		94	
ICSAB2	1626	87		96		98		104		104	
CCV4	1631	96		105		110		111		117	
CCB4	1637	98		108		111		113		118	
PBW	1642	98		104		108		111		116	
LCSW	1648	96		99		104		107		113	
MH2600	1653	96		98		101		101		111	
ZZZZZZ	1658										
MH2600L	1704	104		102		105		107		114	
MH2602	1709	100		102		103		105		111	

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15-IN

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

ICP-MS Instrument ID: ICPM02 Start Date: 06/18/2008 End Date: 06/18/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	1510	100									
S2	1515	98									
S5	1521	96									
S10	1526	96									
S50	1532	95									
S200	1537	97									
S500	1542	95									
S1000	1548	91									
S1500	1553	89									
S2000	1559	88									
ICV2	1604	91									
ICB2	1610	91									
CRII2	1615	92									
ICSA2	1620	90									
ICSAB2	1626	98									
CCV4	1631	114									
CCB4	1637	116									
PBW	1642	115									
LCSW	1648	113									
MH2600	1653	102									
ZZZZZZ	1658										
MH2600L	1704	110									
MH2602	1709	108									

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15-IN

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

ICP-MS Instrument ID: ICPM02 Start Date: 06/18/2008 End Date: 06/18/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 115In	Q	Element 159Tb	Q
MH2604	1715	98		96		99		99		109	
MH2606	1720	100		99		102		102		111	
CCV5	1726	100		100		103		106		110	
CCB5	1731	102		103		105		107		111	
MH2601	1736	100		97		98		98		106	
MH2603	1742	99		99		100		102		110	
MH2605	1747	99		97		98		98		108	
MH2607	1753	101		98		99		99		108	
CRIF2	1758	109		106		108		110		114	
CCV6	1803	100		97		99		101		105	
CCB6	1809	101		99		100		102		106	
MH2600	1814	101		95		96		97		104	
MH2600L	1820	106		100		101		103		108	
MH2604	1825	103		96		97		98		105	
MH2606	1831	104		97		98		99		108	
MH2601	1836	103		97		98		99		108	
MH2605	1842	102		96		98		99		106	
MH2607	1847	103		96		98		99		107	
CRIF3	1852	108		102		104		106		111	
CCV7	1858	98		94		97		99		104	
CCB7	1903	99		96		98		100		104	

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15-IN
ICP-MS Internal Standards Relative Intensity Summary

Lab Name: DataChem Laboratories Contract: EP-W-06-054

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2600

ICP-MS Instrument ID: ICPM02 Start Date: 06/18/2008 End Date: 06/18/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
MH2604	1715	100									
MH2606	1720	102									
CCV5	1726	111									
CCB5	1731	111									
MH2601	1736	98									
MH2603	1742	106									
MH2605	1747	98									
MH2607	1753	99									
CRIF2	1758	112									
CCV6	1803	106									
CCB6	1809	105									
MH2600	1814	99									
MH2600L	1820	106									
MH2604	1825	100									
MH2606	1831	102									
MH2601	1836	102									
MH2605	1842	102									
MH2607	1847	102									
CRIF3	1852	110									
CCV7	1858	105									
CCB7	1903	105									

Run MS208065 Summary		9Be	24Mg	27Al	44Ca	51V	52Cr	55Mn	57Fe	59Co	60Ni	63Cu	66Zn	75As	82Se	107Ag	111Cd	121Sb	137Ba	205Tl	208Pb	6Li	45Sc	89Y	115In	159Tb	209Bi
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
S0	06/17/2008 17:18:43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
S2	06/17/2008 17:24:06	1.881	1.3164	1.6967	3.1031	1.8495	1.864	1.8778	1.8403	1.8137	1.9249	1.9005	2.2547	2.0078	2.1327	1.8398	1.9376	1.9018	1.9429	1.8231	1.8427	100.11%	99.71%	99.68%	99.68%	99.96%	100.47%
S5	06/17/2008 17:29:27	4.9732	5.8454	6.1822	12.927	4.735	4.777	4.728	11.87	4.738	5.0304	4.9015	5.0709	5.1376	5.4524	4.8097	4.9635	4.8341	4.9512	4.7214	4.7554	101.85%	99.12%	96.80%	95.64%	94.84%	94.96%
S10	06/17/2008 17:34:50	9.9899	9.4218	9.5285	12.979	9.4454	9.6819	9.4106	14.707	9.4902	9.9617	9.8724	10.974	9.9893	10.517	9.6583	9.8046	9.5854	9.8414	9.3901	9.4937	101.16%	98.67%	95.92%	95.28%	94.66%	94.30%
S50	06/17/2008 17:40:13	49.342	48.349	48.365	52.42	46.622	47.172	46.686	53.693	46.703	48.875	48.115	48.75	49.227	49.844	47.46	48.681	47.14	49.384	46.521	47.235	101.32%	97.36%	94.23%	93.32%	92.23%	92.78%
S200	06/17/2008 17:45:36	199.85	202.29	198.21	203.35	193.98	195.76	193.63	197.67	194.17	199.72	196.99	199.82	198.96	198.96	195.55	197.81	196.03	198.88	194.74	194.15	96.27%	93.75%	92.27%	92.29%	92.62%	94.04%
S500	06/17/2008 17:51:00	500.13	514.26	500.88	505.43	502.76	501.99	502.9	501.89	502.67	500.23	501.4	500.17	500.49	500.42	502.05	501.01	501.88	500.51	502.47	502.63	92.14%	90.48%	89.88%	90.25%	91.88%	93.41%
S1000	06/17/2008 17:56:24	1002.7	1000.7	999.47	1025	988.59	993.73	997.46	1009.8	994.68	1013.5	1025.9	1010.7	1001.7	998.59	1035.5	1002.2	1013.8	1002.1	993.8	997.64	87.48%	81.29%	80.28%	81.09%	82.37%	85.53%
S1500	06/17/2008 18:01:48	1510.6	1486.9	1462.2	1506.8	1483.1	1494.6	1500.3	1504.7	1505	1543	1484.3	1517.4	1512.4	1495	1516	1512.5	1558.2	1519.9	1500.7	1505.6	85.99%	79.01%	77.26%	78.05%	79.78%	82.48%
S2000	06/17/2008 18:07:13	2014.5	2005.8	1948.2	1980.6	1979.9	1991.6	1992.3	1991.2	1993.5	2059.8	1964.1	2014.8	2011.2	1969	1987.4	2014.1	2090.2	2034.2	2000.7	1990.1	84.37%	78.35%	76.88%	77.84%	79.30%	82.24%
ICV	06/17/2008 18:12:38	100.88	1277.5	510.79	2056.5	98.258	98.061	98.816	1046.3	98.058	101.25	99.935	208.52	198.77	207.9	98.063	101.03	204.45	100.84	208.4	202.29	87.04%	82.60%	82.56%	83.55%	86.41%	89.44%
ICB	06/17/2008 18:18:04	0.3312	-2.0127	-2.1868	-2.0786	0.3001	0.2527	0.2936	4.3064	0.3079	0.3018	0.5138	0.2063	0.4185	0.6176	0.61	0.3416	1.1737	0.281	0.3125	0.3352	91.35%	85.47%	83.23%	83.49%	84.16%	87.25%
CRII	06/17/2008 18:23:28	1.2271	-2.0921	-2.2839	-2.5774	4.8946	2.0853	1.1329	3.763	1.1389	1.171	2.2754	2.0863	1.4083	5.7783	1.0698	1.1979	2.4629	9.7606	1.1237	1.1545	92.42%	86.16%	83.44%	83.11%	83.94%	86.37%
ICSA	06/17/2008 18:28:51	0.3044	106200	99201	112710	0.2109	20.501	7.7596	111630	1.4445	7.6422	7.8979	11.683	-0.9237	-5.3243	0.0431	3.9297	1.4762	1.5346	-0.0026	4.4547	79.16%	79.32%	74.42%	80.22%	77.18%	74.06%
ICSAB	06/17/2008 18:34:13	19.048	109120	100900	114610	21.061	41	28.217	112330	21.562	27.682	26.667	30.013	19.455	14.685	17.914	22.715	21.176	23.347	21.133	25.451	81.90%	84.67%	79.94%	85.47%	81.64%	77.09%
CCV	06/17/2008 18:39:37	259.54	1062	264.9	1027.4	246.48	247.2	246.07	1024.6	246.03	251.88	249.09	252.38	252.61	255.56	246.93	249.97	248.39	252.3	248.63	246.88	92.48%	96.89%	95.06%	94.34%	94.35%	94.34%
CCB	06/17/2008 18:45:00	0.0276	3.0351	2.1476	5.9712	0.0198	0.0313	0.0182	6.9445	0.0122	-0.011	0.2982	-0.1385	0.1102	0.3761	0.0193	0.0181	0.5593	0.0332	0.0047	0.0164	94.36%	98.64%	95.53%	93.93%	93.55%	92.73%
PBW	06/17/2008 18:50:24	0.0265	5.9035	6.8651	22.472	-0.0566	0.2511	0.0389	8.7446	0.0249	0.0225	0.185	1.2352	0.1033	0.3858	0.0178	0.0264	0.2685	0.0416	-0.052	0.0288	91.69%	92.36%	89.30%	88.65%	89.05%	89.59%
LCSW	06/17/2008 18:55:48	99.187	1279.2	518.87	2075.7	96.719	96.556	96.146	1034.5	96.862	99.569	98.655	204.2	196.66	205.81	96.388	98.865	199.08	98.143	202.6	197.87	88.90%	87.38%	85.55%	85.72%	87.30%	88.49%
MH2600	06/17/2008 19:01:12	0.0381	36039	26.142	159780	0.7433	0.3942	155.34	1328.2	0.6975	4.9768	6.7558	792.44	7.7828	0.9532	0.1803	4.3705	8.6201	59.483	0.6012	43.376	90.45%	90.19%	86.57%	83.92%	88.84%	79.59%
ZZZZZZ	06/17/2008 19:06:38	47.743	36659	493.91	161730	494.31	183.78	636.15	1849.8	469.18	453.39	223.34	1244.5	46.874	10.59	44.076	51.028	106.46	2083.8	50.289	63.17	88.20%	89.74%	86.50%	83.75%	88.18%	79.06%
MH2600L	06/17/2008 19:12:02	0.0348	7351	5.8634	30298	0.2457	0.1951	31.245	276.57	0.2778	1.1821	1.6212	172.6	1.6008	0.31	0.0689	0.9589	1.8395	12.39	0.0926	8.2792	99.32%	96.68%	92.88%	91.74%	92.93%	89.99%
MH2602	06/17/2008 19:17:28	0.009	15738	45.315	60460	6.0834	0.6513	44.708	723.91	0.313	1.6406	3.3149	74.248	16.714	0.6317	0.1756	0.2985	6.5738	126.53	0.0472	46.247	94.31%	94.96%	89.87%	89.47%	91.30%	87.98%
MH2604	06/17/2008 19:22:54	-0.0066	37054	24.708	163800	0.4468	0.3886	148.06	1311.9	0.6712	5.0837	6.3897	725.42	7.4274	0.9482	0.1421	4.2177	8.5606	58.291	0.4283	44.383	92.81%	89.24%	86.17%	83.87%	88.94%	79.95%
MH2606	06/17/2008 19:28:19	-0.0071	37151	18.441	162860	0.5367	0.4028	136.08	1261	0.6489	4.8892	5.9555	665.46	7.1179	1.0084	0.1003	3.9514	8.304	58.288	0.4228	31.991	91.06%	88.69%	86.35%	84.37%	89.62%	81.14%
CCV2	06/17/2008 19:33:41	260.06	1066.4	249.23	1025.1	247.06	247.61	246.41	1014.8	246.92	252.82	249.6	252.63	252.32	254.74	248.91	251.54	249.46	251.58	248.38	247.11	92.86%	91.45%	90.14%	90.20%	91.54%	92.70%
CCB2	06/17/2008 19:39:05	0.032	4.4387	-1.7948	21.449	0.0548	0.0476	0.0672	0.3356	0.0407	0.03	0.2467	0.0677	0.0803	0.2782	0.0369	0.0431	0.5154	0.0923	-0.0443	0.042	95.59%	94.06%	92.36%	91.92%	93.21%	93.76%
MH2601	06/17/2008 19:44:29	-0.0073	36368	1.1358	161520	0.58	0.3605	151.51	1196.3	1.0693	5.1569	4.0446	731.79	6.127	0.876	0.019	3.8532	7.8742	58.793	0.388	5.2303	90.90%	86.57%	83.73%	81.47%	86.59%	78.76%
MH2603	06/17/2008 19:49:54	0.02	15890	0.928	61088	5.9431	0.5261	36.832	477.66	0.3322	1.5635	0.8265	27.389	13.706	0.6472	0.042	0.0519	6.02	124.44	0.0096	5.6588	92.26%	89.42%	85.88%	86.28%	89.28%	87.63%
MH2605	06/17/2008 19:55:18	-0.0063	37460	1.961	166210	0.4492	0.4046	144.3	1213.7	0.8393	5.1779	4.0569	664.08	5.9536	1.2107	0.0371	3.839	7.9929	57.485	0.4078	4.6647	91.26%	85.83%	82.86%	80.75%	86.79%	78.79%
MH2607	06/17/2008 20:00:43	-0.0153	37312	3.4231	165790	0.4997	0.4034	135.21	1203.3	1.1555	5.2273	4.0844	621.81	6.0485	1.2046	0.047	3.6472	7.909	58.256	0.4307	4.2739	90.14%	85.12%	82.38%	80.51%	85.87%	78.52%
CRIF	06/17/2008 20:06:07	1.0074	6.8455	-2.4308	34.71	4.7322	1.9975	0.952	-3.9558	0.9253	0.9954	1.9683	2.0589	1.0554	5.2699	0.9966	1.0006	1.8995	9.7488	0.8255	0.9401	98.58%	93.78%	90.89%	90.89%	91.51%	93.38%
CCV3	06/17/2008 20:11:32	258.74	1042	247.35	1017.2	245.88	247.81	244.82	1007.4	246.52	253.1	250.14	252.94	252.37	253.99	247.96	250.77	247.79	251.48	248.85	247	91.10%	86.04%	84.25%	84.67%	85.91%	88.58%
CCB3	06/17/2008 20:16:58	0.0035	-0.8457	-2.6208	5.2165	-0.0243	0.0043	0.0194	0.1643	0.0098	-0.0052	0.1213	-0.1127	0.0624	0.1578	0.0107	0.0141	0.4858	0.0149	-0.0726	0.0118	93.21%	88.30%	85.83%	86.17%	87.61%	89.47%

Ca, As, Se, Cd reported from run MS208066.
Case 37402: SDG MH2600; Modification 1554.1

Performance Report

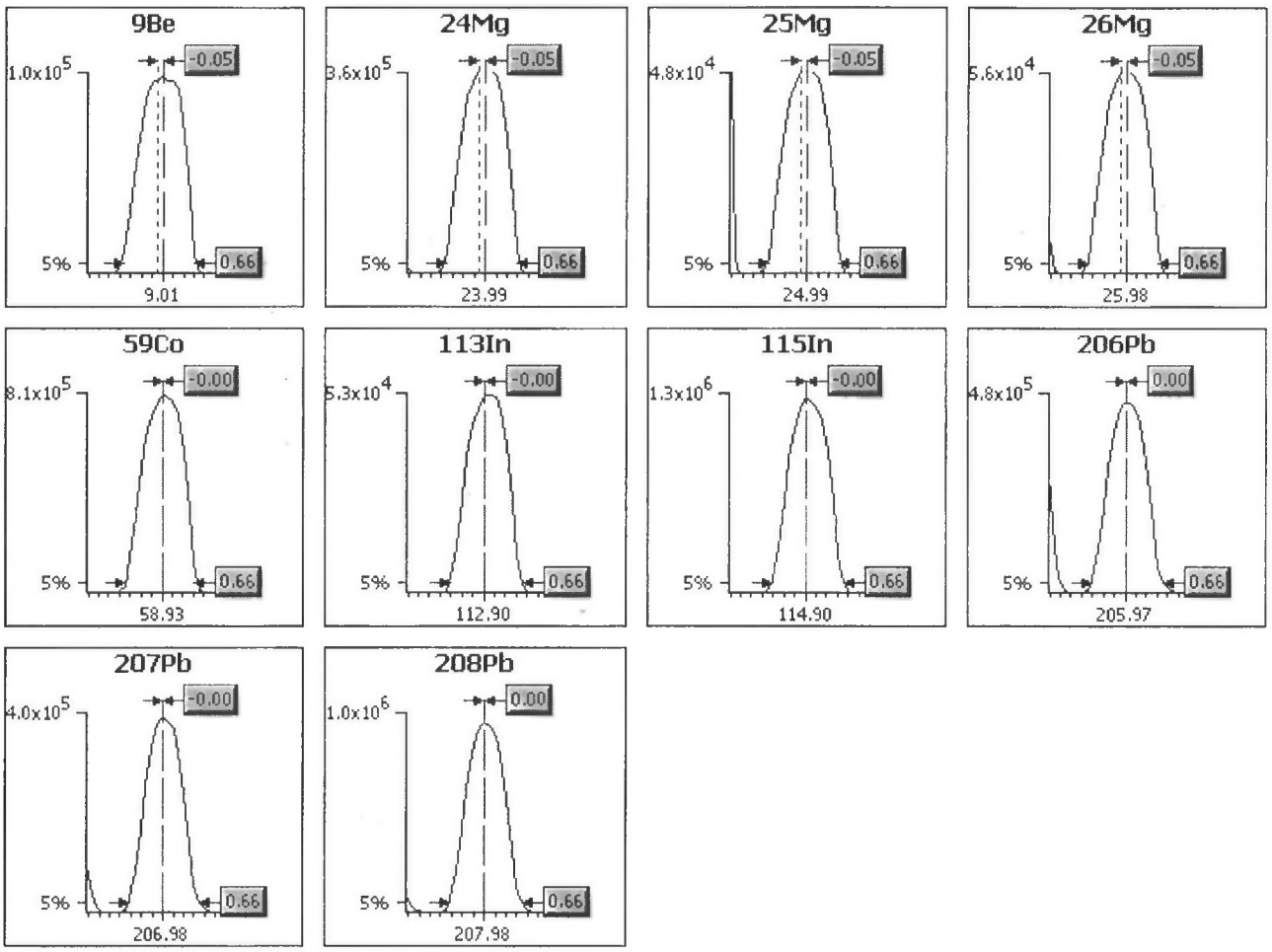
Sample details
Acquired at : 06/17/2008 16:59:52
Report name : ILM05.3 [01/25/2005 13:47:15]

Run #MS208065

Mass Calibration verification

Acquisition parameters
Sweeps : 10
Dwell : 5.0 mSecs
Point spacing : 0.05 amu
Peak width measured at 5% of the peak maximum

Tune



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.75	0.60	0.10	0.66	-0.05
24Mg	0.75	0.60	0.10	0.66	-0.05
25Mg	0.75	0.60	0.10	0.66	-0.05
26Mg	0.75	0.60	0.10	0.66	-0.05
59Co	0.72	0.60	0.10	0.66	-0.00
113In	0.75	0.60	0.10	0.66	-0.00
115In	0.75	0.60	0.10	0.66	-0.00
206Pb	0.75	0.60	0.10	0.66	0.00
207Pb	0.75	0.60	0.10	0.66	-0.00
208Pb	0.75	0.60	0.10	0.66	0.00

Sample details
Acquired at : 06/17/2008 16:59:52
Report name : ILM05.3 [01/25/2005 13:47:15]

Tune conditions

Major	
Extraction	-145
Lens 1	2.9
Focus	24.1
D1	-34.5
Pole Bias	2.5
Hexapole Bias	4.5
Nebuliser	0.77
Sampling Depth	105

Minor	
Lens 2	-44.7
Lens 3	-142.7
Forward power	1404
Horizontal	100
Vertical	475
D2	-160
DA	-80.0
Cool	13.0
Auxiliary	0.80

Global	
Standard resolution	170
High resolution	115
Analogue Detector	1550
PC Detector	2830

Add. Gases

Tune

Sensitivity and stability results

Acquisition parameters
Sweeps : 130

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	56Ar O	59Co	138Ba++	101Bkg
Dwell (mSecs)		100.0	10.0	10.0	10.0	10.0	10.0	10.0	30.0	100.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	-	5.0%	-	-
	Countrate	-	>3000	>10000	>10000	>10000	-	>10000	-	-
1	17:00:13	0.385	97042.534	375005.13	49391.322	57509.295	400651.35	804081.23	34998.210	0.231
2	17:01:26	0.308	95958.551	375964.64	49255.135	57055.422	400321.43	800369.70	35050.223	0.231
3	17:02:39	0.077	96002.903	374130.97	48865.931	57216.521	399992.34	800321.55	35191.071	0.462
4	17:03:52	0.308	96427.767	375285.01	49785.194	57651.039	403159.62	808717.78	35423.849	0.385
5	17:05:05	0.308	96679.893	378019.14	50069.970	57957.771	404876.87	811541.15	35556.721	0.308
x		0.277	96422.329	375680.98	49473.510	57478.010	401800.32	805006.28	35244.015	0.323
σ		0.12	458.81	1463.18	468.11	356.39	2126.55	5019.46	240.26	0.10
%RSD		42.127	0.476	0.389	0.946	0.620	0.529	0.624	0.682	31.044

Run	Time	113In	115In	138Ba	140Ce	156Ce O	206Pb	207Pb	208Pb	220Bkg
Dwell (mSecs)		10.0	10.0	10.0	10.0	30.0	10.0	10.0	10.0	100.0
Limits	%RSD	5.0%	5.0%	-	-	-	5.0%	5.0%	5.0%	-
	Countrate	>10000	>10000	-	-	-	>10000	>10000	>10000	<1
1	17:00:13	55425.245	1321889.0	954587.82	1400487.4	44034.755	488232.11	406609.80	1013066.7	0.538
2	17:01:26	54987.746	1327403.5	959386.34	1408159.7	43212.003	489521.48	408792.00	1023613.2	0.385
3	17:02:39	55028.784	1315776.2	951905.43	1395520.7	43280.563	488133.50	405470.88	1010334.4	0.385
4	17:03:52	55532.107	1335247.1	961375.66	1411622.6	43194.219	494158.91	411045.83	1024704.4	0.385
5	17:05:05	55647.488	1334463.7	965712.09	1415534.2	42724.370	493162.40	410474.84	1022822.0	0.462
x		55324.274	1326955.9	958593.47	1406264.9	43289.182	490641.68	408478.67	1018908.1	0.431
σ		299.34	8306.18	5473.10	8170.57	471.68	2831.82	2408.97	6683.62	0.07
%RSD		0.541	0.626	0.571	0.581	1.090	0.577	0.590	0.656	15.972

Ratio results

Run	Time	56Ar O/59Co	138Ba++/138Ba	115In/101Bkg	156Ce O/140Ce
Ratio limits		-	-	>10000.0000	<0.0300
1	17:00:13	0.498	0.037	5728185.6	0.031
2	17:01:26	0.500	0.037	5752081.5	0.031
3	17:02:39	0.500	0.037	2850848.3	0.031
4	17:03:52	0.499	0.037	3471642.3	0.031
5	17:05:05	0.499	0.037	4337006.9	0.030
x		0.4991	0.0368	4427952.9	0.0308
σ		0.00	0.00	1309005.53	0.00
%RSD		0.1641	0.4612	29.5623	1.5339

Result : The performance report has failed.

Experiment Details

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Elemental\PlasmaLab\data\Run Data\MS208063.tee
Created By User	Edwards
Analyte Database	ILM5.3.tea
Creation Timestamp	02/02/2005 10:10:19
Last Edited By	Edwards
Last Edit Timestamp	06/17/2008 17:17:05
Instrument Detector	Simultaneous
Database Version	3.51
Acquisition Mode	Unknown

Run # MS208063 KB 06/19/08
ICPM02
Kristie Bitner 06/19/08

Numerical Results report key (text indicates meaning)

Blue text indicates that cell is a statistic.
Underlining indicates that a data warning flag is set.

Column headings: No flag; Semi Quant; Standard Addition; Multi Element

Result cells: Internal Standard; Excluded; QC Warning; QC Failure

Transient TRA only: Peak Not Found; Manually Edited; Merged Peak

Data warning flags
I - Invalid calibration
T - Tripped
F - Interference correction failed
M - Result over max
V - Valley integration failed
D - Different method used

ILM05.4 - HW3

WO # 8155031
8155032

SDG # MH2600
Case # 37402
8201
ICP-MS + Al, Ca, Fe, Mg

Ca, As, Se, Cd not reported from this run.

Setup

Survey Scan Setup

Sweeps	5
Dwell Time	600
Channels Per Mass	10
Acquisition Duration	6739

Main Run Setup

Main Run	Peak Jumping
Sweeps	40
Dwell Time	10000
Channels Per Mass	1
Acquisition Duration	33467
Channel Spacing	0.02

Survey Scan Regions

Start AMU	End AMU	Channels	Dwell ms	Resolution
4.59	11.50	69	600	Standard
12.50	13.50	10	600	
22.59	28.41	58	600	
30.59	31.50	9	600	
33.50	34.50	10	600	
36.50	37.50	10	600	
38.50	39.41	9	600	Standard
42.59	245.50	2029	600	Standard

Peak Jump Regions

Analyte	Channels	Dwell ms	Resolution
6Li	1	30000	Standard
7Li	1	10000	Standard
9Be	1	30000	Standard
13C	1	10000	
24Mg	1	5000	
25Mg	1	5000	
26Mg	1	5000	
27Al	1	10000	Standard
43Ca	1	10000	
44Ca	1	10000	
45Sc	1	20000	Standard

47Ti	1	10000	Standard
51V	1	10000	Standard
52Cr	1	10000	Standard
53Cl O	1	10000	Standard
54Fe	1	10000	
55Mn	1	10000	Standard
56Fe	1	10000	
57Fe	1	10000	
59Co	1	10000	Standard
60Ni	1	10000	Standard
63Cu	1	10000	Standard
65Cu	1	10000	Standard
66Zn	1	10000	Standard
75As	1	30000	Standard
77Ar Cl	1	30000	Standard
78Se	1	30000	Standard
82Se	1	30000	Standard
83Kr	1	30000	Standard
86Sr	1	10000	Standard
88Sr	1	10000	Standard
89Y	1	10000	Standard
95Mo	1	10000	Standard
106Pd	1	10000	Standard
106Cd	1	10000	Standard
107Ag	1	20000	Standard
108Mo O	1	10000	Standard
109Ag	1	20000	Standard
111Cd	1	20000	Standard
114Cd	1	20000	Standard
115In	1	10000	Standard
118Sn	1	10000	Standard
121Sb	1	10000	Standard
135Ba	1	10000	Standard
137Ba	1	10000	Standard
159Tb	1	10000	Standard
203Tl	1	20000	Standard
205Tl	1	20000	Standard
206Pb	1	10000	Standard
207Pb	1	10000	Standard
208Pb	1	10000	Standard
209Bi	1	20000	Standard
220Bkg	1	10000	Standard

Calibration Technique

Use External Drift Correction - No
Calibrate by - Element

Symbol	Interference Correction	RSF	Calibration Method	Line Fit	Weighting	Forcing	Use for Semi-Quant	Max Error	Minimum Correlation
6Li	Yes	1.00	None				No		
7Li	Yes	1.00	None				No		
9Be	Yes	0.75	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
13C	Yes	0.05	None				No		
24Mg	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
25Mg	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
26Mg	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
27Al	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
43Ca	Yes	0.99	None				No		
44Ca	Yes	0.99	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
45Sc	Yes	1.00	None				No		
47Ti	Yes	0.99	Semi-Quantified				No		
51V	Yes	0.99	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
52Cr	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
55Mn	Yes	0.95	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
54Fe	Yes	0.96	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
56Fe	Yes	0.96	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
57Fe	Yes	0.96	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
59Co	Yes	0.93	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
60Ni	No	0.91	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
63Cu	Yes	0.90	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
65Cu	Yes	0.90	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
66Zn	Yes	0.38	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
75As	Yes	0.07	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
78Se	Yes	0.10	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
82Se	Yes	0.10	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000

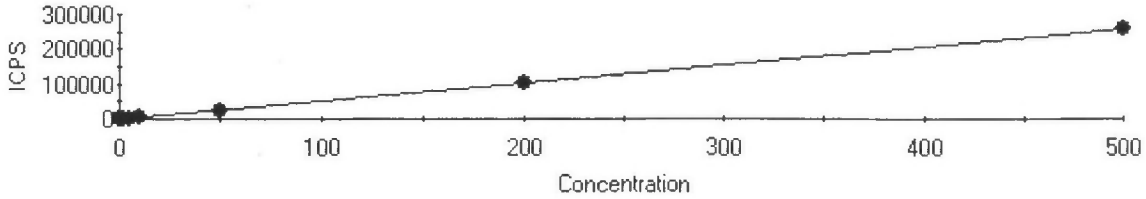
83Kr	Yes	0.01	Semi-Quantified				No	
86Sr	Yes	0.96	None				No	
88Sr	Yes	0.96	None				No	
89Y	Yes	0.98	None				No	
95Mo	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
106Pd	Yes	0.93	None				No	
107Ag	Yes	0.93	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
109Ag	Yes	0.93	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
106Cd	Yes	0.57	None				No	
111Cd	Yes	0.57	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
114Cd	Yes	0.57	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
115In	Yes	0.99	None				No	
118Sn	Yes	0.96	None				No	
121Sb	Yes	0.39	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
135Ba	Yes	0.91	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
137Ba	Yes	0.91	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
159Tb	Yes	0.99	None				No	
203Tl	Yes	1.00	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
206Pb	Yes	0.97	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
207Pb	Yes	0.97	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
208Pb	Yes	0.97	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
209Bi	Yes	0.92	None				No	
205Tl	Yes	1.00	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
220Bkg	Yes		Semi-Quantified				No	
77Ar Cl	Yes		Semi-Quantified				No	
53Cl O	Yes		Semi-Quantified				No	
108Mo O	Yes		Semi-Quantified				No	

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	S0	Blank	1.000	1	1	1	144
2	S2	Fully Quant Standard	1.000	1	1	2	144
3	S5	Fully Quant Standard	1.000	1	1	3	144
4	S10	Fully Quant Standard	1.000	1	1	4	144
5	S50	Fully Quant Standard	1.000	1	1	5	144
6	S200	Fully Quant Standard	1.000	1	1	6	144
7	S500	Fully Quant Standard	1.000	1	1	7	144
8	S1000	Fully Quant Standard	1.000	1	1	8	144
9	S1500	Fully Quant Standard	1.000	1	1	9	144
10	S2000	Fully Quant Standard	1.000	1	1	10	144
11	ICV	Unknown	1.000	1	1	11	144
12	ICB	Unknown	1.000	1	1	12	144
13	CRII	Unknown	1.000	1	2	1	144
14	ICSA	Unknown	1.000	1	2	2	144
15	ICSAB	Unknown	1.000	1	2	3	144
16	CCV	Unknown	1.000	1	2	4	144
17	CCB	Unknown	1.000	1	2	5	144
18	PBW	Unknown	1.000	1	2	6	144
19	LCSW	Unknown	1.000	1	2	7	144
20	MH2600	Unknown	1.000	1	2	8	144
21	ZZZZZZ	Unknown	1.000	1	2	9	144
22	MH2600L	Unknown	1.000	1	2	10	144
23	MH2602	Unknown	1.000	1	2	11	144
24	MH2604	Unknown	1.000	1	2	12	144
25	MH2606	Unknown	1.000	1	3	1	144
26	CCV2	Unknown	1.000	1	3	2	144
27	CCB2	Unknown	1.000	1	3	3	144
28	MH2601	Unknown	1.000	1	3	4	144
29	MH2603	Unknown	1.000	1	3	5	144
30	MH2605	Unknown	1.000	1	3	6	144
31	MH2607	Unknown	1.000	1	3	7	144
32	CRIF	Unknown	1.000	1	3	8	144
33	CCV3	Unknown	1.000	1	3	9	144
34	CCB3	Unknown	1.000	1	3	10	144

Fully Quant Calibration

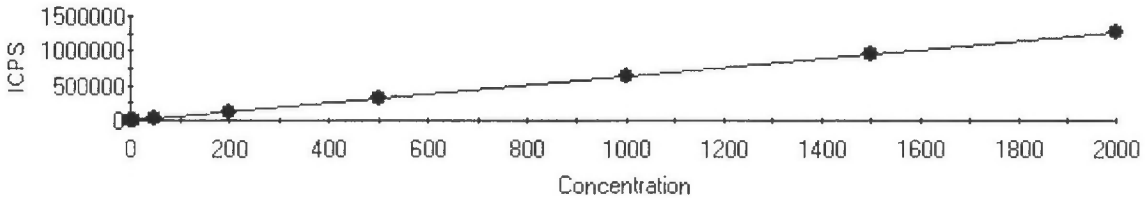
9Be FQ Block 1



Intercept CPS=18.692451 Intercept Conc=0.036277
Sensitivity=515.272093 Correlation Coeff=0.999999

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	18.69	0.00
S2	2.000	1.881	0.119	987.91	5.95
S5	5.000	4.973	0.027	2581.25	0.54
S10	10.000	9.990	0.010	5166.23	0.10
S50	50.000	49.342	0.658	25443.00	1.32
S200	200.000	199.852	0.148	102997.10	0.07
S500	500.000	500.126	0.126	257719.56	0.03

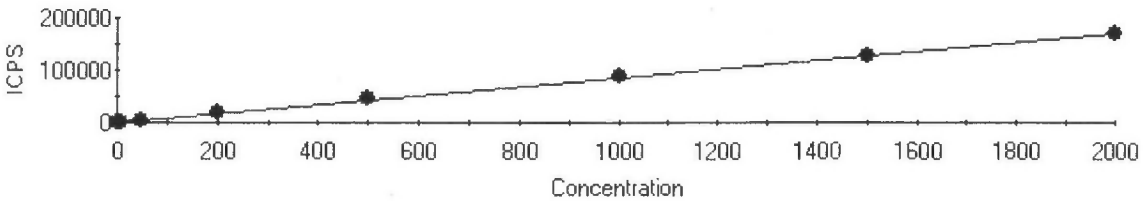
24Mg FQ Block 1



Intercept CPS=1681.764243 Intercept Conc=2.658236
Sensitivity=632.661850 Correlation Coeff=0.999957

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	1681.76	0.00
S2	2.000	1.316	0.684	2514.63	34.18
S5	5.000	5.845	0.845	5379.90	16.91
S10	10.000	9.422	0.578	7642.60	5.78
S50	50.000	48.349	1.651	32270.41	3.30
S200	200.000	202.287	2.287	129660.92	1.14
S500	500.000	514.262	14.262	327035.83	2.85
S1000	1000.000	1000.686	0.686	634777.79	0.07
S1500	1500.000	1486.866	13.134	942365.13	0.88
S2000	2000.000	2005.756	5.756	1270647.01	0.29

25Mg FQ Block 1

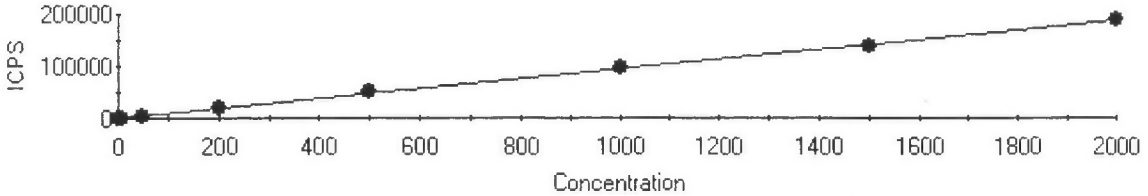


Intercept CPS=238.617441 Intercept Conc=2.799497
Sensitivity=85.235817 Correlation Coeff=0.999951

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	238.62	0.00
S2	2.000	1.192	0.808	340.23	40.39
S5	5.000	5.848	0.848	737.11	16.97
S10	10.000	9.684	0.316	1064.06	3.16
S50	50.000	50.401	0.401	4534.63	0.80
S200	200.000	203.674	3.674	17598.95	1.84
S500	500.000	516.221	16.221	44239.11	3.24

S1000	1000.000	1012.920	12.920	86575.70	1.29
S1500	1500.000	1498.152	1.848	127934.87	0.12
S2000	2000.000	1990.493	9.507	169899.93	0.48

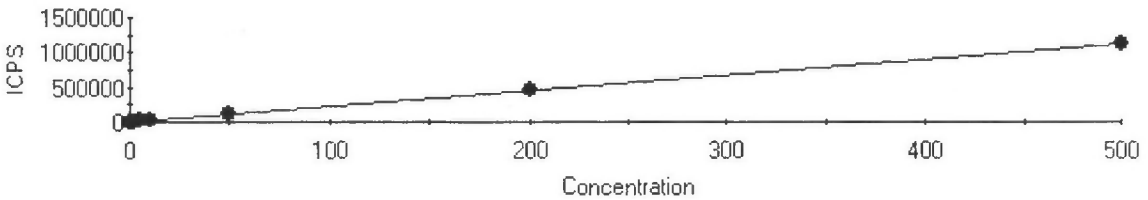
26Mg FQ Block 1



Intercept CPS=263.813901 Intercept Conc=2.814830
Sensitivity=93.722867 Correlation Coeff=0.999951

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	263.81	0.00
S2	2.000	1.544	0.456	408.51	22.80
S5	5.000	5.759	0.759	803.55	15.18
S10	10.000	9.828	0.172	1184.89	1.72
S50	50.000	49.506	0.494	4903.64	0.99
S200	200.000	204.977	4.977	19474.83	2.49
S500	500.000	517.053	17.053	48723.51	3.41
S1000	1000.000	1011.252	11.252	95041.22	1.13
S1500	1500.000	1491.715	8.285	140071.67	0.55
S2000	2000.000	1995.838	4.162	187319.50	0.21

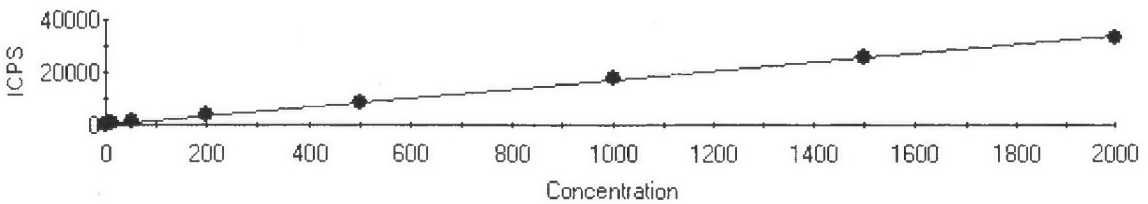
27Al FQ Block 1



Intercept CPS=8223.044607 Intercept Conc=3.668997
Sensitivity=2241.224202 Correlation Coeff=0.999982

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	8223.04	0.00
S2	2.000	1.697	0.303	12025.69	15.17
S5	5.000	6.182	1.182	22078.79	23.64
S10	10.000	9.528	0.472	29578.52	4.72
S50	50.000	48.365	1.635	116620.02	3.27
S200	200.000	198.206	1.794	452446.38	0.90
S500	500.000	500.880	0.880	1130807.53	0.18

44Ca FQ Block 1

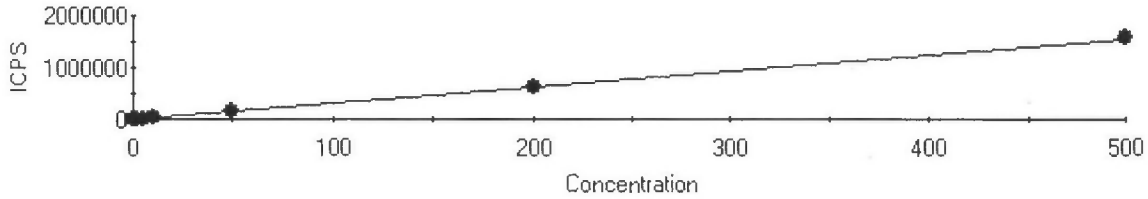


Intercept CPS=370.705838 Intercept Conc=22.205785
Sensitivity=16.694111 Correlation Coeff=0.999898

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	370.71	0.00
S2	2.000	3.103	1.103	422.51	55.16

S5	5.000	12.927	7.927	586.51	158.54
S10	10.000	12.979	2.979	587.38	29.79
S50	50.000	52.420	2.420	1245.82	4.84
S200	200.000	203.345	3.345	3765.38	1.67
S500	500.000	505.427	5.427	8808.37	1.09
S1000	1000.000	1024.996	24.996	17482.10	2.50
S1500	1500.000	1506.784	6.784	25525.13	0.45
S2000	2000.000	1980.626	19.374	33435.50	0.97

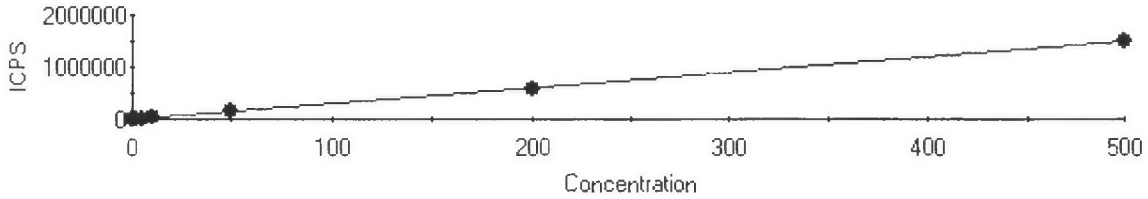
51V FQ Block 1



Intercept CPS=339.577971 Intercept Conc=0.109349
Sensitivity=3105.453547 Correlation Coeff=0.999895

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	339.58	0.00
S2	2.000	1.850	0.150	6083.13	7.52
S5	5.000	4.735	0.265	15043.93	5.30
S10	10.000	9.445	0.555	29671.77	5.55
S50	50.000	46.622	3.378	145120.92	6.76
S200	200.000	193.982	6.018	602742.29	3.01
S500	500.000	502.759	2.759	1561635.23	0.55

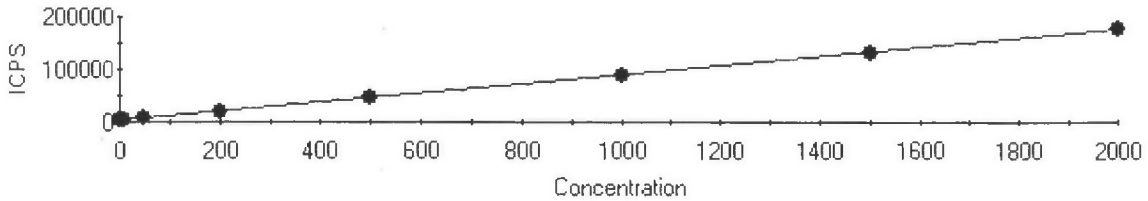
52Cr FQ Block 1



Intercept CPS=1124.658575 Intercept Conc=0.375531
Sensitivity=2994.847548 Correlation Coeff=0.999944

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	1124.66	0.00
S2	2.000	1.864	0.136	6706.98	6.80
S5	5.000	4.777	0.223	15430.96	4.46
S10	10.000	9.682	0.318	30120.42	3.18
S50	50.000	47.172	2.828	142397.39	5.66
S200	200.000	195.757	4.243	587387.73	2.12
S500	500.000	501.989	1.989	1504505.34	0.40

54Fe FQ Block 1

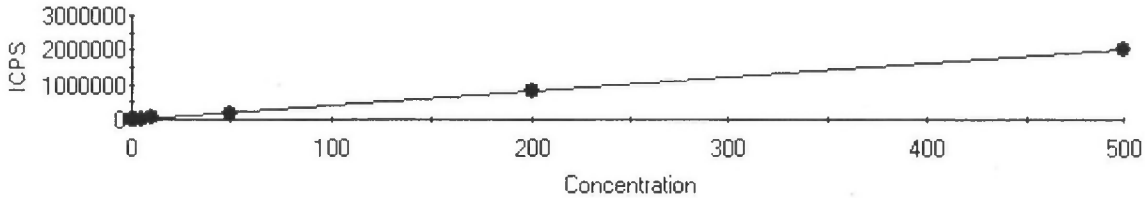


Intercept CPS=2915.690195 Intercept Conc=33.771959
Sensitivity=86.334647 Correlation Coeff=0.999986

Label	Defined	Measured	Error	Mean CPS	% Error

S0	0.000	0.000	0.000	2915.69	0.00
S2	2.000	2.048	0.048	3092.46	2.38
S5	5.000	8.621	3.621	3659.95	72.41
S10	10.000	10.733	0.733	3842.31	7.33
S50	50.000	47.190	2.810	6989.81	5.62
S200	200.000	198.812	1.188	20080.04	0.59
S500	500.000	505.703	5.703	46575.35	1.14
S1000	1000.000	1005.828	5.828	89753.49	0.58
S1500	1500.000	1503.116	3.116	132686.69	0.21
S2000	2000.000	1993.500	6.500	175023.77	0.33

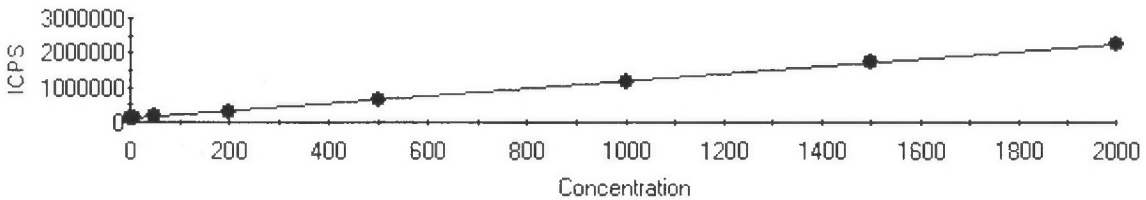
55Mn FQ Block 1



Intercept CPS=153.391183 Intercept Conc=0.038063
Sensitivity=4029.932884 Correlation Coeff=0.999885

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	153.39	0.00
S2	2.000	1.878	0.122	7720.83	6.11
S5	5.000	4.728	0.272	19206.78	5.44
S10	10.000	9.411	0.589	38077.32	5.89
S50	50.000	46.686	3.314	188295.99	6.63
S200	200.000	193.628	6.372	780462.87	3.19
S500	500.000	502.895	2.895	2026786.52	0.58

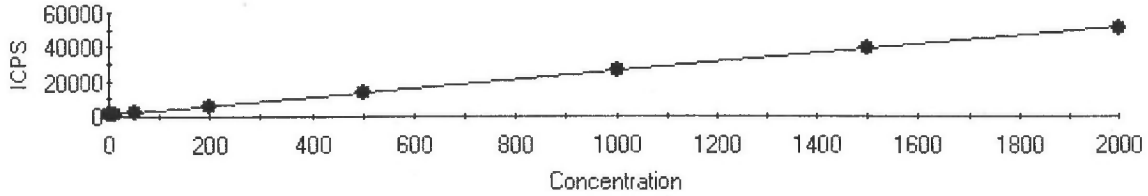
56Fe FQ Block 1



Intercept CPS=107301.760677 Intercept Conc=99.417752
Sensitivity=1079.301823 Correlation Coeff=0.999954

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	107301.76	0.00
S2	2.000	2.416	0.416	109909.09	20.79
S5	5.000	11.106	6.106	119288.04	122.11
S10	10.000	12.575	2.575	120874.19	25.75
S50	50.000	47.210	2.790	158255.82	5.58
S200	200.000	191.207	8.793	313672.26	4.40
S500	500.000	490.969	9.031	637205.40	1.81
S1000	1000.000	989.942	10.058	1175748.09	1.01
S1500	1500.000	1495.409	4.591	1721299.52	0.31
S2000	2000.000	2011.650	11.650	2278479.65	0.58

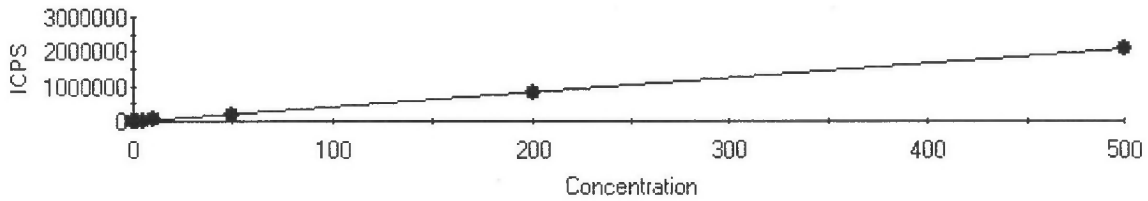
57Fe FQ Block 1



Intercept CPS=1116.076363 Intercept Conc=44.430857
Sensitivity=25.119398 Correlation Coeff=0.999976

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	1116.08	0.00
S2	2.000	1.840	0.160	1162.30	7.99
S5	5.000	11.870	6.870	1414.23	137.39
S10	10.000	14.707	4.707	1485.50	47.07
S50	50.000	53.693	3.693	2464.81	7.39
S200	200.000	197.675	2.325	6081.54	1.16
S500	500.000	501.887	1.887	13723.17	0.38
S1000	1000.000	1009.827	9.827	26482.33	0.98
S1500	1500.000	1504.734	4.734	38914.08	0.32
S2000	2000.000	1991.164	8.836	51132.92	0.44

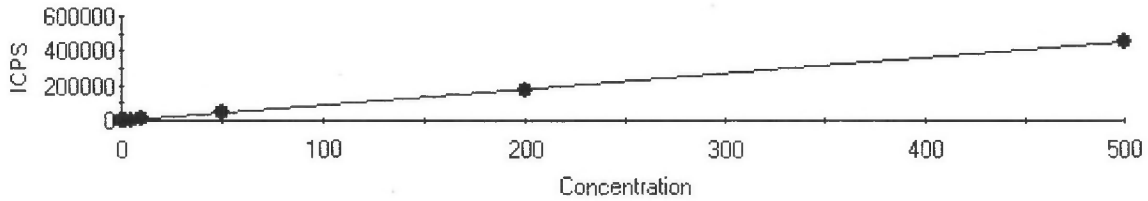
59Co FQ Block 1



Intercept CPS=59.573948 Intercept Conc=0.014374
Sensitivity=4144.465063 Correlation Coeff=0.999902

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	59.57	0.00
S2	2.000	1.814	0.186	7576.27	9.32
S5	5.000	4.738	0.262	19695.91	5.24
S10	10.000	9.490	0.510	39391.27	5.10
S50	50.000	46.703	3.297	193618.18	6.59
S200	200.000	194.172	5.828	804800.72	2.91
S500	500.000	502.674	2.674	2083375.53	0.53

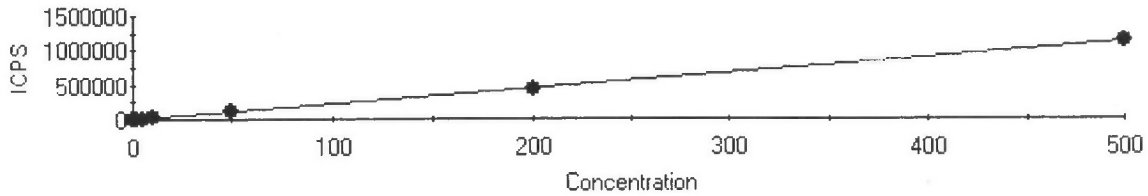
60Ni FQ Block 1



Intercept CPS=46.771804 Intercept Conc=0.052513
Sensitivity=890.678454 Correlation Coeff=0.999997

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	46.77	0.00
S2	2.000	1.925	0.075	1761.23	3.76
S5	5.000	5.030	0.030	4527.24	0.61
S10	10.000	9.962	0.038	8919.48	0.38
S50	50.000	48.875	1.125	43578.84	2.25
S200	200.000	199.721	0.279	177933.52	0.14
S500	500.000	500.225	0.225	445586.44	0.05

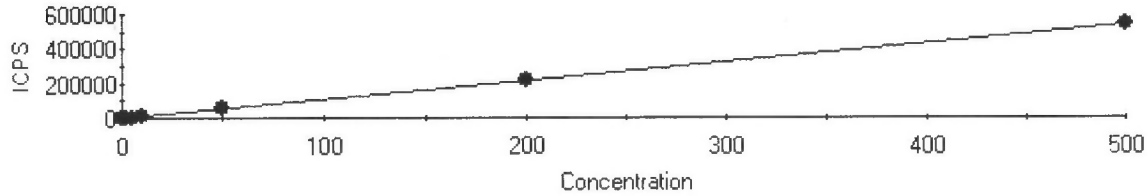
63Cu FQ Block 1



Intercept CPS=271.752250 Intercept Conc=0.120119
Sensitivity=2262.356200 Correlation Coeff=0.999972

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	271.75	0.00
S2	2.000	1.901	0.099	4571.47	4.97
S5	5.000	4.902	0.098	11360.79	1.97
S10	10.000	9.872	0.128	22606.59	1.28
S50	50.000	48.115	1.885	109124.94	3.77
S200	200.000	196.992	3.008	445937.77	1.50
S500	500.000	501.396	1.396	1134607.30	0.28

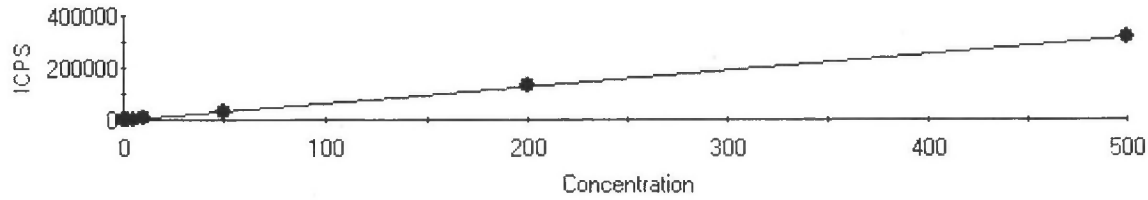
65Cu FQ Block 1



Intercept CPS=83.833493 Intercept Conc=0.077836
Sensitivity=1077.050892 Correlation Coeff=0.999994

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	83.83	0.00
S2	2.000	1.909	0.091	2140.10	4.54
S5	5.000	4.955	0.045	5420.20	0.91
S10	10.000	9.864	0.136	10708.24	1.36
S50	50.000	49.046	0.954	52908.49	1.91
S200	200.000	198.586	1.414	213970.90	0.71
S500	500.000	500.665	0.665	539325.11	0.13

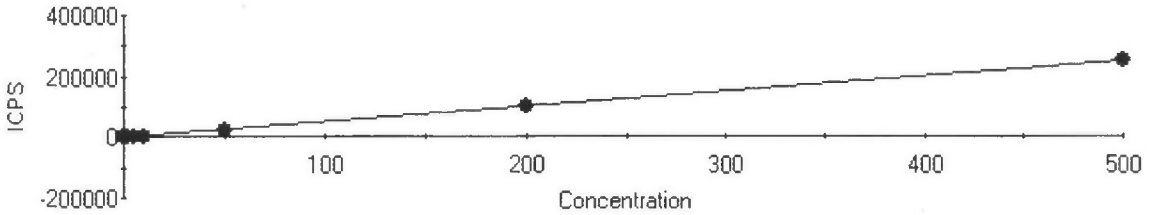
66Zn FQ Block 1



Intercept CPS=325.616875 Intercept Conc=0.511345
Sensitivity=636.785612 Correlation Coeff=0.999994

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	325.62	0.00
S2	2.000	2.255	0.255	1761.40	12.74
S5	5.000	5.071	0.071	3554.69	1.42
S10	10.000	10.974	0.974	7313.55	9.74
S50	50.000	48.750	1.250	31368.80	2.50
S200	200.000	199.825	0.175	127571.29	0.09
S500	500.000	500.174	0.174	318829.11	0.03

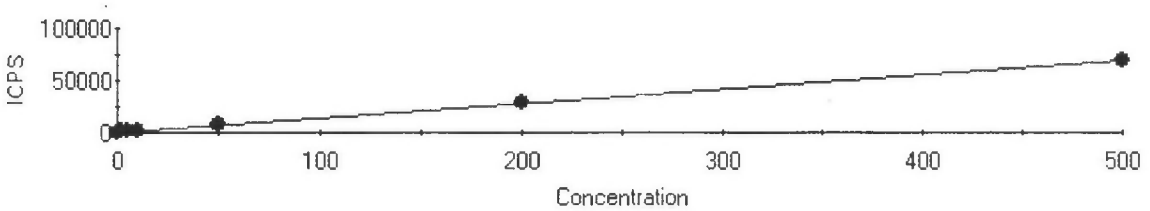
75As FQ Block 1



Intercept CPS=-35.468762 Intercept Conc=-0.071079
Sensitivity=499.003838 Correlation Coeff=0.999996

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	-35.47	0.00
S2	2.000	2.008	0.008	966.44	0.39
S5	5.000	5.138	0.138	2528.22	2.75
S10	10.000	9.989	0.011	4949.25	0.11
S50	50.000	49.227	0.773	24528.78	1.55
S200	200.000	198.961	1.039	99246.86	0.52
S500	500.000	500.492	0.492	249711.82	0.10

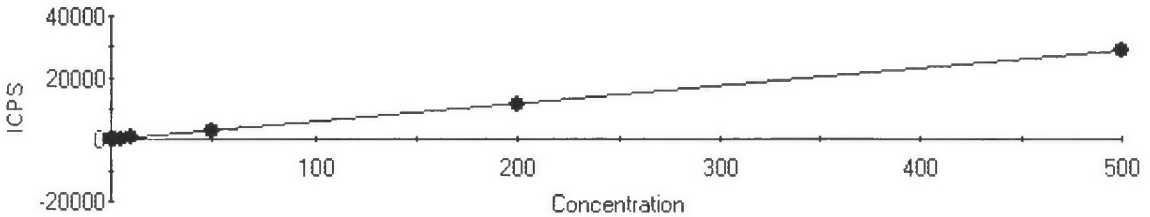
78Se FQ Block 1



Intercept CPS=901.752252 Intercept Conc=6.529784
Sensitivity=138.098327 Correlation Coeff=0.999999

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	901.75	0.00
S2	2.000	1.669	0.331	1132.28	16.54
S5	5.000	4.922	0.078	1581.48	1.56
S10	10.000	9.858	0.142	2263.18	1.42
S50	50.000	49.264	0.736	7704.98	1.47
S200	200.000	200.083	0.083	28532.86	0.04
S500	500.000	500.045	0.045	69957.19	0.01

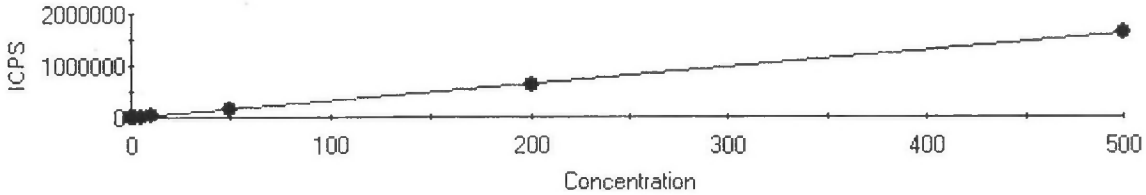
82Se FQ Block 1



Intercept CPS=-10.137363 Intercept Conc=-0.175933
Sensitivity=57.620429 Correlation Coeff=0.999996

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	-10.14	0.00
S2	2.000	2.133	0.133	112.75	6.64
S5	5.000	5.452	0.452	304.03	9.05
S10	10.000	10.517	0.517	595.83	5.17
S50	50.000	49.844	0.156	2861.88	0.31
S200	200.000	198.956	1.044	11453.79	0.52
S500	500.000	500.418	0.418	28824.15	0.08

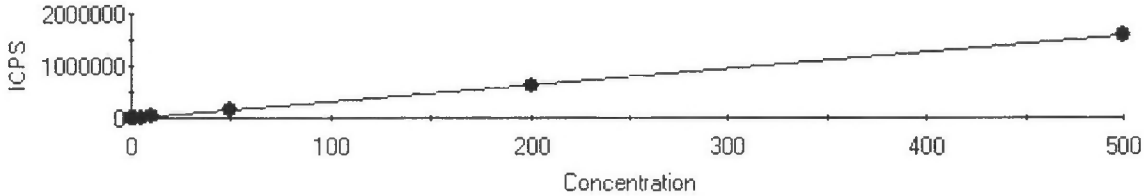
107Ag FQ Block 1



Intercept CPS=85.438096 Intercept Conc=0.026331
Sensitivity=3244.797311 Correlation Coeff=0.999942

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	85.44	0.00
S2	2.000	1.840	0.160	6055.07	8.01
S5	5.000	4.810	0.190	15692.02	3.81
S10	10.000	9.658	0.342	31424.59	3.42
S50	50.000	47.460	2.540	154083.78	5.08
S200	200.000	195.546	4.454	634592.03	2.23
S500	500.000	502.045	2.045	1629119.82	0.41

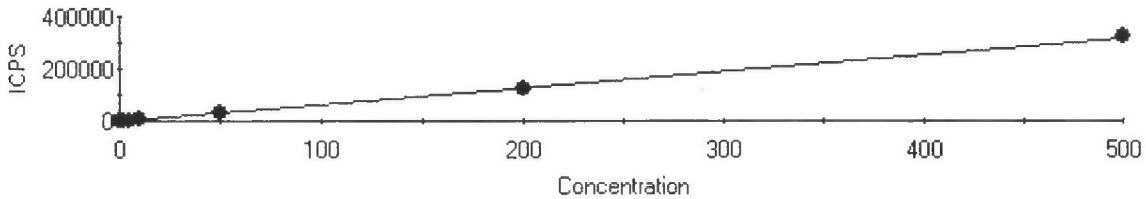
109Ag FQ Block 1



Intercept CPS=73.297320 Intercept Conc=0.023240
Sensitivity=3153.987850 Correlation Coeff=0.999940

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	73.30	0.00
S2	2.000	1.847	0.153	5899.42	7.64
S5	5.000	4.814	0.186	15256.31	3.72
S10	10.000	9.593	0.407	30329.44	4.07
S50	50.000	47.623	2.377	150275.65	4.75
S200	200.000	195.368	4.632	616262.66	2.32
S500	500.000	502.101	2.101	1583693.68	0.42

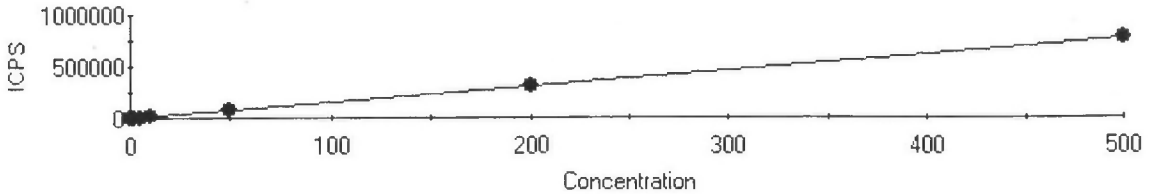
111Cd FQ Block 1



Intercept CPS=3.994902 Intercept Conc=0.006259
Sensitivity=638.237369 Correlation Coeff=0.999986

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	3.99	0.00
S2	2.000	1.938	0.062	1240.65	3.12
S5	5.000	4.963	0.037	3171.88	0.73
S10	10.000	9.805	0.195	6261.67	1.95
S50	50.000	48.681	1.319	31074.27	2.64
S200	200.000	197.814	2.186	126255.98	1.09
S500	500.000	501.011	1.011	319767.92	0.20

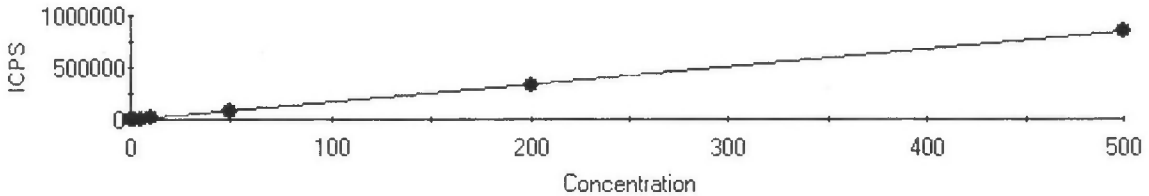
114Cd FQ Block 1



Intercept CPS=9.377343 Intercept Conc=0.006128
Sensitivity=1530.179767 Correlation Coeff=0.999980

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	9.38	0.00
S2	2.000	1.892	0.108	2903.93	5.42
S5	5.000	4.888	0.112	7489.11	2.24
S10	10.000	9.712	0.288	14871.15	2.88
S50	50.000	48.283	1.717	73890.98	3.43
S200	200.000	197.453	2.547	302148.46	1.27
S500	500.000	501.198	1.198	766931.92	0.24

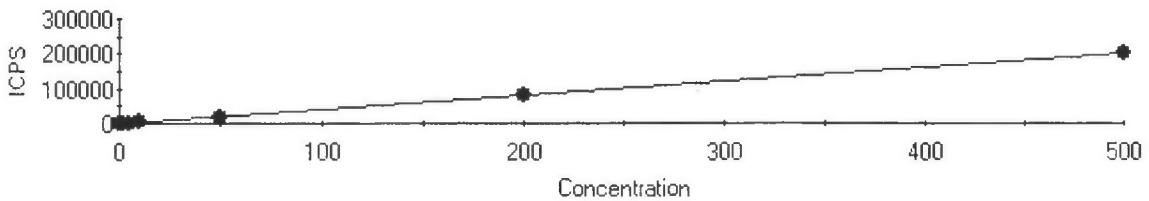
121Sb FQ Block 1



Intercept CPS=23.400003 Intercept Conc=0.013846
Sensitivity=1690.026849 Correlation Coeff=0.999949

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	23.40	0.00
S2	2.000	1.902	0.098	3237.50	4.91
S5	5.000	4.834	0.166	8193.12	3.32
S10	10.000	9.585	0.415	16223.00	4.15
S50	50.000	47.140	2.860	79691.62	5.72
S200	200.000	196.033	3.967	331324.49	1.98
S500	500.000	501.883	1.883	848219.33	0.38

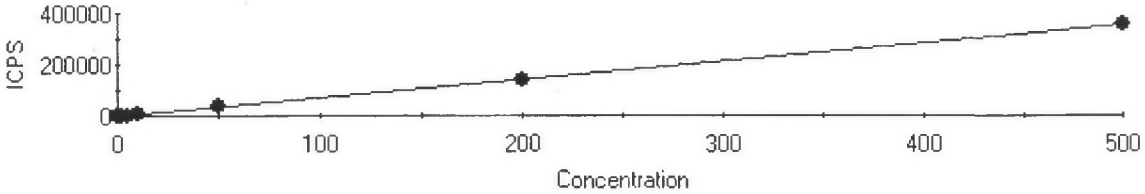
135Ba FQ Block 1



Intercept CPS=2.978052 Intercept Conc=0.007470
Sensitivity=398.675446 Correlation Coeff=0.999997

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	2.98	0.00
S2	2.000	1.946	0.054	778.61	2.72
S5	5.000	4.910	0.090	1960.56	1.80
S10	10.000	9.837	0.163	3924.62	1.63
S50	50.000	48.984	1.016	19531.56	2.03
S200	200.000	200.414	0.414	79903.12	0.21
S500	500.000	499.940	0.060	199316.95	0.01

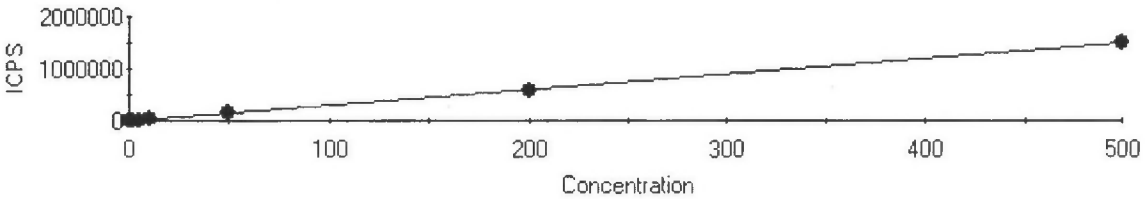
137Ba FQ Block 1



Intercept CPS=5.891938 Intercept Conc=0.008353
Sensitivity=705.339025 Correlation Coeff=0.999996

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	5.89	0.00
S2	2.000	1.943	0.057	1376.31	2.85
S5	5.000	4.951	0.049	3498.19	0.98
S10	10.000	9.841	0.159	6947.44	1.59
S50	50.000	49.384	0.616	34838.40	1.23
S200	200.000	198.879	1.121	140283.06	0.56
S500	500.000	500.514	0.514	353037.85	0.10

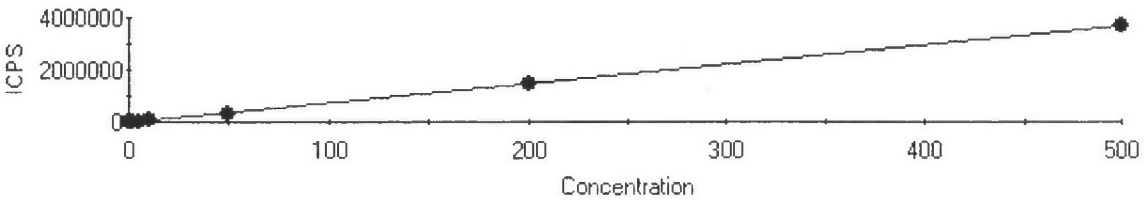
203Tl FQ Block 1



Intercept CPS=356.022284 Intercept Conc=0.119439
Sensitivity=2980.777654 Correlation Coeff=0.999918

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	356.02	0.00
S2	2.000	1.873	0.127	5937.99	6.37
S5	5.000	4.807	0.193	14685.33	3.86
S10	10.000	9.531	0.469	28765.35	4.69
S50	50.000	47.166	2.834	140948.02	5.67
S200	200.000	194.619	5.381	580473.39	2.69
S500	500.000	502.447	2.447	1498040.03	0.49

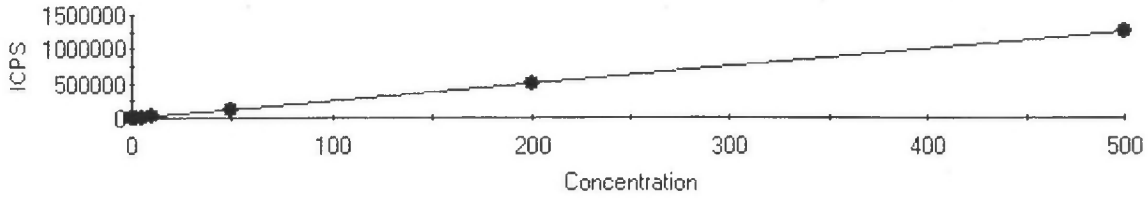
205Tl FQ Block 1



Intercept CPS=833.061475 Intercept Conc=0.113810
Sensitivity=7319.735154 Correlation Coeff=0.999915

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	833.06	0.00
S2	2.000	1.823	0.177	14177.83	8.84
S5	5.000	4.721	0.279	35392.44	5.57
S10	10.000	9.390	0.610	69565.82	6.10
S50	50.000	46.521	3.479	341357.83	6.96
S200	200.000	194.735	5.265	1426242.29	2.63
S500	500.000	502.470	2.470	3678776.82	0.49

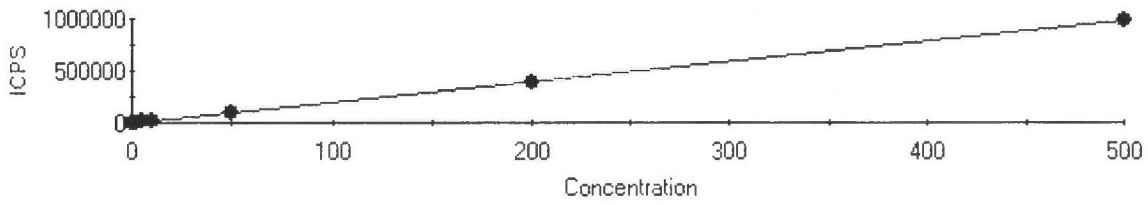
206Pb FQ Block 1



Intercept CPS=89.711249 Intercept Conc=0.036257
Sensitivity=2474.286391 Correlation Coeff=0.999941

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	89.71	0.00
S2	2.000	1.872	0.128	4721.93	6.39
S5	5.000	4.833	0.167	12048.56	3.33
S10	10.000	9.647	0.353	23957.93	3.53
S50	50.000	47.932	2.068	118686.22	4.14
S200	200.000	195.355	4.645	483454.31	2.32
S500	500.000	502.074	2.074	1242364.64	0.41

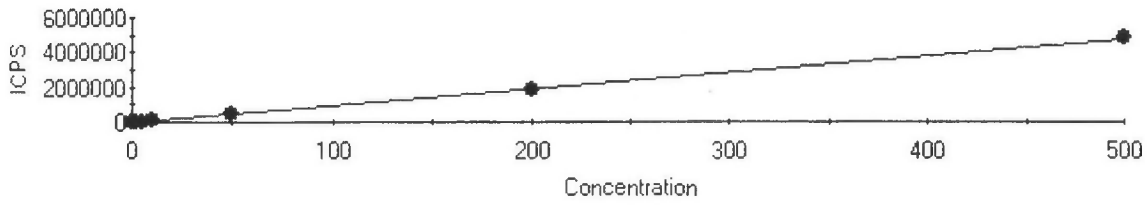
207Pb FQ Block 1



Intercept CPS=75.433590 Intercept Conc=0.038285
Sensitivity=1970.327497 Correlation Coeff=0.999969

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	75.43	0.00
S2	2.000	1.877	0.123	3774.47	6.13
S5	5.000	4.844	0.156	9620.18	3.12
S10	10.000	9.704	0.296	19195.94	2.96
S50	50.000	48.148	1.852	94942.32	3.70
S200	200.000	196.744	3.256	387724.70	1.63
S500	500.000	501.496	1.496	988186.32	0.30

208Pb FQ Block 1



Intercept CPS=358.105332 Intercept Conc=0.037423
Sensitivity=9569.209275 Correlation Coeff=0.999906

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	358.11	0.00
S2	2.000	1.843	0.157	17991.49	7.86
S5	5.000	4.755	0.245	45863.74	4.89
S10	10.000	9.494	0.506	91205.45	5.06
S50	50.000	47.235	2.765	452361.70	5.53
S200	200.000	194.146	5.854	1858179.54	2.93
S500	500.000	502.631	2.631	4810142.92	0.53

Dilution Corrected Concentrations

S0 06/17/2008 17:18:43

User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:19:20	98.29%	0.0049	-2.0518	-2.3193	-1.8865	-1.7759	-6.4921	97.13%
2	17:19:57	100.66%	-0.0105	-1.5595	-1.5670	-1.1596	-1.4994	-3.3552	99.21%
3	17:20:33	100.57%	-0.0057	-0.2113	-0.1805	-0.8037	-0.2519	-0.8625	101.03%
4	17:21:10	101.07%	-0.0011	1.3414	1.8962	1.4026	1.2467	3.3489	101.32%
5	17:21:47	99.41%	0.0125	2.4813	2.1706	2.4471	2.2805	7.3609	101.31%
x		100.00%	0.0000	0.0000	0.0000	0.0000	-0.0000	0.0000	100.00%
%RSD		1.14	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.83

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:19:20	-0.0117	0.0024	-0.0107	-1.9783	-0.0015	-3.7619	-2.4287	-0.0062
2	17:19:57	0.0094	-0.0178	0.0079	-3.4504	-0.0036	-3.4722	-3.5116	-0.0052
3	17:20:33	-0.0065	-0.0157	-0.0094	-1.1216	0.0055	-1.2936	0.3046	-0.0036
4	17:21:10	-0.0004	0.0084	0.0138	1.0349	-0.0045	2.8109	2.2909	0.0064
5	17:21:47	0.0091	0.0228	-0.0016	5.5153	0.0040	5.7168	3.3448	0.0087
x		-0.0000	0.0000	-0.0000	0.0000	-0.0000	-0.0000	0.0000	0.0000
%RSD		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:19:20	-0.0146	-0.0225	-0.0319	-0.0779	-0.0620	0.2262	-0.1898	0.3714
2	17:19:57	-0.0128	-0.0151	-0.0332	-0.0823	0.0686	0.0913	0.1896	-0.1300
3	17:20:33	-0.0081	0.0111	-0.0158	0.0327	-0.0216	-0.0853	-0.0398	0.0112
4	17:21:10	0.0027	0.0037	0.0362	0.0403	0.0230	-0.1429	0.0617	-0.4185
5	17:21:47	0.0328	0.0227	0.0447	0.0873	-0.0080	-0.0893	-0.0216	0.1658
x		-0.0000	0.0000	-0.0000	0.0000	-0.0000	-0.0000	-0.0000	0.0000
%RSD		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:19:20	94.84%	-0.0096	-0.4268	-0.0119	-0.0045	-0.0038	94.26%	0.0000
2	17:19:57	98.42%	-0.0092	-0.8346	-0.0068	-0.0007	-0.0051	99.02%	0.0000
3	17:20:33	101.04%	0.0008	0.4855	-0.0055	0.0012	0.0017	100.50%	0.0000
4	17:21:10	102.29%	0.0022	0.4616	0.0050	-0.0008	0.0016	102.70%	0.0000
5	17:21:47	103.41%	0.0157	0.3142	0.0193	0.0048	0.0056	103.52%	0.0000
x		100.00%	-0.0000	-0.0000	0.0000	-0.0000	-0.0000	100.00%	0.0000
%RSD		3.43	0.0000	0.0000	0.0000	0.0000	0.0000	3.67	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:19:20	0.0019	-0.0075	-0.0084	93.12%	0.0129	0.0099	-0.0048	-0.0124
2	17:19:57	-0.0094	0.0052	-0.0012	98.42%	-0.0049	0.0021	-0.0033	-0.0060
3	17:20:33	-0.0036	0.0050	0.0057	τ 101.31%	0.0044	-0.0048	0.0048	0.0057
4	17:21:10	0.0078	0.0047	-0.0014	τ 102.64%	-0.0012	-0.0029	-0.0000	0.0109
5	17:21:47	0.0033	-0.0075	0.0053	τ 104.50%	-0.0111	-0.0042	0.0034	0.0018
x		-0.0000	-0.0000	0.0000	τ 100.00%	0.0000	-0.0000	0.0000	-0.0000
%RSD		0.0000	0.0000	0.0000	τ 4.44	0.0000	0.0000	0.0000	0.0000

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:19:20	-0.0027	93.21%	0.0000
2	17:19:57	-0.0033	98.13%	0.0000
3	17:20:33	0.0006	100.89%	0.0000
4	17:21:10	0.0018	103.25%	0.0000
5	17:21:47	0.0036	104.53%	0.0000
x		0.0000	100.00%	0.0000
%RSD		0.0000	4.51	0.0000

S2 06/17/2008 17:24:06

User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:24:42	100.50%	1.9732	0.2225	0.7672	1.2979	0.7153	-0.5877	96.84%
2	17:25:19	99.75%	1.9141	1.7758	0.6870	1.1631	1.6468	3.0888	98.77%
3	17:25:56	99.49%	1.7673	1.9755	2.2551	2.6364	2.3689	6.1930	100.15%
4	17:26:32	99.74%	1.8720	1.4995	1.1731	1.8058	1.8999	2.6672	101.14%
5	17:27:09	101.07%	1.8783	1.1089	1.0782	0.8164	1.8526	4.1544	101.66%
x		100.11%	1.8810	1.3164	1.1921	1.5439	1.6967	3.1031	99.71%
%RSD		0.66	3.9967	52.6110	52.7030	45.7640	35.8890	79.6970	1.95

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:24:42	0.0498	1.8683	1.8081	0.1027	1.8715	0.2771	0.5786	1.8139
2	17:25:19	-0.0080	1.8950	1.8404	3.4518	1.8943	2.8538	4.5579	1.8630
3	17:25:56	0.0085	1.8389	1.8925	2.8369	1.8754	4.3645	4.7819	1.8063
4	17:26:32	0.0109	1.7709	1.8529	3.0879	1.9115	2.7516	1.3107	1.7526
5	17:27:09	-0.0085	1.8745	1.9260	0.7584	1.8364	1.8318	-2.0277	1.8326
x		0.0105	1.8495	1.8640	2.0475	1.8778	2.4158	1.8403	1.8137
%RSD		225.2200	2.6133	2.4681	73.7530	1.4990	62.1520	155.7700	2.2338

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:24:42	1.8094	1.9874	1.8783	2.1467	2.0056	2.1078	2.0347	-0.8344
2	17:25:19	1.9921	1.8687	1.9190	2.4127	2.1253	1.8932	2.2862	-0.4617
3	17:25:56	1.9239	1.8810	1.9532	2.2954	1.8584	1.4963	1.9477	-0.2504
4	17:26:32	1.9605	1.8970	1.8967	2.1584	1.8987	1.3702	1.6958	0.5477
5	17:27:09	1.9385	1.8687	1.8986	2.2606	2.1512	1.4789	2.6993	-0.9801
x		1.9249	1.9005	1.9092	2.2547	2.0078	1.6693	2.1327	-0.3958
%RSD		3.6085	2.6257	1.4954	4.8366	6.5224	18.8970	17.8440	152.0900

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:24:42	94.52%	1.8426	-1.7932	1.8580	1.8688	1.8935	93.83%	0.0000
2	17:25:19	98.62%	1.8323	-0.2896	1.8231	1.9958	1.8974	98.88%	0.0000
3	17:25:56	101.36%	1.8532	0.4715	1.8493	1.9006	1.8450	101.08%	0.0000
4	17:26:32	101.85%	1.7853	-0.3361	1.8312	1.9926	1.9100	102.41%	0.0000
5	17:27:09	102.05%	1.8854	0.1787	1.8746	1.9303	1.9123	102.22%	0.0000
x		99.68%	1.8398	-0.3537	1.8472	1.9376	1.8916	99.68%	0.0000
%RSD		3.21	1.9782	246.4900	1.1188	2.8920	1.4405	3.57	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:24:42	1.8610	1.9675	2.0318	92.09%	1.8888	1.8242	1.8814	1.8826
2	17:25:19	1.8680	2.2606	1.9383	98.50%	1.8981	1.8232	1.9713	1.8526
3	17:25:56	2.0032	1.7909	1.8944	τ 102.74%	1.8879	1.8351	1.8495	1.9209
4	17:26:32	1.9137	1.9734	1.9304	τ 103.48%	1.8051	1.8186	1.8080	1.9519
5	17:27:09	1.8631	1.7353	1.9197	τ 102.96%	1.8834	1.8145	1.8506	1.7789
x		1.9018	1.9455	1.9429	τ 99.96%	1.8727	1.8231	1.8721	1.8774
%RSD		3.1907	10.5550	2.6946	τ 4.83	2.0380	0.4247	3.2710	3.5521

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:24:42	1.8444	92.86%	0.0000
2	17:25:19	1.8691	99.44%	0.0000
3	17:25:56	1.8366	103.14%	0.0000
4	17:26:32	1.8402	103.70%	0.0000
5	17:27:09	1.8233	103.23%	0.0000
x		1.8427	100.47%	0.0000
%RSD		0.9070	4.57	0.0000

S5 06/17/2008 17:29:27

User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:30:04	101.72%	5.0245	4.3304	4.6205	5.1869	4.7394	9.5771	95.95%
2	17:30:41	102.75%	4.8675	6.3676	7.2193	7.6851	7.2417	18.8770	98.66%
3	17:31:17	102.15%	5.0801	7.2453	7.4310	6.0190	7.8317	16.9630	99.66%
4	17:31:54	101.26%	4.8522	6.0020	5.9923	5.2359	5.9317	9.5992	100.22%
5	17:32:31	101.38%	5.0417	5.2814	3.9789	4.6675	5.1667	9.6187	101.13%
x		101.85%	4.9732	5.8454	5.8484	5.7589	6.1822	12.9270	99.12%
%RSD		0.60	2.1226	18.8770	26.2220	20.4900	21.4270	35.6460	2.01

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:30:04	0.1164	4.8036	4.7938	6.7889	4.7751	8.9406	11.1020	4.7799
2	17:30:41	0.0881	4.7439	4.7747	10.4870	4.7657	13.9370	14.8020	4.6967
3	17:31:17	0.0670	4.7140	4.8578	11.1550	4.7144	14.1220	14.3730	4.8232
4	17:31:54	0.0309	4.7905	4.7938	6.9903	4.6424	10.4360	9.1073	4.7045
5	17:32:31	0.0347	4.6231	4.6647	7.6827	4.7422	8.0920	9.9628	4.6855
x		0.0674	4.7350	4.7770	8.6207	4.7280	11.1060	11.8700	4.7380
%RSD		53.6270	1.5241	1.4693	23.7710	1.1272	25.2020	21.7770	1.2746

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:30:04	5.0103	4.9564	4.6896	5.1214	5.0860	5.2461	5.4861	-1.2733
2	17:30:41	5.0436	4.9457	4.8535	5.0195	5.1115	4.8869	5.4537	-0.8633
3	17:31:17	5.0758	4.9340	5.0612	5.1583	5.2523	5.3574	5.5238	-0.7447
4	17:31:54	5.0776	4.7726	5.1498	5.1567	5.2528	4.5635	5.6833	-1.5424
5	17:32:31	4.9447	4.8989	5.0190	4.8984	4.9855	4.5563	5.1149	-1.6359
x		5.0304	4.9015	4.9546	5.0709	5.1376	4.9220	5.4524	-1.2119
%RSD		1.0985	1.5351	3.6944	2.2035	2.2378	7.5891	3.8189	32.8150

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:30:04	91.34%	4.8812	-2.0511	4.8482	4.9931	4.6861	89.76%	0.0000
2	17:30:41	95.07%	4.8804	-1.5340	4.8426	4.9624	5.0112	93.82%	0.0000
3	17:31:17	97.24%	4.7993	-1.1183	4.7947	4.8532	4.9270	96.66%	0.0000
4	17:31:54	99.69%	4.7470	-0.0344	4.7481	4.9556	4.9341	98.22%	0.0000
5	17:32:31	100.64%	4.7407	0.0393	4.8360	5.0533	4.8823	99.74%	0.0000
x		96.80%	4.8097	-0.9397	4.8139	4.9635	4.8881	95.64%	0.0000
%RSD		3.87	1.4294	98.0870	0.8807	1.4656	2.4973	4.13	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:30:04	4.8077	4.8487	4.9125	88.34%	4.9563	4.7663	4.8789	4.9719
2	17:30:41	4.7537	4.8653	4.9484	92.14%	4.7961	4.7778	4.7896	4.7698
3	17:31:17	4.7814	4.8809	4.9602	95.14%	4.7346	4.7007	4.8169	4.9607
4	17:31:54	4.9177	4.9674	4.9629	τ98.45%	4.8045	4.6780	4.7906	4.6201
5	17:32:31	4.9099	4.9887	4.9722	100.14%	4.7446	4.6842	4.8903	4.8988
x		4.8341	4.9102	4.9512	τ94.84%	4.8072	4.7214	4.8333	4.8442
%RSD		1.5574	1.2918	0.4701	τ5.02	1.8475	0.9986	0.9989	3.0728

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:30:04	4.7754	87.30%	0.0000
2	17:30:41	4.7011	93.06%	0.0000
3	17:31:17	4.8326	95.64%	0.0000
4	17:31:54	4.7208	98.52%	0.0000
5	17:32:31	4.7472	100.27%	0.0000
x		4.7554	94.96%	0.0000
%RSD		1.0816	5.36	0.0000

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:35:26	101.52%	10.2370	7.7047	7.6410	9.6852	8.2490	7.7856	95.18%
2	17:36:03	101.95%	9.7668	9.3789	9.7041	9.9044	10.2340	18.4270	97.90%
3	17:36:40	100.88%	9.9746	10.3290	11.7140	9.9097	10.3840	15.6610	99.59%
4	17:37:16	100.27%	9.9952	9.6765	8.0990	10.5620	9.9336	12.6790	99.96%
5	17:37:53	101.19%	9.9758	10.0200	11.2630	9.0770	8.8415	10.3450	100.72%
x		101.16%	9.9899	9.4218	9.6842	9.8276	9.5285	12.9790	98.67%
%RSD		0.63	1.6700	10.8700	18.8300	5.4210	9.8216	32.4300	2.24

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:35:26	0.1197	9.5431	9.8097	9.8581	9.2243	12.3470	17.9280	9.5622
2	17:36:03	0.1058	9.3587	9.9088	9.6401	9.4729	13.9200	18.7240	9.5013
3	17:36:40	0.0688	9.2492	9.3510	10.8040	9.4334	14.3870	13.4440	9.4732
4	17:37:16	0.0777	9.6690	9.6890	12.2520	9.3601	11.5780	11.5050	9.4135
5	17:37:53	0.0527	9.4068	9.6510	11.1100	9.5621	10.6440	11.9320	9.5006
x		0.0849	9.4454	9.6819	10.7330	9.4106	12.5750	14.7070	9.4902
%RSD		32.2470	1.7320	2.1807	9.7893	1.3503	12.4880	23.0730	0.5671

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:35:26	10.0930	10.0560	9.7925	11.0550	10.0500	10.3790	10.4510	-0.7862
2	17:36:03	10.0200	9.8957	10.1280	11.1440	9.8874	10.3840	10.2090	0.1200
3	17:36:40	9.8710	9.7417	10.0780	11.1620	10.1910	9.5488	11.0840	-0.7322
4	17:37:16	9.7857	9.7752	9.6558	10.6050	9.8282	9.3897	10.5710	-1.2687
5	17:37:53	10.0390	9.8932	9.6681	10.9040	9.9902	9.5906	10.2670	0.0739
x		9.9617	9.8724	9.8643	10.9740	9.9893	9.8584	10.5170	-0.5186
%RSD		1.2874	1.2534	2.2781	2.0987	1.4209	4.9027	3.3139	115.6300

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:35:26	89.66%	9.6442	-2.7728	9.6785	9.7664	9.9237	88.44%	0.0000
2	17:36:03	94.28%	9.6475	-0.6051	9.5890	9.8058	9.6541	93.19%	0.0000
3	17:36:40	96.89%	9.6940	-2.0431	9.6838	9.8075	9.6231	96.53%	0.0000
4	17:37:16	99.22%	9.7114	-0.4630	9.4761	9.8293	9.7271	98.56%	0.0000
5	17:37:53	99.56%	9.5943	-0.1520	9.5374	9.8141	9.6341	99.67%	0.0000
x		95.92%	9.6583	-1.2072	9.5930	9.8046	9.7124	95.28%	0.0000
%RSD		4.26	0.4774	94.2630	0.9372	0.2376	1.2858	4.77	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:35:26	9.5047	10.0770	10.0100	86.01%	9.6331	9.5384	9.9053	9.8826
2	17:36:03	9.6324	9.8875	10.0060	91.37%	9.5503	9.3948	9.5612	9.7742
3	17:36:40	9.5287	9.4859	9.5719	τ96.52%	9.4765	9.3855	9.7641	9.5765
4	17:37:16	9.6920	9.6944	9.7134	τ99.20%	9.4460	9.3196	9.5436	9.7902
5	17:37:53	9.5692	10.0380	9.9063	τ100.18%	9.5483	9.3120	9.4583	9.4976
x		9.5854	9.8367	9.8414	τ94.66%	9.5308	9.3901	9.6465	9.7042
%RSD		0.8006	2.5127	1.9583	τ6.25	0.7654	0.9688	1.8982	1.6546

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:35:26	9.6267	86.14%	0.0000
2	17:36:03	9.4480	91.70%	0.0000
3	17:36:40	9.5151	95.93%	0.0000
4	17:37:16	9.4733	98.32%	0.0000
5	17:37:53	9.4055	99.44%	0.0000
x		9.4937	94.30%	0.0000
%RSD		0.8883	5.77	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:40:49	100.68%	50.0000	46.5900	49.6690	47.5460	47.7190	48.5890	94.83%
2	17:41:26	102.04%	49.2560	48.7650	50.1400	52.4270	48.3410	53.4770	97.03%
3	17:42:03	101.26%	49.6880	49.8590	52.1870	48.4210	49.6010	56.4060	97.63%
4	17:42:39	101.54%	48.8760	48.1930	48.9950	50.4670	48.2490	56.4850	98.49%
5	17:43:16	101.10%	48.8880	48.3390	51.0170	48.6670	47.9150	47.1440	98.83%
x		101.32%	49.3420	48.3490	50.4010	49.5060	48.3650	52.4200	97.36%
%RSD		0.50	1.0050	2.4405	2.4604	3.9351	1.5195	8.3177	1.63

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:40:49	0.1797	47.2190	47.2660	45.4830	46.1190	48.1000	50.5790	47.2090
2	17:41:26	0.1075	46.5040	47.0200	44.7150	46.4790	48.2160	57.7080	46.6510
3	17:42:03	0.1243	46.7340	47.3600	51.2450	46.6690	47.6160	57.7520	46.7980
4	17:42:39	0.0932	46.2350	47.1380	45.7220	47.2240	46.0640	53.8610	46.3520
5	17:43:16	0.0909	46.4160	47.0760	48.7840	46.9400	46.0550	48.5640	46.5050
x		0.1191	46.6220	47.1720	47.1900	46.6860	47.2100	53.6930	46.7030
%RSD		30.5710	0.8132	0.2952	5.8208	0.9078	2.2756	7.7142	0.7023

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:40:49	49.1290	48.5470	49.4960	48.8730	49.7850	49.8860	50.7460	-0.1335
2	17:41:26	48.3800	48.3940	49.1740	48.0670	49.4110	48.3680	49.4190	-1.0002
3	17:42:03	49.2960	47.8180	49.1090	49.0010	49.4780	48.6230	49.9320	-0.6530
4	17:42:39	48.8170	48.0980	49.1680	49.4960	48.9390	49.7010	49.5830	-0.5575
5	17:43:16	48.7540	47.7180	48.2810	48.3130	48.5200	49.7400	49.5380	-0.3493
x		48.8750	48.1150	49.0460	48.7500	49.2270	49.2640	49.8440	-0.5387
%RSD		0.7268	0.7429	0.9244	1.1657	1.0109	1.4415	1.0826	60.6050

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:40:49	89.46%	47.4420	-2.5633	48.2190	49.0130	48.3760	87.75%	0.0000
2	17:41:26	93.38%	47.7790	-1.7515	47.6260	48.6800	48.2740	92.16%	0.0000
3	17:42:03	95.00%	47.2690	-1.8907	47.4580	48.3000	48.2130	94.37%	0.0000
4	17:42:39	95.92%	47.5580	-2.2814	47.3230	48.9850	48.2540	95.66%	0.0000
5	17:43:16	97.38%	47.2520	-1.2675	47.4880	48.4290	48.2980	96.65%	0.0000
x		94.23%	47.4600	-1.9509	47.6230	48.6810	48.2830	93.32%	0.0000
%RSD		3.22	0.4612	25.5610	0.7353	0.6582	0.1252	3.79	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:40:49	46.8750	48.8120	49.0200	85.52%	47.3890	46.5690	47.7750	48.1420
2	17:41:26	46.5500	49.3660	49.3930	90.60%	47.0380	46.5050	47.6360	47.9430
3	17:42:03	47.1920	48.8420	49.7740	93.59%	47.1330	46.3020	47.8780	47.9870
4	17:42:39	47.2650	48.8530	49.0260	τ 95.09%	47.1190	46.5610	48.0610	48.4290
5	17:43:16	47.8190	49.0450	49.7070	96.35%	47.1520	46.6700	48.3090	48.2390
x		47.1400	48.9840	49.3840	τ 92.23%	47.1660	46.5210	47.9320	48.1480
%RSD		1.0047	0.4747	0.7280	τ 4.68	0.2794	0.2936	0.5465	0.4088

Run	Time	205Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:40:49	47.3110	86.02%	0.0000
2	17:41:26	46.9560	91.49%	0.0000
3	17:42:03	47.0370	94.06%	0.0000
4	17:42:39	47.3300	95.20%	0.0000
5	17:43:16	47.5410	97.15%	0.0000
x		47.2350	92.78%	0.0000
%RSD		0.5029	4.63	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:46:13	97.69%	203.0000	193.5500	198.2800	186.2700	200.2800	206.1000	91.30%
2	17:46:49	96.78%	200.7600	200.2000	201.3000	199.8300	197.1400	197.1400	93.53%
3	17:47:26	97.10%	197.7100	203.7600	203.2700	207.3100	197.2000	198.8600	94.30%
4	17:48:03	95.13%	201.1000	208.0900	205.8800	218.6300	198.5800	213.3300	94.80%
5	17:48:39	94.63%	196.6900	205.8300	209.6400	212.8400	197.8200	201.3000	94.83%
x		96.27%	199.8500	202.2900	203.6700	204.9800	198.2100	203.3500	93.75%
%RSD		1.37	1.2969	2.8086	2.1316	6.1231	0.6544	3.2056	1.57

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:46:13	0.1966	194.4000	195.9300	198.3200	192.8900	192.1500	192.3000	194.8200
2	17:46:49	0.1401	193.7300	194.7500	197.5500	193.1200	188.8900	199.3200	193.1300
3	17:47:26	0.1484	193.2400	195.3300	196.7000	193.3300	192.0400	198.8800	194.1300
4	17:48:03	0.1301	193.6600	196.7900	201.5900	193.7300	193.3400	200.0000	194.4200
5	17:48:39	0.0878	194.8800	195.9900	199.9100	195.0800	189.6200	197.8800	194.3600
x		0.1406	193.9800	195.7600	198.8100	193.6300	191.2100	197.6700	194.1700
%RSD		27.7780	0.3349	0.3904	0.9805	0.4480	0.9779	1.5685	0.3258

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:46:13	202.1200	199.8000	201.9500	200.3000	201.5500	201.6400	203.6100	-0.9639
2	17:46:49	198.2100	195.8000	197.9300	200.2200	199.6900	201.9600	201.3800	-0.8341
3	17:47:26	200.0800	196.6500	198.7600	200.6400	197.5500	200.6100	199.2300	-0.6795
4	17:48:03	198.8500	196.2000	198.2100	198.3700	197.8600	198.3900	193.2600	-0.0824
5	17:48:39	199.3500	196.5100	196.0900	199.5900	198.1600	197.8100	197.3100	-0.0544
x		199.7200	196.9900	198.5900	199.8200	198.9600	200.0800	198.9600	-0.5229
%RSD		0.7541	0.8128	1.0732	0.4477	0.8371	0.9434	1.9912	81.6720

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:46:13	87.26%	197.2600	-2.2327	196.4500	198.1500	197.4000	86.44%	0.0000
2	17:46:49	91.18%	197.0100	-0.7850	195.6900	197.7200	198.1700	90.51%	0.0000
3	17:47:26	92.55%	194.8800	1.9275	195.9800	198.4300	197.8200	93.06%	0.0000
4	17:48:03	94.72%	194.5200	-1.3726	194.0000	197.2200	196.5600	95.26%	0.0000
5	17:48:39	95.66%	194.0700	0.4369	194.7200	197.5500	197.3100	96.19%	0.0000
x		92.27%	195.5500	-0.4052	195.3700	197.8100	197.4500	92.29%	0.0000
%RSD		3.59	0.7571	401.2000	0.5065	0.2433	0.3069	4.27	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:46:13	193.5900	200.2100	202.3600	85.16%	196.1600	196.0800	195.9400	198.4600
2	17:46:49	195.6400	202.8200	198.2400	90.55%	193.9100	194.0700	195.4100	195.9600
3	17:47:26	197.7100	203.0800	199.7600	93.27%	195.5200	194.8700	195.1700	196.6200
4	17:48:03	197.6800	197.8900	196.1400	τ97.00%	193.1500	194.6700	195.4000	197.3300
5	17:48:39	195.5500	198.0700	197.9000	97.13%	194.3600	193.9900	194.8500	195.3500
x		196.0300	200.4100	198.8800	τ92.62%	194.6200	194.7400	195.3600	196.7400
%RSD		0.8797	1.2430	1.1733	τ5.40	0.6249	0.4320	0.2042	0.6155

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:46:13	194.5700	85.86%	0.0000
2	17:46:49	194.7200	91.49%	0.0000
3	17:47:26	194.2800	95.39%	0.5166
4	17:48:03	194.1400	98.21%	0.0000
5	17:48:39	193.0100	99.26%	0.0000
x		194.1500	94.04%	0.1033
%RSD		0.3469	5.82	223.6100

S500 06/17/2008 17:51:00

User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:51:36	94.11%	502.3400	492.3600	513.6600	502.7700	501.6200	501.3200	89.07%
2	17:52:13	92.40%	506.1900	509.8000	506.6800	519.4400	504.1300	490.0100	90.59%
3	17:52:50	91.61%	500.7000	523.1400	515.8900	518.0600	501.3800	517.0000	90.78%
4	17:53:27	90.60%	496.1600	524.9900	524.3300	523.1900	498.7100	497.2900	90.82%
5	17:54:03	92.00%	495.2500	521.0100	520.5600	521.8100	498.5600	521.5100	91.16%
x		92.14%	500.1300	514.2600	516.2200	517.0500	500.8800	505.4300	90.48%
%RSD		1.40	0.9024	2.6430	1.3077	1.5921	0.4622	2.6425	0.90

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:51:36	0.2268	506.3700	504.1500	498.5500	495.3900	482.6700	503.3600	506.6300
2	17:52:13	0.1612	504.2600	504.3100	501.1900	501.2800	493.3000	496.5800	500.4800
3	17:52:50	0.1341	500.8100	500.9700	507.8900	505.5800	496.8700	507.3100	504.2700
4	17:53:27	0.1251	501.3300	498.5400	513.0100	505.3700	490.2400	502.3700	501.3900
5	17:54:03	0.1174	501.0200	501.9700	507.8800	506.8500	491.7700	499.8100	500.5900
x		0.1529	502.7600	501.9900	505.7000	502.9000	490.9700	501.8900	502.6700
%RSD		29.0880	0.4890	0.4772	1.1466	0.9324	1.0696	0.7989	0.5356

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:51:36	504.5000	505.3100	506.7600	502.6900	508.0400	508.6600	509.5700	-0.0854
2	17:52:13	497.0900	501.3100	500.0900	496.2800	498.4100	501.6300	495.0000	-0.1921
3	17:52:50	502.3300	503.9200	502.4600	499.7200	500.4600	500.2600	502.3400	0.4783
4	17:53:27	496.7600	497.5500	497.1300	499.9600	496.9500	493.7400	495.4200	-0.2011
5	17:54:03	500.4500	498.8900	496.8800	502.2300	498.5900	495.9400	499.7600	0.8685
x		500.2300	501.4000	500.6600	500.1700	500.4900	500.0500	500.4200	0.1736
%RSD		0.6678	0.6523	0.8209	0.5096	0.8796	1.1547	1.1918	275.7200

Run	Time	89Y	107Ag	108MoO	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:51:36	86.02%	507.2800	-0.4135	510.4400	506.3600	505.4500	85.00%	0.0000
2	17:52:13	89.79%	503.2800	0.1544	499.5700	500.5400	500.1500	89.39%	0.0000
3	17:52:50	90.68%	499.8400	0.6780	503.4700	498.7100	500.0400	91.39%	0.0000
4	17:53:27	91.61%	500.9000	0.9457	499.9400	502.0500	503.2000	92.23%	0.0000
5	17:54:03	91.30%	498.9300	-0.8619	497.0900	497.3900	497.1500	93.22%	0.0000
x		89.88%	502.0500	0.1005	502.1000	501.0100	501.2000	90.25%	0.0000
%RSD		2.52	0.6670	744.5800	1.0326	0.6935	0.6381	3.60	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:51:36	498.8400	503.1200	505.8400	85.31%	500.7800	517.3100	499.7300	497.1300
2	17:52:13	500.0000	500.7000	499.5300	90.55%	503.6800	τ499.7300	503.8900	502.3200
3	17:52:50	504.3900	502.4100	502.0700	92.38%	504.9700	τ501.7500	505.3200	503.0800
4	17:53:27	503.4900	498.0700	498.5800	94.77%	500.3300	τ496.0200	502.4200	502.5700
5	17:54:03	502.6900	495.4100	496.5500	τ96.39%	502.4800	τ497.5400	499.0200	502.3600
x		501.8800	499.9400	500.5100	τ91.88%	502.4500	τ502.4700	502.0700	501.5000
%RSD		0.4710	0.6387	0.7153	τ4.68	0.3867	τ1.7065	0.5345	0.4900

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:51:36	498.4200	86.77%	0.5679
2	17:52:13	505.1800	91.61%	0.0000
3	17:52:50	503.3000	94.33%	0.0000
4	17:53:27	502.9500	96.69%	0.0000
5	17:54:03	503.3100	97.65%	0.5046
x		502.6300	93.41%	0.2145
%RSD		0.5001	4.69	137.3300

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:57:01	89.39%	1011.6000	956.5700	990.4900	1005.9000	T 999.7100	1015.0000	80.59%
2	17:57:38	87.84%	1001.7000	994.5400	1014.6000	1010.3000	1022.5000	978.0100	80.89%
3	17:58:14	87.14%	999.1800	1018.7000	1025.3000	1019.4000	T 979.6000	1042.1000	81.39%
4	17:58:51	86.41%	1009.7000	1014.9000	1023.0000	1010.6000	997.3600	1042.6000	81.97%
5	17:59:28	86.61%	991.5400	1018.7000	1011.2000	1010.0000	998.1600	1047.3000	81.62%
x		87.48%	1002.7000	1000.7000	1012.9000	1011.3000	T 999.4700	1025.0000	81.29%
%RSD		1.38	0.8148	2.6605	1.3642	0.4873	T 1.5283	2.8475	0.68

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:57:01	0.2311	T 998.7800	T 999.6300	999.4800	T 995.6500	983.5200	1019.7000	T 1000.3000
2	17:57:38	0.1743	T 996.3700	T 997.5900	1016.2000	T 995.3400	1000.8000	1014.1000	T 1000.0000
3	17:58:14	0.1686	T 982.1200	T 988.0700	1010.7000	T 994.6900	987.4900	1001.0000	T 998.1600
4	17:58:51	0.1434	T 985.0500	T 993.4100	997.6300	T 996.7900	985.0500	1004.0000	T 989.0300
5	17:59:28	0.1522	T 980.6100	T 989.9700	1005.0000	T 1004.8000	992.8900	1010.3000	T 985.9500
x		0.1739	T 988.5900	T 993.7300	1005.8000	T 997.4600	989.9400	1009.8000	T 994.6800
%RSD		19.7190	T 0.8499	T 0.4927	0.7715	T 0.4197	0.7089	0.7496	T 0.6740

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:57:01	1020.1000	1037.6000	1027.5000	1007.2000	1015.5000	M 1011.3000	M 1015.6000	1.7981
2	17:57:38	1023.5000	1034.7000	1016.6000	1012.7000	1001.8000	M 1003.2000	998.9000	0.8808
3	17:58:14	1012.0000	1024.2000	1003.0000	1016.5000	1004.1000	990.7200	994.5600	1.4978
4	17:58:51	1006.1000	1012.6000	1007.1000	1008.8000	992.6600	989.0400	997.8400	-0.1368
5	17:59:28	1005.8000	1020.3000	1003.4000	1008.3000	994.3700	986.4100	986.0600	0.5847
x		1013.5000	1025.9000	1011.5000	1010.7000	1001.7000	M 996.1400	M 998.5900	0.9249
%RSD		0.7978	1.0057	1.0351	0.3801	0.9080	M 1.0702	M 1.0782	82.6150

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:57:01	77.87%	M 1040.2000	5.0848	M 1040.5000	1001.1000	1011.4000	77.66%	0.0000
2	17:57:38	79.34%	M 1038.4000	0.0752	M 1038.0000	1000.9000	1018.7000	80.00%	0.0000
3	17:58:14	80.92%	M 1036.4000	1.1638	M 1033.8000	1001.6000	1013.2000	81.88%	0.0000
4	17:58:51	81.73%	M 1033.8000	0.6198	M 1037.9000	1005.7000	1020.6000	82.53%	0.0000
5	17:59:28	81.56%	M 1028.6000	-1.5857	M 1023.6000	1001.6000	1014.1000	83.40%	0.0000
x		80.28%	M 1035.5000	1.0716	M 1034.8000	1002.2000	1015.6000	81.09%	0.0000
%RSD		2.05	M 0.4368	230.3500	M 0.6477	0.1974	0.3828	2.82	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:57:01	996.7900	1011.4000	1008.8000	77.35%	1033.5000	T 993.0400	T 1009.8000	1024.8000
2	17:57:38	M 1021.6000	1008.1000	1004.6000	80.82%	1037.6000	T 997.8700	T 1014.0000	1037.3000
3	17:58:14	M 1013.9000	998.6000	1002.2000	83.48%	1039.2000	T 994.3400	T 1008.4000	1034.3000
4	17:58:51	M 1024.7000	993.2300	999.5800	85.00%	1035.6000	T 989.4100	T 1000.3000	1025.5000
5	17:59:28	M 1012.0000	992.9600	995.5200	85.19%	1036.9000	T 994.3300	T 1011.7000	1033.7000
x		M 1013.8000	1000.9000	1002.1000	82.37%	1036.6000	T 993.8000	T 1008.8000	1031.1000
%RSD		M 1.0730	0.8516	0.4999	4.01	0.2072	T 0.3058	T 0.5179	0.5445

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:57:01	T 998.3800	80.05%	0.0000
2	17:57:38	T 1002.2000	83.95%	0.5870
3	17:58:14	T 995.8000	86.36%	1.1412
4	17:58:51	T 992.3000	88.56%	0.0000
5	17:59:28	T 999.4700	88.74%	0.0000
x		T 997.6400	85.53%	0.3456
%RSD		T 0.3777	4.24	148.2000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:02:25	86.10%	1530.7000	1450.0000	1464.2000	1481.9000	T 1461.6000	1497.7000	77.32%
2	18:03:02	86.72%	1502.6000	1461.0000	1480.7000	1469.2000	T 1463.6000	1528.0000	78.70%
3	18:03:38	86.21%	1502.9000	1479.7000	1504.4000	1476.0000	T 1467.1000	1501.0000	79.48%
4	18:04:15	86.56%	1495.0000	1503.4000	1498.5000	1507.5000	T 1458.2000	1483.5000	79.45%
5	18:04:51	84.36%	1521.8000	1540.2000	1542.9000	1524.1000	T 1460.2000	1523.8000	80.12%
x		85.99%	1510.6000	1486.9000	1498.2000	1491.7000	T 1462.2000	1506.8000	79.01%
%RSD		1.10	0.9915	2.4238	1.9746	1.5525	T 0.2323	1.2395	1.36

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:02:25	0.3212	T 1486.0000	T 1495.7000	1497.5000	T 1496.0000	1485.4000	1524.8000	T 1499.6000
2	18:03:02	0.1916	T 1486.3000	T 1492.6000	1501.9000	T 1489.4000	1492.6000	1480.4000	T 1501.9000
3	18:03:38	0.1990	T 1481.3000	T 1490.8000	1485.9000	T 1494.6000	1495.0000	1500.3000	T 1508.0000
4	18:04:15	0.1163	T 1486.3000	T 1496.1000	1526.8000	T 1506.4000	1495.3000	1505.0000	T 1504.5000
5	18:04:51	0.1526	T 1475.7000	T 1497.6000	1503.4000	T 1514.9000	1508.7000	1513.2000	T 1510.9000
x		0.1961	T 1483.1000	T 1494.6000	1503.1000	T 1500.3000	1495.4000	1504.7000	T 1505.0000
%RSD		39.4440	T 0.3146	T 0.1862	0.9941	T 0.6836	0.5640	1.0962	T 0.3025

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:02:25	1550.7000	T 1492.6000	1556.0000	1519.7000	1529.9000	M 1515.1000	M 1518.6000	1.5129
2	18:03:02	1536.8000	T 1485.3000	1547.5000	1509.6000	1511.1000	M 1494.8000	M 1489.3000	2.1623
3	18:03:38	1546.6000	T 1486.0000	1548.9000	1516.3000	1509.1000	M 1488.2000	M 1494.6000	1.2489
4	18:04:15	1544.8000	T 1474.6000	1529.8000	1520.3000	1508.6000	M 1496.0000	M 1483.2000	1.2760
5	18:04:51	1536.3000	T 1483.0000	1531.4000	1520.9000	1503.3000	M 1477.1000	M 1489.1000	1.0431
x		1543.0000	T 1484.3000	1542.7000	1517.4000	1512.4000	M 1494.2000	M 1495.0000	1.4486
%RSD		0.4096	T 0.4362	0.7482	0.3088	0.6756	M 0.9278	M 0.9253	29.8420

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:02:25	74.15%	TM 1526.3000	3.1757	TM 1537.2000	1509.7000	1551.3000	74.34%	0.0000
2	18:03:02	76.62%	TM 1516.1000	-15.3260	TM 1522.3000	1510.2000	1544.9000	76.96%	0.0000
3	18:03:38	77.63%	TM 1514.5000	-2.0179	TM 1516.6000	1510.2000	1543.0000	78.66%	0.0000
4	18:04:15	78.47%	TM 1517.5000	0.2407	TM 1515.5000	1519.6000	1552.0000	79.16%	0.0000
5	18:04:51	79.45%	TM 1505.6000	-3.7762	TM 1507.3000	1512.6000	1550.6000	81.10%	0.0000
x		77.26%	TM 1516.0000	-3.5408	TM 1519.8000	1512.5000	1548.4000	78.05%	0.0000
%RSD		2.63	TM 0.4872	200.0400	TM 0.7331	0.2735	0.2671	3.25	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:02:25	M 1550.3000	1518.1000	1522.2000	75.28%	T 1517.8000	T 1506.1000	T 1513.7000	1583.6000
2	18:03:02	M 1549.0000	1512.4000	1523.4000	78.55%	T 1515.1000	T 1494.6000	T 1511.2000	T 1527.5000
3	18:03:38	M 1560.7000	1517.2000	1519.7000	80.08%	T 1523.9000	T 1501.5000	T 1517.5000	T 1530.2000
4	18:04:15	M 1564.8000	1519.7000	1517.7000	81.65%	T 1525.8000	T 1508.3000	T 1511.9000	1588.9000
5	18:04:51	M 1566.0000	1504.5000	1516.3000	83.35%	T 1513.0000	T 1493.0000	T 1512.0000	1588.7000
x		M 1558.2000	1514.4000	1519.9000	79.78%	T 1519.1000	T 1500.7000	T 1513.3000	T 1563.8000
%RSD		M 0.5149	0.4067	0.1945	3.87	T 0.3636	T 0.4525	T 0.1685	T 2.0434

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:02:25	T 1508.2000	77.36%	1.2739
2	18:03:02	T 1496.3000	81.17%	0.0000
3	18:03:38	T 1502.9000	82.94%	1.7823
4	18:04:15	T 1511.2000	84.59%	0.0000
5	18:04:51	T 1509.4000	86.36%	1.1412
x		T 1505.6000	82.48%	0.8395
%RSD		T 0.4016	4.18	95.6340

S2000 06/17/2008 18:07:13

User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:07:50	85.34%	2043.4000	1892.7000	1878.5000	1921.6000	T 1950.9000	1942.6000	76.80%
2	18:08:27	84.21%	2023.4000	1991.7000	1998.9000	1985.4000	T 1966.6000	1986.7000	77.17%
3	18:09:03	84.09%	2008.5000	2011.9000	1980.6000	1991.8000	T 1928.9000	1972.6000	78.92%
4	18:09:40	84.40%	1992.5000	2046.5000	2029.4000	2042.7000	T 1944.2000	2000.8000	79.18%
5	18:10:16	83.83%	2004.7000	2086.0000	2065.0000	2037.7000	T 1950.5000	2000.4000	79.69%
x		84.37%	2014.5000	2005.8000	1990.5000	1995.8000	T 1948.2000	1980.6000	78.35%
%RSD		0.69	0.9708	3.6224	3.5333	2.4520	T 0.6981	1.2217	1.64

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:07:50	0.2719	T 1976.5000	T 1977.5000	1957.0000	T 1976.3000	1973.6000	1960.4000	T 1991.1000
2	18:08:27	0.1658	T 1990.2000	T 2005.6000	2000.5000	T 1995.5000	2011.7000	2008.0000	T 2002.7000
3	18:09:03	0.1766	T 1969.0000	T 1983.2000	1983.2000	T 1986.4000	2008.7000	1988.7000	T 1994.8000
4	18:09:40	0.1533	T 1977.8000	T 1995.0000	2013.4000	T 1996.0000	2024.3000	2011.8000	T 1987.3000
5	18:10:16	0.1577	T 1985.7000	T 1996.7000	2013.5000	T 2007.3000	2039.9000	1986.9000	T 1991.4000
x		0.1851	T 1979.9000	T 1991.6000	1993.5000	T 1992.3000	2011.7000	1991.2000	T 1993.5000
%RSD		26.6720	T 0.4177	T 0.5639	1.1992	T 0.5824	1.2199	1.0292	T 0.2923

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:07:50	2074.5000	T 1976.9000	2087.1000	2014.2000	2028.2000	M 2003.1000	M 2003.2000	4.1057
2	18:08:27	2074.7000	T 1976.7000	2075.4000	2023.0000	2025.5000	M 1983.9000	M 1987.4000	2.2123
3	18:09:03	2050.9000	T 1965.8000	2071.7000	2011.7000	2009.6000	M 1955.3000	M 1968.1000	2.1726
4	18:09:40	2053.3000	T 1957.0000	2038.6000	2017.4000	1998.1000	M 1950.0000	M 1941.1000	2.8856
5	18:10:16	2045.4000	T 1944.1000	2039.1000	2008.0000	1994.5000	M 1920.9000	M 1945.2000	2.3576
x		2059.8000	T 1964.1000	2062.4000	2014.8000	2011.2000	M 1962.6000	M 1969.0000	2.7467
%RSD		0.6737	T 0.7076	1.0771	0.2831	0.7654	M 1.6191	M 1.3559	29.5360

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:07:50	72.54%	TM 2001.3000	-7.6559	TM 1993.8000	2000.7000	2078.0000	72.86%	0.0000
2	18:08:27	75.14%	TM 1997.6000	0.2967	TM 2000.9000	2018.1000	2084.1000	76.07%	0.0000
3	18:09:03	77.53%	TM 1989.7000	5.9139	TM 1979.6000	2012.4000	2090.1000	78.64%	0.0000
4	18:09:40	78.86%	TM 1980.3000	-8.0724	TM 1983.5000	2026.1000	2090.5000	80.08%	0.0000
5	18:10:16	80.33%	TM 1967.9000	-9.1182	TM 1967.6000	2013.4000	2091.1000	81.55%	0.0000
x		76.88%	TM 1987.4000	-3.7272	TM 1985.1000	2014.1000	2086.8000	77.84%	0.0000
%RSD		4.01	TM 0.6803	176.2000	TM 0.6484	0.4593	0.2692	4.42	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:07:50	M 2075.3000	2029.4000	2038.4000	72.94%	T 2026.2000	T 2011.1000	T 2018.3000	T 2034.5000
2	18:08:27	M 2106.2000	2021.2000	2038.9000	77.33%	T 2015.5000	T 2000.0000	T 2013.2000	T 2034.7000
3	18:09:03	TM 2086.1000	2013.6000	2027.0000	80.38%	T 2011.3000	T 1993.7000	T 2004.9000	T 2019.2000
4	18:09:40	TM 2089.7000	2027.2000	2030.1000	82.62%	T 2008.5000	T 2004.0000	T 2015.2000	T 2034.1000
5	18:10:16	TM 2093.7000	2004.0000	2036.4000	83.23%	T 2004.7000	T 1994.9000	T 2000.2000	T 2024.4000
x		TM 2090.2000	2019.1000	2034.2000	79.30%	T 2013.2000	T 2000.7000	T 2010.4000	T 2029.4000
%RSD		TM 0.5395	0.5164	0.2607	5.35	T 0.4108	T 0.3549	T 0.3768	T 0.3516

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:07:50	T 1997.4000	74.96%	1.3148
2	18:08:27	T 1990.4000	79.90%	0.6167
3	18:09:03	T 1981.8000	83.28%	0.0000
4	18:09:40	T 1991.2000	85.44%	0.0000
5	18:10:16	T 1989.8000	87.61%	2.2499
x		T 1990.1000	82.24%	0.8363
%RSD		T 0.2789	6.04	114.6000

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:13:14	85.80%	101.8900	1235.8000	1228.0000	1250.4000	514.8700	2039.8000	80.61%
2	18:13:51	87.44%	101.8700	1264.0000	1247.6000	1268.8000	511.7600	2072.6000	82.19%
3	18:14:28	88.04%	100.8400	1280.2000	1266.6000	1293.1000	506.0000	2051.2000	83.28%
4	18:15:04	87.48%	100.0500	1297.5000	1291.5000	1293.6000	510.2300	2058.8000	83.52%
5	18:15:41	86.44%	99.7570	1310.2000	1277.1000	1289.0000	511.0800	2060.2000	83.39%
x		87.04%	100.8800	1277.5000	1262.2000	1279.0000	510.7900	2056.5000	82.60%
%RSD		1.04	0.9849	2.2813	1.9753	1.4803	0.6265	0.5884	1.49

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:13:14	0.2231	98.3870	98.0630	745.0900	98.4310	1003.1000	1013.1000	98.7230
2	18:13:51	0.2461	98.0360	98.1150	759.2700	98.6210	1016.6000	1060.2000	98.2870
3	18:14:28	0.1379	98.2130	98.0350	757.1700	98.9260	1022.1000	1042.7000	98.6050
4	18:15:04	0.1429	98.3290	97.8390	758.0500	99.7470	1022.8000	1055.4000	97.9150
5	18:15:41	0.1202	98.3240	98.2520	764.3600	98.3580	1018.9000	1059.9000	96.7590
x		0.1741	98.2580	98.0610	756.7900	98.8160	1016.7000	1046.3000	98.0580
%RSD		32.4690	0.1418	0.1524	0.9393	0.5713	0.7868	1.8970	0.8065

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:13:14	102.0600	100.8300	102.1600	209.5200	202.4700	209.5700	213.9400	0.2222
2	18:13:51	102.2800	100.9200	101.7800	208.6200	198.0800	207.4400	209.4600	0.2606
3	18:14:28	101.0100	99.4920	99.7570	209.8900	198.0800	204.4300	205.0000	0.3966
4	18:15:04	100.4800	99.3470	99.9960	206.6800	197.5400	205.0600	204.9600	-0.8972
5	18:15:41	100.4300	99.0830	99.7660	207.8700	197.6800	204.2500	206.1200	-0.6815
x		101.2500	99.9350	100.6900	208.5200	198.7700	206.1500	207.9000	-0.1399
%RSD		0.8588	0.8726	1.1707	0.6201	1.0471	1.1141	1.8485	429.8800

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:13:14	78.08%	98.3480	-1.6451	98.7750	99.9290	100.4100	78.96%	0.0000
2	18:13:51	81.63%	97.7950	-1.2684	98.0950	102.5900	101.9100	82.66%	0.0000
3	18:14:28	83.32%	98.1080	-1.9676	97.7590	101.6400	100.7200	84.34%	0.0000
4	18:15:04	84.72%	98.0960	-1.2689	97.9170	100.4500	101.4900	85.43%	0.0000
5	18:15:41	85.05%	97.9660	-0.8781	97.6580	100.5400	100.3600	86.35%	0.0000
x		82.56%	98.0630	-1.4056	98.0410	101.0300	100.9800	83.55%	0.0000
%RSD		3.45	0.2076	29.5240	0.4511	1.0615	0.6814	3.48	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:13:14	201.7700	101.4700	101.9500	80.64%	207.7400	208.7500	197.9300	209.1400
2	18:13:51	204.0100	102.7000	100.9700	84.99%	209.9100	208.7500	199.4500	210.2000
3	18:14:28	205.0100	102.3000	100.5700	87.79%	206.7500	208.5300	197.3500	208.8500
4	18:15:04	205.8600	101.5200	99.3110	89.02%	206.0400	209.0600	199.1300	209.3700
5	18:15:41	205.6000	100.2800	101.4200	89.59%	207.7700	206.9200	196.5800	208.4700
x		204.4500	101.6500	100.8400	86.41%	207.6400	208.4000	198.0900	209.2000
%RSD		0.8118	0.9152	0.9918	4.26	0.7042	0.4083	0.6077	0.3099

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:13:14	202.2700	82.92%	0.0000
2	18:13:51	203.0700	87.77%	0.5614
3	18:14:28	202.5800	90.72%	0.0000
4	18:15:04	202.5800	92.64%	1.0638
5	18:15:41	200.9300	93.16%	0.0000
x		202.2900	89.44%	0.3251
%RSD		0.4012	4.71	147.4300

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:18:40	91.03%	0.3147	-2.0129	-1.9202	-2.1365	-2.3155	-1.0523	82.62%
2	18:19:17	90.41%	0.4599	-1.7129	-1.7285	-1.5954	-1.9180	-1.0794	84.90%
3	18:19:54	91.52%	0.3952	-2.1076	-1.8092	-2.0932	-2.1437	-0.1814	86.20%
4	18:20:30	92.48%	0.2502	-2.0857	-2.1447	-2.1587	-2.2646	-4.2839	86.73%
5	18:21:07	91.31%	0.2358	-2.1445	-2.6020	-2.3353	-2.2922	-3.7961	86.91%
x		91.35%	0.3312	-2.0127	-2.0409	-2.0638	-2.1868	-2.0786	85.47%
%RSD		0.83	28.8840	8.6632	17.1750	13.4510	7.5077	88.2650	2.08

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:18:40	0.2412	0.2527	0.2026	-5.0264	0.2687	-8.7291	5.4928	0.3030
2	18:19:17	0.2097	0.4402	0.4251	-3.5734	0.4201	-8.7302	8.9251	0.4455
3	18:19:54	0.1513	0.3606	0.2504	-4.1429	0.3327	-9.2957	2.2073	0.3612
4	18:20:30	0.1295	0.2170	0.1869	-1.2757	0.2412	-10.9780	-0.3935	0.2240
5	18:21:07	0.1621	0.2300	0.1987	-3.0546	0.2052	-9.6417	5.3004	0.2056
x		0.1788	0.3001	0.2527	-3.4146	0.2936	-9.4749	4.3064	0.3079
%RSD		25.5070	32.2090	39.3260	41.0480	28.8620	9.7734	82.2820	32.1900

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:18:40	0.3274	0.4897	0.5223	0.1596	0.5238	0.5412	0.9587	-1.1315
2	18:19:17	0.4192	0.6708	0.7082	0.4149	0.7143	0.2326	1.3678	-1.5011
3	18:19:54	0.2959	0.5034	0.5056	0.3237	0.3448	0.3782	0.2777	0.6474
4	18:20:30	0.2794	0.4852	0.4128	0.0953	0.2643	-0.2004	0.1410	0.1871
5	18:21:07	0.1873	0.4199	0.4480	0.0378	0.2455	-0.1088	0.3429	-0.8942
x		0.3018	0.5138	0.5194	0.2063	0.4185	0.1686	0.6176	-0.5385
%RSD		27.7680	18.1970	22.0230	76.7310	47.4410	187.5800	84.8000	169.6400

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:18:40	78.79%	0.1557	-1.8699	0.1631	0.3042	0.2790	78.69%	0.0000
2	18:19:17	82.02%	0.2227	-1.4878	0.2391	0.4604	0.4810	82.64%	0.0000
3	18:19:54	83.91%	0.3366	-0.9105	0.3599	0.3838	0.4093	84.30%	0.0000
4	18:20:30	85.38%	0.9103	-0.1978	0.8716	0.3395	0.2306	85.41%	0.0000
5	18:21:07	86.06%	1.4249	-0.6133	1.3761	0.2201	0.2220	86.43%	0.0000
x		83.23%	0.6100	-1.0159	0.6019	0.3416	0.3244	83.49%	0.0000
%RSD		3.52	89.2360	65.9330	85.3150	26.2130	35.5190	3.63	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:18:40	1.1459	0.2633	0.2617	78.79%	0.3399	0.3446	0.3183	0.3279
2	18:19:17	1.3216	0.6299	0.4119	82.66%	0.5393	0.5129	0.5365	0.4789
3	18:19:54	1.2953	0.3850	0.3430	85.17%	0.3510	0.3396	0.3733	0.4026
4	18:20:30	1.0998	0.3356	0.1566	86.51%	0.2013	0.2118	0.2806	0.2451
5	18:21:07	1.0061	0.2304	0.2319	87.65%	0.1706	0.1539	0.2151	0.1794
x		1.1737	0.3688	0.2810	84.16%	0.3204	0.3125	0.3448	0.3268
%RSD		11.3490	42.8210	35.2440	4.19	45.7210	44.4510	35.2880	36.6180

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:18:40	0.3183	80.47%	0.0000
2	18:19:17	0.5031	85.76%	0.0000
3	18:19:54	0.3810	88.80%	0.0000
4	18:20:30	0.2590	90.14%	0.0000
5	18:21:07	0.2144	91.08%	0.0000
x		0.3352	87.25%	0.0000
%RSD		33.6890	4.92	0.0000

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:24:04	91.11%	1.1460	-2.1413	-2.7320	-2.3843	-2.3577	-3.1186	82.95%
2	18:24:41	91.73%	1.2377	-2.0858	-2.2673	-2.2693	-2.2387	-1.0506	84.74%
3	18:25:17	92.40%	1.2907	-1.9248	-2.2082	-2.1564	-2.1780	-4.7004	86.22%
4	18:25:54	92.66%	1.2812	-2.0392	-2.2163	-1.8709	-2.2101	-2.9250	88.40%
5	18:26:31	94.23%	1.1799	-2.2695	-2.4784	-2.2298	-2.4350	-1.0923	88.48%
x		92.42%	1.2271	-2.0921	-2.3805	-2.1821	-2.2839	-2.5774	86.16%
%RSD		1.27	5.1377	6.0792	9.4541	8.8232	4.7451	59.6610	2.77

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:24:04	0.2866	4.8420	2.0174	-5.4107	1.0689	-8.4025	8.1728	1.0807
2	18:24:41	0.2311	4.9993	2.0905	-2.8039	1.1409	-8.3157	4.6061	1.1526
3	18:25:17	0.1605	5.0727	2.1645	-2.5097	1.2198	-9.5610	4.8951	1.2517
4	18:25:54	0.1220	4.7357	2.0988	-2.9478	1.1530	-10.6800	1.9838	1.1276
5	18:26:31	0.0655	4.8232	2.0553	-4.3603	1.0820	-10.6850	-0.8429	1.0816
x		0.1732	4.8946	2.0853	-3.6065	1.1329	-9.5288	3.7630	1.1389
%RSD		50.5100	2.8122	2.6249	34.2540	5.3510	12.1970	89.9420	6.1657

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:24:04	1.2126	2.2062	2.2999	2.1506	1.4147	5.4153	5.8841	-1.2677
2	18:24:41	1.1289	2.4294	2.4619	2.2164	1.5436	5.6293	6.1147	-0.6994
3	18:25:17	1.2486	2.3715	2.5083	2.2144	1.2702	5.2677	5.5803	0.1563
4	18:25:54	1.1603	2.2298	2.2441	1.9268	1.5330	4.8547	5.6465	0.2307
5	18:26:31	1.1046	2.1402	2.1903	1.9233	1.2798	4.6218	5.6659	-1.2431
x		1.1710	2.2754	2.3409	2.0863	1.4083	5.1578	5.7783	-0.5646
%RSD		5.0609	5.2974	5.9044	7.1695	9.3587	7.9931	3.8070	129.0900

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:24:04	78.05%	1.0238	-2.8815	0.9591	1.0910	1.0992	77.72%	0.0000
2	18:24:41	81.57%	1.0350	-1.3235	0.9915	1.2646	1.3198	80.90%	0.0000
3	18:25:17	84.56%	1.0869	-1.3361	1.1105	1.2982	1.2755	83.76%	0.0000
4	18:25:54	85.76%	1.0781	-0.6362	1.1561	1.2983	1.1875	86.00%	0.0000
5	18:26:31	87.26%	1.1253	-0.4467	1.1053	1.0376	1.1171	87.16%	0.0000
x		83.44%	1.0698	-1.3248	1.0645	1.1979	1.1998	83.11%	0.0000
%RSD		4.39	3.8446	72.2880	7.9421	10.3670	8.0426	4.63	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:24:04	2.4361	10.6670	9.9159	77.76%	1.1170	1.0906	1.0750	1.1537
2	18:24:41	2.4337	10.1170	9.5004	80.78%	1.2178	1.2082	1.1790	1.2437
3	18:25:17	2.6649	10.3060	9.9796	84.79%	1.2077	1.1442	1.2795	1.2237
4	18:25:54	2.4294	9.7003	9.8142	87.27%	1.1670	1.1421	1.1430	1.2562
5	18:26:31	2.3506	9.9823	9.5931	89.08%	1.0818	1.0334	1.0522	1.1835
x		2.4629	10.1540	9.7606	83.94%	1.1583	1.1237	1.1458	1.2122
%RSD		4.8088	3.5600	2.1169	5.54	5.0394	5.8249	7.8959	3.5272

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:24:04	1.0795	79.49%	0.0000
2	18:24:41	1.1878	83.66%	0.0000
3	18:25:17	1.2327	87.50%	0.0000
4	18:25:54	1.1991	89.70%	0.0000
5	18:26:31	1.0732	91.50%	0.0000
x		1.1545	86.37%	0.0000
%RSD		6.3434	5.59	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:29:27	77.98%	0.3198	TM 101840.0000	TM 102590.0000	TM 103090.0000	TM 98718.0000	M 110610.0000	74.15%
2	18:30:04	79.42%	0.2756	TM 103950.0000	TM 105150.0000	TM 104620.0000	TM 98805.0000	M 110950.0000	78.26%
3	18:30:41	79.02%	0.2397	TM 107510.0000	TM 107690.0000	TM 107110.0000	TM 99728.0000	M 112460.0000	80.30%
4	18:31:17	80.38%	0.3335	TM 107870.0000	TM 107630.0000	TM 107390.0000	TM 98462.0000	M 113780.0000	81.69%
5	18:31:54	79.00%	0.3536	TM 109840.0000	TM 109740.0000	TM 109850.0000	TM 100290.0000	M 115750.0000	82.20%
x		79.16%	0.3044	TM 106200.0000	TM 106560.0000	TM 106410.0000	TM 99201.0000	M 112710.0000	79.32%
%RSD		1.09	15.1520	TM 3.0469	TM 2.5834	TM 2.4621	TM 0.7817	M 1.8808	4.12

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:29:27	311.2400	0.0395	20.6970	TM 75813.0000	7.8487	TM 103270.0000	M 111640.0000	1.4398
2	18:30:04	308.2300	0.4511	20.6750	TM 75930.0000	7.7427	TM 103810.0000	M 112060.0000	1.4268
3	18:30:41	307.3600	-0.1305	20.3230	TM 76937.0000	7.6666	TM 104410.0000	TM 110180.0000	1.4232
4	18:31:17	305.8900	0.3276	20.3000	TM 77012.0000	7.6888	TM 105050.0000	M 113540.0000	1.4671
5	18:31:54	307.5200	0.3665	20.5080	TM 77889.0000	7.8511	TM 105690.0000	TM 110720.0000	1.4658
x		308.0500	0.2109	20.5010	TM 76716.0000	7.7596	TM 104450.0000	TM 111630.0000	1.4445
%RSD		0.6417	116.5200	0.9163	TM 1.1187	1.1208	TM 0.9186	TM 1.1645	1.4477

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:29:27	8.0185	8.0184	9.2393	12.1490	-0.9847	2.3559	-5.4374	28.3890
2	18:30:04	7.8377	8.0492	8.9838	11.8980	-1.0423	1.8226	-5.6489	27.4030
3	18:30:41	7.6450	7.5689	8.9263	11.6300	-0.9894	2.5257	-5.5216	26.9520
4	18:31:17	7.3213	7.9079	9.0624	11.4520	-0.9790	2.4201	-5.3380	26.6010
5	18:31:54	7.3885	7.9453	8.8785	11.2850	-0.6229	3.0843	-4.6758	22.8690
x		7.6422	7.8979	9.0181	11.6830	-0.9237	2.4417	-5.3243	26.4430
%RSD		3.8552	2.4357	1.5681	2.9586	18.4070	18.4420	7.1386	7.9693

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:29:27	68.57%	0.0472	16.5460	0.0734	4.0541	1.5737	73.34%	0.0000
2	18:30:04	72.48%	0.0433	14.7660	0.0835	3.8863	1.4422	78.28%	0.0000
3	18:30:41	75.23%	0.0292	15.6280	0.0556	3.8711	1.2552	82.08%	0.0000
4	18:31:17	77.65%	0.0454	17.0050	0.0714	3.9741	1.4387	83.47%	0.0000
5	18:31:54	78.19%	0.0506	17.5680	0.0661	3.8628	1.5792	83.94%	0.0000
x		74.42%	0.0431	16.3030	0.0700	3.9297	1.4578	80.22%	0.0000
%RSD		5.34	19.1650	6.8387	14.5920	2.0996	9.0645	5.54	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:29:27	1.3456	1.4030	1.4857	69.58%	-0.0601	-0.0632	4.5016	4.5143
2	18:30:04	1.5149	1.4088	1.5123	75.61%	-0.0680	-0.0702	4.4523	4.5777
3	18:30:41	1.4849	1.4470	1.5551	78.95%	-0.0723	-0.0677	4.4141	4.5530
4	18:31:17	1.5212	1.4404	1.5708	80.01%	0.0548	0.0663	4.6395	4.4785
5	18:31:54	1.5145	1.6182	1.5492	81.76%	0.1333	0.1221	4.5938	4.5974
x		1.4762	1.4635	1.5346	77.18%	-0.0025	-0.0026	4.5203	4.5442
%RSD		5.0371	6.0535	2.2649	6.23	3732.4000	3547.8000	2.0948	1.0576

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:29:27	4.4219	67.67%	0.0000
2	18:30:04	4.4217	72.16%	0.0000
3	18:30:41	4.4657	75.22%	0.0000
4	18:31:17	4.4582	77.17%	0.0000
5	18:31:54	4.5059	78.06%	0.0000
x		4.4547	74.06%	0.0000
%RSD		0.7877	5.71	0.0000

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:34:50	81.78%	19.2210	TM 103700.0000	TM 105690.0000	TM 104600.0000	TM 100430.0000	M 111230.0000	81.14%
2	18:35:27	82.33%	19.1680	TM 106620.0000	TM 108110.0000	TM 108000.0000	TM 101200.0000	M 113820.0000	83.33%
3	18:36:03	82.02%	18.7440	TM 109520.0000	TM 109260.0000	TM 109170.0000	TM 100990.0000	M 114820.0000	85.40%
4	18:36:40	81.81%	19.0780	TM 112220.0000	TM 111460.0000	TM 110320.0000	TM 100900.0000	M 115640.0000	86.22%
5	18:37:17	81.58%	19.0290	TM 113520.0000	TM 112810.0000	TM 111350.0000	TM 100960.0000	M 117520.0000	87.28%
x		81.90%	19.0480	TM 109120.0000	TM 109470.0000	TM 108690.0000	TM 100900.0000	M 114610.0000	84.67%
%RSD		0.34	0.9750	TM 3.6869	TM 2.5560	TM 2.3975	TM 0.2819	M 2.0299	2.89

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:34:50	313.6700	21.7330	41.1920	TM 76263.0000	28.1850	TM 103940.0000	M 112510.0000	21.8550
2	18:35:27	308.1300	20.8740	40.9270	TM 77685.0000	28.1840	TM 106320.0000	TM 111570.0000	21.7780
3	18:36:03	309.2600	21.2450	40.7520	TM 77187.0000	28.2770	TM 105470.0000	M 114380.0000	21.5370
4	18:36:40	305.6000	20.6400	40.9080	TM 77799.0000	28.1940	TM 106550.0000	TM 111150.0000	21.2040
5	18:37:17	307.7900	20.8160	41.2230	TM 78793.0000	28.2440	TM 107240.0000	TM 112040.0000	21.4370
x		308.8900	21.0610	41.0000	TM 77545.0000	28.2170	TM 105910.0000	TM 112330.0000	21.5620
%RSD		0.9651	2.0659	0.4904	TM 1.1914	0.1478	TM 1.1967	TM 1.1160	1.2206

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:34:50	28.5640	27.3050	28.4600	29.7940	19.5850	22.9970	14.4180	25.1510
2	18:35:27	27.9550	26.7490	28.4960	30.4860	19.6510	22.2130	14.6860	26.5570
3	18:36:03	27.2690	26.4340	27.9800	29.7110	19.3100	22.5670	14.9790	23.2510
4	18:36:40	27.4390	26.3070	27.9390	30.1420	19.5360	22.3950	14.1950	22.1300
5	18:37:17	27.1830	26.5430	28.2390	29.9310	19.1940	21.5320	15.1450	21.2580
x		27.6820	26.6670	28.2230	30.0130	19.4550	22.3410	14.6850	23.6700
%RSD		2.0837	1.4675	0.9214	1.0350	0.9993	2.4050	2.6571	9.1826

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:34:50	74.19%	18.0510	17.6560	17.8340	23.2940	20.2990	78.78%	0.0000
2	18:35:27	77.54%	18.0390	15.9080	17.9570	23.2950	20.1000	83.06%	0.0000
3	18:36:03	80.98%	17.8920	17.7180	17.6830	22.5560	19.5550	86.18%	0.0000
4	18:36:40	82.56%	17.7740	16.7010	17.5770	22.2330	19.6790	88.98%	0.0000
5	18:37:17	84.46%	17.8130	17.9990	17.5110	22.1970	19.6840	90.37%	0.0000
x		79.94%	17.9140	17.1960	17.7120	22.7150	19.8630	85.47%	0.0000
%RSD		5.13	0.7101	5.0621	1.0344	2.4097	1.6058	5.47	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:34:50	21.0410	23.6060	23.8350	74.56%	21.3910	21.0770	25.5230	26.2680
2	18:35:27	21.2140	22.9110	23.6730	79.05%	21.4150	21.2210	25.4170	26.5700
3	18:36:03	21.0080	23.6220	23.4050	82.70%	21.6300	21.2850	25.3180	26.2120
4	18:36:40	21.3000	23.4500	22.8450	85.02%	21.9510	21.1670	25.1790	26.2920
5	18:37:17	21.3180	23.1360	22.9750	86.89%	21.3750	20.9140	24.9820	26.2860
x		21.1760	23.3450	23.3470	81.64%	21.5530	21.1330	25.2840	26.3260
%RSD		0.6821	1.3336	1.8412	6.03	1.1401	0.6823	0.8356	0.5322

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:34:50	25.5310	70.37%	0.0000
2	18:35:27	25.5390	74.80%	0.0000
3	18:36:03	25.4120	78.00%	0.6318
4	18:36:40	25.4890	80.07%	0.0000
5	18:37:17	25.2820	82.22%	0.0000
x		25.4510	77.09%	0.1263
%RSD		0.4204	6.03	223.6100

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:40:14	92.73%	260.9700	1024.8000	1026.9000	1022.5000	258.8400	998.8800	94.10%
2	18:40:50	92.13%	260.6200	1060.8000	1074.2000	1087.9000	270.4200	1025.3000	96.08%
3	18:41:27	92.54%	259.1000	1076.6000	1079.2000	1067.1000	267.1500	1031.8000	97.61%
4	18:42:03	92.39%	257.6500	1065.3000	1082.4000	1092.8000	264.0000	1040.8000	97.67%
5	18:42:40	92.64%	259.3500	1082.3000	1088.2000	1075.3000	264.0700	1040.3000	99.00%
x		92.48%	259.5400	1062.0000	1070.2000	1069.1000	264.9000	1027.4000	96.89%
%RSD		0.26	0.5103	2.1175	2.3095	2.6180	1.6219	1.6737	1.93

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:40:14	0.3059	247.2900	248.0100	783.8400	246.2700	994.9000	1014.5000	246.7900
2	18:40:50	0.2544	246.7500	247.6500	801.9600	245.6100	1020.0000	1021.0000	246.6700
3	18:41:27	0.2556	247.7400	246.0100	791.7200	245.2600	1018.1000	1020.5000	245.9200
4	18:42:03	0.1831	244.6100	247.2000	795.8200	246.4800	1014.2000	1033.1000	245.4700
5	18:42:40	0.2460	246.0000	247.1300	801.8300	246.7500	1022.3000	1034.1000	245.3100
x		0.2490	246.4800	247.2000	795.0300	246.0700	1013.9000	1024.6000	246.0300
%RSD		17.5750	0.4996	0.3059	0.9560	0.2515	1.0872	0.8382	0.2749

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:40:14	254.2600	249.8000	254.3300	254.1500	258.0100	256.2100	262.6600	0.1567
2	18:40:50	254.1600	250.8600	251.8600	254.4300	252.9200	255.4600	254.4900	0.0169
3	18:41:27	251.0700	247.8900	248.5500	250.1600	250.4600	254.0200	254.0400	-0.7562
4	18:42:03	249.6900	247.6700	250.2700	250.3900	249.3900	255.7100	250.5000	-0.4525
5	18:42:40	250.2000	249.2500	247.5600	252.7700	252.2900	257.4600	256.1000	-0.3639
x		251.8800	249.0900	250.5100	252.3800	252.6100	255.7700	255.5600	-0.2798
%RSD		0.8686	0.5361	1.0749	0.8012	1.3175	0.4873	1.7466	131.6100

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:40:14	90.98%	248.3100	-5.3338	248.8500	249.5900	248.1200	89.78%	0.0000
2	18:40:50	93.79%	248.1800	1.9756	247.2300	248.8600	249.2900	93.33%	0.0000
3	18:41:27	96.00%	244.9900	0.4455	245.7100	248.3700	248.3100	95.45%	0.0000
4	18:42:03	96.80%	247.6700	-0.0519	248.8200	252.5800	252.4400	95.60%	0.0000
5	18:42:40	97.73%	245.4900	-2.8068	247.0600	250.4400	249.7700	97.55%	0.0000
x		95.06%	246.9300	-1.1543	247.5400	249.9700	249.5900	94.34%	0.0000
%RSD		2.85	0.6364	251.7300	0.5365	0.6616	0.6958	3.13	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:40:14	246.2400	255.7400	253.3700	88.80%	247.4500	247.0500	248.1600	249.2600
2	18:40:50	247.5600	257.4100	254.4800	92.47%	248.2000	249.7700	247.2000	248.4800
3	18:41:27	247.5800	250.4200	249.7200	τ96.20%	245.9000	247.9600	246.7800	248.6000
4	18:42:03	251.5800	252.2200	252.9700	96.56%	247.3600	248.6200	249.1700	248.2600
5	18:42:40	249.0000	252.9700	250.9300	97.72%	247.7700	249.7600	247.7000	249.2100
x		248.3900	253.7500	252.3000	τ94.35%	247.3400	248.6300	247.8000	248.7600
%RSD		0.8180	1.1049	0.7639	τ3.89	0.3511	0.4715	0.3729	0.1798

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:40:14	246.9900	88.95%	0.0000
2	18:40:50	246.5100	92.93%	0.0000
3	18:41:27	246.2300	95.17%	0.0000
4	18:42:03	246.6300	96.70%	0.5095
5	18:42:40	248.0300	97.95%	0.0000
x		246.8800	94.34%	0.1019
%RSD		0.2831	3.76	223.6100

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:45:36	92.88%	0.0142	-1.1805	-1.2960	-1.3341	-1.3890	2.5364	94.45%
2	18:46:13	94.05%	0.0426	6.3551	5.2546	5.5101	4.5152	10.2640	96.90%
3	18:46:50	94.85%	0.0232	6.3611	6.2748	7.0218	5.2847	9.1924	99.31%
4	18:47:26	95.79%	0.0327	2.7036	2.3316	3.6875	1.8912	4.1793	101.13%
5	18:48:03	94.22%	0.0252	0.9365	0.8672	1.1683	0.4359	3.6835	101.42%
x		94.36%	0.0276	3.0351	2.6865	3.2107	2.1476	5.9712	98.64%
%RSD		1.14	38.8180	109.7300	115.8800	104.3100	129.5200	58.6450	3.00

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:45:36	0.2878	0.0085	0.0238	-0.3239	0.0118	0.8563	6.7714	0.0006
2	18:46:13	0.2749	0.0554	0.0425	3.0583	0.0226	6.4823	11.0650	0.0316
3	18:46:50	0.2420	0.0303	0.0326	1.7154	0.0474	6.7421	10.1890	0.0150
4	18:47:26	0.1855	0.0050	0.0058	-0.3051	0.0114	3.2236	6.6865	0.0061
5	18:48:03	0.1719	-0.0004	0.0520	2.3247	-0.0025	1.6898	0.0112	0.0077
x		0.2324	0.0198	0.0313	1.2939	0.0182	3.7988	6.9445	0.0122
%RSD		22.3900	116.7900	56.6730	119.2800	102.6400	71.2460	62.6300	98.3390

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:45:36	-0.0283	0.3545	0.0959	-0.1405	0.1699	2.5543	0.6553	-2.0663
2	18:46:13	0.0208	0.3453	0.1365	-0.1362	0.2287	2.1360	0.6986	-2.0995
3	18:46:50	-0.0069	0.3041	0.1186	-0.1308	0.0998	2.1347	0.3391	-1.1867
4	18:47:26	-0.0245	0.2497	0.0922	-0.0778	-0.0122	2.0137	-0.0453	-0.7784
5	18:48:03	-0.0163	0.2374	0.0697	-0.2072	0.0648	1.5720	0.2328	-0.6516
x		-0.0110	0.2982	0.1026	-0.1385	0.1102	2.0821	0.3761	-1.3565
%RSD		177.7800	17.9700	25.0680	33.2350	84.5990	16.8700	82.1040	51.0160

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:45:36	89.66%	0.0188	-2.3437	0.0102	-0.0022	-0.0009	87.29%	0.0000
2	18:46:13	93.45%	0.0249	-1.1496	0.0244	0.0293	0.0278	91.97%	0.0000
3	18:46:50	96.65%	0.0186	-1.8105	0.0168	0.0326	0.0485	94.51%	0.0000
4	18:47:26	97.98%	0.0247	-1.2410	0.0155	0.0156	0.0143	97.12%	0.0000
5	18:48:03	99.88%	0.0094	-0.6655	0.0148	0.0152	0.0082	98.74%	0.0000
x		95.53%	0.0193	-1.4420	0.0163	0.0181	0.0196	93.93%	0.0000
%RSD		4.22	32.6870	44.9110	31.6720	76.3600	98.2280	4.80	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:45:36	0.5841	0.0143	0.0121	85.75%	-0.0137	-0.0042	0.0052	-0.0085
2	18:46:13	0.6234	0.0130	0.0457	τ91.67%	0.0301	0.0327	0.0231	0.0377
3	18:46:50	0.6180	0.0526	0.0709	93.42%	0.0142	0.0127	0.0359	0.0212
4	18:47:26	0.5342	0.0119	0.0135	τ97.52%	-0.0117	-0.0002	0.0130	0.0249
5	18:48:03	0.4367	0.0115	0.0238	τ99.41%	-0.0098	-0.0177	0.0018	0.0121
x		0.5593	0.0206	0.0332	τ93.55%	0.0018	0.0047	0.0158	0.0175
%RSD		13.7980	86.5800	75.1960	τ5.72	1058.0000	408.2300	87.9000	98.3510

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:45:36	0.0009	85.20%	0.0000
2	18:46:13	0.0301	90.09%	0.0000
3	18:46:50	0.0310	93.88%	0.0000
4	18:47:26	0.0138	96.39%	0.0000
5	18:48:03	0.0060	98.13%	0.0000
x		0.0164	92.73%	0.0000
%RSD		84.1530	5.59	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:51:00	92.15%	0.0129	1.5388	1.2485	1.6285	3.2774	14.8580	90.42%
2	18:51:37	91.69%	0.0395	10.5820	10.4120	9.4888	10.3770	27.8370	92.16%
3	18:52:14	91.24%	0.0451	9.4143	9.5538	8.7614	10.0090	28.6440	93.08%
4	18:52:51	92.03%	0.0199	5.4586	5.7573	6.1750	6.2683	22.1850	93.12%
5	18:53:27	91.35%	0.0150	2.5238	2.2918	4.0695	4.3945	18.8370	93.06%
x		91.69%	0.0265	5.9035	5.8527	6.0246	6.8651	22.4720	92.36%
%RSD		0.43	55.8690	68.2230	70.6410	54.2080	46.9440	26.1500	1.26

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:51:00	0.3131	-0.2683	0.2733	-0.1542	0.0196	2.6072	10.7200	0.0026
2	18:51:37	0.2967	-0.0236	0.2938	7.2877	0.0645	7.1656	14.4930	0.0506
3	18:52:14	0.2153	-0.1133	0.2220	6.2809	0.0398	6.0676	8.8007	0.0419
4	18:52:51	0.2048	0.1360	0.2307	2.4339	0.0397	1.6557	7.9121	0.0229
5	18:53:27	0.1722	-0.0137	0.2357	3.8393	0.0309	-0.0588	1.7976	0.0065
x		0.2404	-0.0566	0.2511	3.9375	0.0389	3.4875	8.7446	0.0249
%RSD		25.4810	262.2200	12.3030	75.9010	42.4910	87.0810	52.9940	84.9570

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:51:00	0.0107	0.1560	0.1037	1.2617	0.0459	0.8890	0.5599	-1.4243
2	18:51:37	0.0586	0.2223	0.1837	1.2076	0.1416	0.7788	0.2237	-0.8031
3	18:52:14	0.0450	0.1769	0.1498	1.3338	0.0673	-0.3654	0.4461	-0.7972
4	18:52:51	-0.0039	0.1605	0.1189	1.2470	0.1701	-0.0306	0.4290	-1.1711
5	18:53:27	0.0022	0.2094	0.1061	1.1261	0.0918	-0.0149	0.2701	-1.1075
x		0.0225	0.1850	0.1324	1.2352	0.1033	0.2514	0.3858	-1.0606
%RSD		122.6700	15.9770	25.7000	6.1706	49.9280	219.3200	35.6080	25.0510

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:51:00	85.75%	0.0141	-2.1492	0.0213	0.0143	0.0160	84.24%	0.0000
2	18:51:37	88.66%	0.0310	-0.9450	0.0196	0.0357	0.0599	87.67%	0.0000
3	18:52:14	90.26%	0.0147	-0.3181	0.0252	0.0433	0.0390	90.01%	0.0000
4	18:52:51	90.80%	0.0186	0.1487	0.0139	0.0256	0.0201	90.78%	0.0000
5	18:53:27	91.01%	0.0102	0.3580	0.0113	0.0128	0.0074	90.54%	0.0000
x		89.30%	0.0178	-0.5811	0.0182	0.0264	0.0285	88.65%	0.0000
%RSD		2.45	45.1090	173.6900	30.8030	50.4060	73.8430	3.11	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:51:00	0.2077	0.0448	0.0128	83.51%	-0.0715	-0.0679	0.0010	0.0025
2	18:51:37	0.3170	0.0642	0.0605	87.39%	-0.0234	-0.0195	0.0519	0.0581
3	18:52:14	0.3198	0.0274	0.0468	89.93%	-0.0376	-0.0329	0.0394	0.0470
4	18:52:51	0.2533	0.0063	0.0228	91.09%	-0.0566	-0.0626	0.0329	0.0361
5	18:53:27	0.2449	0.0335	0.0649	τ93.33%	-0.0828	-0.0771	0.0030	0.0096
x		0.2685	0.0352	0.0416	τ89.05%	-0.0544	-0.0520	0.0256	0.0307
%RSD		18.1280	60.6810	55.2690	τ4.23	44.5780	47.2690	88.3280	77.9340

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:51:00	0.0033	84.08%	0.0000
2	18:51:37	0.0558	88.27%	0.0000
3	18:52:14	0.0452	90.82%	0.0000
4	18:52:51	0.0298	92.16%	0.0000
5	18:53:27	0.0100	92.62%	0.0000
x		0.0288	89.59%	0.0000
%RSD		77.7250	3.92	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:56:24	88.94%	100.4000	1225.4000	1232.9000	1236.2000	513.5200	2049.4000	86.11%
2	18:57:01	88.83%	99.7960	1271.6000	1259.5000	1284.2000	523.7100	2047.2000	87.60%
3	18:57:37	88.70%	98.6860	1299.9000	1302.5000	1292.1000	521.6400	2060.7000	87.57%
4	18:58:14	88.62%	98.7400	1301.5000	1294.5000	1297.4000	522.6300	2058.5000	87.88%
5	18:58:51	89.44%	98.3140	1297.6000	1304.9000	1305.1000	512.8600	2162.8000	87.76%
x		88.90%	99.1870	1279.2000	1278.9000	1283.0000	518.8700	2075.7000	87.38%
%RSD		0.36	0.8806	2.5376	2.4635	2.1222	1.0109	2.3611	0.83

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:56:24	0.2992	96.3770	96.3070	745.9100	95.8280	1012.3000	1033.5000	97.4940
2	18:57:01	0.2887	95.7380	95.9670	753.6400	96.0370	1021.9000	1035.6000	96.9740
3	18:57:37	0.2592	96.3080	96.7020	759.7000	96.0070	1030.7000	1044.9000	96.3590
4	18:58:14	0.2032	97.5200	97.0850	752.7000	96.5320	1031.2000	1020.0000	97.5560
5	18:58:51	0.2144	97.6540	96.7180	774.0000	96.3270	1039.6000	1038.7000	95.9280
x		0.2529	96.7190	96.5560	757.1900	96.1460	1027.1000	1034.5000	96.8620
%RSD		17.0190	0.8595	0.4443	1.3993	0.2915	1.0101	0.8878	0.7333

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:56:24	102.2400	100.6600	101.2600	205.0000	200.1200	207.1300	209.7100	-0.1600
2	18:57:01	100.6000	98.9390	99.7650	204.1200	196.1900	204.8900	206.9600	-0.7651
3	18:57:37	97.9260	98.3780	100.4300	204.4500	195.3100	200.5500	204.8700	0.0553
4	18:58:14	99.4060	98.1620	99.0630	203.6300	196.5800	204.7300	204.4000	-1.7548
5	18:58:51	97.6680	97.1430	97.8470	203.8000	195.1100	199.6200	203.1300	-0.6036
x		99.5690	98.6550	99.6730	204.2000	196.6600	203.3800	205.8100	-0.6456
%RSD		1.9158	1.3109	1.3092	0.2678	1.0302	1.5616	1.2521	108.7900

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:56:24	81.59%	97.1140	0.7182	97.5880	97.9140	96.9720	81.48%	0.0000
2	18:57:01	84.59%	96.7010	-0.4520	96.8250	99.3290	98.0510	84.64%	0.0000
3	18:57:37	86.42%	96.2710	-0.2828	95.5210	98.7220	97.3020	87.29%	0.0000
4	18:58:14	87.22%	96.1030	1.1012	96.2600	98.8670	98.3500	87.35%	0.0000
5	18:58:51	87.95%	95.7500	0.6329	96.3490	99.4920	98.7140	87.85%	0.0000
x		85.55%	96.3880	0.3435	96.5090	98.8650	97.8780	85.72%	0.0000
%RSD		2.97	0.5507	196.5700	0.7906	0.6262	0.7413	3.13	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:56:24	197.3000	99.0790	98.5080	81.56%	201.5200	201.2900	193.7100	203.2500
2	18:57:01	198.1900	99.0770	99.4470	85.79%	203.6400	202.8500	194.0400	205.7300
3	18:57:37	198.9400	96.4860	97.7900	88.45%	203.1500	202.9300	193.6700	204.9600
4	18:58:14	201.0100	98.0600	97.1230	89.80%	203.2500	202.2500	192.8500	204.0700
5	18:58:51	199.9800	98.2100	97.8480	90.88%	203.8600	203.7000	194.3900	204.5000
x		199.0800	98.1820	98.1430	87.30%	203.0900	202.6000	193.7300	204.5000
%RSD		0.7335	1.0802	0.8949	4.27	0.4527	0.4434	0.2950	0.4547

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:56:24	197.5000	82.64%	0.0000
2	18:57:01	198.3500	86.94%	0.0000
3	18:57:37	198.0900	89.64%	0.5497
4	18:58:14	197.4400	91.34%	0.0000
5	18:58:51	197.9700	91.88%	0.0000
x		197.8700	88.49%	0.1099
%RSD		0.1966	4.29	223.6100

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:01:49	89.51%	0.0290	TM 34597.0000	TM 35227.0000	TM 35090.0000	22.0930	TM 156650.0000	86.39%
2	19:02:25	89.16%	0.0436	TM 35838.0000	TM 36114.0000	TM 36205.0000	26.4610	TM 159160.0000	88.42%
3	19:03:02	90.32%	0.0532	TM 36233.0000	TM 36016.0000	TM 35969.0000	28.3610	TM 159460.0000	91.09%
4	19:03:39	91.23%	0.0293	TM 36710.0000	TM 36532.0000	TM 35978.0000	27.1960	TM 161690.0000	91.43%
5	19:04:16	92.03%	0.0357	TM 36817.0000	TM 36863.0000	TM 36694.0000	26.6000	TM 161940.0000	93.62%
x		90.45%	0.0381	TM 36039.0000	TM 36151.0000	TM 35987.0000	26.1420	TM 159780.0000	90.19%
%RSD		1.32	27.0180	TM 2.4869	TM 1.7082	TM 1.6152	9.1211	TM 1.3491	3.12

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:01:49	0.7718	0.8200	0.3783	84.5230	153.8100	132.7300	1434.6000	0.7236
2	19:02:25	0.6722	0.6940	0.4115	88.0180	157.3600	136.3400	1333.2000	0.7001
3	19:03:02	0.6730	0.7289	0.4044	91.8380	155.4800	135.8000	1315.2000	0.6906
4	19:03:39	0.6977	0.6911	0.4010	88.9610	155.5300	137.5700	1279.6000	0.6796
5	19:04:16	0.6695	0.7825	0.3757	90.1990	154.5200	135.8200	1278.6000	0.6933
x		0.6968	0.7433	0.3942	88.7080	155.3400	135.6500	1328.2000	0.6975
%RSD		6.2338	7.6054	4.0994	3.0909	0.8622	1.3159	4.8103	2.3525

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:01:49	5.1963	6.8142	7.0956	790.8600	7.7923	1.2834	0.8222	1.1463
2	19:02:25	5.2141	6.7831	6.7028	801.9200	7.9378	1.3500	1.3813	-0.3887
3	19:03:02	4.9066	6.6197	6.7155	788.2800	7.7498	1.0588	0.8672	1.9858
4	19:03:39	4.9248	6.7589	6.7413	796.7600	7.7825	1.4685	0.7254	1.9373
5	19:04:16	4.6425	6.8032	6.7114	784.3500	7.6516	0.7353	0.9698	1.6746
x		4.9768	6.7558	6.7933	792.4400	7.7828	1.1792	0.9532	1.2711
%RSD		4.7541	1.1691	2.4965	0.8784	1.3232	24.5530	26.7460	77.5650

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:01:49	81.97%	0.1567	-1.2337	0.1598	4.4022	4.3714	78.22%	0.0000
2	19:02:25	84.53%	0.1923	0.8460	0.1883	4.4648	4.4534	82.55%	0.0000
3	19:03:02	87.06%	0.2060	1.3833	0.2042	4.5050	4.4258	84.45%	0.0000
4	19:03:39	88.85%	0.1777	-0.0056	0.1843	4.2106	4.4757	86.56%	0.0000
5	19:04:16	90.43%	0.1689	1.4465	0.1879	4.2700	4.3009	87.83%	0.0000
x		86.57%	0.1803	0.4873	0.1849	4.3705	4.4054	83.92%	0.0000
%RSD		3.90	10.7330	230.7200	8.6625	2.8863	1.5945	4.49	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:01:49	8.5163	59.9710	59.0460	82.12%	0.6369	0.6252	41.1310	45.4370
2	19:02:25	8.5891	60.2860	59.8050	86.70%	0.6409	0.6232	41.3880	45.3480
3	19:03:02	8.6848	61.3190	59.3830	89.39%	0.5977	0.6381	41.3120	45.8450
4	19:03:39	8.6046	58.5830	60.1080	91.41%	0.5759	0.5659	40.9930	44.6210
5	19:04:16	8.7055	59.3660	59.0730	T 94.59%	0.5696	0.5538	41.5500	45.2140
x		8.6201	59.9050	59.4830	T 88.84%	0.6042	0.6012	41.2750	45.2930
%RSD		0.8885	1.7084	0.7810	T 5.33	5.5210	6.3984	0.5284	0.9792

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:01:49	43.2180	74.09%	0.0000
2	19:02:25	43.3830	77.85%	0.0000
3	19:03:02	43.5310	80.24%	0.0000
4	19:03:39	43.2610	82.16%	0.0000
5	19:04:16	43.4880	83.60%	0.0000
x		43.3760	79.59%	0.0000
%RSD		0.3157	4.71	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:07:14	88.40%	47.9920	TM 35255.0000	TM 35420.0000	TM 35390.0000	493.3800	TM 157430.0000	86.88%
2	19:07:51	88.40%	48.3040	TM 36102.0000	TM 36188.0000	TM 35921.0000	497.1000	TM 160190.0000	89.10%
3	19:08:27	87.83%	47.8550	TM 36978.0000	TM 36896.0000	TM 36842.0000	492.5000	TM 163550.0000	89.85%
4	19:09:04	88.40%	46.9350	TM 37703.0000	TM 37372.0000	TM 36986.0000	498.0800	TM 163740.0000	91.05%
5	19:09:41	88.00%	47.6280	TM 37256.0000	TM 37118.0000	TM 36821.0000	488.5000	TM 163740.0000	91.82%
x		88.20%	47.7430	TM 36659.0000	TM 36599.0000	TM 36392.0000	493.9100	TM 161730.0000	89.74%
%RSD		0.31	1.0759	TM 2.6689	TM 2.1659	TM 1.9266	0.7783	TM 1.7571	2.13

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:07:14	0.8063	494.9600	184.4500	479.4400	635.1400	600.6200	2045.5000	469.1800
2	19:07:51	0.7425	492.8400	183.9500	479.4800	638.9200	598.8400	1886.5000	470.8300
3	19:08:27	0.6828	496.4800	184.1200	478.9300	641.3100	608.7600	1849.8000	470.2300
4	19:09:04	0.6974	494.8400	184.2000	478.2900	T 632.9100	611.7300	1756.0000	469.1900
5	19:09:41	0.6153	492.4300	182.2000	480.9000	T 632.4500	609.5000	1711.3000	466.4800
x		0.7089	494.3100	183.7800	479.4100	T 636.1500	605.8900	1849.8000	469.1800
%RSD		10.0200	0.3376	0.4907	0.2008	T 0.6059	0.9511	7.0287	0.3553

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:07:14	456.3100	224.6100	227.3300	1249.2000	47.7740	11.0030	11.5390	1.0033
2	19:07:51	456.9300	223.4500	226.8700	1244.2000	47.1790	10.4720	10.9670	2.2658
3	19:08:27	455.5800	225.1400	225.0400	1242.5000	47.0330	10.4900	9.7707	2.3476
4	19:09:04	455.5000	223.4200	225.8200	1250.4000	46.5310	10.6300	10.1880	2.0306
5	19:09:41	442.6400	220.0800	223.5000	1236.2000	45.8530	9.9368	10.4870	1.6132
x		453.3900	223.3400	225.7100	1244.5000	46.8740	10.5060	10.5900	1.8521
%RSD		1.3323	0.8821	0.6761	0.4575	1.5412	3.6490	6.4854	29.8910

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:07:14	81.68%	44.4420	-0.6556	44.6990	51.3790	50.6110	78.73%	0.0000
2	19:07:51	84.38%	44.2670	1.5745	44.1390	51.0300	50.7340	82.07%	0.0000
3	19:08:27	87.32%	43.8890	-0.9130	44.3820	51.2700	50.6020	84.50%	0.0000
4	19:09:04	88.59%	44.1140	-0.3314	44.0880	50.8840	50.5210	86.26%	0.0000
5	19:09:41	90.54%	43.6670	1.5322	43.7360	50.5760	50.3900	87.18%	0.0000
x		86.50%	44.0760	0.2414	44.2090	51.0280	50.5710	83.75%	0.0000
%RSD		4.05	0.6943	503.5700	0.8106	0.6247	0.2510	4.08	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:07:14	106.5600	2081.9000	2093.0000	81.65%	50.9620	50.0750	62.4820	64.6410
2	19:07:51	106.4100	2073.5000	2077.0000	86.08%	51.1900	50.3220	62.0180	64.4980
3	19:08:27	105.9900	2060.9000	2084.2000	89.42%	51.1130	50.6680	62.7000	64.9970
4	19:09:04	106.8400	2063.4000	2076.5000	91.18%	51.0240	50.1940	62.0750	64.5100
5	19:09:41	106.5200	2054.5000	2088.1000	92.57%	50.7580	50.1880	61.9230	65.2660
x		106.4600	2066.8000	2083.8000	88.18%	51.0100	50.2890	62.2390	64.7830
%RSD		0.2895	0.5236	0.3419	4.97	0.3237	0.4554	0.5369	0.5206

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:07:14	63.1330	73.46%	0.0000
2	19:07:51	63.2740	76.92%	0.0000
3	19:08:27	63.2730	79.86%	0.0000
4	19:09:04	62.9120	82.01%	0.0000
5	19:09:41	63.2580	83.05%	0.0000
x		63.1700	79.06%	0.0000
%RSD		0.2463	4.95	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:12:39	98.07%	0.0200	T 7144.9000	7270.5000	7358.8000	5.0361	M 29881.0000	93.73%
2	19:13:15	99.57%	0.0419	T 7297.5000	7405.9000	7452.8000	6.6710	M 30285.0000	95.63%
3	19:13:52	99.57%	0.0516	T 7378.6000	7414.9000	7445.4000	7.1172	M 30383.0000	97.75%
4	19:14:28	99.76%	0.0400	T 7446.4000	7470.4000	7505.5000	5.8731	M 30459.0000	98.02%
5	19:15:05	99.61%	0.0206	T 7487.7000	7505.8000	7548.4000	4.6196	M 30485.0000	98.30%
x		99.32%	0.0348	T 7351.0000	7413.5000	7462.2000	5.8634	M 30298.0000	96.68%
%RSD		0.70	40.0960	T 1.8487	1.2116	0.9561	18.0010	M 0.8121	2.03

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:12:39	0.4331	0.2158	0.2058	17.2010	31.2100	36.0090	329.0700	0.2661
2	19:13:15	0.4089	0.1782	0.1796	17.9370	31.0790	37.8730	294.4700	0.3314
3	19:13:52	0.3491	0.4256	0.2365	18.7110	31.1900	36.9450	260.3900	0.3209
4	19:14:28	0.2839	0.2431	0.1815	17.7360	31.3160	35.4730	255.2900	0.2793
5	19:15:05	0.2762	0.1656	0.1719	17.9680	31.4330	34.3320	243.6200	0.1916
x		0.3503	0.2457	0.1951	17.9110	31.2450	36.1260	276.5700	0.2778
%RSD		20.2780	42.8130	13.5400	3.0298	0.4300	3.7604	12.6250	19.9510

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:12:39	1.1902	1.6822	1.5921	172.2600	1.4296	0.8961	0.1583	1.3162
2	19:13:15	1.2362	1.7261	1.6976	172.8700	1.7159	0.8266	0.4253	-0.4521
3	19:13:52	1.2234	1.6225	1.6697	172.4800	1.6355	0.5588	0.3588	-0.1987
4	19:14:28	1.1642	1.5400	1.5166	172.6500	1.6719	0.9140	0.4028	-1.0533
5	19:15:05	1.0966	1.5349	1.5869	172.7300	1.5511	0.6755	0.2049	0.0470
x		1.1821	1.6212	1.6126	172.6000	1.6008	0.7742	0.3100	-0.0682
%RSD		4.6967	5.2312	4.4685	0.1376	7.0737	19.7270	38.9520	1283.7000

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:12:39	88.03%	0.0526	-0.6338	0.0517	0.9488	0.9062	86.42%	0.0000
2	19:13:15	91.87%	0.0871	-0.4121	0.0805	0.9868	0.9050	90.68%	0.0000
3	19:13:52	93.80%	0.0910	0.0398	0.0985	1.0219	0.9196	92.51%	0.0000
4	19:14:28	94.80%	0.0723	-0.1418	0.0614	0.9950	0.9698	93.88%	0.0000
5	19:15:05	95.89%	0.0415	1.1541	0.0428	0.8418	0.8945	95.20%	0.0000
x		92.88%	0.0689	0.0012	0.0670	0.9589	0.9190	91.74%	0.0000
%RSD		3.32	31.2050	56249.0000	33.5720	7.3483	3.2376	3.72	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:12:39	1.8288	12.4890	12.4590	86.22%	0.1290	0.1066	7.9324	8.7405
2	19:13:15	1.8793	12.7970	12.5310	91.10%	0.1134	0.1151	7.6880	8.7288
3	19:13:52	1.7913	12.7880	12.7450	93.91%	0.0813	0.1007	7.9652	8.5928
4	19:14:28	1.8255	12.1930	12.4580	T 96.88%	0.0754	0.0846	7.9621	8.6581
5	19:15:05	1.8725	11.8900	11.7590	96.52%	0.0533	0.0559	7.8284	8.6800
x		1.8395	12.4310	12.3900	T 92.93%	0.0905	0.0926	7.8752	8.6800
%RSD		1.9801	3.1525	3.0004	T 4.75	33.6480	25.2200	1.5046	0.6846

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:12:39	8.3151	83.39%	0.0000
2	19:13:15	8.2227	88.50%	0.0000
3	19:13:52	8.2703	91.44%	0.0000
4	19:14:28	8.3580	92.74%	0.0000
5	19:15:05	8.2298	93.89%	0.0000
x		8.2792	89.99%	0.0000
%RSD		0.6944	4.67	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:18:05	94.96%	0.0013	T 15097.0000	15615.0000	15701.0000	44.3850	M 58987.0000	92.89%
2	19:18:42	94.28%	0.0152	T 15683.0000	16025.0000	16142.0000	45.9920	M 60124.0000	94.38%
3	19:19:18	93.78%	0.0119	T 15864.0000	16225.0000	16395.0000	45.9970	M 60743.0000	95.54%
4	19:19:55	93.84%	0.0171	T 15989.0000	T 16060.0000	T 15898.0000	45.5840	M 61367.0000	95.74%
5	19:20:32	94.67%	-0.0004	T 16056.0000	16326.0000	16245.0000	44.6170	M 61078.0000	96.27%
x		94.31%	0.0090	T 15738.0000	T 16050.0000	T 16076.0000	45.3150	M 60460.0000	94.96%
%RSD		0.54	89.7810	T 2.4499	T 1.6968	T 1.7250	1.6907	M 1.5622	1.42

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:18:05	1.1567	6.2221	0.7231	172.7400	44.3710	250.1100	804.2800	0.3094
2	19:18:42	0.9808	5.7147	0.6601	178.5200	44.6390	255.7500	729.5200	0.3399
3	19:19:18	1.0318	6.1645	0.5968	178.7200	44.8260	257.0100	719.7300	0.3324
4	19:19:55	0.9483	6.2441	0.6632	179.7900	44.8090	257.2700	686.7300	0.2995
5	19:20:32	0.8755	6.0714	0.6133	181.2300	44.8950	254.4500	679.3000	0.2840
x		0.9986	6.0834	0.6513	178.2000	44.7080	254.9200	723.9100	0.3130
%RSD		10.5140	3.5613	7.5960	1.8168	0.4715	1.1427	6.8655	7.3905

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:18:05	1.7275	3.3880	3.5731	73.6530	16.7590	0.6348	0.6264	-1.1264
2	19:18:42	1.8016	3.3366	3.3504	73.8110	17.0260	0.7236	0.7702	-0.1142
3	19:19:18	1.5304	3.2772	3.4639	75.3380	16.7450	0.6170	0.5245	0.6107
4	19:19:55	1.6239	3.2430	3.6254	74.1520	16.4500	0.0745	0.6455	-0.2302
5	19:20:32	1.5196	3.3297	3.3848	74.2850	16.5900	-0.1533	0.5920	0.3900
x		1.6406	3.3149	3.4795	74.2480	16.7140	0.3793	0.6317	-0.0940
%RSD		7.4982	1.6949	3.3988	0.8894	1.2881	103.5300	14.2640	716.7000

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:18:05	85.42%	0.1639	-0.3789	0.1595	0.2877	0.2988	84.32%	0.0000
2	19:18:42	89.09%	0.1779	0.0151	0.1780	0.2665	0.3045	87.95%	0.0000
3	19:19:18	90.16%	0.1782	0.7455	0.1789	0.2928	0.3030	90.22%	0.0000
4	19:19:55	91.55%	0.1747	1.3303	0.2099	0.3027	0.2901	91.89%	0.0000
5	19:20:32	93.11%	0.1832	1.5467	0.1779	0.3427	0.3204	92.98%	0.0000
x		89.87%	0.1756	0.6518	0.1808	0.2985	0.3033	89.47%	0.0000
%RSD		3.23	4.1097	126.9300	10.0340	9.3969	3.6404	3.86	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:18:05	6.3655	125.9600	127.9800	84.78%	0.0372	0.0414	43.9480	48.2110
2	19:18:42	6.6907	126.9800	126.2000	89.10%	0.0801	0.0517	44.1690	48.6800
3	19:19:18	6.6240	127.9900	127.1800	92.08%	0.0606	0.0596	44.0000	48.3690
4	19:19:55	6.6037	127.3900	126.0200	93.66%	0.0403	0.0510	43.9360	48.0600
5	19:20:32	6.5848	125.4400	125.2900	T 96.89%	0.0376	0.0324	44.1350	48.3270
x		6.5738	126.7500	126.5300	T 91.30%	0.0512	0.0472	44.0380	48.3290
%RSD		1.8724	0.8191	0.8315	T 5.04	36.9020	22.1940	0.2452	0.4753

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:18:05	46.0890	81.84%	0.0000
2	19:18:42	46.4600	86.01%	0.0000
3	19:19:18	46.3390	89.11%	0.0000
4	19:19:55	46.2290	90.78%	0.0000
5	19:20:32	46.1160	92.13%	0.0000
x		46.2470	87.98%	0.0000
%RSD		0.3355	4.69	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:23:31	93.10%	-0.0118	TM 35622.0000	TM 35854.0000	TM 35796.0000	24.4950	TM 160730.0000	86.46%
2	19:24:08	92.33%	-0.0011	TM 36663.0000	TM 36451.0000	TM 36144.0000	24.6590	TM 162520.0000	88.47%
3	19:24:44	93.35%	0.0072	TM 37296.0000	TM 36809.0000	TM 36238.0000	25.9210	TM 165170.0000	89.42%
4	19:25:21	92.23%	-0.0047	TM 37889.0000	TM 36760.0000	TM 36880.0000	24.6890	TM 164390.0000	90.76%
5	19:25:57	93.04%	-0.0223	TM 37800.0000	TM 37018.0000	TM 36400.0000	23.7770	TM 166210.0000	91.11%
x		92.81%	-0.0066	TM 37054.0000	TM 36579.0000	TM 36292.0000	24.7080	TM 163800.0000	89.24%
%RSD		0.53	170.3300	TM 2.5303	TM 1.2382	TM 1.0920	3.1268	TM 1.3334	2.11

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:23:31	0.8332	0.3819	0.3414	79.9260	147.4900	135.5700	1464.2000	0.7051
2	19:24:08	0.6842	0.6142	0.4293	82.9380	145.8400	133.1700	1428.3000	0.6665
3	19:24:44	0.6883	0.3355	0.3989	84.1750	148.8500	133.6500	1239.3000	0.6787
4	19:25:21	0.6485	0.5644	0.4461	88.4570	148.8000	133.1600	1240.6000	0.6686
5	19:25:57	0.6403	0.3380	0.3274	82.5900	149.3400	132.8900	1187.2000	0.6371
x		0.6989	0.4468	0.3886	83.6170	148.0600	133.6900	1311.9000	0.6712
%RSD		11.1610	29.6700	13.5180	3.7282	0.9582	0.8122	9.5392	3.6436

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:23:31	5.4632	6.4130	7.2135	732.3300	7.3807	1.0763	0.9020	0.9115
2	19:24:08	5.3158	6.2722	6.8135	722.5600	7.3087	1.0565	0.7995	1.8450
3	19:24:44	5.0804	6.3551	6.5723	726.8200	7.7282	0.7706	1.1355	0.4608
4	19:25:21	4.8044	6.3478	6.8784	723.6000	7.3494	0.6927	1.1328	1.1553
5	19:25:57	4.7546	6.5602	6.7909	721.7700	7.3700	0.4565	0.7714	0.8982
x		5.0837	6.3897	6.8537	725.4200	7.4274	0.8105	0.9482	1.0542
%RSD		6.0965	1.6851	3.3810	0.5952	2.2940	32.1700	18.6170	48.1920

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:23:31	80.66%	0.1090	-0.6423	0.1389	4.0941	4.1537	78.12%	0.0000
2	19:24:08	85.09%	0.1651	0.2760	0.1502	4.3953	4.2800	82.01%	0.0000
3	19:24:44	86.93%	0.1564	0.9932	0.1572	4.1716	4.3143	84.99%	0.0000
4	19:25:21	88.74%	0.1414	0.5686	0.1464	4.3515	4.2420	86.67%	0.0000
5	19:25:57	89.42%	0.1385	1.8559	0.0966	4.0759	4.1115	87.58%	0.0000
x		86.17%	0.1421	0.6102	0.1379	4.2177	4.2203	83.87%	0.0000
%RSD		4.07	15.1200	150.6500	17.4210	3.4954	2.0225	4.60	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:23:31	8.2599	58.1410	58.1550	81.63%	0.4247	0.4092	41.9520	46.3120
2	19:24:08	8.6597	58.0610	58.8700	85.93%	0.4251	0.4276	42.5470	46.5040
3	19:24:44	8.5013	57.9290	58.4300	90.67%	0.4565	0.4317	42.1390	46.0780
4	19:25:21	8.5754	57.9610	58.4080	92.88%	0.4393	0.4426	42.5250	46.1060
5	19:25:57	8.8067	59.4020	57.5930	93.60%	0.4110	0.4305	42.6040	47.1770
x		8.5606	58.2990	58.2910	88.94%	0.4313	0.4283	42.3530	46.4350
%RSD		2.3691	1.0675	0.8020	5.70	4.0116	2.8251	0.6854	0.9666

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:23:31	44.0400	73.40%	0.0000
2	19:24:08	44.3160	77.74%	0.0000
3	19:24:44	44.0980	81.50%	0.0000
4	19:25:21	44.6590	83.07%	0.0000
5	19:25:57	44.8000	84.04%	0.0000
x		44.3830	79.95%	0.0000
%RSD		0.7591	5.47	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:28:55	90.31%	0.0068	TM 36042.0000	TM 35858.0000	TM 35555.0000	18.2000	TM 159640.0000	86.84%
2	19:29:32	90.83%	-0.0113	TM 36843.0000	TM 36340.0000	TM 36253.0000	18.3610	TM 162660.0000	88.41%
3	19:30:09	91.87%	-0.0080	TM 37264.0000	TM 36466.0000	TM 36306.0000	18.5350	TM 163490.0000	88.78%
4	19:30:45	91.75%	-0.0115	TM 37526.0000	TM 36788.0000	TM 36672.0000	18.6420	TM 164420.0000	89.29%
5	19:31:22	90.55%	-0.0113	TM 38078.0000	TM 37117.0000	TM 36157.0000	18.4680	TM 164080.0000	90.13%
x		91.06%	-0.0071	TM 37151.0000	TM 36514.0000	TM 36189.0000	18.4410	TM 162860.0000	88.69%
%RSD		0.78	111.9000	TM 2.0574	TM 1.3000	TM 1.1171	0.9166	TM 1.1774	1.37

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:28:55	0.8321	0.5598	0.4121	70.0020	134.8400	116.8600	1439.5000	0.6943
2	19:29:32	0.7174	0.3468	0.4287	72.8070	135.3300	116.3900	1331.2000	0.6622
3	19:30:09	0.7169	0.4369	0.3982	74.5060	136.7700	114.3700	1244.4000	0.6615
4	19:30:45	0.6906	0.8304	0.3756	73.6060	136.3700	113.4300	1169.9000	0.6141
5	19:31:22	0.6746	0.5097	0.3993	72.0100	137.0900	113.3200	1119.7000	0.6124
x		0.7263	0.5367	0.4028	72.5860	136.0800	114.8700	1261.0000	0.6489
%RSD		8.5193	34.0490	4.8594	2.3646	0.7031	1.4459	10.1360	5.4156

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:28:55	5.2443	6.0560	6.4821	667.2700	7.2565	0.7567	0.8881	1.7352
2	19:29:32	5.0948	6.0601	6.3621	666.9900	7.3158	0.8678	1.0883	-0.5597
3	19:30:09	4.7708	5.8749	6.0446	662.6800	6.9461	0.2901	1.2497	0.1565
4	19:30:45	4.5614	6.0079	6.3197	666.1200	7.0511	0.4746	0.8776	0.3908
5	19:31:22	4.7749	5.7788	5.9573	664.2300	7.0200	0.2872	0.9384	0.2154
x		4.8892	5.9555	6.2332	665.4600	7.1179	0.5353	1.0084	0.3876
%RSD		5.6286	2.0821	3.5671	0.2941	2.2424	49.8610	15.7630	215.6900

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:28:55	82.42%	0.1035	0.2254	0.1106	4.0774	3.9308	79.98%	0.0000
2	19:29:32	84.99%	0.0894	0.2294	0.0970	4.0590	4.0204	83.36%	0.0000
3	19:30:09	87.22%	0.0996	1.0843	0.0973	4.0385	3.9275	85.01%	0.0000
4	19:30:45	88.33%	0.1048	0.7609	0.0991	3.6575	4.0162	85.93%	0.0000
5	19:31:22	88.82%	0.1042	1.3567	0.1130	3.9246	3.9647	87.56%	0.0000
x		86.35%	0.1003	0.7313	0.1034	3.9514	3.9719	84.37%	0.0000
%RSD		3.07	6.3898	69.1940	7.5122	4.4227	1.1275	3.42	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:28:55	8.1887	58.4990	58.5040	83.99%	0.4057	0.4221	30.8340	33.7480
2	19:29:32	8.2343	57.7010	58.7940	87.94%	0.4391	0.4235	30.1770	33.1580
3	19:30:09	8.3544	59.3350	57.6180	90.29%	0.4295	0.4105	30.5980	33.4800
4	19:30:45	8.4715	59.0500	58.0980	91.99%	0.4072	0.4385	30.5330	33.7560
5	19:31:22	8.2711	58.6120	58.4250	93.91%	0.4429	0.4194	30.5550	33.2950
x		8.3040	58.6390	58.2880	89.62%	0.4249	0.4228	30.5390	33.4870
%RSD		1.3442	1.0630	0.7702	4.28	4.1261	2.3934	0.7702	0.7979

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:28:55	32.0820	75.76%	0.0000
2	19:29:32	31.7600	79.90%	0.0000
3	19:30:09	31.9820	81.80%	0.0000
4	19:30:45	32.1870	83.30%	0.0000
5	19:31:22	31.9460	84.93%	0.0000
x		31.9910	81.14%	0.0000
%RSD		0.4992	4.35	0.0000

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:34:18	94.38%	263.5600	1030.5000	1029.9000	1031.4000	250.1000	1003.4000	90.63%
2	19:34:55	92.35%	261.7200	1064.4000	1054.9000	1074.8000	249.9800	1027.8000	91.11%
3	19:35:31	93.39%	258.3700	1074.3000	1055.4000	1051.6000	247.8100	1025.2000	91.18%
4	19:36:08	92.44%	256.3700	1074.2000	1066.0000	1071.7000	249.8500	1029.2000	91.92%
5	19:36:44	91.75%	260.3000	1088.6000	1063.4000	1060.1000	248.4200	1039.7000	92.42%
x		92.86%	260.0600	1066.4000	1053.9000	1057.9000	249.2300	1025.1000	91.45%
%RSD		1.11	1.0790	2.0473	1.3555	1.6541	0.4205	1.2973	0.78

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:34:18	0.3898	246.2100	245.7300	767.3400	243.8100	1005.8000	1015.7000	247.7900
2	19:34:55	0.2356	247.8500	247.8500	792.9900	245.4600	1008.5000	1023.2000	247.4200
3	19:35:31	0.2210	246.4800	247.1600	789.5800	247.9300	1013.8000	1010.5000	246.9300
4	19:36:08	0.2256	246.3800	248.3200	790.9600	247.8300	1015.6000	1039.4000	247.1800
5	19:36:44	0.1720	248.3900	248.9800	797.8800	247.0000	1003.4000	985.1200	245.2600
x		0.2488	247.0600	247.6100	787.7500	246.4100	1009.4000	1014.8000	246.9200
%RSD		33.1870	0.4009	0.5019	1.5022	0.7122	0.5148	1.9572	0.3960

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:34:18	253.5900	250.9700	250.9900	253.1800	252.8200	256.2400	254.3400	-0.1454
2	19:34:55	253.6700	250.4600	251.0900	254.0900	254.3300	253.9400	256.4100	-0.5279
3	19:35:31	254.3000	248.0000	248.9100	251.2100	250.9200	250.8700	253.4300	0.3817
4	19:36:08	252.0500	250.0300	249.6700	252.0400	252.1700	251.9100	258.5200	-0.3385
5	19:36:44	250.4800	248.5600	247.9900	252.6100	251.3500	251.0500	251.0100	-1.0667
x		252.8200	249.6000	249.7300	252.6300	252.3200	252.8000	254.7400	-0.3394
%RSD		0.6128	0.5092	0.5339	0.4335	0.5326	0.9005	1.1255	156.0700

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:34:18	87.10%	250.8600	-3.7765	249.6000	252.3800	251.1000	86.09%	0.0000
2	19:34:55	89.15%	250.2000	-2.2179	249.7600	252.4800	251.5800	89.19%	0.0000
3	19:35:31	91.14%	247.9700	-4.8077	247.0400	250.5200	249.9600	91.06%	0.0000
4	19:36:08	91.36%	249.2600	0.3882	248.5000	253.2300	253.0400	91.45%	0.0000
5	19:36:44	91.97%	246.2700	-1.1151	246.2200	249.1100	249.5400	93.20%	0.0000
x		90.14%	248.9100	-2.3058	248.2200	251.5400	251.0400	90.20%	0.0000
%RSD		2.22	0.7369	89.6850	0.6285	0.6715	0.5533	2.99	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:34:18	248.7400	253.9400	252.6800	86.16%	247.7100	248.2300	247.6400	249.3600
2	19:34:55	247.6700	252.7100	250.4000	90.25%	246.3600	247.8100	246.4100	247.5900
3	19:35:31	249.0000	253.4600	252.1000	92.14%	248.0200	248.4000	248.7600	251.4500
4	19:36:08	250.7600	251.3100	250.3000	τ95.04%	246.9100	248.4900	250.0300	252.1300
5	19:36:44	251.1300	253.5000	252.4400	94.10%	246.8900	248.9800	249.3200	249.9200
x		249.4600	252.9800	251.5800	τ91.54%	247.1800	248.3800	248.4300	250.0900
%RSD		0.5828	0.4088	0.4551	τ3.85	0.2726	0.1706	0.5754	0.7171

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:34:18	246.8500	86.96%	0.5666
2	19:34:55	245.9700	91.75%	0.0000
3	19:35:31	247.0900	93.59%	0.0000
4	19:36:08	248.4300	94.80%	0.0000
5	19:36:44	247.2000	96.38%	0.0000
x		247.1100	92.70%	0.1133
%RSD		0.3579	3.91	223.6100

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:39:42	94.45%	0.0204	-2.2910	-2.6726	-2.2370	-2.5657	-3.1844	90.40%
2	19:40:18	95.41%	0.0147	0.5682	0.3038	-1.0077	-2.2889	7.9389	93.59%
3	19:40:55	95.42%	0.0163	7.0284	6.2264	6.8584	-1.5325	38.2010	94.34%
4	19:41:32	96.23%	0.0629	8.6897	6.9096	10.9590	-1.3085	32.6660	95.90%
5	19:42:09	96.43%	0.0459	8.1983	9.0228	8.8801	-1.2785	31.6250	96.10%
x		95.59%	0.0320	4.4387	3.9580	4.6906	-1.7948	21.4490	94.06%
%RSD		0.82	66.7520	112.1800	124.3100	127.0300	33.0830	84.0260	2.45

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:39:42	0.3307	0.0193	0.0045	-0.2386	-0.0020	1.5418	4.6622	0.0025
2	19:40:18	0.2411	0.0142	0.0386	-2.1884	0.0407	1.0044	0.4683	0.0169
3	19:40:55	0.2433	0.0764	0.0703	-3.5487	0.0957	3.5422	-0.4917	0.0632
4	19:41:32	0.1846	0.0660	0.0645	0.7724	0.1071	3.0208	-3.3798	0.0518
5	19:42:09	0.2024	0.0982	0.0600	-2.9577	0.0945	1.6681	0.4187	0.0693
x		0.2404	0.0548	0.0476	-1.6322	0.0672	2.1554	0.3356	0.0407
%RSD		23.4530	66.9400	56.5740	112.4000	69.1870	49.8120	859.0100	72.3120

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:39:42	-0.0305	0.2403	0.0974	-0.0774	0.0547	-0.4271	0.4069	-1.6815
2	19:40:18	-0.0101	0.2268	0.1134	0.0508	0.0758	0.0722	0.4132	-1.5237
3	19:40:55	0.0817	0.2618	0.0975	0.1277	0.1196	0.0770	0.2059	-0.7201
4	19:41:32	0.0414	0.3041	0.1408	0.1708	0.0497	0.0463	0.1293	-0.0407
5	19:42:09	0.0675	0.2005	0.1063	0.0666	0.1018	-0.4254	0.2356	-0.5252
x		0.0300	0.2467	0.1111	0.0677	0.0803	-0.1314	0.2782	-0.8982
%RSD		162.1300	15.8290	16.1220	139.3000	37.4610	205.0500	45.4720	76.9490

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:39:42	86.85%	0.0091	-1.3947	0.0086	0.0025	0.0030	85.48%	0.0000
2	19:40:18	90.70%	0.0140	-0.8388	0.0117	0.0172	0.0176	90.85%	0.0000
3	19:40:55	93.63%	0.0495	-1.3395	0.0390	0.0545	0.0480	92.71%	0.0000
4	19:41:32	95.16%	0.0651	-0.9513	0.0446	0.0922	0.0651	95.23%	0.0000
5	19:42:09	95.43%	0.0468	0.4800	0.0516	0.0489	0.0525	95.35%	0.0000
x		92.36%	0.0369	-0.8088	0.0311	0.0431	0.0372	91.92%	0.0000
%RSD		3.90	65.7150	93.8960	63.2170	81.1540	69.5530	4.41	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:39:42	0.5388	-0.0001	-0.0042	84.78%	-0.0878	-0.0827	0.0130	0.0015
2	19:40:18	0.5831	0.0689	0.0544	89.77%	-0.0736	-0.0696	0.0321	0.0323
3	19:40:55	0.5393	0.1327	0.1235	τ95.44%	-0.0259	-0.0206	0.0421	0.0441
4	19:41:32	0.5205	0.1881	0.1352	τ97.43%	-0.0235	-0.0201	0.0679	0.0742
5	19:42:09	0.3955	0.1480	0.1525	τ98.61%	-0.0419	-0.0284	0.0664	0.0894
x		0.5154	0.1075	0.0923	τ93.21%	-0.0505	-0.0443	0.0443	0.0483
%RSD		13.7590	68.7270	71.0120	τ6.23	57.1340	66.8740	52.6940	71.9180

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:39:42	0.0020	86.20%	0.0000
2	19:40:18	0.0221	91.78%	0.0000
3	19:40:55	0.0545	95.48%	0.0000
4	19:41:32	0.0650	96.96%	0.0000
5	19:42:09	0.0667	98.38%	0.0000
x		0.0420	93.76%	0.0000
%RSD		68.1980	5.22	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:45:06	91.85%	-0.0221	TM 34805.0000	TM 35113.0000	TM 34839.0000	0.7078	TM 157690.0000	84.07%
2	19:45:43	90.92%	-0.0184	TM 35833.0000	TM 35695.0000	TM 35516.0000	1.0279	TM 160060.0000	86.43%
3	19:46:19	89.94%	-0.0074	TM 36888.0000	TM 36290.0000	TM 36268.0000	1.1394	TM 163500.0000	86.64%
4	19:46:56	90.73%	-0.0041	TM 37072.0000	TM 36290.0000	TM 35661.0000	1.4290	TM 162930.0000	87.72%
5	19:47:32	91.06%	0.0154	TM 37242.0000	TM 36496.0000	TM 36214.0000	1.3749	TM 163440.0000	87.98%
x		90.90%	-0.0073	TM 36368.0000	TM 35977.0000	TM 35700.0000	1.1358	TM 161520.0000	86.57%
%RSD		0.75	200.6500	TM 2.8369	TM 1.5793	TM 1.6351	25.5930	TM 1.5894	1.79

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:45:06	0.7291	0.2491	0.3418	12.4170	150.7800	35.9740	1420.3000	1.1372
2	19:45:43	0.5743	0.7993	0.3261	10.9600	151.0000	31.6810	1277.6000	1.0842
3	19:46:19	0.6111	0.5538	0.3643	10.7740	151.9000	31.9340	1134.5000	1.0296
4	19:46:56	0.6297	0.6707	0.3665	11.9340	151.2000	30.2330	1085.0000	1.0436
5	19:47:32	0.5892	0.6273	0.4040	13.0380	152.6700	31.8630	1064.3000	1.0518
x		0.6267	0.5800	0.3605	11.8240	151.5100	32.3370	1196.3000	1.0693
%RSD		9.7386	35.4090	8.1797	8.1175	0.5083	6.6453	12.5680	4.0148

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:45:06	5.7072	4.2220	4.2659	730.9100	6.2023	0.5748	1.2853	-0.0784
2	19:45:43	5.2291	4.0323	4.3305	730.6400	6.1424	0.6820	0.5560	2.6415
3	19:46:19	4.7888	4.0137	4.5409	733.0800	5.9700	0.3747	0.7381	2.2216
4	19:46:56	5.1462	4.0557	4.2597	732.7000	6.2393	0.2579	0.8612	1.1884
5	19:47:32	4.9132	3.8993	4.1199	731.6200	6.0809	-0.0030	0.9395	0.4784
x		5.1569	4.0446	4.3034	731.7900	6.1270	0.3773	0.8760	1.2903
%RSD		6.8771	2.8678	3.5645	0.1470	1.7361	71.4620	30.9030	88.6700

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:45:06	78.64%	0.0082	-1.4695	0.0129	3.7330	3.8462	76.11%	0.0000
2	19:45:43	82.80%	0.0176	0.2776	0.0102	3.7927	3.8880	79.89%	0.0000
3	19:46:19	84.29%	0.0153	0.9388	0.0177	3.8861	3.8708	82.88%	0.0000
4	19:46:56	86.11%	0.0221	0.7081	0.0234	4.0078	3.7515	83.61%	0.0000
5	19:47:32	86.81%	0.0318	1.4003	0.0204	3.8465	3.9617	84.87%	0.0000
x		83.73%	0.0190	0.3711	0.0169	3.8532	3.8636	81.47%	0.0000
%RSD		3.88	45.9890	298.0200	31.6990	2.6953	1.9686	4.31	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:45:06	7.8177	58.5420	58.9670	80.18%	0.4057	0.3718	4.9894	5.5410
2	19:45:43	7.8245	60.0340	59.2600	84.93%	0.3829	0.3852	5.0783	5.2962
3	19:46:19	7.7967	60.3810	58.4480	87.25%	0.3604	0.3881	4.9316	5.4062
4	19:46:56	8.0206	59.4430	58.3080	89.77%	0.3954	0.3901	4.9586	5.5860
5	19:47:32	7.9114	60.2280	58.9800	90.84%	0.3787	0.4047	5.0454	5.5036
x		7.8742	59.7260	58.7930	86.59%	0.3846	0.3880	5.0007	5.4666
%RSD		1.1791	1.2577	0.6791	4.92	4.4698	3.0318	1.2121	2.1220

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:45:06	5.2450	72.65%	0.0000
2	19:45:43	5.2127	77.20%	0.0000
3	19:46:19	5.1819	79.94%	0.0000
4	19:46:56	5.2409	81.52%	0.0000
5	19:47:32	5.2711	82.51%	0.0000
x		5.2303	78.76%	0.0000
%RSD		0.6516	5.03	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:50:31	93.14%	-0.0014	T 15324.0000	15546.0000	15593.0000	0.2351	M 59808.0000	87.05%
2	19:51:07	92.27%	0.0499	T 15819.0000	15967.0000	15905.0000	0.9079	M 60567.0000	88.85%
3	19:51:44	92.07%	0.0218	T 15988.0000	16076.0000	16058.0000	1.5883	M 61452.0000	89.82%
4	19:52:20	92.00%	0.0095	T 16101.0000	16184.0000	T 15713.0000	1.0435	M 61771.0000	90.76%
5	19:52:57	91.81%	0.0202	T 16218.0000	16306.0000	T 15909.0000	0.8650	M 61845.0000	90.60%
x		92.26%	0.0200	T 15890.0000	16016.0000	T 15835.0000	0.9280	M 61088.0000	89.42%
%RSD		0.56	95.6630	T 2.1959	1.8181	T 1.1538	52.0670	M 1.4365	1.70

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:50:31	0.9433	5.9682	0.4909	20.7650	36.7200	39.7430	556.7300	0.3448
2	19:51:07	0.8475	5.9243	0.5053	23.6180	36.6130	36.3930	482.8300	0.3125
3	19:51:44	0.8067	5.9213	0.5313	24.1130	37.0720	37.4940	481.7500	0.3725
4	19:52:20	0.8201	5.9549	0.5424	23.3100	36.5380	37.1680	440.9400	0.3190
5	19:52:57	0.7435	5.9470	0.5607	22.3960	37.2210	37.1670	426.0400	0.3122
x		0.8322	5.9431	0.5261	22.8410	36.8320	37.5930	477.6600	0.3322
%RSD		8.7535	0.3381	5.3416	5.7709	0.8095	3.3743	10.6280	7.8834

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:50:31	1.4595	0.8449	0.9979	27.1810	13.9100	0.3057	1.0722	-1.4110
2	19:51:07	1.7399	0.7769	1.0760	27.3250	13.5770	0.1954	0.3614	-0.3987
3	19:51:44	1.6193	0.8260	0.9109	27.2150	13.7150	-0.3291	0.5241	-0.6307
4	19:52:20	1.5843	0.8657	1.0443	28.0870	13.5850	-0.4892	0.5014	0.0961
5	19:52:57	1.4147	0.8190	0.9133	27.1370	13.7420	-0.2395	0.7767	-1.1559
x		1.5635	0.8265	0.9885	27.3890	13.7060	-0.1114	0.6472	-0.7000
%RSD		8.3160	4.0066	7.5931	1.4471	0.9939	309.3500	43.3960	85.7930

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:50:31	81.37%	0.0158	0.5260	0.0079	0.0510	0.0314	81.47%	0.0000
2	19:51:07	84.69%	0.0433	0.8339	0.0381	0.0581	0.0543	84.71%	0.0000
3	19:51:44	86.49%	0.0680	1.0377	0.0797	0.0429	0.0640	87.21%	0.0000
4	19:52:20	88.18%	0.0435	1.4508	0.0333	0.0399	0.0518	88.38%	0.0000
5	19:52:57	88.64%	0.0397	2.2554	0.0309	0.0679	0.0463	89.62%	0.0000
x		85.88%	0.0420	1.2208	0.0380	0.0519	0.0496	86.28%	0.0000
%RSD		3.45	44.0860	54.7870	68.6450	21.9340	24.1900	3.76	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:50:31	6.1612	123.7200	124.0300	83.41%	-0.0071	-0.0149	5.2845	5.9130
2	19:51:07	5.9719	123.9800	124.9200	87.89%	0.0075	0.0046	5.4788	5.9779
3	19:51:44	5.9629	124.3700	123.3700	90.63%	0.0395	0.0362	5.3844	6.0689
4	19:52:20	6.0696	124.3000	126.4700	91.41%	0.0223	0.0208	5.3586	5.9246
5	19:52:57	5.9344	124.4300	123.4100	93.08%	0.0190	0.0016	5.4391	5.8738
x		6.0200	124.1600	124.4400	89.28%	0.0163	0.0096	5.3891	5.9516
%RSD		1.5602	0.2414	1.0443	4.23	106.8400	201.9300	1.3896	1.2661

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:50:31	5.6035	81.50%	0.0000
2	19:51:07	5.7265	85.63%	0.0000
3	19:51:44	5.6945	88.67%	0.0000
4	19:52:20	5.6459	90.41%	0.0000
5	19:52:57	5.6237	91.95%	0.0000
x		5.6588	87.63%	0.0000
%RSD		0.8974	4.74	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:55:55	92.83%	-0.0134	TM 36188.0000	TM 35958.0000	TM 36148.0000	1.7112	TM 162720.0000	84.18%
2	19:56:32	91.26%	-0.0149	TM 37355.0000	TM 36705.0000	TM 36604.0000	1.8993	TM 166540.0000	85.17%
3	19:57:08	91.25%	0.0029	TM 37390.0000	TM 36935.0000	TM 36743.0000	2.1971	TM 166710.0000	86.14%
4	19:57:45	90.00%	-0.0056	TM 38070.0000	TM 37083.0000	TM 36992.0000	2.0030	TM 167380.0000	86.54%
5	19:58:21	90.94%	-0.0006	TM 38297.0000	TM 37101.0000	TM 36804.0000	1.9946	TM 167720.0000	87.12%
x		91.26%	-0.0063	TM 37460.0000	TM 36756.0000	TM 36658.0000	1.9610	TM 166210.0000	85.83%
%RSD		1.11	122.9000	TM 2.1959	TM 1.2883	TM 0.8662	9.0084	TM 1.2100	1.36

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:55:55	0.7337	0.2420	0.4387	14.4890	142.2600	43.9140	1421.8000	0.8457
2	19:56:32	0.6158	0.4076	0.4334	16.0890	144.2300	39.2330	1322.1000	0.8877
3	19:57:08	0.5818	0.6792	0.4029	15.9830	145.1500	37.1720	1162.9000	0.8661
4	19:57:45	0.5394	0.0964	0.3967	16.6990	145.1900	36.2220	1089.9000	0.7945
5	19:58:21	0.5737	0.8209	0.3511	17.7190	144.6600	36.2460	1071.9000	0.8026
x		0.6089	0.4492	0.4046	16.1960	144.3000	38.5580	1213.7000	0.8393
%RSD		12.3010	66.8070	8.6685	7.2686	0.8346	8.3897	12.5680	4.7896

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:55:55	5.7178	4.1497	4.5631	666.1100	6.0963	0.3351	1.2844	0.1615
2	19:56:32	5.4094	4.0945	4.4932	664.5900	5.9087	0.5923	1.3873	-0.2417
3	19:57:08	5.0742	3.8986	4.3843	661.1100	5.7747	0.7217	1.0050	0.3047
4	19:57:45	4.8299	4.0948	4.4289	663.9200	5.9300	-0.3172	1.0753	-0.1646
5	19:58:21	4.8583	4.0466	4.1540	664.6500	6.0583	0.0073	1.3017	-0.8105
x		5.1779	4.0569	4.4047	664.0800	5.9536	0.2678	1.2107	-0.1501
%RSD		7.3483	2.3585	3.5310	0.2769	2.1560	159.0500	13.4160	288.1800

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:55:55	78.69%	0.0150	-0.1982	0.0055	3.7535	3.7441	76.89%	0.0000
2	19:56:32	81.79%	0.0218	1.0135	0.0239	3.7233	3.7787	79.38%	0.0000
3	19:57:08	83.16%	0.0651	0.5864	0.0496	3.8318	3.8946	81.16%	0.0000
4	19:57:45	84.87%	0.0412	0.9261	0.0202	3.9411	3.7820	82.58%	0.0000
5	19:58:21	85.80%	0.0426	1.5563	0.0478	3.9456	3.8881	83.76%	0.0000
x		82.86%	0.0371	0.7768	0.0294	3.8390	3.8175	80.75%	0.0000
%RSD		3.38	53.1160	83.2480	64.4770	2.6867	1.8095	3.36	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:55:55	7.7696	57.8690	57.4150	81.22%	0.4050	0.3792	4.3271	4.8625
2	19:56:32	8.0449	56.4040	57.5160	84.74%	0.4299	0.3972	4.4211	4.9216
3	19:57:08	7.9845	59.4140	57.0800	87.02%	0.4211	0.4322	4.4643	4.7488
4	19:57:45	8.1488	58.0140	58.4560	89.14%	0.4112	0.4076	4.4514	4.9998
5	19:58:21	8.0166	57.3210	56.9580	T 91.82%	0.4082	0.4228	4.5854	4.7158
x		7.9929	57.8040	57.4850	T 86.79%	0.4151	0.4078	4.4499	4.8497
%RSD		1.7413	1.9020	1.0261	T 4.68	2.4657	5.1270	2.0861	2.4390

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:55:55	4.6407	73.16%	0.0000
2	19:56:32	4.6559	77.19%	0.6383
3	19:57:08	4.6769	79.46%	0.0000
4	19:57:45	4.6799	81.25%	0.0000
5	19:58:21	4.6702	82.88%	0.5946
x		4.6647	78.79%	0.2466
%RSD		0.3492	4.81	137.0700

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:01:19	92.50%	-0.0257	TM 36113.0000	TM 36040.0000	TM 35768.0000	3.2166	TM 163060.0000	84.32%
2	20:01:56	89.99%	-0.0128	TM 37171.0000	TM 36850.0000	TM 36543.0000	3.3350	TM 164560.0000	84.84%
3	20:02:33	88.69%	-0.0088	TM 37518.0000	TM 37036.0000	TM 36819.0000	3.5680	TM 166380.0000	85.39%
4	20:03:09	90.07%	-0.0128	TM 37741.0000	TM 36978.0000	TM 36558.0000	3.3596	TM 166950.0000	85.61%
5	20:03:46	89.47%	-0.0163	TM 38017.0000	TM 36938.0000	TM 36590.0000	3.6365	TM 168000.0000	85.42%
x		90.14%	-0.0153	TM 37312.0000	TM 36769.0000	TM 36456.0000	3.4231	TM 165790.0000	85.12%
%RSD		1.58	41.7570	TM 1.9789	TM 1.1225	TM 1.0984	5.0805	TM 1.1895	0.62

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:01:19	0.7685	0.7763	0.4167	12.8640	133.5400	38.3070	1418.7000	1.2183
2	20:01:56	0.7834	0.4868	0.4158	13.7290	135.1500	36.2520	1286.2000	1.2072
3	20:02:33	0.6454	0.7241	0.3476	13.9720	135.2500	35.4490	1127.1000	1.0938
4	20:03:09	0.5986	0.3406	0.4496	14.8590	135.5700	34.2570	1110.0000	1.1446
5	20:03:46	0.5527	0.1706	0.3874	12.9570	136.5600	33.5280	1074.6000	1.1136
x		0.6697	0.4997	0.4034	13.6760	135.2100	35.5590	1203.3000	1.1555
%RSD		15.3050	51.0900	9.4644	5.9695	0.8069	5.2358	12.0690	4.7984

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:01:19	5.6479	4.0556	4.7800	621.4300	5.9940	0.8293	1.3176	0.4721
2	20:01:56	5.4358	4.1311	4.4542	625.2300	5.8568	0.3068	1.4337	-0.2006
3	20:02:33	5.1531	4.1468	4.3040	623.1100	6.2457	0.3064	0.8996	1.2936
4	20:03:09	4.9730	4.0628	4.2446	620.9100	6.2756	-0.1807	1.3795	-0.1055
5	20:03:46	4.9269	4.0258	4.2728	618.3500	5.8705	-0.1410	0.9928	0.9878
x		5.2273	4.0844	4.4111	621.8100	6.0485	0.2242	1.2046	0.4895
%RSD		5.9026	1.2733	5.0213	0.4124	3.3254	183.5300	20.0670	134.1800

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:01:19	78.91%	0.0066	-0.3579	-0.0022	3.6535	3.6363	76.51%	0.0000
2	20:01:56	80.98%	0.0326	1.1014	0.0171	3.5963	3.6386	79.17%	0.0000
3	20:02:33	83.48%	0.0613	0.6674	0.0512	3.6369	3.6180	81.60%	0.0000
4	20:03:09	83.75%	0.0789	1.0452	0.0736	3.6407	3.5954	82.34%	0.0000
5	20:03:46	84.75%	0.0553	1.4720	0.0524	3.7084	3.5918	82.94%	0.0000
x		82.38%	0.0470	0.7856	0.0384	3.6472	3.6160	80.51%	0.0000
%RSD		2.89	59.5780	89.1000	79.1200	1.1080	0.6092	3.30	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:01:19	7.9499	58.3050	57.9660	80.58%	0.3876	0.4083	4.0420	4.6053
2	20:01:56	7.9130	59.7020	58.7940	84.73%	0.4377	0.4263	4.1032	4.4197
3	20:02:33	7.7084	59.2260	57.8940	87.13%	0.4300	0.4373	4.1868	4.5234
4	20:03:09	8.0276	59.7330	57.9990	88.20%	0.4570	0.4495	4.0641	4.5162
5	20:03:46	7.9461	59.4100	58.6260	88.73%	0.4215	0.4322	4.0929	4.4837
x		7.9090	59.2750	58.2560	85.87%	0.4268	0.4307	4.0978	4.5096
%RSD		1.5140	0.9810	0.7217	3.88	5.9777	3.5171	1.3492	1.4932

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	20:01:19	4.2709	73.58%	0.6697
2	20:01:56	4.2206	77.14%	0.0000
3	20:02:33	4.3351	79.36%	0.0000
4	20:03:09	4.2959	80.49%	0.0000
5	20:03:46	4.2471	82.06%	0.0000
x		4.2739	78.52%	0.1339
%RSD		1.0336	4.20	223.6100

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:06:44	99.76%	0.9968	-0.9028	-1.5122	-0.9712	-2.5661	2.3458	91.76%
2	20:07:21	99.45%	1.0243	1.4485	1.4572	1.2840	-2.5483	12.8530	93.52%
3	20:07:57	99.26%	1.0694	9.0524	9.3695	10.8020	-2.4594	41.3940	94.53%
4	20:08:34	97.08%	0.9455	13.3670	13.7410	14.7480	-2.2456	68.8540	94.42%
5	20:09:10	97.36%	1.0008	11.2620	10.9440	14.3080	-2.3347	48.1040	94.68%
x		98.58%	1.0074	6.8455	6.8001	8.0342	-2.4308	34.7100	93.78%
%RSD		1.28	4.4724	91.2500	95.7570	92.0470	5.6884	77.7740	1.30

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:06:44	0.3615	4.8517	1.9734	-1.5918	0.9087	11.3800	-1.1120	0.9767
2	20:07:21	0.3187	4.6018	1.9751	-1.1084	0.9316	7.9871	-6.7932	0.8620
3	20:07:57	0.2074	4.8676	2.0379	-1.0498	0.9657	6.9334	-2.1585	0.9490
4	20:08:34	0.2518	4.5792	2.0079	1.8263	0.9992	6.4733	-5.3695	0.9294
5	20:09:10	0.1542	4.7609	1.9931	-2.4603	0.9550	4.4065	-4.3458	0.9095
x		0.2587	4.7322	1.9975	-0.8768	0.9520	7.4360	-3.9558	0.9253
%RSD		32.2070	2.8716	1.3323	183.9800	3.6065	34.4260	58.6340	4.6717

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:06:44	0.9622	1.9682	2.0528	2.0093	0.8929	5.1359	5.3543	-0.7474
2	20:07:21	1.0004	1.9731	2.1041	1.8555	1.1016	4.6758	5.5973	-0.8559
3	20:07:57	1.0343	2.0280	1.9456	2.2513	1.2155	4.3648	5.1574	-1.1336
4	20:08:34	1.0322	1.9221	2.0889	1.9736	1.0577	4.2200	5.0479	-1.3656
5	20:09:10	0.9479	1.9499	1.9048	2.2047	1.0092	4.1454	5.1928	-1.6109
x		0.9954	1.9683	2.0193	2.0589	1.0554	4.5084	5.2699	-1.1427
%RSD		3.9724	1.9767	4.4073	8.0321	11.2410	8.9921	4.0499	31.1720

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:06:44	87.28%	0.9578	-1.4132	0.9604	0.9752	0.9910	86.20%	0.0000
2	20:07:21	89.86%	0.9515	-0.6668	0.9788	0.9286	0.9310	90.29%	0.0000
3	20:07:57	91.56%	1.0274	0.2583	0.9616	1.0251	0.9800	91.67%	0.0000
4	20:08:34	92.27%	1.0087	0.5484	1.0434	0.9853	0.9826	92.61%	0.0000
5	20:09:10	93.49%	1.0376	0.4507	0.9894	1.0888	0.9555	93.68%	0.0000
x		90.89%	0.9966	-0.1645	0.9867	1.0006	0.9680	90.89%	0.0000
%RSD		2.65	3.9878	515.4500	3.4409	6.0040	2.5379	3.20	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:06:44	1.9046	9.5366	9.7869	85.24%	0.7991	0.8318	0.9409	0.9635
2	20:07:21	1.9726	9.8008	9.7330	89.59%	0.8518	0.8192	0.9735	0.9474
3	20:07:57	1.7688	9.8325	9.8966	93.20%	0.8131	0.8366	0.9487	0.9579
4	20:08:34	1.9061	9.8998	9.7022	τ95.03%	0.8455	0.8125	0.9803	0.9647
5	20:09:10	1.9455	9.4636	9.6255	94.47%	0.8237	0.8274	0.9547	0.9334
x		1.8995	9.7067	9.7488	τ91.51%	0.8266	0.8255	0.9596	0.9534
%RSD		4.1302	1.9952	1.0375	τ4.47	2.6655	1.1710	1.7364	1.3743

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	20:06:44	0.9596	86.97%	0.0000
2	20:07:21	0.9371	92.02%	0.0000
3	20:07:57	0.9429	94.58%	0.0000
4	20:08:34	0.9456	96.20%	0.0000
5	20:09:10	0.9153	97.15%	0.0000
x		0.9401	93.38%	0.0000
%RSD		1.7155	4.37	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:12:09	92.15%	263.0100	1017.0000	1030.3000	1029.4000	247.2100	989.3200	85.39%
2	20:12:46	91.89%	258.3700	1029.1000	1030.5000	1032.5000	247.1200	1001.7000	86.28%
3	20:13:22	90.06%	260.0300	1054.4000	1050.2000	1042.8000	247.8800	1034.5000	85.91%
4	20:13:59	90.19%	255.4100	1057.6000	1062.3000	1052.1000	246.6700	1018.0000	85.87%
5	20:14:36	91.20%	256.8700	1051.7000	1036.9000	1057.3000	247.8700	1042.4000	86.73%
x		91.10%	258.7400	1042.0000	1042.0000	1042.8000	247.3500	1017.2000	86.04%
%RSD		1.05	1.1373	1.7167	1.3358	1.1552	0.2096	2.1747	0.58

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:12:09	0.3192	246.6100	248.5800	776.5400	242.5400	994.1300	997.3000	246.3100
2	20:12:46	0.2366	244.8400	246.5700	775.0200	246.1600	1000.7000	1006.6000	248.0300
3	20:13:22	0.2191	245.0900	248.7000	778.9800	244.9700	1003.5000	995.6100	245.9100
4	20:13:59	0.2060	246.4600	247.9000	789.5800	246.6700	1009.9000	1034.3000	246.2000
5	20:14:36	0.1552	246.3900	247.3200	781.8300	243.7400	1008.6000	1003.2000	246.1500
x		0.2273	245.8800	247.8100	780.3900	244.8200	1003.4000	1007.4000	246.5200
%RSD		26.2630	0.3424	0.3579	0.7367	0.6959	0.6372	1.5566	0.3477

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:12:09	254.6900	252.4500	253.9600	252.8800	254.3900	258.6800	259.3300	-0.9993
2	20:12:46	253.1800	249.6900	252.1900	253.3700	251.3900	254.5800	254.3700	0.4254
3	20:13:22	251.0200	250.8600	249.1900	252.9700	250.8600	253.0000	250.5400	-0.2325
4	20:13:59	252.0000	248.8900	248.4600	252.2200	252.1700	252.0800	252.8400	-1.0238
5	20:14:36	254.6300	248.8100	249.6000	253.2300	253.0300	249.8000	252.8500	-0.3632
x		253.1000	250.1400	250.6800	252.9400	252.3700	253.6300	253.9900	-0.4386
%RSD		0.6373	0.6130	0.9216	0.1766	0.5527	1.3055	1.2943	137.3300

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:12:09	81.11%	249.8200	4.7983	250.9600	250.8500	251.3900	81.13%	0.0000
2	20:12:46	83.76%	248.0400	-1.0504	248.4600	253.6300	250.9700	83.65%	0.0000
3	20:13:22	84.80%	247.5900	1.4106	247.7000	250.7100	251.2000	85.37%	0.0000
4	20:13:59	85.69%	246.4600	1.9915	246.3900	249.7300	249.8600	86.37%	0.0000
5	20:14:36	85.91%	247.9000	-3.0916	246.1500	248.9500	249.8400	86.84%	0.0000
x		84.25%	247.9600	0.8117	247.9300	250.7700	250.6500	84.67%	0.0000
%RSD		2.31	0.4877	371.3800	0.7824	0.7075	0.2994	2.75	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:12:09	244.8400	252.0000	252.9100	81.47%	244.6700	247.2200	248.0300	247.4800
2	20:12:46	246.9500	254.8900	252.6200	84.93%	247.5900	249.0600	249.5600	250.7400
3	20:13:22	247.7400	253.1500	249.7200	86.60%	247.5000	248.0600	249.6200	249.0300
4	20:13:59	250.7500	253.6100	252.9000	87.68%	247.2700	249.5500	249.1900	248.5600
5	20:14:36	248.6600	251.3700	249.2200	88.85%	248.6700	250.3800	250.6300	250.3300
x		247.7900	253.0000	251.4800	85.91%	247.1400	248.8500	249.4000	249.2300
%RSD		0.8780	0.5463	0.7316	3.34	0.6006	0.4971	0.3745	0.5311

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	20:12:09	245.8100	84.02%	0.0000
2	20:12:46	247.7600	87.26%	0.0000
3	20:13:22	246.6200	89.29%	0.5518
4	20:13:59	247.2800	90.75%	0.0000
5	20:14:36	247.5500	91.57%	0.0000
x		247.0000	88.58%	0.1104
%RSD		0.3209	3.42	223.6100

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:17:34	92.54%	-0.0011	-2.4080	-2.3340	-2.3904	-2.6510	-0.1807	84.08%
2	20:18:11	92.41%	0.0077	-0.6040	-0.5810	-1.2698	-2.6187	4.1077	87.40%
3	20:18:48	93.82%	0.0070	0.1259	-0.1732	-0.2484	-2.5955	6.8641	89.33%
4	20:19:24	93.86%	0.0000	-0.5894	-0.5034	-1.0148	-2.5969	7.4805	90.07%
5	20:20:01	93.41%	0.0036	-0.7531	-0.5685	-0.6683	-2.6419	7.8111	90.62%
x		93.21%	0.0035	-0.8457	-0.8320	-1.1183	-2.6208	5.2165	88.30%
%RSD		0.74	114.2900	110.8800	102.8700	72.2480	0.9675	64.2490	3.01

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:17:34	0.2911	-0.0371	-0.0095	-2.0526	0.0000	2.5941	5.5297	0.0024
2	20:18:11	0.1996	-0.0283	-0.0260	-2.1291	0.0234	0.9931	-2.6302	0.0086
3	20:18:48	0.2007	-0.0448	0.0245	-3.2896	0.0381	-0.1672	2.4631	0.0149
4	20:19:24	0.1983	0.0029	0.0255	-2.9688	0.0201	-0.9993	-3.3487	0.0153
5	20:20:01	0.1665	-0.0142	0.0072	-2.7072	0.0155	-0.1827	-1.1925	0.0077
x		0.2112	-0.0243	0.0043	-2.6295	0.0194	0.4476	0.1643	0.0098
%RSD		22.2020	78.1260	511.0000	20.3050	70.8320	311.4600	2278.9000	55.2070

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:17:34	-0.0219	0.1229	0.0635	-0.1619	0.0045	-0.4333	-0.0767	0.2605
2	20:18:11	0.0059	0.1385	0.0272	-0.0829	0.0803	-0.4267	0.3450	-1.4528
3	20:18:48	0.0014	0.1413	0.0669	-0.1463	0.0403	-0.7321	-0.0238	-0.4253
4	20:19:24	0.0040	0.1261	0.0288	-0.1064	0.0819	-0.8904	0.1913	-0.1941
5	20:20:01	-0.0152	0.0774	0.0485	-0.0662	0.1052	-1.0136	0.3530	-1.4654
x		-0.0052	0.1213	0.0470	-0.1127	0.0624	-0.6992	0.1578	-0.6554
%RSD		243.0900	21.2120	39.7220	36.1130	63.9260	37.9400	127.6600	118.1000

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:17:34	79.86%	0.0103	-0.5471	-0.0039	0.0008	-0.0013	79.91%	0.0000
2	20:18:11	84.79%	0.0072	0.3256	0.0043	0.0187	0.0289	84.95%	0.0000
3	20:18:48	86.95%	0.0186	-1.0351	0.0180	0.0203	0.0129	87.58%	0.0000
4	20:19:24	88.27%	0.0129	0.1277	0.0117	0.0201	0.0064	88.39%	0.0000
5	20:20:01	89.26%	0.0046	0.2912	0.0015	0.0108	0.0091	90.01%	0.0000
x		85.83%	0.0107	-0.1676	0.0063	0.0141	0.0112	86.17%	0.0000
%RSD		4.35	50.5110	357.8000	136.4800	59.5520	99.9740	4.58	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:17:34	0.5028	0.0161	0.0005	79.78%	-0.0942	-0.0842	0.0071	-0.0087
2	20:18:11	0.5619	-0.0001	0.0041	85.68%	-0.0704	-0.0708	0.0065	0.0213
3	20:18:48	0.5495	0.0709	0.0238	88.54%	-0.0707	-0.0572	0.0251	0.0205
4	20:19:24	0.4119	0.0134	0.0269	τ92.61%	-0.0807	-0.0751	0.0039	0.0039
5	20:20:01	0.4027	0.0271	0.0190	91.45%	-0.0820	-0.0756	0.0120	0.0223
x		0.4858	0.0255	0.0149	τ87.61%	-0.0796	-0.0726	0.0109	0.0119
%RSD		15.4370	106.7200	79.8260	τ5.87	12.2910	13.6280	77.3050	116.0900

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	20:17:34	0.0004	81.60%	0.0000
2	20:18:11	0.0125	87.45%	0.0000
3	20:18:48	0.0266	90.67%	0.0000
4	20:19:24	0.0100	93.18%	0.0000
5	20:20:01	0.0096	94.44%	0.0000
x		0.0118	89.47%	0.0000
%RSD		80.0370	5.75	0.0000

Mass Uncorrected ICPS

S0 06/17/2008 17:18:43

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:19:20	267305.2900	20.8334	375.0084	40.0001	85.0004	4143.5299	255.0039	590016.7900
2	17:19:57	273742.6100	13.3333	695.0290	105.0007	155.0014	4856.4147	312.5059	602679.0100
3	17:20:33	273511.8900	15.8333	1560.1460	225.0030	190.0022	7721.0752	360.0078	613735.0700
4	17:21:10	274893.7600	18.3334	2560.3933	405.0098	400.0096	11149.9540	432.5112	615476.7500
5	17:21:47	270359.8300	25.0000	3260.6378	425.0108	495.0147	13390.7500	500.0150	615444.4900
x		271962.6800	18.6667	1690.2429	240.0049	265.0057	8252.3448	372.0088	607470.4200
%RSD		1.140	24.165	72.221	72.139	65.701	48.280	26.000	1.830

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:19:20	102.5006	95.0005	1205.0871	2652.9222	142.5012	99672.5330	1017.5621	32.5001
2	17:19:57	137.5011	85.0004	1295.1006	2592.9033	137.5011	102531.9100	1017.5621	37.5001
3	17:20:33	115.0008	107.5007	1260.0953	2847.9866	177.5019	107000.0600	1135.0773	45.0001
4	17:21:10	125.0009	100.0006	1317.6042	3050.5583	137.5011	112055.8600	1192.5853	87.5005
5	17:21:47	140.0012	140.0012	1270.0968	3450.7143	172.5018	115548.0700	1222.5897	97.5006
x		124.0009	105.5007	1269.5968	2919.0169	153.5014	107361.6900	1117.0753	60.0003
%RSD		12.639	19.855	3.343	11.895	12.907	6.101	8.606	50.346

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:19:20	32.5001	212.5027	47.5001	265.0042	10.8333	890.0475	42.5001	62.5002
2	17:19:57	35.0001	235.0033	47.5001	270.0044	11.6667	901.7155	59.1669	58.3335
3	17:20:33	40.0001	300.0054	67.5003	350.0073	9.1667	899.2152	49.1668	61.6669
4	17:21:10	50.0001	285.0049	125.0009	357.5077	11.6667	900.0486	50.0001	56.6669
5	17:21:47	77.5004	330.0065	135.0011	390.0091	20.8334	915.0502	53.3335	65.0003
x		47.0001	272.5046	84.5005	326.5066	12.8333	901.2154	50.8335	60.8336
%RSD		38.979	17.624	50.270	17.136	35.744	0.995	11.991	5.479

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:19:20	1054845.5000	51.2502	7.5000	33.7501	1.2500	5.0000	1253221.1000	65.0003
2	17:19:57	1094740.3000	55.0002	7.5000	51.2502	3.7500	2.5000	1316418.5000	37.5001
3	17:20:33	1123887.1000	88.7505	5.0000	56.2502	5.0000	12.5000	1336199.7000	17.5000
4	17:21:10	1137747.5000	95.0005	5.0000	91.2505	3.7500	13.7500	1365445.6000	62.5002
5	17:21:47	1150280.8000	141.2512	10.0000	138.7512	7.5000	20.0000	1376262.3000	52.5002
x		1112300.3000	86.2505	7.0000	74.2504	4.2500	10.7500	1329509.4000	47.0002
%RSD		3.433	42.241	29.881	56.109	53.429	65.572	3.668	41.951

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:19:20	25.0000	0.0000	0.0000	2094224.9000	367.5081	843.7927	72.5003	47.5001
2	17:19:57	7.5000	5.0000	5.0000	2213290.8000	335.0067	832.5416	80.0004	62.5002
3	17:20:33	17.5000	5.0000	10.0000	τ2278461.2000	372.5083	805.0389	102.5006	87.5005
4	17:21:10	37.5001	5.0000	5.0000	τ2308380.6000	363.7579	837.5421	92.5005	100.0006
5	17:21:47	30.0001	0.0000	10.0000	τ2350228.2000	337.5068	838.7922	102.5006	82.5004
x		23.5000	3.0000	6.0000	τ2248917.1000	355.2576	831.5415	90.0005	76.0004
%RSD		49.098	91.287	69.722	τ4.439	4.966	1.846	14.959	27.482

Run	Time	208Pb	209Bi	220Bkg
1	17:19:20	190.0022	1508229.2000	0.0000
2	17:19:57	177.5019	1587848.5000	0.0000
3	17:20:33	177.5019	1632604.7000	0.0000
4	17:21:10	195.0023	1670732.8000	0.0000
5	17:21:47	225.0030	1691386.7000	0.0000
x		193.0023	1618160.4000	0.0000
%RSD		10.092	4.514	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:24:42	273306.1300	1037.5646	1800.1944	300.0054	380.0087	9678.1167	350.0073	588269.5200
2	17:25:19	271280.7100	1001.7269	2785.4655	295.0052	370.0082	11820.8780	417.5105	599976.5700
3	17:25:56	270576.7000	925.0513	2925.5134	430.0111	510.0156	13510.9440	475.0135	608385.8900
4	17:26:32	271243.7000	981.7245	2640.4182	340.0069	435.0113	12541.9310	420.0106	614381.4400
5	17:27:09	274894.6200	997.5597	2415.3500	335.0067	345.0071	12546.9380	447.5120	617564.2800
x		272260.3700	988.7254	2513.3883	340.0071	408.0102	12019.7620	422.0108	605715.5400
%RSD		0.659	4.150	17.550	15.941	16.133	11.982	11.031	1.953

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:24:42	195.0023	5641.9092	6452.4971	2817.9764	7410.7937	103564.5600	1087.5710	7280.6791
2	17:25:19	110.0007	5934.6124	6685.1804	3173.1040	7688.5452	108980.4800	1215.0886	7681.0383
3	17:25:56	137.5011	5699.4484	6955.4014	3173.1040	7743.5961	112517.0100	1242.5926	7585.9512
4	17:26:32	142.5012	5794.5139	6895.3516	3223.1232	7958.7987	111723.9500	1165.0814	7423.3049
5	17:27:09	112.5008	5922.1035	7148.0644	3033.0519	7686.0429	111202.0400	1085.0706	7791.1404
x		139.5012	5798.5175	6827.2990	3084.0719	7697.5553	109597.6100	1159.0809	7552.4228
%RSD		24.553	2.251	3.907	5.343	2.539	3.302	6.212	2.691

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:24:42	1592.6522	4571.2534	2017.7442	1620.1575	964.2224	1134.2439	149.1680	47.5001
2	17:25:19	1797.6939	4441.1831	2122.7703	1837.7026	1002.5603	1147.5790	174.1685	54.1668
3	17:25:56	1770.1880	4556.2452	2202.7911	1800.1944	944.2202	1120.0753	161.6682	58.3335
4	17:26:32	1817.6982	4628.7852	2157.7793	1725.1786	995.8928	1109.2405	158.3348	69.1670
5	17:27:09	1805.1955	4581.2589	2167.7819	1797.6939	1022.5627	1127.5763	197.5023	49.1668
x		1756.6856	4555.7452	2133.7734	1756.1854	985.8917	1127.7430	168.1684	55.6669
%RSD		5.313	1.527	3.321	4.912	3.179	1.283	11.111	15.572

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:24:42	1051332.9000	5703.2009	105.0007	5576.8655	1125.0759	2729.1968	1247523.6000	35.0001
2	17:25:19	1096963.7000	5958.3794	110.0007	5754.4862	1263.8458	2880.4978	1314611.2000	25.0000
3	17:25:56	1127411.4000	6169.7831	77.5004	5973.3901	1231.3410	2864.2421	1343833.7000	30.0001
4	17:26:32	1132932.9000	6009.6662	125.0009	5982.1464	1306.3524	3003.0410	1361501.7000	45.0001
5	17:27:09	1135091.7000	6337.4088	90.0005	6115.9935	1263.8458	3001.7905	1358977.7000	55.0002
x		1108746.5000	6035.6877	101.5006	5880.5763	1238.0922	2895.7537	1325289.6000	38.0001
%RSD		3.209	3.940	18.066	3.632	5.538	3.927	3.570	31.688

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:24:42	2965.5276	732.5322	1337.6073	2071094.1000	5553.0996	13164.1390	4403.6632	3513.2404
2	17:25:19	3143.0926	892.5478	1355.1102	2215292.9000	5973.3901	14088.1480	4936.4617	3703.3227
3	17:25:56	3453.2153	730.0320	1367.6122	τ2310479.2000	6168.5322	14709.2200	4811.3886	3980.9507
4	17:26:32	3340.6695	812.5396	1407.6189	τ2327071.2000	5947.1213	14665.3930	4731.3428	4065.9917
5	17:27:09	3245.6319	712.5305	1395.1168	τ2315519.6000	6161.0267	14567.7220	4818.8929	3695.8194
x		3229.6274	776.0364	1372.6131	τ2247891.4000	5960.6340	14238.9250	4740.3498	3791.8650
%RSD		5.789	9.761	2.089	τ4.826	4.193	4.564	4.260	5.979

Run	Time	208Pb	209Bi	220Bkg
1	17:24:42	8802.1462	1502592.8000	0.0000
2	17:25:19	9497.9095	1609073.4000	0.0000
3	17:25:56	9703.1458	1669033.7000	0.0000
4	17:26:32	9833.2982	1678003.5000	0.0000
5	17:27:09	9865.8366	1670483.2000	0.0000
x		9540.4673	1625837.3000	0.0000
%RSD		4.584	4.567	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:30:04	276660.8200	2640.4182	4376.1487	625.0234	740.0329	18568.1640	510.0156	582862.4500
2	17:30:41	279430.1200	2587.9018	5756.9879	860.0444	990.0588	24576.1860	677.5275	599307.1300
3	17:31:17	277821.8300	2687.9334	6327.4012	880.0465	835.0418	25980.4360	652.5255	605391.6900
4	17:31:54	275425.9000	2548.7230	5521.8288	755.0342	760.0347	21668.1340	532.5170	608829.0700
5	17:32:31	275732.4600	2652.0886	5086.5519	585.0205	710.0303	20049.0890	537.5173	614325.0000
x		277014.2300	2623.4130	5413.7837	741.0338	807.0397	22168.4020	582.0206	602143.0700
%RSD		0.593	2.098	13.536	18.040	13.907	13.910	13.228	2.006

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:30:04	292.5051	14167.0320	14888.2880	3325.6635	18400.2920	110816.9600	1320.1046	18763.6010
2	17:30:41	257.5040	14334.8190	15271.4800	3740.8394	18936.4910	119576.8100	1455.1270	19034.2130
3	17:31:17	227.5031	14332.3140	15714.8030	3845.8872	18979.0880	121369.9500	1462.6283	19823.5500
4	17:31:54	172.5018	14823.1720	15642.1670	3523.2446	18881.3660	118676.5700	1347.6090	19567.9470
5	17:32:31	180.0019	14785.6050	15396.7100	3615.7843	19460.1950	117203.4400	1380.1143	19668.1830
x		226.0032	14488.5880	15382.6900	3610.2838	18931.4860	117528.7500	1393.1166	19371.4990
%RSD		22.557	2.046	2.143	5.560	1.988	3.441	4.575	2.329

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:30:04	4253.5853	10796.9900	4816.3915	3360.6775	2372.0042	1503.4689	322.5062	40.8334
2	17:30:41	4421.1725	11134.9340	5151.5918	3413.1989	2423.6857	1512.6373	338.3402	47.5001
3	17:31:17	4513.7221	11280.1290	5454.2844	3555.7584	2456.1953	1605.9881	350.8407	50.0001
4	17:31:54	4571.2534	11069.8480	5629.4008	3608.2810	2541.2207	1529.3070	357.5077	40.8334
5	17:32:31	4493.7113	11460.3750	5539.3404	3475.7247	2533.7185	1542.6428	326.6731	40.0001
x		4450.6889	11148.4550	5318.2018	3482.7281	2465.3649	1538.8088	339.1736	43.8334
%RSD		2.754	2.218	6.264	2.903	2.936	2.630	4.440	10.465

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:30:04	1015990.7000	14369.8790	165.0016	13846.4940	2872.9952	6449.9952	1193382.6000	32.5001
2	17:30:41	1057451.9000	14998.4850	230.0032	14442.5040	2983.0338	7208.1161	1247387.9000	50.0001
3	17:31:17	1081556.3000	15162.5320	160.0015	14707.9680	3001.7905	7299.4455	1285062.9000	60.0002
4	17:31:54	1108905.0000	15282.7510	212.5027	14831.9370	3119.3337	7430.8115	1305906.0000	50.0001
5	17:32:31	1119436.0000	15470.5970	220.0029	15317.8150	3226.8746	7464.5917	1326048.7000	52.5002
x		1076668.0000	15056.8490	197.5024	14629.3440	3040.8056	7170.5920	1271557.6000	49.0001
%RSD		3.870	2.796	16.504	3.695	4.467	5.798	4.129	20.599

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:30:04	7298.1944	1725.1786	3090.5730	1986641.7000	13226.7380	31213.3470	10624.2680	8621.9580
2	17:30:41	7540.9104	1807.6960	3250.6339	2072247.5000	13618.6190	33292.6210	11104.8940	8812.1568
3	17:31:17	7816.1638	1870.2098	3360.6775	2139731.8000	13828.9650	33689.2100	11480.4030	9417.8187
4	17:31:54	8189.0216	1950.2282	3448.2133	τ2214174.1000	14458.7830	34553.9900	11765.8000	9042.4032
5	17:32:31	8304.1355	1990.2376	3510.7394	2251959.8000	14535.1650	35210.4800	12221.4550	9753.2042
x		7829.6851	1868.7100	3332.1674	τ2132951.0000	13933.6540	33591.9300	11439.3640	9129.5082
%RSD		5.420	5.722	5.003	τ5.022	4.008	4.540	5.346	5.014

Run	Time	208Pb	209Bi	220Bkg
1	17:30:04	20968.8480	1412634.3000	0.0000
2	17:30:41	22269.7170	1505793.2000	0.0000
3	17:31:17	23666.0570	1547543.5000	0.0000
4	17:31:54	24049.6530	1594213.2000	0.0000
5	17:32:31	23931.8150	1622505.1000	0.0000
x		22977.2180	1536537.9000	0.0000
%RSD		5.786	5.360	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:35:26	276109.6500	5346.7147	6457.5010	875.0459	1150.0794	26178.5550	477.5137	578201.4600
2	17:36:03	277237.8600	5133.2472	7618.4809	1065.0681	1190.0850	31075.3330	665.0265	594735.1300
3	17:36:40	274357.3400	5198.2875	8239.0709	1240.0923	1195.0857	31552.1190	630.0238	604954.0600
4	17:37:16	272696.6500	5181.6104	7813.6615	930.0519	1255.0945	30518.2800	582.5204	607249.8500
5	17:37:53	275183.9400	5218.3000	8098.9337	1210.0879	1125.0759	28300.4740	547.5180	611829.8300
x		275117.0900	5215.6320	7645.5296	1064.0692	1183.0841	29524.9520	580.5205	599394.0700
%RSD		0.628	1.529	9.245	15.298	4.191	7.611	12.569	2.235

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:35:26	295.0052	27818.8560	28902.5350	3540.7521	35038.5070	113079.5500	1467.6292	37052.1890
2	17:36:03	282.5048	27994.4420	30134.3870	3640.7951	37200.3470	118623.3200	1537.6418	38144.6010
3	17:36:40	230.0032	29090.6880	29025.4610	3810.8712	37772.9140	121479.0200	1437.6240	38815.1870
4	17:37:16	245.0036	29740.4750	30242.2760	3965.9435	37795.5160	119531.1600	1402.6180	38965.8880
5	17:37:53	207.5026	29318.9860	30335.1130	3893.4093	38862.9090	119297.8500	1422.6214	39571.2300
x		252.0039	28792.6890	29727.9540	3770.3542	37334.0390	118402.1800	1453.6269	38509.8190
%RSD		14.435	2.931	2.363	4.680	3.795	2.668	3.620	2.493

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:35:26	8424.2559	21374.8780	9843.3100	6810.2817	4609.6079	2124.4374	581.6870	45.8335
2	17:36:03	8669.5073	21841.0850	10576.7080	7135.5537	4789.7094	2222.7964	607.5221	59.1669
3	17:36:40	8719.5595	21968.9200	10756.9380	7305.7010	4843.9074	2166.1148	661.6929	50.0001
4	17:37:16	8737.0778	22309.8240	10444.0410	7050.4813	4861.4176	2185.2865	639.1912	44.1668
5	17:37:53	9017.3761	22708.3980	10516.6320	7280.6791	4919.7852	2222.7964	641.6914	61.6669
x		8713.5553	22040.6210	10427.5260	7116.5393	4804.8855	2184.2863	626.3569	52.1668
%RSD		2.425	2.276	3.323	2.821	2.469	1.899	5.048	15.096

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:35:26	997322.0500	27867.7690	400.0096	27146.6450	5530.5846	13445.8390	1175773.1000	50.0001
2	17:36:03	1048686.0000	29356.6180	435.0113	28328.0670	5849.5523	13782.6380	1238984.2000	40.0001
3	17:36:40	1077761.1000	30480.6420	367.5081	29578.6510	6052.1969	14225.8820	1283337.3000	40.0001
4	17:37:16	1103568.9000	31204.5640	402.5097	29573.6330	6196.0526	14682.9240	1310314.3000	22.5000
5	17:37:53	1107406.5000	31102.9350	375.0084	30046.5700	6248.5918	14702.9590	1325090.2000	52.5002
x		1066948.9000	30002.5060	396.0094	28934.7130	5975.3957	14168.0480	1266699.8000	41.0001
%RSD		4.263	4.672	6.720	4.098	4.900	3.905	4.773	28.794

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:35:26	14172.0410	3510.7394	6162.2776	1934376.4000	25036.3030	60851.3650	21186.8990	16836.9920
2	17:36:03	15151.2610	3643.2962	6517.5477	2054853.5000	26419.3130	63804.5800	21770.9010	17726.3330
3	17:36:40	15567.0260	3653.3006	6522.5516	τ2170748.1000	27458.9150	66733.6370	23269.9440	18177.3030
4	17:37:16	16180.6940	3823.3769	6780.2572	τ2230999.3000	28063.4240	67938.3130	23317.5770	19046.7420
5	17:37:53	16153.1400	4000.9602	6987.9286	τ2253026.2000	28680.5200	68646.5810	23370.2240	18688.4320
x		15444.8320	3726.3347	6594.1125	τ2128800.7000	27131.6950	65594.8950	22583.1090	18095.1600
%RSD		5.382	5.084	4.718	τ6.254	5.300	4.929	4.559	4.773

Run	Time	208Pb	209Bi	220Bkg
1	17:35:26	41633.7430	1393866.3000	0.0000
2	17:36:03	43729.4360	1483828.9000	0.0000
3	17:36:40	46250.4910	1552256.3000	0.0000
4	17:37:16	47132.9150	1590978.5000	0.0000
5	17:37:53	47806.7370	1609040.3000	0.0000
x		45310.6640	1525994.1000	0.0000
%RSD		5.676	5.773	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:40:49	273792.5500	25834.1490	30500.7160	4371.1461	4606.2727	112225.6200	1122.5756	576061.8900
2	17:41:26	277484.1900	25813.2510	32422.9520	4491.2099	5146.5888	115722.9700	1227.5904	589405.7400
3	17:42:03	275370.7900	25869.2580	33075.5090	4661.3033	4771.3656	118516.8200	1282.5987	593059.2900
4	17:42:39	276158.7400	25530.7160	32207.1180	4416.1698	4991.4945	116217.2800	1295.1006	598310.4400
5	17:43:16	274943.7000	25441.2760	32277.3890	4586.2617	4821.3943	115456.8100	1145.0787	600388.4600
x		275549.9900	25697.7300	32096.7370	4505.2182	4867.4232	115627.9000	1214.5888	591445.1600
%RSD		0.500	0.766	2.979	2.650	4.271	1.949	6.453	1.627

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:40:49	382.5088	136938.4600	134168.9500	6409.9643	174018.1600	148758.5000	2230.2984	182118.5200
2	17:41:26	282.5048	140166.4700	137004.5300	6522.5516	180286.8300	153116.3700	2467.8654	185346.0200
3	17:42:03	310.0058	140687.6400	139086.0900	7125.5451	182616.7500	153872.6100	2490.3721	187759.1500
4	17:42:39	265.0042	141257.1500	139678.3700	6722.7106	186455.3600	153628.1600	2417.8507	187667.1100
5	17:43:16	262.5041	141308.0000	140250.3600	7022.9581	186478.3600	154608.5500	2302.8181	189648.7200
x		300.5055	140071.5400	138037.6600	6760.7459	181971.0900	152796.8400	2381.8409	186507.9000
%RSD		16.508	1.294	1.801	4.577	2.841	1.519	4.679	1.549

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:40:49	40706.6800	101906.8100	49287.8280	28990.3390	22593.0850	7069.6642	2683.7654	53.3335
2	17:41:26	41304.6110	104817.5800	50570.4780	29464.4970	23483.0410	7146.3963	2710.4407	45.0001
3	17:42:03	42510.6530	104696.0700	51078.5630	30380.2770	23600.0370	7284.8494	2785.4655	50.0001
4	17:42:39	42483.0130	106275.8800	51611.8330	30967.4320	23625.1080	7497.5379	2793.8016	51.6668
5	17:43:16	42746.8570	106316.3900	51131.3850	30510.7520	23854.9280	7595.1262	2831.3142	55.0002
x		41950.3630	104802.5500	50736.0180	30062.6600	23431.2400	7318.7148	2760.9575	51.0002
%RSD		2.131	1.711	1.753	2.696	2.081	3.065	2.228	7.523

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:40:49	995030.9000	135956.3200	1742.6822	134109.2500	27546.7040	65013.8730	1166669.3000	37.5001
2	17:41:26	1038622.4000	143530.5100	1847.7048	138918.3300	28706.8600	68119.7850	1225245.3000	55.0002
3	17:42:03	1056714.0000	145124.0000	1815.1977	141545.7400	29138.3540	69651.1150	1254695.2000	50.0001
4	17:42:39	1066922.8000	147824.6000	1877.7115	142937.9500	29936.1740	70649.4670	1271797.7000	47.5001
5	17:43:16	1083166.7000	148612.1700	1997.7394	145080.7600	29926.1380	71458.8240	1284964.3000	37.5001
x		1048091.4000	144209.5200	1856.2071	140518.4100	29050.8460	68978.6130	1240674.3000	45.5001
%RSD		3.223	3.499	5.049	3.006	3.416	3.686	3.789	17.113

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:40:49	69291.8890	16879.5780	29956.2460	1923362.5000	121730.1500	293803.2500	101724.6100	81640.4610
2	17:41:26	72352.7370	17999.4180	31838.2040	2037447.6000	128448.6200	311941.1700	107848.3900	86456.1660
3	17:42:03	75205.3260	18310.0930	33000.2120	2104865.0000	132403.5500	319441.1700	111478.1900	88987.6040
4	17:42:39	76370.8540	18583.1970	32985.1520	τ2138443.1000	134030.5000	325220.9000	113287.3400	90908.1680
5	17:43:16	78096.7390	18873.8490	33838.5640	2166798.7000	136749.1400	332454.3600	116148.8300	92376.6850
x		74263.5090	18129.2270	32323.6760	τ2074183.4000	130672.3900	316572.1700	110097.4700	88073.8170
%RSD		4.684	4.247	4.648	τ4.683	4.464	4.672	5.054	4.797

Run	Time	208Pb	209Bi	220Bkg
1	17:40:49	206340.8500	1391948.1000	0.0000
2	17:41:26	217024.6600	1480403.5000	0.0000
3	17:42:03	223197.0200	1522047.5000	0.0000
4	17:42:39	227313.5700	1540502.7000	0.0000
5	17:43:16	233699.1000	1571985.3000	0.0000
x		221515.0400	1501377.4000	0.0000
%RSD		4.709	4.634	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:46:13	265688.9800	101653.7500	117467.1200	16190.7130	16711.7400	430302.5000	3485.7289	554589.9000
2	17:46:49	263214.7900	99869.8750	122250.1800	16556.4310	18059.5480	427572.2100	3428.2050	568155.8300
3	17:47:26	264085.8800	98716.2510	125096.9600	16811.9410	18836.2640	430270.9300	3483.2278	572847.5100
4	17:48:03	258726.6400	98565.3140	126634.9300	16892.1030	19708.2770	430415.6300	3728.3338	575893.3100
5	17:48:39	257379.2000	95939.9410	124939.6300	17152.6350	19146.9710	427811.5400	3538.2510	576035.1300
x		261819.1000	98949.0260	123277.7600	16720.7650	18492.5600	429274.5600	3532.7493	569504.3400
%RSD		1.368	2.109	2.929	2.181	6.273	0.337	3.285	1.568

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:46:13	392.5092	542432.5300	532962.3200	18122.1830	702407.9800	284034.4200	5374.2324	726492.2500
2	17:46:49	320.0061	555265.2200	544474.4500	18580.6910	723816.2500	289192.3500	5696.9466	742609.2000
3	17:47:26	335.0067	559563.9600	551152.7300	18690.9380	731677.8100	295259.6400	5744.4793	754207.1100
4	17:48:03	310.0058	562801.4400	559823.0200	19259.7310	740132.7600	299499.4900	5832.0400	763722.9800
5	17:48:39	247.5037	568584.9200	558535.8000	19164.5110	747089.3100	296484.5000	5797.0156	766022.8900
x		321.0063	557729.6100	549389.6600	18763.6110	729024.8200	292894.0800	5688.9428	750610.8900
%RSD		16.212	1.764	2.014	2.467	2.368	2.121	3.221	2.177

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:46:13	161843.9900	405236.6200	194560.0100	114217.4100	89592.3660	25365.2120	10343.0810	42.5001
2	17:46:49	163725.2100	410237.6200	197154.9400	118103.5200	91871.1420	26419.3130	10659.3130	45.8335
3	17:47:26	167011.9800	416570.4700	200224.3300	119706.1400	92484.5380	26596.5420	10694.3580	48.3335
4	17:48:03	167897.0000	420902.7200	202380.4900	120013.0100	94097.4440	26810.5590	10595.8990	56.6669
5	17:48:39	168909.6500	423339.1000	201141.0200	121331.9000	94629.2480	26934.2900	10907.9680	57.5002
x		165877.5700	415257.3000	199092.1600	118674.4000	92534.9480	26425.1830	10640.1240	50.1668
%RSD		1.795	1.804	1.600	2.312	2.157	2.364	1.910	13.258

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:46:13	970544.8900	554931.5600	7128.0472	536773.1300	109525.0500	261192.6400	1149169.5000	45.0001
2	17:46:49	1014234.9000	579978.8200	7470.8473	559661.4400	114403.6900	274550.6400	1203355.7000	65.0003
3	17:47:26	1029387.4000	587531.3200	7726.0799	574551.5300	117811.9300	281653.1100	1237258.8000	57.5002
4	17:48:03	1053537.0000	600291.8600	7776.1264	582194.3400	119859.5700	286474.6100	1266528.3000	22.5000
5	17:48:39	1063988.2000	604778.2100	8271.6031	590086.4800	121240.5900	290371.0400	1278913.3000	40.0001
x		1026338.5000	585502.3500	7674.5408	568653.3800	116568.1700	278848.4100	1227045.1000	46.0001
%RSD		3.589	3.372	5.488	3.704	4.035	4.124	4.270	35.762

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:46:13	282232.2200	68528.1120	122458.2000	1915158.1000	501858.7500	1232264.9000	416158.1100	335711.1000
2	17:46:49	299297.4200	73205.1330	126591.7800	2036418.0000	528505.2100	1299402.2000	442180.7300	353178.8100
3	17:47:26	311074.6700	75424.7960	131278.4600	2097605.4000	554768.7400	1358955.7000	460102.9600	369287.5300
4	17:48:03	319052.9600	75775.4560	132987.7400	τ2181510.4000	564953.7500	1398915.6000	474571.4600	381742.8700
5	17:48:39	318351.9000	76297.6890	134926.0300	2184363.1000	573874.6900	1407711.2000	477996.6400	381779.4900
x		306001.8300	73846.2370	129648.4400	τ2083011.0000	544792.2300	1339449.9000	454201.9800	364339.9600
%RSD		5.059	4.331	3.908	τ5.396	5.399	5.495	5.622	5.447

Run	Time	208Pb	209Bi	220Bkg
1	17:46:13	846837.4700	1389419.9000	0.0000
2	17:46:49	909478.5100	1480526.5000	0.0000
3	17:47:26	943600.3700	1543577.7000	2.5000
4	17:48:03	968176.7100	1589267.1000	0.0000
5	17:48:39	973000.5100	1606106.9000	0.0000
x		928218.7200	1521779.6000	0.5000
%RSD		5.601	5.819	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:51:36	255940.9000	242560.3200	287241.5900	40317.2940	43337.3960	1034289.9000	7796.1451	541094.6100
2	17:52:13	251302.9000	240651.1500	296844.4800	39739.5280	44769.9390	1040425.3000	7751.1031	550331.0000
3	17:52:50	249168.5600	236206.6700	303466.7100	40322.3180	44513.5710	1031893.3000	8174.0069	551458.2300
4	17:53:27	246426.3000	231687.4200	302782.4900	40754.4120	44719.6700	1021423.5000	7876.2203	551693.0300
5	17:54:03	250186.7300	234612.5700	303497.8200	40854.9020	45021.2870	1030404.9000	8276.6081	553745.1600
x		250605.0800	237143.6300	298766.6200	40397.6910	44472.3720	1031687.4000	7974.8167	549664.4100
%RSD		1.392	1.870	2.350	1.094	1.483	0.668	2.957	0.900

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:51:36	425.0108	1367222.1000	1338469.4000	40641.3620	1764177.4000	554726.0300	12163.8710	1849482.8000
2	17:52:13	340.0069	1387490.9000	1367459.2000	41764.3940	1826508.0000	578295.1400	12309.0840	1873817.2000
3	17:52:50	302.5055	1389544.6000	1362917.6000	42442.8090	1849285.3000	584118.4900	12604.5250	1896624.4000
4	17:53:27	290.0050	1390090.4000	1358998.1000	42947.8870	1853414.7000	579290.8500	12529.4120	1892494.4000
5	17:54:03	280.0047	1393066.4000	1371871.4000	42641.3190	1862726.5000	581911.8400	12494.3600	1892196.8000
x		327.5066	1385482.9000	1359943.2000	42087.5540	1831222.4000	575668.4700	12420.2500	1880923.1000
%RSD		18.032	0.751	0.951	2.181	2.172	2.072	1.448	1.045

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:51:36	395513.2700	1003954.6000	478531.0400	280670.7900	220894.3600	61730.2940	25438.7690	51.6668
2	17:52:13	399918.7400	1023944.0000	486050.5400	285368.8700	225060.3000	63150.0390	25688.7000	52.5002
3	17:52:50	406049.8100	1034718.5000	491112.2500	289016.4000	226454.8300	63481.7120	26303.9480	60.8336
4	17:53:27	403062.3900	1026166.6000	488275.1000	290633.7100	226691.9800	63154.2370	26160.1640	53.3335
5	17:54:03	406574.4800	1029753.8000	488253.9100	292039.0900	228222.9300	63327.2090	26340.7310	65.8336
x		402223.7400	1023707.5000	486444.5700	287545.7700	225464.8800	62968.6980	25986.4620	56.8335
%RSD		1.143	1.150	0.982	1.593	1.238	1.121	1.545	10.943

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:51:36	956823.3300	1404352.7000	18072.0750	1372268.2000	275335.9200	657739.2600	1130107.6000	27.5000
2	17:52:13	998700.9600	1461874.7000	18518.0520	1410021.0000	285904.2600	684276.0700	1188494.9000	47.5001
3	17:52:50	1008643.3000	1478794.3000	18771.1180	1448710.2000	290681.5900	699093.4000	1215080.8000	42.5001
4	17:53:27	1019027.6000	1495968.1000	19274.7650	1452048.3000	295351.5700	709952.6200	1226158.6000	60.0002
5	17:54:03	1015503.9000	1499476.6000	19124.4190	1454469.9000	295100.4000	708557.2900	1239318.9000	42.5001
x		999739.8100	1468093.3000	18752.0860	1427503.5000	288474.7500	691923.7300	1199832.2000	44.0001
%RSD		2.522	2.633	2.570	2.510	2.876	3.133	3.603	26.529

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:51:36	716989.7800	170779.6900	303832.1700	1918561.5000	1292884.3000	3281809.6000	1071851.7000	849405.1200
2	17:52:13	756714.8800	179487.3500	316991.4900	2036326.7000	1373719.5000	τ3348464.8000	1141385.7000	906306.7700
3	17:52:50	780235.0400	183958.2700	325404.1000	2077665.9000	1416663.9000	τ3459508.7000	1178056.9000	934363.9100
4	17:53:27	787670.6100	185392.0300	328738.7300	2131233.6000	1438817.0000	τ3505568.1000	1200579.8000	956725.5000
5	17:54:03	795515.9200	186907.8300	331942.0300	τ2167716.7000	1460642.9000	τ3553426.7000	1204844.6000	966133.7600
x		767425.2500	181305.0300	321381.7000	τ2066300.9000	1396545.5000	τ3429755.6000	1159343.8000	922587.0100
%RSD		4.132	3.587	3.510	τ4.677	4.745	τ3.274	4.744	5.090

Run	Time	208Pb	209Bi	220Rn
1	17:51:36	2216063.0000	1404070.5000	2.5000
2	17:52:13	2379965.2000	1482327.2000	0.0000
3	17:52:50	2429341.7000	1526482.0000	0.0000
4	17:53:27	2494499.3000	1564551.7000	0.0000
5	17:54:03	2531307.6000	1580148.7000	2.5000
x		2410235.4000	1511516.0000	1.0000
%RSD		5.113	4.695	136.931

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:57:01	243093.8700	462095.4600	516457.7000	71858.4880	80032.4750	T 1898592.0000	13991.7360	489567.7300
2	17:57:38	238891.6000	450430.4200	533044.8600	73114.3420	79886.0810	1930973.4000	13535.9840	491371.9100
3	17:58:14	236981.5400	446219.3600	545274.2900	73820.5260	80562.5460	T 1849906.4000	14487.5820	494402.2400
4	17:58:51	235003.3600	447729.7200	542731.0600	73608.6650	79855.7920	1883722.5000	14592.7660	497937.4400
5	17:59:28	235540.7100	440443.9500	544293.1600	72690.6590	79714.4490	1882641.6000	14595.2700	495791.2300
x		237902.2200	449383.7800	536360.2100	73018.5360	80010.2690	T 1889167.2000	14240.6680	493814.1100
%RSD		1.374	1.778	2.264	1.073	0.411	T 1.555	3.273	0.681

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:57:01	390.0091	T 2451080.7000	T 2400410.5000	71381.9190	T 3208313.1000	933898.3000	21387.4100	T 3304278.2000
2	17:57:38	320.0061	T 2462174.8000	T 2410211.4000	73036.1600	T 3230350.6000	955909.3200	21440.0450	T 3331803.1000
3	17:58:14	315.0059	T 2445692.1000	T 2407164.1000	73306.0140	T 3258247.6000	953447.2700	21382.3970	T 3360680.2000
4	17:58:51	285.0049	T 2471353.8000	T 2438570.9000	72945.3700	T 3290589.3000	958785.8400	21615.4970	T 3356788.8000
5	17:59:28	295.0052	T 2449614.7000	T 2420533.9000	73187.4790	T 3304509.2000	962113.6000	21670.6400	T 3334312.2000
x		321.0063	T 2455983.2000	T 2415378.1000	72771.3890	T 3258402.0000	952830.8700	21499.1980	T 3337572.5000
%RSD		12.816	T 0.430	T 0.615	1.084	T 1.233	1.162	0.626	T 0.679

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:57:01	723677.4300	1865461.6000	877967.7200	508669.9200	399987.7700	M 110390.5200	M 45874.2540	65.8336
2	17:57:38	732587.7800	1878712.8000	877951.0900	517103.4600	401886.7700	M 111164.8800	45854.9810	57.5002
3	17:58:14	732195.4400	1881576.4000	876931.6800	525595.8300	407399.1600	111598.1100	46470.0410	65.0003
4	17:58:51	733808.4900	1875754.1000	888027.0000	526098.6200	406368.1100	112446.0600	47051.6240	48.3335
5	17:59:28	731010.3700	1883672.9000	881774.9700	524106.2700	406543.8700	111855.7000	46392.1090	55.8335
x		730655.9000	1877035.6000	880530.4900	520314.8200	404437.1400	M 111491.0500	M 46328.6020	58.5002
%RSD		0.551	0.380	0.520	1.431	0.813	M 0.691	M 1.067	12.312

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:57:01	866162.9900	M 2623662.2000	32576.0480	M 2550383.1000	496658.1300	1202130.0000	1032564.3000	72.5003
2	17:57:38	882509.4600	M 2688753.9000	33396.7870	M 2614192.4000	510632.1400	1246691.8000	1063623.2000	52.5002
3	17:58:14	900030.6100	M 2743573.9000	34014.2770	M 2662445.0000	522728.6500	1268903.5000	1088606.9000	60.0002
4	17:58:51	909042.0200	M 2760170.9000	34207.5660	M 2695599.2000	529147.8900	1288410.6000	1097207.9000	42.5001
5	17:59:28	907173.9500	M 2764429.5000	34152.3400	M 2678511.1000	531523.3900	1293048.3000	1108788.5000	45.0001
x		892983.8100	M 2716118.1000	33669.4030	M 2640226.1000	518138.0400	1259836.8000	1078158.2000	54.5002
%RSD		2.048	M 2.203	2.053	M 2.223	2.795	2.945	2.821	22.332

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:57:01	1307644.6000	312597.5900	551496.9200	1739565.7000	2456195.9000	T 5803406.5000	T 1996080.3000	1614195.6000
2	17:57:38	M 1383206.0000	323039.7300	569774.7000	1817675.3000	2584816.2000	T 6113454.7000	T 2101297.5000	1713113.1000
3	17:58:14	M 1406793.9000	328850.5100	584429.1700	1877456.1000	2664358.5000	T 6268926.1000	T 2150427.1000	1757484.4000
4	17:58:51	M 1434948.5000	331164.5000	590430.8800	1911513.6000	2720362.8000	T 6393065.2000	T 2186406.8000	1786488.7000
5	17:59:28	M 1430517.2000	333333.4500	591832.7800	1915841.8000	2729558.0000	T 6438298.8000	T 2216099.2000	1804452.9000
x		M 1392622.0000	325797.1600	577592.8900	1852410.5000	2631058.3000	T 6203430.3000	T 2130062.2000	1735146.9000
%RSD		M 3.721	2.553	2.944	4.011	4.313	T 4.138	T 4.050	4.375

Run	Time	208Pb	209Bi	220Bkg
1	17:57:01	T 4032824.1000	1295405.8000	0.0000
2	17:57:38	T 4230747.4000	1358417.7000	2.5000
3	17:58:14	T 4315912.7000	1397435.3000	5.0000
4	17:58:51	T 4429738.0000	1433061.4000	0.0000
5	17:59:28	T 4460299.7000	1436032.4000	0.0000
x		T 4293904.4000	1384070.5000	1.5000
%RSD		T 4.013	4.243	149.071

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:02:25	234170.3900	673239.1800	751863.9000	102015.6300	113213.8500	T 2664549.7000	19670.6890	469668.8300
2	18:03:02	235839.8300	666218.9200	766993.9000	104470.7700	113700.4100	T 2703463.9000	20417.4820	478101.1400
3	18:03:38	234445.4700	663296.5400	778090.2400	106364.5000	114511.4000	T 2717900.2000	20254.5850	482833.9000
4	18:04:15	235406.1500	662283.0000	792080.6700	106136.6200	117147.6700	T 2705722.6000	20014.0050	482611.5600
5	18:04:51	229420.9900	658814.4100	803774.8300	108349.8300	117527.9700	T 2690942.6000	20705.6920	486686.0700
x		233856.5700	664770.4100	778560.7100	105467.4700	115220.2600	T 2696515.8000	20212.4900	479980.3000
%RSD		1.100	0.816	2.621	2.247	1.729	T 0.752	1.948	1.358

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:02:25	482.5140	T 3505640.0000	T 3440898.1000	101332.3700	T 4616554.7000	1308636.2000	30189.5860	T 4740966.0000
2	18:03:02	332.5066	T 3571200.8000	T 3504054.9000	103769.5900	T 4695086.5000	1343357.8000	29988.8630	T 4856819.9000
3	18:03:38	345.0071	T 3602277.4000	T 3536299.1000	103772.1200	T 4761599.1000	1359825.8000	30711.4880	T 4930004.2000
4	18:04:15	242.5035	T 3617611.1000	T 3553704.6000	106769.6300	T 4809532.8000	1363280.4000	30887.1350	T 4934346.3000
5	18:04:51	290.0050	T 3623184.5000	T 3589668.7000	106144.2200	T 4881990.7000	1387749.1000	31341.3260	T 5003594.2000
x		338.5073	T 3583982.8000	T 3524925.1000	104357.5900	T 4752952.7000	1352569.8000	30623.6800	T 4893146.1000
%RSD		26.581	T 1.346	T 1.595	2.080	T 2.153	2.162	1.776	T 2.037

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:02:25	1052624.2000	T 2566238.2000	1271195.3000	733538.7200	574098.5200	M 157432.3500	M 65365.3560	60.0002
2	18:03:02	1067432.3000	T 2615744.6000	1295850.1000	747124.7900	584785.4100	M 159913.0800	M 66086.8470	68.3336
3	18:03:38	1086076.4000	T 2646518.5000	1311791.9000	759059.4000	591856.9000	M 161174.5400	M 67151.1370	60.0002
4	18:04:15	1088555.8000	T 2637221.6000	1301738.2000	764835.9400	595616.9700	M 163320.7200	M 67245.2250	60.8336
5	18:04:51	1093173.2000	T 2679096.2000	1316511.6000	773076.8000	598715.9900	M 163127.8300	M 68315.5440	59.1669
x		1077572.4000	T 2628963.8000	1299417.4000	755527.1300	589014.7600	M 160993.7000	M 66832.8220	61.6669
%RSD		1.581	T 1.591	1.366	2.052	1.668	M 1.517	M 1.703	6.119

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:02:25	824811.5300	TM 3679060.3000	46338.4780	TM 3602493.5000	716381.9400	1764654.3000	988424.7000	60.0002
2	18:03:02	852224.8700	TM 3781042.0000	47411.9910	TM 3691458.1000	741673.6300	1819120.7000	1023262.5000	62.5002
3	18:03:38	863446.6100	TM 3849996.5000	48862.8360	TM 3751178.3000	757000.4000	1856318.5000	1045836.5000	72.5003
4	18:04:15	872794.2700	TM 3887433.6000	49204.8390	TM 3776010.4000	767033.5600	1879316.4000	1052432.1000	65.0003
5	18:04:51	883754.0700	TM 3936914.6000	49662.5420	TM 3837004.7000	780776.1200	1922653.4000	1078189.0000	67.5003
x		859406.2700	TM 3826889.4000	48296.1370	TM 3731629.0000	752573.1300	1848412.7000	1037628.9000	65.5003
%RSD		2.626	TM 2.622	2.859	TM 2.387	3.290	3.246	3.254	7.342

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:02:25	M 1951172.9000	452505.9500	803165.0300	1692901.8000	T 3488788.0000	T 8510303.6000	T 2892756.1000	2411249.2000
2	18:03:02	M 2020419.8000	468354.0900	835410.9200	1766528.7000	T 3651622.0000	T 8857297.6000	T 3029199.2000	T 2439856.0000
3	18:03:38	M 2079867.0000	479676.6700	850749.9800	1800986.8000	T 3751637.0000	T 9090435.8000	T 3107656.9000	T 2497184.3000
4	18:04:15	M 2102179.2000	486352.4100	860556.8800	1836295.0000	T 3831031.7000	T 9313162.8000	T 3157591.5000	2644415.1000
5	18:04:51	M 2154245.4000	492490.1100	879219.9900	1874565.9000	T 3878204.0000	T 9411003.4000	T 3223838.7000	2699297.9000
x		M 2061576.8000	475875.8500	845820.5600	1794255.6000	T 3720256.5000	T 9036440.6000	T 3082208.5000	T 2538400.5000
%RSD		M 3.793	3.328	3.388	3.872	T 4.175	T 4.023	T 4.139	T 5.010

Run	Time	208Pb	209Bi	220Bkg
1	18:02:25	T 5854883.2000	1251838.3000	5.0000
2	18:03:02	T 6146024.5000	1313508.4000	0.0000
3	18:03:38	T 6315229.6000	1342115.8000	7.5000
4	18:04:15	T 6422050.0000	1368802.9000	0.0000
5	18:04:51	T 6541095.1000	1397373.6000	5.0000
x		T 6255856.5000	1334727.8000	3.5000
%RSD		T 4.269	4.182	95.831

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:07:50	232078.9200	890957.2400	973375.7800	129813.2700	145621.3100	T3527301.7000	25258.2210	466527.0100
2	18:08:27	229046.7400	871912.9500	1019610.3000	137566.1700	149906.2900	T3544414.1000	25937.8030	468766.3300
3	18:09:03	228686.2000	865884.4900	1040281.4000	137759.3200	152080.1500	T3517910.8000	26324.0120	479396.2000
4	18:09:40	229537.4700	862136.6600	1061883.4000	141643.6300	156516.1600	T3558359.4000	26785.4790	481001.0800
5	18:10:16	227992.5800	862478.6500	1081734.9000	144100.2100	156149.3800	T3571519.0000	26943.4870	484066.1400
x		229468.3800	870674.0000	1035377.2000	138176.5200	152054.6600	T3543901.0000	26249.8000	475951.3500
%RSD		0.682	1.378	4.031	3.924	2.990	T0.619	2.594	1.640

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:07:50	420.0106	T4622524.3000	T4507137.2000	130427.7600	T6036258.0000	1693639.1000	38147.1130	T6221254.8000
2	18:08:27	295.0052	T4690502.0000	T4616237.4000	134783.7600	T6167868.4000	1746666.7000	39581.2780	T6350630.8000
3	18:09:03	315.0059	T4747913.9000	T4674850.6000	136918.1300	T6292033.0000	1787806.6000	40204.2500	T6487549.1000
4	18:09:40	287.5050	T4803120.2000	T4728741.8000	139825.8200	T6363204.6000	1813220.7000	40942.8320	T6513165.8000
5	18:10:16	295.0052	T4854641.7000	T4772200.7000	141076.6300	T6457957.3000	1843748.4000	40847.3660	T6593456.8000
x		322.5064	T4743740.4000	T4659833.5000	136606.4200	T6263464.2000	1777016.3000	39944.5680	T6433211.4000
%RSD		17.195	T1.925	T2.220	3.104	T2.640	3.300	2.866	T2.289

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:07:50	1391237.8000	T3354362.8000	1681581.1000	958419.5800	749325.6800	M204146.1100	M84550.0910	83.3337
2	18:08:27	1413031.5000	T3413412.8000	1704072.5000	981677.6800	769000.0800	M207902.2800	M86466.2700	67.5003
3	18:09:03	1432843.2000	T3484473.2000	1746785.7000	1002642.3000	783442.7300	M210974.7400	M88228.7660	69.1670
4	18:09:40	1446111.5000	T3499983.4000	1735401.5000	1015450.4000	791556.7200	M213290.9200	M88327.3020	77.5004
5	18:10:16	1455695.0000	T3516588.3000	1756549.6000	1023062.5000	798002.6600	M213387.5200	M89986.5790	73.3337
x		1427783.8000	T3453764.1000	1724878.1000	996250.4900	778265.5700	M209940.3100	M87511.8020	74.1670
%RSD		1.818	T1.971	1.811	2.642	2.502	M1.874	M2.367	8.667

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:07:50	806862.9500	TM4725046.5000	59426.1350	TM4577008.3000	930149.2100	2316393.7000	968674.9200	165.0016
2	18:08:27	835774.8400	TM4911976.0000	62463.2250	TM4787003.7000	978357.9500	2424826.8000	1011365.5000	187.5021
3	18:09:03	862373.5600	TM5054721.3000	64806.0130	TM4893728.7000	1008232.8000	2513605.9000	1045469.5000	192.5022
4	18:09:40	877133.8900	TM5121594.6000	64894.1950	TM4992193.5000	1033585.0000	2560211.2000	1064735.2000	135.0011
5	18:10:16	893498.0600	TM5183367.0000	66463.9950	TM5043354.1000	1045979.1000	2607942.8000	1084258.5000	190.0022
x		855128.6600	TM4999341.1000	63610.7130	TM4858657.7000	999260.8100	2484596.1000	1034900.7000	174.0018
%RSD		4.014	TM3.671	4.308	TM3.818	4.655	4.661	4.422	14.026

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:07:50	M2555765.6000	589763.5200	1048092.9000	1640261.4000	T4512403.3000	T11010056.0000	T3737120.3000	T3001419.9000
2	18:08:27	M2713816.0000	617546.8000	1102923.8000	1738998.5000	T4781232.4000	T11666322.0000	T3972167.5000	T3198913.8000
3	18:09:03	TM2780573.2000	637565.7900	1136623.5000	1807665.4000	T4971750.5000	T12119709.0000	T4122661.4000	T3308832.9000
4	18:09:40	TM2840258.5000	656402.2600	1164614.5000	1858092.6000	T5094785.6000	T12500021.0000	T4251782.1000	T3419807.0000
5	18:10:16	TM2893605.2000	657577.1900	1183328.9000	1871781.7000	T5202338.5000	T12739176.0000	T4321997.2000	T3487070.3000
x		TM2756803.7000	631771.1100	1127116.7000	1783359.9000	T4912502.1000	T12007057.0000	T4081145.7000	T3283208.8000
%RSD		TM4.747	4.528	4.754	5.352	T5.557	T5.743	T5.734	T5.847

Run	Time	208Pb	209Bi	220Bkg
1	18:07:50	T7580347.9000	1212908.4000	5.0000
2	18:08:27	T8036774.6000	1292891.5000	2.5000
3	18:09:03	T8351705.6000	1347683.7000	0.0000
4	18:09:40	T8598139.6000	1382616.6000	0.0000
5	18:10:16	T8854528.0000	1417599.9000	10.0000
x		T8284299.1000	1330740.0000	3.5000
%RSD		T5.990	6.040	119.523

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:13:14	233344.3700	44841.1530	652859.5400	87269.5790	97552.6690	963705.2200	27796.2810	489655.1500
2	18:13:51	237801.0600	45689.0740	680689.4400	90382.4960	100912.3200	976554.9600	28794.6620	499311.0900
3	18:14:28	239455.7800	45561.7130	696178.9200	92677.4970	103883.5000	975624.9000	28869.9220	505873.4100
4	18:15:04	237904.8000	44950.0710	704148.5800	94330.8940	103772.1200	982479.4300	29055.5650	507377.0700
5	18:15:41	235079.6300	44320.8810	706060.6500	92647.1630	102724.2600	977961.4500	29022.9520	506591.3600
x		236717.1300	45072.5780	687987.4200	91461.5260	101768.9700	975265.1900	28707.8760	501761.6100
%RSD		1.038	1.242	3.203	2.987	2.595	0.715	1.814	1.493

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:13:14	380.0087	244211.6900	236534.9500	53845.9030	317531.4700	951659.1500	21317.2310	326492.9700
2	18:13:51	417.5105	248523.9000	242302.1400	56196.3450	326279.8700	988503.2500	22866.3290	334126.7900
3	18:14:28	282.5048	252122.1000	245568.1900	56870.8980	332155.2800	1008325.6000	22841.2610	340421.5300
4	18:15:04	290.0050	252931.0700	246337.9100	57263.5730	336949.6100	1015405.4000	23267.4370	340520.4500
5	18:15:41	260.0041	253405.1500	247208.1200	57694.0270	332152.6800	1011669.3000	23360.1960	336559.3000
x		326.0066	250238.7800	243590.2600	56374.1490	329013.7800	995112.5400	22730.4910	335624.2100
%RSD		21.048	1.549	1.789	2.691	2.264	2.655	3.623	1.721

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:13:14	72509.0880	181689.3000	87474.2070	106169.5400	79987.8830	23486.3830	9715.6603	50.0001
2	18:13:51	74736.1330	187357.7600	89889.7090	109099.5200	81289.5550	24160.8070	9906.7184	52.5002
3	18:14:28	74975.7710	187705.4600	89563.7270	111597.2700	82585.5380	24270.2910	9887.5290	55.0002
4	18:15:04	75149.8290	189045.2400	90607.4190	110946.1600	83411.2000	24667.2880	10016.0160	41.6668
5	18:15:41	75134.6930	188669.3600	90481.0570	111698.6100	83496.2120	24635.5270	10105.2900	44.1668
x		74501.1030	186893.4200	89603.2240	109902.2200	82154.0780	24244.0590	9926.2427	48.6668
%RSD		1.511	1.599	1.411	2.123	1.827	1.972	1.480	11.525

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:13:14	868517.6800	251181.8300	3483.2278	245416.3100	50301.3570	121282.4400	1049818.7000	20.0000
2	18:13:51	907910.5700	261351.2500	3535.7499	255058.2000	54045.9410	128843.4000	1098977.4000	32.5001
3	18:14:28	926727.6500	267550.9000	3545.7542	259374.6600	54638.5370	129932.6100	1121312.4000	17.5000
4	18:15:04	942355.6300	271294.0500	3583.2702	263381.1800	54726.6120	132633.4100	1135762.0000	35.0001
5	18:15:41	946054.0900	273272.1300	3603.2788	265090.3600	55305.4140	132530.5500	1147975.5000	30.0001
x		918313.1200	264930.0300	3550.2562	257664.1400	53803.5720	129044.4800	1110769.2000	27.0000
%RSD		3.446	3.370	1.308	3.053	3.732	3.596	3.479	28.838

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:13:14	270040.5500	32249.7820	57384.4000	1813577.2000	512003.8300	1264823.7000	405470.0800	341353.5200
2	18:13:51	286090.4900	34275.3430	59690.5150	1911420.4000	547338.2200	1338371.7000	432378.4200	363099.3000
3	18:14:28	293809.7200	35025.9550	61027.6470	1974280.4000	557168.6800	1381794.2000	442183.3600	372887.6400
4	18:15:04	298877.7500	35224.2880	61078.0140	2002036.4000	566503.8600	1413774.3000	455397.2500	381599.0000
5	18:15:41	301530.8100	35101.2710	62914.0980	2014921.4000	574518.0900	1407248.1000	452112.9600	382116.9400
x		290069.8700	34375.3280	60418.9350	1943247.2000	551506.5400	1361202.4000	437508.4100	368211.2800
%RSD		4.360	3.621	3.389	4.258	4.408	4.516	4.583	4.589

Run	Time	208Pb	209Bi	220Bkg
1	18:13:14	857477.4000	1341748.0000	0.0000
2	18:13:51	909297.7900	1420249.3000	2.5000
3	18:14:28	942721.2200	1468003.8000	0.0000
4	18:15:04	957717.8700	1499032.6000	5.0000
5	18:15:41	955850.6200	1507439.9000	0.0000
x		924612.9800	1447294.7000	1.5000
%RSD		4.570	4.711	149.071

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:18:40	247545.4100	163.3349	355.0076	65.0003	55.0002	2617.9111	292.5051	501903.8400
2	18:19:17	245889.1100	230.0032	525.0165	80.0004	100.0006	3428.2050	300.0054	515758.8500
3	18:19:54	248903.3100	202.5025	310.0058	75.0003	60.0002	3028.0500	317.5061	523634.1800
4	18:20:30	251492.6700	135.8344	325.0063	50.0001	55.0002	2810.4738	260.0041	526840.8800
5	18:21:07	248316.1800	127.5010	290.0050	15.0000	40.0001	2742.9514	267.5043	527982.3300
x		248429.3400	171.8352	361.0082	57.0002	62.0003	2925.5183	287.5050	519224.0200
%RSD		0.826	25.463	26.233	45.833	36.335	10.869	8.227	2.079

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:18:40	412.5102	765.0351	1550.1442	2030.2473	1010.0612	79898.7010	1022.5627	1070.0687
2	18:19:17	382.5088	1195.0857	2155.2787	2197.7898	1555.1451	82380.1870	1127.5763	1600.1536
3	18:19:54	310.0058	992.5591	1735.1806	2192.7885	1280.0983	83279.0550	1002.5603	1330.1061
4	18:20:30	282.5048	735.0324	1585.1507	2425.3529	972.5567	82458.4550	955.0547	852.5436
5	18:21:07	327.5064	695.0290	1617.6570	2300.3174	850.0434	84008.8250	1082.5703	790.0375
x		343.0072	876.5483	1728.6822	2229.2992	1133.5809	82405.0450	1038.0649	1128.5819
%RSD		15.551	24.223	14.370	6.555	24.981	1.882	6.531	29.957

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:18:40	275.0045	1117.5749	522.5164	345.0071	160.0015	778.3697	72.5003	36.6667
2	18:19:17	352.5075	1497.6346	707.5300	492.5145	232.5032	772.5358	90.8338	34.1667
3	18:19:54	265.0042	1202.5868	535.0172	452.5123	185.0021	805.8723	63.3336	58.3335
4	18:20:30	255.0039	1180.0835	455.0124	332.5066	130.0010	749.2003	52.5002	54.1668
5	18:21:07	185.0021	1057.5671	490.0144	302.5055	108.3340	765.0351	50.8335	42.5001
x		266.5044	1211.0894	542.0181	385.0092	163.1684	774.2026	66.0003	45.1668
%RSD		22.393	14.028	18.006	21.449	29.711	2.688	24.877	23.606

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:18:40	876327.8400	465.0130	22.5000	462.5128	156.2515	343.7571	1046183.8000	17.5000
2	18:19:17	912331.5500	666.2766	37.5001	682.5280	246.2536	616.2728	1098747.3000	15.0000
3	18:19:54	933390.8900	991.3090	20.0000	1017.5621	210.0026	536.2672	1120802.7000	17.5000
4	18:20:30	949687.0600	2595.4041	25.0000	2410.3485	188.7521	310.0058	1135471.1000	25.0000
5	18:21:07	957298.5400	4064.7411	15.0000	3810.8712	125.0009	302.5055	1149106.7000	35.0001
x		925807.1800	1756.5488	24.0000	1676.7645	185.2522	421.7617	1110062.3000	22.0000
%RSD		3.521	87.614	35.016	84.289	25.344	34.306	3.630	37.171

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:18:40	1542.6428	85.0004	150.0014	1771869.6000	1098.8224	2695.4359	705.0298	580.0202
2	18:19:17	1865.2087	210.0026	245.0036	1858957.5000	1676.4186	3922.1728	1212.5882	872.5457
3	18:19:54	1867.7093	132.5010	210.0026	1915388.0000	1238.8421	2936.7674	897.5483	770.0356
4	18:20:30	1610.1555	117.5008	100.0006	1945531.2000	857.5441	2141.5251	705.0298	502.5152
5	18:21:07	1492.6337	82.5004	147.5013	1971188.0000	783.7869	1778.9399	565.0191	390.0091
x		1675.6700	125.5011	170.5019	1892586.8000	1131.0828	2694.9682	817.0431	623.0251
%RSD		10.688	41.294	33.475	4.194	31.429	30.542	30.693	31.549

Run	Time	208Pb	209Bi	220Bkg
1	18:18:40	1452.6266	1302047.6000	0.0000
2	18:19:17	2347.8307	1387752.0000	0.0000
3	18:19:54	1885.2132	1436934.9000	0.0000
4	18:20:30	1347.6090	1458670.5000	0.0000
5	18:21:07	1237.5919	1473792.1000	0.0000
x		1654.1743	1411839.4000	0.0000
%RSD		27.747	4.919	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:24:04	247763.4200	550.8515	285.0049	5.0000	35.0001	2542.8879	265.0042	503865.8400
2	18:24:41	249461.2900	598.3548	320.0061	40.0001	45.0001	2815.4755	300.0054	514782.4200
3	18:25:17	251279.7200	628.3570	415.0103	45.0001	55.0002	2973.0302	252.5038	523776.4700
4	18:25:54	251990.7100	626.6902	355.0076	45.0001	80.0004	2953.0231	285.0049	537016.8500
5	18:26:31	256263.0800	587.5207	225.0030	25.0000	50.0001	2517.8803	312.5059	537487.0100
x		251351.6400	598.3549	320.0064	32.0001	53.0002	2760.4594	283.0048	523385.7200
%RSD		1.273	5.336	22.372	53.674	31.713	7.926	8.687	2.769

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:24:04	472.5134	12639.5780	6002.1608	2005.2412	3648.2984	80221.7820	1077.5697	3690.8171
2	18:24:41	410.0101	13140.3520	6337.4088	2247.8031	3990.9554	82521.5760	1032.5640	4048.4832
3	18:25:17	322.5062	13718.7830	6645.1484	2317.8223	4351.1356	83210.8790	1062.5677	4496.2126
4	18:25:54	277.5046	13358.1980	6627.6345	2337.8279	4213.5650	84021.4520	1022.5627	4143.5299
5	18:26:31	200.0024	13330.6540	6537.5634	2240.3011	3980.9507	84440.6570	965.0559	4000.9602
x		336.5073	13237.5130	6429.9832	2229.7991	4036.9810	82883.2690	1032.0640	4076.0006
%RSD		31.941	2.979	4.177	5.945	6.626	2.005	4.218	7.109

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:24:04	915.0502	4256.0866	2065.2559	1365.1118	513.3491	1306.7691	294.1719	35.0001
2	18:24:41	880.0465	4811.3886	2277.8113	1445.1253	552.5183	1382.6147	323.3396	42.5001
3	18:25:17	992.5591	4821.3943	2380.3399	1482.6319	560.8522	1384.2816	317.5061	53.3335
4	18:25:54	945.0536	4641.2921	2180.2852	1352.6098	585.0205	1358.4440	326.6731	55.0002
5	18:26:31	907.5494	4498.7140	2147.7767	1362.6114	485.8475	1348.4424	315.8393	39.1668
x		928.0518	4605.7751	2210.2938	1401.6180	539.5175	1356.1104	315.5060	45.0001
%RSD		4.617	5.135	5.510	4.177	7.332	2.330	4.026	19.554

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:24:04	868127.4900	2651.6718	40.0001	2410.3485	545.0178	1315.1038	1033238.1000	17.5000
2	18:24:41	907296.2600	2792.9680	52.5002	2594.1537	657.5259	1642.6619	1075576.5000	27.5000
3	18:25:17	940511.1700	3034.3023	40.0001	3001.7905	698.7793	1643.9121	1113629.7000	27.5000
4	18:25:54	953902.7400	3079.3188	55.0002	3196.8631	716.2808	1571.3981	1143438.1000	27.5000
5	18:26:31	970567.2800	3258.1368	45.0001	3103.0776	581.2703	1498.8848	1158818.8000	30.0001
x		928080.9900	2963.2795	46.5001	2861.2467	639.7748	1534.3921	1104940.2000	26.0000
%RSD		4.394	8.119	15.015	11.923	11.605	8.890	4.629	18.744

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:24:04	3218.1213	3308.1565	5441.7762	1748845.7000	2921.7621	6995.4349	2182.7858	1865.2087
2	18:24:41	3345.6715	3263.1388	5421.7632	1816623.7000	3320.6615	8072.6582	2510.3781	2110.2672
3	18:25:17	3798.3655	3463.2195	5937.1142	1906954.6000	3448.2133	8036.3731	2842.9849	2172.7832
4	18:25:54	3558.2595	3350.6735	6002.1608	1962660.1000	3428.2050	8227.8098	2612.9096	2285.3133
5	18:26:31	3493.2320	3505.7373	5967.1356	2003410.4000	3265.6397	7667.2756	2460.3631	2200.2904
x		3482.7299	3378.1851	5753.9900	1887698.9000	3276.8963	7799.9103	2521.8843	2126.7726
%RSD		6.327	3.048	5.129	5.538	6.481	6.340	9.515	7.484

Run	Time	208Pb	209Bi	220Bkg
1	18:24:04	4443.6845	1286257.9000	0.0000
2	18:24:41	5181.6104	1353806.0000	0.0000
3	18:25:17	5611.8890	1415844.3000	0.0000
4	18:25:54	5709.4552	1451450.0000	0.0000
5	18:26:31	5059.0352	1480654.0000	0.0000
x		5201.1348	1397602.5000	0.0000
%RSD		9.716	5.594	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:29:27	212120.7900	142.5012	TM 49074704.0000	TM 6651700.6000	TM 7340506.8000	TM 167871290.0000	M 1371763.1000	450442.2900
2	18:30:04	216028.4300	127.5010	TM 51875429.0000	TM 7066948.1000	TM 7728836.9000	TM 174485760.0000	M 1451014.3000	475404.4900
3	18:30:41	214933.1500	112.5008	TM 54145777.0000	TM 7309748.1000	TM 7997707.5000	TM 178147050.0000	M 1507869.5000	487781.1500
4	18:31:17	218647.9400	153.3347	TM 55266552.0000	TM 7432308.0000	TM 8157504.5000	TM 178936650.0000	M 1552018.8000	496252.5100
5	18:31:54	214910.0700	159.1682	TM 55906902.0000	TM 7532864.1000	TM 8299126.4000	TM 181386210.0000	M 1587736.0000	499342.9100
x		215328.0800	139.0012	TM 53253873.0000	TM 7198713.8000	TM 7904736.4000	TM 176165390.0000	M 1494080.3000	481844.6700
%RSD		1.092	13.739	TM 5.249	TM 4.887	TM 4.806	TM 2.983	M 5.712	4.120

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:29:27	359007.6200	7443.3227	47301.3650	TM 4776051.4000	23139.5820	TM 81088228.0000	M 2039793.6000	4356.1383
2	18:30:04	375263.3000	7600.9649	49765.6550	TM 5050134.2000	24102.3050	TM 86063490.0000	M 2161788.1000	4558.7466
3	18:30:41	384162.8600	7238.1421	50293.8110	TM 5263522.6000	24556.1270	TM 89084996.0000	TM 2188179.4000	4683.8159
4	18:31:17	389240.5300	7928.7701	51237.0310	TM 5376645.3000	25140.3650	TM 91529831.0000	M 2303277.5000	4933.9602
5	18:31:54	393755.3900	7918.7606	52041.9960	TM 5472559.5000	25832.4770	TM 92671682.0000	TM 2260719.8000	4961.4765
x		380285.9400	7625.9921	50127.9720	TM 5187782.6000	24554.1710	TM 88087645.0000	TM 2190751.7000	4698.8275
%RSD		3.612	3.944	3.602	TM 5.375	4.165	TM 5.293	TM 4.632	5.442

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:29:27	5186.6136	13212.9670	7175.5880	5754.4862	385.0089	857.5441	72.5003	296.6719
2	18:30:04	5354.2195	14006.7610	7370.7582	5957.1285	384.1755	851.7102	58.3335	304.1722
3	18:30:41	5381.7372	13593.5780	7555.9240	6014.6698	419.1772	955.8882	61.6669	310.8391
4	18:31:17	5271.6669	14527.6520	7856.2014	6072.2115	420.0106	971.7233	68.3336	316.6727
5	18:31:54	5354.2195	14690.4370	7748.6008	6027.1788	480.8472	1050.8996	60.8336	280.8381
x		5309.6913	14006.2790	7541.4145	5965.1350	417.8439	937.5531	64.3336	301.8388
%RSD		1.511	4.429	3.663	2.091	9.413	8.943	9.132	4.609

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:29:27	762692.1900	171.2518	1617.6570	220.0029	1891.4646	3200.6145	975067.4700	265.0042
2	18:30:04	806148.5200	172.5018	1525.1396	258.7540	1931.4738	3248.1329	1040721.6000	197.5023
3	18:30:41	836803.2600	143.7512	1597.6531	200.0024	2013.9933	3145.5936	1091223.2000	197.5023
4	18:31:17	863670.6300	190.0022	1677.6689	245.0036	2107.7665	3450.7143	1109789.5000	222.5030
5	18:31:54	869663.4400	205.0025	1750.1838	232.5032	2061.5050	3674.5600	1116005.9000	230.0032
x		827795.6100	176.5019	1633.6605	231.2532	2001.2407	3343.9231	1066561.5000	222.5030
%RSD		5.344	13.015	5.198	9.790	4.474	6.514	5.539	12.537

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:29:27	1672.6679	402.5097	752.5340	1564714.7000	120.0009	251.2538	7610.9740	6077.2151
2	18:30:04	2012.7430	435.0113	825.0408	1700431.5000	111.2507	231.2532	8036.3731	6575.0929
3	18:30:41	2067.7565	467.5131	887.5473	1775483.9000	106.2507	255.0039	8306.6380	6817.7878
4	18:31:17	2152.7780	472.5134	910.0497	1799265.0000	402.5097	1020.0624	8947.3007	6877.8371
5	18:31:54	2160.2800	537.5173	910.0497	1838711.0000	591.2710	1352.6098	8967.3222	7143.0601
x		2013.2451	463.0130	857.0443	1735721.2000	266.2566	622.0366	8373.7216	6698.1986
%RSD		9.936	10.856	7.934	6.226	82.972	84.956	7.018	5.996

Run	Time	208Pb	209Bi	220Bkg
1	18:29:27	15206.3610	1095093.8000	0.0000
2	18:30:04	16208.2470	1167699.8000	0.0000
3	18:30:41	17320.4810	1217219.3000	0.0000
4	18:31:17	17398.1430	1248785.9000	0.0000
5	18:31:54	17859.1160	1263171.4000	0.0000
x		16798.4700	1198394.0000	0.0000
%RSD		6.412	5.706	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:34:50	222452.5000	8109.7775	TM 53459723.0000	TM 7339239.6000	TM 7985212.1000	TM 183303390.0000	M 1507899.2000	492907.4800
2	18:35:27	223921.0600	8153.9873	TM 55846142.0000	TM 7631284.1000	TM 8385179.8000	TM 187962230.0000	M 1583985.0000	506227.7300
3	18:36:03	223118.2800	7961.3011	TM 57888529.0000	TM 7789054.8000	TM 8566559.7000	TM 189687550.0000	M 1636350.1000	518792.4900
4	18:36:40	222552.6200	8089.7581	TM 59491160.0000	TM 7971470.6000	TM 8687502.8000	TM 190262890.0000	M 1663359.1000	523793.7600
5	18:37:17	221915.9800	8054.7242	TM 60411618.0000	TM 8102437.0000	TM 8808654.5000	TM 191324460.0000	M 1710228.3000	530168.5400
x		222792.0900	8073.9096	TM 57419434.0000	TM 7766697.2000	TM 8486621.8000	TM 188508110.0000	M 1620364.3000	514378.0000
%RSD		0.342	0.897	TM 4.897	TM 3.842	TM 3.782	TM 1.673	M 4.795	2.892

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:34:50	395694.0600	60438.3760	100677.0000	TM 5244356.6000	90364.8060	TM 89040684.0000	M 2241972.8000	71417.2190
2	18:35:27	399562.2300	61216.5250	102997.6000	TM 5507455.3000	93198.2570	TM 93972396.0000	TM 2295088.6000	73517.8680
3	18:36:03	411347.8900	63140.8030	105374.5400	TM 5630689.1000	96255.2120	TM 96006513.0000	M 2424154.4000	74978.2940
4	18:36:40	410594.5700	62762.9650	106934.2200	TM 5741910.7000	97120.1610	TM 98173932.0000	TM 2385156.6000	74768.9250
5	18:37:17	418777.0400	63763.0140	109208.4300	TM 5899336.2000	98726.3700	TM 100288710.0000	TM 2440855.7000	76777.0610
x		407195.1600	62264.3360	105038.3600	TM 5604749.6000	95132.9610	TM 95496446.0000	TM 2357445.6000	74291.8740
%RSD		2.309	2.228	3.168	TM 4.421	3.510	TM 4.516	TM 3.637	2.670

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:34:50	20041.5710	48485.6420	23921.7860	14988.4670	8292.4572	3091.4066	907.5494	290.0050
2	18:35:27	20272.1280	49154.5440	24804.3610	15882.6210	8524.3577	3132.2552	972.5567	316.6727
3	18:36:03	20402.4450	50183.1470	25182.9940	16017.8800	8593.5954	3296.4852	991.7257	295.0052
4	18:36:40	20798.4220	50630.8430	25503.9680	16481.2820	8750.4251	3333.1665	960.0553	288.3383
5	18:37:17	20933.7600	51938.8560	26221.1880	16654.1250	9039.9005	3299.8199	1017.5621	285.0049
x		20489.6650	50078.6060	25126.8590	16004.8750	8640.1472	3230.6267	969.8899	295.0052
%RSD		1.807	2.673	3.388	4.069	3.214	3.415	4.232	4.284

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:34:50	825219.0700	45346.7950	2427.8536	43745.7710	11621.8480	25975.4200	1047412.2000	280.0047
2	18:35:27	862492.4800	47644.5620	2282.8126	46340.9920	12233.9740	27109.0220	1104265.3000	235.0033
3	18:36:03	900694.4100	49135.6830	2505.3766	47424.5620	12305.3290	27428.8160	1145773.6000	260.0041
4	18:36:40	918263.0500	50191.9500	2410.3485	48522.1040	12496.8630	28453.4930	1183036.4000	237.5034
5	18:37:17	939484.4700	51208.1040	2535.3856	49184.7210	12687.1500	28920.0950	1201482.0000	257.5040
x		889230.7000	48705.4190	2432.3554	47043.6300	12269.0330	27577.3700	1136393.9000	254.0039
%RSD		5.126	4.712	4.050	4.545	3.281	4.205	5.469	7.253

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:34:50	27818.8560	7230.6356	12884.9540	1676819.3000	45427.2310	109647.8900	44654.3210	36557.5120
2	18:35:27	29592.4500	7418.3004	13530.9760	1777807.5000	48328.4830	117325.1400	47263.6520	39302.4630
3	18:36:03	30443.0050	7966.3059	13939.1480	1859856.3000	50913.8090	122728.3800	49096.7040	40432.8520
4	18:36:40	31850.7520	8148.9824	14016.7780	1912063.5000	53047.0540	125310.1300	50130.3310	41636.2550
5	18:37:17	32402.8750	8189.0216	14362.3660	1954015.3000	53019.3780	127094.3400	51058.4400	42736.8060
x		30421.5870	7790.6492	13746.8440	1836112.4000	50147.1910	120421.1800	48440.6900	40133.1770
%RSD		6.023	5.633	4.112	6.028	6.525	5.863	5.249	5.923

Run	Time	208Pb	209Bi	220Bkg
1	18:34:50	91160.9060	1138714.7000	0.0000
2	18:35:27	96715.4950	1210470.3000	0.0000
3	18:36:03	100631.4500	1262105.3000	2.5000
4	18:36:40	104042.9700	1295655.5000	0.0000
5	18:37:17	105620.1200	1330411.5000	0.0000
x		99634.1890	1247471.5000	0.5000
%RSD		5.865	6.027	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:40:14	252194.2300	124858.4200	606871.2100	81971.1830	89781.0470	549898.8200	16035.4130	571646.6000
2	18:40:50	250554.1900	124126.7800	631854.4300	86304.6070	96207.1620	578766.2100	16784.3860	583673.9000
3	18:41:27	251665.2600	124062.5000	647370.1000	87562.6290	95332.1920	577864.2300	17152.6350	592977.5100
4	18:42:03	251266.8400	123183.7700	640239.5700	87769.7910	97577.9620	570868.3800	17307.9550	593335.4400
5	18:42:40	251937.4700	124427.0400	655332.8100	88926.9620	96798.9560	575819.7300	17530.9210	601416.2500
x		251523.6000	124131.7000	636333.6300	86507.0340	95139.4640	570643.4700	16962.2620	588609.9400
%RSD		0.255	0.496	2.925	3.122	3.265	2.102	3.450	1.932

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:40:14	565.0191	711095.4200	696363.4200	65962.5340	926841.8600	1102102.6000	24854.5100	952162.0300
2	18:40:50	500.0150	725422.2900	711062.8000	68981.8330	945911.7000	1153947.1000	25601.7670	974759.3500
3	18:41:27	510.0156	738712.1200	718493.9200	69329.7020	961280.1400	1172533.1000	26050.6550	989639.4900
4	18:42:03	400.0096	731936.6200	723296.3900	69826.3220	968336.2500	1171387.6000	26431.8520	990868.4800
5	18:42:40	502.5152	746139.6200	732478.8000	71233.1540	981719.7300	1194798.0000	26790.4950	1002470.9000
x		495.5149	730661.2200	716339.0600	69066.7090	956817.9400	1158953.7000	25945.8560	981980.0500
%RSD		12.038	1.831	1.899	2.802	2.211	3.014	2.903	1.971

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:40:14	210687.6100	524694.0800	253889.5600	150145.5400	117537.2600	33288.0200	13890.7340	57.5002
2	18:40:50	215762.5100	540180.5800	257861.2600	154185.8200	119942.8400	34138.9520	13854.0060	57.5002
3	18:41:27	217083.6600	543941.2600	259413.3300	154575.4400	121007.2300	34684.5310	14128.6340	49.1668
4	18:42:03	216598.7900	545527.5900	262288.7700	155380.2000	121757.2000	35133.9080	14035.1430	53.3335
5	18:42:40	219698.3600	555598.9000	262505.4400	158691.7300	123538.9800	35744.8310	14496.7650	55.0002
x		215966.1900	541988.4800	259191.6700	154595.7500	120756.7000	34598.0480	14081.0560	54.5002
%RSD		1.527	2.071	1.371	1.977	1.844	2.718	1.828	6.360

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:40:14	1011981.5000	726416.0100	9210.0867	706895.9500	143381.7300	341054.1200	1193669.7000	37.5001
2	18:40:50	1043273.1000	752795.1100	10216.2580	728643.4400	148423.8600	356088.8100	1240808.0000	37.5001
3	18:41:27	1067766.3000	760169.0300	9963.4527	740729.9900	151508.6300	362756.0800	1269003.4000	20.0000
4	18:42:03	1076667.3000	771308.6800	10361.4380	752485.1500	154481.2200	369476.9000	1271033.1000	27.5000
5	18:42:40	1087086.3000	777546.5900	9788.2452	760522.9900	156032.2100	372845.8300	1296881.0000	32.5001
x		1057354.9000	757647.0800	9907.8961	737855.5000	150765.5300	360444.3500	1254279.0000	31.0001
%RSD		2.846	2.630	4.528	2.859	3.351	3.497	3.131	23.923

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:40:14	373096.6900	91087.6110	159575.8800	1997097.4000	656267.2200	1609029.8000	546191.5300	436876.6600
2	18:40:50	389994.5900	95377.7090	166751.8400	2079547.5000	687465.7300	1699153.3000	568341.6300	454977.7400
3	18:41:27	399816.5000	95633.1110	168784.6600	T 2163357.9000	698775.8600	1729571.5000	581553.0500	466427.9400
4	18:42:03	407051.9600	96568.8090	171440.5600	2171572.4000	713241.4500	1760440.6000	596232.9300	473077.5100
5	18:42:40	410605.0700	98460.7550	172808.3800	2197632.4000	723556.3100	1791154.3000	600313.3200	480983.8800
x		396112.9600	95425.5990	167872.2600	T 2121841.5000	695861.3100	1717869.9000	578526.4900	462468.7500
%RSD		3.809	2.840	3.096	T 3.893	3.744	4.066	3.813	3.717

Run	Time	208Pb	209Bi	220Bkg
1	18:40:14	1119478.7000	1439315.6000	0.0000
2	18:40:50	1168988.0000	1503828.8000	0.0000
3	18:41:27	1195220.1000	1539952.2000	0.0000
4	18:42:03	1213282.4000	1564837.3000	2.5000
5	18:42:40	1243737.9000	1584987.8000	0.0000
x		1188141.4000	1526584.4000	0.5000
%RSD		3.960	3.761	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:45:36	252590.1200	24.1667	875.0459	120.0009	130.0010	4788.8756	390.0091	573734.2500
2	18:46:13	255768.2200	38.3334	5436.7729	655.0257	745.0333	17528.4150	525.0165	588629.9300
3	18:46:50	257964.3800	29.1667	5526.8321	750.0338	895.0481	19505.3010	520.0162	603261.4700
4	18:47:26	260502.3600	34.1667	3330.6655	430.0111	600.0216	12286.5510	445.0119	614359.9400
5	18:48:03	256242.4600	30.0001	2215.2944	305.0056	365.0080	9012.3707	437.5115	616068.1400
x		256613.5100	31.1667	3476.9222	452.0154	547.0224	12624.3030	463.5131	599210.7500
%RSD		1.136	17.183	58.283	56.658	55.612	47.849	12.485	2.998

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:45:36	540.0175	160.0015	1270.0968	2697.9367	187.5021	100871.8300	1197.5860	57.5002
2	18:46:13	535.0172	272.5045	1350.1094	3058.0610	235.0033	109742.8800	1337.6073	182.5020
3	18:46:50	497.5149	287.5050	1347.6090	3025.5491	340.0069	113008.6000	1352.6098	120.0009
4	18:47:26	417.5105	215.0028	1292.6002	2903.0056	200.0024	111143.7700	1287.5995	85.0004
5	18:48:03	397.5095	177.5019	1427.6223	3150.5955	145.0013	110246.9700	1127.5763	92.5005
x		477.5139	222.5031	1337.6075	2967.0296	221.5032	109002.8100	1260.5958	107.5008
%RSD		13.897	25.337	4.569	5.884	33.249	4.323	7.608	44.156

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:45:36	20.0000	992.5591	172.5018	217.5028	18.3334	1139.2445	55.8335	30.8334
2	18:46:13	62.5002	1005.0606	220.0029	227.5031	33.3334	1128.4097	60.0002	31.6667
3	18:46:50	40.0001	942.5533	207.5026	237.5034	30.8334	1164.2480	53.3335	44.1668
4	18:47:26	25.0000	835.0418	182.5020	275.0045	31.6667	1165.0814	37.5001	50.0001
5	18:48:03	32.5001	815.0399	160.0015	195.0023	11.6667	1121.7422	55.8335	52.5002
x		36.0001	918.0509	188.5022	230.5032	25.1667	1143.7452	52.5002	41.8334
%RSD		46.221	9.624	13.150	12.774	38.216	1.757	16.610	24.210

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:45:36	997324.8600	128.7510	12.5000	92.5005	2.5000	7.5000	1160586.3000	17.5000
2	18:46:13	1039477.2000	153.7514	20.0000	138.7512	21.2500	48.7501	1222808.2000	30.0001
3	18:46:50	1075024.0000	138.7512	12.5000	120.0009	23.7500	80.0004	1256501.9000	25.0000
4	18:47:26	1089815.6000	161.2516	2.5000	118.7509	13.7500	31.2501	1291205.1000	27.5000
5	18:48:03	1110964.1000	115.0008	2.5000	118.7509	13.7500	22.5000	1312705.4000	25.0000
x		1062521.2000	139.5012	10.0000	117.7508	15.0000	38.0001	1248761.4000	25.0000
%RSD		4.217	13.375	75.000	13.991	55.277	73.209	4.805	18.708

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:45:36	880.0465	7.5000	12.5000	1928383.9000	268.7543	683.7781	87.5005	50.0001
2	18:46:13	990.0588	7.5000	35.0001	τ2061671.6000	402.5097	967.5562	132.5010	135.0011
3	18:46:50	1007.5609	22.5000	52.5002	2101041.1000	373.7584	868.7953	167.5017	110.0007
4	18:47:26	900.0486	7.5000	15.0000	τ2193026.1000	310.0058	802.5386	117.5008	120.0009
5	18:48:03	752.5340	7.5000	22.5000	τ2235537.4000	321.2562	691.2787	92.5005	97.5006
x		906.0498	10.5000	27.5001	τ2103932.0000	335.2569	802.7894	119.5009	102.5007
%RSD		11.261	63.888	59.959	τ5.717	15.827	15.013	27.213	31.614

Run	Time	208Pb	209Bi	220Bkg
1	18:45:36	175.0018	1378646.1000	0.0000
2	18:46:13	315.0059	1457722.9000	0.0000
3	18:46:50	337.5068	1519082.4000	0.0000
4	18:47:26	235.0033	1559663.5000	0.0000
5	18:48:03	217.5028	1587897.9000	0.0000
x		256.0042	1500602.6000	0.0000
%RSD		26.643	5.592	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:51:00	250604.8500	23.3334	2425.3529	315.0059	380.0087	14199.5870	560.0188	549258.6000
2	18:51:37	249367.7200	35.8334	7698.5544	1035.0643	1060.0674	28942.6740	770.0356	559813.6700
3	18:52:14	248159.9600	38.3334	7032.9665	970.0565	1000.0600	28270.3720	790.0375	565413.4100
4	18:52:51	250270.8700	26.6667	4751.3541	675.0273	780.0365	20625.4930	690.0286	565643.2500
5	18:53:27	248441.5000	24.1667	3020.5473	400.0096	595.0212	16674.1650	637.5244	565327.8900
x		249368.9800	29.6667	4985.7551	679.0327	763.0388	21742.4580	689.5290	561091.3600
%RSD		0.433	23.384	47.063	47.825	37.047	30.706	13.770	1.257

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:51:00	552.5183	15076.1250	1955.2293	2595.4041	207.5026	98230.5620	1235.0915	62.5002
2	18:51:37	540.0175	15141.2430	2030.2473	3240.6300	377.5086	104977.0700	1350.1094	245.0036
3	18:52:14	427.5110	14577.7390	1855.2065	3198.1136	290.0050	105149.2200	1235.0915	215.0028
4	18:52:51	412.5102	14915.8370	1875.2110	2895.5029	290.0050	100937.6200	1217.5889	142.5012
5	18:53:27	365.0080	14617.8100	1895.2155	3008.0428	257.5040	99242.4460	1075.0693	80.0004
x		459.5130	14865.7510	1922.2219	2987.5387	284.5050	101707.3900	1222.5901	149.0016
%RSD		17.977	1.738	3.696	8.713	21.787	3.159	8.010	53.961

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:51:00	50.0001	552.5183	172.5018	995.0594	309.1724	890.0475	55.8335	36.6667
2	18:51:37	90.0005	702.5296	255.0039	990.0588	380.0087	903.3823	47.5001	45.0001
3	18:52:14	80.0004	617.5229	225.0030	1077.5697	353.3408	774.2026	60.0002	45.8335
4	18:52:51	40.0001	585.0205	195.0023	1030.0637	360.8412	820.0403	55.0002	41.6668
5	18:53:27	45.0001	687.5284	182.5020	960.0553	355.0076	823.3740	47.5001	42.5001
x		61.0002	629.0239	206.0026	1010.5614	351.6741	842.2094	53.1668	42.3334
%RSD		36.840	10.287	16.386	4.448	7.398	6.367	10.361	8.513

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:51:00	953838.4700	111.2507	2.5000	118.7509	11.2500	30.0001	1120016.8000	55.0002
2	18:51:37	986121.8400	163.7516	10.0000	118.7509	23.7500	90.0005	1165553.1000	45.0001
3	18:52:14	1003918.0000	120.0009	15.0000	137.5011	28.7501	63.7502	1196696.1000	55.0002
4	18:52:51	1009959.3000	132.5010	20.0000	106.2507	18.7500	37.5001	1206903.0000	35.0001
5	18:53:27	1012347.2000	107.5007	12.5000	98.7506	11.2500	20.0000	1203783.9000	45.0001
x		993236.9700	127.0010	12.0000	116.0008	18.7500	48.2502	1178590.6000	47.0001
%RSD		2.446	17.861	53.926	12.714	41.096	58.895	3.107	17.801

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:51:00	315.0059	17.5000	12.5000	1878140.1000	120.0009	282.5048	77.5004	67.5003
2	18:51:37	490.0144	25.0000	42.5001	1965278.0000	252.5038	608.7722	192.5022	167.5017
3	18:52:14	507.5154	12.5000	35.0001	2022544.6000	221.2529	537.5173	170.0017	152.5014
4	18:52:51	410.0101	5.0000	20.0000	2048638.1000	172.5018	345.0071	157.5015	135.0011
5	18:53:27	397.5095	15.0000	47.5001	τ2098909.4000	101.2506	248.7537	90.0005	87.5005
x		424.0111	15.0000	31.5001	τ2002702.0000	173.5020	404.5110	137.5013	122.0010
%RSD		18.310	48.591	47.154	τ4.228	37.135	39.496	36.972	35.088

Run	Time	208Pb	209Bi	220Bkg
1	18:51:00	182.5020	1360472.1000	0.0000
2	18:51:37	427.5110	1428398.2000	0.0000
3	18:52:14	395.0094	1469550.5000	0.0000
4	18:52:51	300.0054	1491297.7000	0.0000
5	18:53:27	242.5035	1498698.5000	0.0000
x		309.5063	1449683.4000	0.0000
%RSD		33.086	3.924	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:56:24	241877.5700	45911.1220	680700.2700	92197.2140	101570.2400	1012994.2000	29808.2170	523085.0000
2	18:57:01	241597.9700	45645.5030	711505.8300	94927.6130	106384.7600	1042062.2000	30279.9130	532138.3400
3	18:57:37	241231.7500	45074.9090	726625.6600	98068.6720	106941.8200	1037073.6000	30465.5880	531958.6400
4	18:58:14	241005.3400	45074.0720	728341.1500	97588.0800	107524.2400	1040594.7000	30538.3530	533846.3000
5	18:58:51	243241.4200	45257.5620	729337.9300	98771.9050	108567.6400	1024845.4000	32033.9520	533136.7200
x		241790.8100	45392.6340	715302.1700	96310.6970	106197.7400	1031514.0000	30625.2040	530833.0000
%RSD		0.363	0.819	2.888	2.825	2.552	1.199	2.734	0.829

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:56:24	507.5154	268788.5400	247339.4300	57313.9180	328533.3600	1019297.8000	23069.3880	341957.5400
2	18:57:01	502.5152	272013.1800	251521.8600	59121.4800	336447.4200	1050996.7000	23643.4930	348182.5200
3	18:57:37	462.5128	272870.5400	254240.0100	59826.4840	337922.8600	1064789.0000	23981.9580	348297.1600
4	18:58:14	387.5090	276807.2300	256366.1800	59577.2080	341413.4000	1070515.2000	23558.2520	354505.9200
5	18:58:51	402.5097	276019.2300	255451.2100	61231.6350	340986.4400	1079614.5000	23989.4800	349206.5600
x		452.5124	273299.7400	252983.7400	59414.1450	337060.6900	1057042.7000	23648.5140	348429.9400
%RSD		12.280	1.184	1.440	2.380	1.543	2.225	1.598	1.279

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:56:24	77001.6190	191970.9900	91679.0440	109788.4800	83255.4880	24393.9850	9981.8079	48.3335
2	18:57:01	77594.5810	193503.3300	92702.7760	112243.3600	83960.8450	24912.1810	10177.8780	43.3334
3	18:57:37	76075.6730	194084.1000	94224.7030	113571.1700	85196.6260	24796.0020	10267.9890	53.3335
4	18:58:14	77647.5710	194792.8500	93514.2680	113827.1200	86412.3820	25493.1010	10308.8720	33.3334
5	18:58:51	76441.4970	193283.3100	92652.2190	114295.9800	85930.7730	25024.1830	10328.0630	46.6668
x		76952.1880	193526.9200	92954.6020	112745.2200	84951.2230	24923.8910	10212.9220	45.0001
%RSD		0.902	0.542	1.036	1.614	1.558	1.594	1.386	16.564

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:56:24	907515.8500	256933.2500	3568.2638	250928.1100	50957.8270	120919.7300	1083297.2000	50.0001
2	18:57:01	940921.3300	265602.5400	3470.7226	258501.9100	53679.8360	126994.0800	1125271.6000	47.5001
3	18:57:37	961274.5500	271913.7600	3635.7930	262438.3700	54944.2870	129927.5300	1160546.2000	60.0002
4	18:58:14	970091.3600	272332.0900	3690.8171	265166.4800	55134.2860	131458.7700	1161332.8000	55.0002
5	18:58:51	978244.4600	273108.1300	3698.3205	267092.8000	55822.5960	132712.1500	1167963.2000	45.0001
x		951609.5100	267977.9500	3612.7834	260825.5300	54107.7660	128402.4500	1139682.2000	51.5002
%RSD		2.974	2.561	2.629	2.456	3.555	3.657	3.130	11.691

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:56:24	271744.6300	32202.0990	56646.8800	1834246.2000	495923.7800	1217007.7000	395843.4100	330842.0600
2	18:57:01	284026.6700	33640.2630	59776.1250	1929442.0000	527177.4500	1290174.8000	417137.8200	352271.6000
3	18:57:37	294034.9600	33780.8300	60609.6130	1989072.1000	542256.6100	1330837.1000	429279.2000	361864.8100
4	18:58:14	297862.3500	34579.0940	60670.0500	2019420.4000	552561.5900	1351110.3000	435473.5100	367075.4400
5	18:58:51	298287.1500	34928.0450	61662.2930	2043765.8000	557918.9700	1369572.8000	441722.3500	370144.3100
x		289191.1500	33826.0660	59872.9920	1963189.3000	535167.6800	1311740.6000	423891.2600	356439.6400
%RSD		3.914	3.120	3.212	4.269	4.647	4.621	4.275	4.443

Run	Time	208Pb	209Bi	220Bkg
1	18:56:24	835038.7400	1337261.6000	0.0000
2	18:57:01	880536.1900	1406751.3000	0.0000
3	18:57:37	907874.4300	1450516.5000	2.5000
4	18:58:14	922923.1400	1478012.0000	0.0000
5	18:58:51	928705.7500	1486832.9000	0.0000
x		895015.6500	1431874.8000	0.5000
%RSD		4.286	4.288	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:01:49	244255.4400	30.0001	TM 19272289.0000	TM 2641400.5000	TM 2890510.0000	50696.2390	TM 2275586.1000	524820.4300
2	19:02:25	243346.0700	36.6667	TM 20139238.0000	TM 2733550.1000	TM 3012658.6000	59937.2760	TM 2364579.7000	537100.7600
3	19:03:02	246464.9200	41.6668	TM 20787348.0000	TM 2784448.3000	TM 3058351.3000	65136.0710	TM 2439636.4000	553356.8500
4	19:03:39	248955.6700	30.8334	TM 21210569.0000	TM 2843936.7000	TM 3079841.5000	63181.1070	TM 2483175.7000	555384.0100
5	19:04:16	251147.4900	34.1667	TM 21606562.0000	TM 2915942.9000	TM 3192972.1000	63007.2980	TM 2545638.8000	568718.5900
x		246833.9200	34.6667	TM 20603201.0000	TM 2783855.7000	TM 3046866.7000	60391.5980	TM 2421723.3000	547876.1300
%RSD		1.314	13.662	TM 4.472	TM 3.762	TM 3.602	9.488	TM 4.334	3.120

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:01:49	1145.0787	19352.4450	2165.2813	8727.0673	529137.2400	224403.7800	37815.6070	2597.9049
2	19:02:25	1035.0643	19618.0650	2282.8126	9210.0867	555038.3300	233717.1000	36673.0170	2580.3994
3	19:03:02	1067.5684	20545.2950	2327.8251	9785.7423	564944.4000	240158.9200	37325.9070	2622.9127
4	19:03:39	1107.5736	21156.8230	2332.8265	9630.5616	569427.1100	243830.7700	36833.7240	2605.4072
5	19:04:16	1092.5716	21582.9130	2317.8223	9948.4347	578477.1400	247499.0700	37604.6560	2715.4423
x		1089.5713	20451.1080	2285.3136	9460.3785	559404.8400	237921.9300	37250.5820	2624.4133
%RSD		3.803	4.696	3.058	5.214	3.380	3.830	1.314	2.024

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:01:49	3965.9435	13260.5420	6515.0458	424432.6700	3840.0512	895.8815	93.3339	62.5002
2	19:02:25	4083.5003	13553.5130	6324.8994	442085.8900	3990.1217	930.0519	106.6674	47.5001
3	19:03:02	3960.9411	13631.1390	6527.5555	447646.2500	4181.0486	922.5511	110.8341	75.8337
4	19:03:39	4013.4662	14061.8540	6627.6345	457838.1900	4259.4216	988.3919	105.0007	76.6670
5	19:04:16	3868.3977	14455.0260	6737.7227	460153.1200	4280.2656	915.0502	116.6675	75.0003
x		3978.4498	13792.4150	6546.5716	446431.2200	4110.1818	930.3853	106.5007	67.5003
%RSD		1.981	3.396	2.337	3.212	4.610	3.743	8.102	18.662

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	19:01:49	911711.3700	471.2633	165.0016	456.2625	2217.7951	5252.9051	1039993.6000	87.5005
2	19:02:25	940212.6400	590.0209	152.5014	553.7684	2365.3356	5643.1601	1097531.7000	120.0009
3	19:03:02	968339.0500	642.5248	170.0017	610.0223	2444.1084	5738.2250	1122804.7000	100.0006
4	19:03:39	988320.9100	577.5200	185.0021	570.0195	2340.3286	5947.1213	1150838.0000	117.5008
5	19:04:16	1005818.0000	561.2689	167.5017	588.7708	2409.0982	5799.5174	1167748.5000	110.0007
x		962880.3900	568.5196	168.0017	555.7687	2355.3332	5676.1858	1115783.3000	107.0007
%RSD		3.904	10.961	6.932	10.698	3.678	4.600	4.494	12.517

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:01:49	11350.2240	19116.9020	33374.1970	1846801.8000	1690.1714	4039.7289	75919.2560	66650.4760
2	19:02:25	12081.2510	20284.6580	35681.2260	1949884.5000	1786.4415	4234.8258	80289.9340	69906.9950
3	19:03:02	12509.3820	21179.3800	36381.7450	2010226.7000	1736.4309	4452.4391	82594.7960	72836.9280
4	19:03:39	12699.6700	20718.2230	37702.5970	2055638.9000	1723.9283	4121.0187	83920.4410	72592.3070
5	19:04:16	13070.2420	21487.6680	37956.2440	T 2127160.5000	1741.4319	4123.5200	86625.4100	74887.4830
x		12342.1540	20557.3660	36219.2020	T 1997942.5000	1735.6808	4194.3065	81869.9670	71374.8380
%RSD		5.341	4.503	5.096	T 5.328	2.000	3.817	4.933	4.454

Run	Time	208Pb	209Bi	220Bkg
1	19:01:49	164727.1700	1198979.6000	0.0000
2	19:02:25	173951.8000	1259810.0000	0.0000
3	19:03:02	179775.9700	1298355.0000	0.0000
4	19:03:39	184607.3900	1329544.3000	0.0000
5	19:04:16	187495.8200	1352768.6000	0.0000
x		178111.6300	1287891.5000	0.0000
%RSD		5.096	4.715	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:07:14	241243.7600	21847.7690	TM 19560503.0000	TM 2646453.5000	TM 2906158.2000	975571.6700	TM 2298605.8000	527741.5200
2	19:07:51	241248.0400	22031.5850	TM 20265285.0000	TM 2737316.9000	TM 2988247.4000	996322.4100	TM 2397134.4000	541233.1900
3	19:08:27	239668.4300	21710.7450	TM 20763538.0000	TM 2792831.8000	TM 3068180.7000	988618.2700	TM 2467097.8000	545788.8900
4	19:09:04	241216.3100	21443.3870	TM 21375414.0000	TM 2856661.3000	TM 3111045.1000	1009925.6000	TM 2502711.2000	553124.6700
5	19:09:41	240180.3600	21681.5020	TM 21148862.0000	TM 2841892.5000	TM 3103255.8000	992914.3600	TM 2523018.0000	557776.1200
x		240711.3800	21742.9970	TM 20622720.0000	TM 2775031.2000	TM 3035377.5000	992670.4600	TM 2437713.5000	545132.8800
%RSD		0.308	0.999	TM 3.530	TM 3.090	TM 2.869	1.254	TM 3.746	2.135

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:07:14	1197.5860	1338869.1000	476282.5600	37998.9380	2192115.6000	657063.9800	51078.5630	1655850.8000
2	19:07:51	1140.0780	1370155.5000	487708.3200	39033.7040	2265434.1000	673544.9700	49041.3800	1708246.8000
3	19:08:27	1067.5684	1395165.5000	494361.1600	39536.0640	2307009.3000	693368.4800	49021.2620	1735081.5000
4	19:09:04	1102.5729	1410495.9000	501337.4800	40025.8940	T 2307962.9000	705968.2900	47678.5050	1755104.8000
5	19:09:41	995.0594	1420636.5000	501154.4500	40681.5580	T 2332901.6000	711940.7200	47117.8300	1767268.8000
x		1100.5729	1387064.5000	492168.7900	39455.2320	T 2281084.7000	688377.2900	48787.5080	1724310.5000
%RSD		6.920	2.378	2.136	2.577	T 2.425	3.321	3.140	2.570

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:07:14	345637.2800	430494.5500	206807.2000	671012.3900	20439.2020	2007.7418	600.8550	60.8336
2	19:07:51	355864.5300	440565.9800	212382.3200	687842.5000	20821.8140	2007.7418	605.8554	76.6670
3	19:08:27	361063.6600	452534.9700	215018.6500	701512.0300	21410.8030	2066.9230	565.0191	80.0004
4	19:09:04	365981.3600	455299.6200	218764.2700	715798.6200	21546.9870	2113.6013	590.8543	77.5004
5	19:09:41	360304.3300	454785.1400	219693.2300	718273.5800	21508.5550	2066.0894	613.3559	74.1670
x		357770.2300	446736.0500	214533.1300	698887.8200	21145.4720	2052.4195	595.1879	73.8337
%RSD		2.145	2.436	2.434	2.833	2.325	2.197	3.149	10.239

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	19:07:14	908549.9400	114878.9100	1677.6689	111987.4500	25976.6740	61069.2000	1046737.3000	97.5006
2	19:07:51	938547.1500	118952.9700	1817.6982	115037.3200	26858.2120	63790.7240	1091112.5000	112.5008
3	19:08:27	971306.4200	121617.2700	1787.6917	119234.4500	27803.8060	65521.5760	1123414.3000	120.0009
4	19:09:04	985356.2200	124550.1100	1782.6907	120739.6400	28142.4400	66762.6180	1146787.4000	170.0017
5	19:09:41	1007082.9000	125025.9100	1887.7138	121361.0700	28319.2870	67329.6530	1159053.3000	152.5014
x		962168.5400	121005.0300	1790.6926	117671.9900	27420.0840	64894.7540	1113421.0000	130.5011
%RSD		4.049	3.478	4.234	3.418	3.590	3.903	4.076	22.885

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:07:14	142498.0100	664246.2300	1183455.0000	1836217.9000	113212.5900	272045.4600	114318.7900	93992.0980
2	19:07:51	148552.3700	693097.2500	1230989.1000	1935843.2000	119159.6400	286398.3000	118856.6100	98222.9740
3	19:08:27	152520.5900	712063.0400	1277281.6000	2010860.9000	123549.1200	299426.9500	124772.1400	102779.9400
4	19:09:04	156918.6300	727409.8400	1298376.8000	2050495.0000	126551.1700	304447.7900	126799.9100	104723.9200
5	19:09:41	158212.7500	733481.5000	1322486.1000	2081802.9000	127527.1300	308333.0500	128114.7900	107306.4600
x		151740.4700	706059.5700	1262517.7000	1983044.0000	121999.9300	294130.3100	122572.4500	101405.0800
%RSD		4.231	3.981	4.400	4.971	4.831	5.054	4.746	5.237

Run	Time	208Pb	209Bi	220Bkg
1	19:07:14	236632.6700	1188664.2000	0.0000
2	19:07:51	249901.7000	1244618.5000	0.0000
3	19:08:27	257337.9500	1292348.7000	0.0000
4	19:09:04	263490.8100	1327065.6000	0.0000
5	19:09:41	268654.3100	1343925.6000	0.0000
x		255203.4900	1279324.5000	0.0000
%RSD		4.906	4.951	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:12:39	266906.9900	28.3334	T 4342041.5000	594580.9300	660957.0100	18668.3870	M 471335.3300	569385.6600
2	19:13:15	270967.4200	40.0001	T 4512683.1000	616371.9200	681339.4700	22573.0310	M 487300.4600	580893.0700
3	19:13:52	270993.2400	45.0001	T 4610185.9000	623881.0000	688493.0700	23831.5280	M 499467.5600	593781.8700
4	19:14:28	271507.9300	39.1668	T 4663025.0000	629980.2000	695652.5700	21131.7590	M 502096.1800	595410.9200
5	19:15:05	271120.6200	29.1667	T 4691638.5000	633411.2100	700189.9800	18372.7310	M 503948.1000	597144.8800
x		270299.2400	36.3334	T 4563914.8000	619645.0500	685326.4200	20915.4870	M 492829.5300	587323.2800
%RSD		0.706	20.034	T 3.101	2.491	2.246	11.418	M 2.771	2.027

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:12:39	747.5335	6184.7942	1795.1933	4070.9941	116321.2100	137162.0900	9978.4706	1067.5684
2	19:13:15	727.5318	6675.1724	1750.1838	4233.5751	118808.4300	142632.7900	9405.3046	1352.6098
3	19:13:52	652.5255	6817.7878	1940.2258	4391.1566	121844.3000	144860.7300	8827.1727	1340.1077
4	19:14:28	555.0185	6557.5791	1800.1944	4328.6239	122897.0900	143970.5000	8724.5647	1180.0835
5	19:15:05	545.0178	6217.3184	1772.6885	4368.6448	123962.7000	143489.8100	8476.8092	832.5416
x		645.5254	6490.5304	1811.6972	4278.5989	120766.7500	142423.1800	9082.4644	1154.5822
%RSD		14.588	4.315	4.115	3.056	2.602	2.141	6.668	18.655

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:12:39	1015.0618	3723.3316	1637.6609	100029.2700	806.7057	916.7171	68.3336	69.1670
2	19:13:15	1082.5703	3928.4257	1795.1933	103556.9700	897.5483	942.5533	64.1669	50.8335
3	19:13:52	1095.0719	3788.3609	1805.1955	105554.3000	892.5478	927.5516	65.0003	55.0002
4	19:14:28	1050.0662	3630.7908	1657.6649	106356.9000	930.0519	982.5579	57.5002	45.0001
5	19:15:05	997.5597	3643.2962	1742.6822	107157.0600	901.7155	960.0553	60.8336	59.1669
x		1048.0660	3742.8411	1727.6794	104530.9000	885.7138	945.8871	63.1669	55.8335
%RSD		4.004	3.255	4.464	2.727	5.251	2.769	6.557	16.316

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	19:12:39	979197.2200	222.5030	52.5002	205.0025	528.7668	1208.8377	1149001.0000	42.5001
2	19:13:15	1021860.0000	335.0067	35.0001	297.5053	576.2699	1266.3462	1205574.7000	37.5001
3	19:13:52	1043284.4000	353.7575	45.0001	356.2576	608.7722	1312.6034	1229931.2000	40.0001
4	19:14:28	1054432.9000	301.2555	42.5001	251.2538	601.2717	1403.8682	1248101.3000	40.0001
5	19:15:05	1066625.6000	210.0026	40.0001	198.7524	516.2660	1313.8536	1265662.9000	45.0001
x		1033080.0000	284.5051	43.0001	261.7543	566.2693	1301.1018	1219654.2000	41.0001
%RSD		3.323	22.929	15.049	25.276	7.408	5.512	3.717	6.952

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:12:39	2690.4342	4301.1097	7590.9558	1939076.6000	620.0231	1348.8592	16473.7670	14442.5040
2	19:13:15	2903.0056	4638.7907	8038.8755	2048789.4000	616.2728	1486.3825	16942.2050	15304.0400
3	19:13:52	2827.9798	4751.3541	8384.2156	2112044.5000	548.7681	1438.8742	18132.2050	15567.0260
4	19:14:28	2930.5152	4631.2866	8384.2156	T 2178712.2000	541.2676	1351.3596	18400.2920	15917.6880
5	19:15:05	3040.5546	4543.7384	7956.2963	2170732.4000	485.0141	1168.8320	18300.0720	16145.6260
x		2878.4979	4573.2559	8070.9118	T 2089871.0000	562.2691	1358.8615	17649.7080	15475.3770
%RSD		4.513	3.697	4.113	T 4.746	10.078	8.932	4.990	4.273

Run	Time	208Pb	209Bi	220Bkg
1	19:12:39	35776.6340	1349334.0000	0.0000
2	19:13:15	37742.7780	1431985.2000	0.0000
3	19:13:52	39033.7040	1479680.4000	0.0000
4	19:14:28	40249.4670	1500645.4000	0.0000
5	19:15:05	39870.1500	1519259.6000	0.0000
x		38534.5470	1456180.9000	0.0000
%RSD		4.715	4.672	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:18:05	259054.9400	18.3334	T8979132.0000	1250559.7000	1381836.7000	101061.6100	M922441.4300	564296.3800
2	19:18:42	257200.4700	25.0000	T9360113.7000	1288657.2000	1427287.3000	104992.2600	M954766.2400	573316.9500
3	19:19:18	255812.8900	23.3334	T9494543.8000	1308839.8000	1454991.6000	105432.7700	M975921.8400	580368.3300
4	19:19:55	256029.3900	25.8334	T9581977.7000	T1297306.8000	T1412811.1000	104706.2000	M988006.7200	581583.8400
5	19:20:32	258267.7300	17.5000	T9692251.6000	1328350.8000	1453980.8000	103374.7300	M988949.3100	584798.8000
x		257273.0800	22.0000	T9421603.8000	T1294742.9000	T1426181.5000	103913.5100	M966017.1100	576872.8600
%RSD		0.544	17.482	T2.925	T2.226	T2.147	1.703	M2.897	1.419

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:18:05	1785.1912	39332.6050	3223.1232	16270.8690	163008.8700	347205.4900	21778.4210	1212.5882
2	19:18:42	1557.6456	39114.0800	3105.5786	17090.0060	167662.3400	360974.9300	20615.4680	1360.1110
3	19:19:18	1652.6639	39772.1840	2965.5276	17315.4710	170425.0400	366728.1400	20673.1110	1347.6090
4	19:19:55	1532.6409	40068.5990	3160.5992	17488.3310	171249.1800	369042.0000	20016.5110	1227.5904
5	19:20:32	1432.6231	39855.0780	3033.0519	17746.3760	172989.5800	369162.1500	19951.3550	1177.5832
x		1592.1529	39628.5090	3097.5761	17182.2110	169067.0000	362622.5400	20606.9730	1265.0964
%RSD		8.374	0.992	3.284	3.278	2.303	2.547	3.562	6.573

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:18:05	1430.1227	7118.0387	3513.2404	42113.6450	7884.5615	862.5446	62.5002	40.0001
2	19:18:42	1527.6400	7205.6139	3393.1907	43435.4040	8272.4373	905.0491	84.1671	53.3335
3	19:19:18	1320.1046	7168.0816	3548.2552	44867.9640	8212.3779	902.5489	80.8337	62.5002
4	19:19:55	1407.6189	7150.5665	3740.8394	44546.2450	8194.0265	844.2094	78.3337	53.3335
5	19:20:32	1332.6065	7410.7937	3535.7499	45121.8290	8413.4117	826.7077	84.1671	61.6669
x		1403.6185	7210.6189	3546.2551	44017.0170	8195.3630	868.2120	78.0004	54.1668
%RSD		5.973	1.613	3.525	2.825	2.366	4.018	11.546	16.712

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	19:18:05	950181.4400	522.5164	15.0000	487.5143	158.7515	396.2594	1121047.6000	85.0004
2	19:18:42	990910.5700	585.0205	30.0001	560.0188	153.7514	421.2607	1169363.1000	102.5006
3	19:19:18	1002855.8000	598.7715	30.0001	575.0198	172.5018	430.0111	1199447.9000	110.0007
4	19:19:55	1018318.2000	598.7715	5.0000	675.0273	181.2520	420.0106	1221742.6000	122.5009
5	19:20:32	1035688.7000	632.5240	35.0001	590.0209	207.5026	467.5131	1236208.8000	95.0005
x		999590.9500	587.5208	23.0000	577.5202	174.7518	427.0110	1189562.0000	103.0006
%RSD		3.234	6.867	54.565	11.641	12.196	6.059	3.855	13.880

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:18:05	9097.4631	42450.3470	76327.9640	1906547.9000	383.7588	932.5522	89250.3920	77910.0040
2	19:18:42	9983.4766	44787.5330	78798.2970	2003689.6000	513.7658	1045.0655	94270.2130	82675.5910
3	19:19:18	10148.6760	46461.6610	81756.5910	2070702.2000	480.0138	1133.8271	97282.0320	85102.3370
4	19:19:55	10303.8660	47077.6030	82468.5550	2106454.0000	433.7613	1097.5723	98954.0470	86140.4210
5	19:20:32	10426.5190	47371.7630	83867.4120	T2178891.6000	433.7613	990.0588	100993.2900	87971.9050
x		9992.0001	45629.7820	80643.7640	T2053257.0000	449.0122	1039.8152	96149.9950	83960.0520
%RSD		5.274	4.470	3.771	T5.044	11.067	7.781	4.759	4.628

Run	Time	208Pb	209Bi	220Bkg
1	19:18:05	194324.6100	1324280.3000	0.0000
2	19:18:42	206012.8900	1391763.2000	0.0000
3	19:19:18	213336.2300	1441959.6000	0.0000
4	19:19:55	217081.1000	1469010.2000	0.0000
5	19:20:32	218346.0100	1490877.8000	0.0000
x		209820.1700	1423578.2000	0.0000
%RSD		4.720	4.686	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:23:31	254050.1800	11.6667	TM 20265008.0000	TM 2742760.5000	TM 3005263.4000	56432.9360	TM 2338727.4000	525228.7400
2	19:24:08	251974.4000	16.6667	TM 20994340.0000	TM 2809093.5000	TM 3059440.9000	57273.6420	TM 2417760.4000	537401.7700
3	19:24:44	254736.5000	20.8334	TM 21589703.0000	TM 2867571.3000	TM 3100775.3000	60476.1480	TM 2483667.8000	543190.8600
4	19:25:21	251734.8200	15.0000	TM 21946182.0000	TM 2867456.4000	TM 3161907.5000	58111.9160	TM 2507565.2000	551327.4900
5	19:25:57	253912.7500	6.6667	TM 22035810.0000	TM 2905790.9000	TM 3140116.0000	56583.9550	TM 2545146.7000	553450.2500
x		253281.7300	14.1667	TM 21366209.0000	TM 2838534.5000	TM 3093500.6000	57775.7190	TM 2458573.5000	542119.8200
%RSD		0.530	37.665	TM 3.460	TM 2.245	TM 2.035	2.855	TM 3.314	2.107

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:23:31	1227.5904	21440.0450	2067.7565	8364.1955	505784.5000	226537.8700	38493.7010	2520.3811
2	19:24:08	1052.5665	22076.7040	2337.8279	8842.1886	515424.0600	231267.6600	38875.4670	2465.3646
3	19:24:44	1070.0687	22964.0970	2280.3119	9052.4141	533055.5100	235074.4900	35317.1800	2545.3887
4	19:25:21	1030.0637	22515.3750	2435.3558	9532.9495	541563.6600	238463.7700	35932.3010	2550.3902
5	19:25:57	1022.5627	22460.2270	2107.7665	9117.4850	546090.2000	239508.0900	34985.7860	2445.3587
x		1080.5704	22291.2900	2245.8037	8981.8465	528383.5900	234170.3800	36720.8870	2505.3767
%RSD		7.801	2.559	6.911	4.750	3.261	2.284	4.982	1.899

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:23:31	4146.0311	12414.2400	6575.0929	390101.9400	3825.0443	861.7112	93.3339	59.1669
2	19:24:08	4173.5448	12589.5030	6449.9952	399769.3200	3936.7630	900.0486	103.3340	72.5003
3	19:24:44	4048.4832	12947.5510	6322.3975	408565.9200	4098.5076	882.5467	106.6674	58.3335
4	19:25:21	3895.9105	13157.8800	6730.2167	413991.6000	4083.5003	890.0475	116.6675	67.5003
5	19:25:57	3875.9011	13663.6930	6682.6784	415291.4400	4131.0237	866.7117	95.8339	65.0003
x		4027.9742	12954.5730	6552.0761	405544.0400	4014.9678	880.2132	103.1673	64.5003
%RSD		3.425	3.800	2.559	2.608	3.231	1.814	9.002	9.163

Run	Time	89Y	107Ag	108Ho O	109Ag	111Cd	114Cd	115In	118Sn
1	19:23:31	897201.0000	346.2572	125.0009	402.5097	2055.2534	4983.9900	1038554.6000	157.5015
2	19:24:08	946470.0800	515.0159	150.0014	452.5123	2317.8223	5391.7437	1090286.7000	157.5015
3	19:24:44	966920.1000	507.5154	160.0015	486.2642	2275.3106	5630.6516	1129996.5000	200.0024
4	19:25:21	987044.5900	475.0135	137.5011	466.2630	2420.3514	5645.6618	1152318.1000	190.0022
5	19:25:57	994590.1500	471.2633	180.0019	332.5066	2290.3147	5529.3338	1164334.0000	207.5026
x		958445.1800	463.0131	150.5014	428.0112	2271.8105	5436.2762	1115098.0000	182.5020
%RSD		4.071	14.699	14.017	14.416	5.882	5.011	4.596	12.960

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:23:31	10987.2380	18470.4470	32751.7340	1835792.7000	1205.0871	2832.9815	76724.0770	67308.2310
2	19:24:08	12096.2730	19387.5260	34852.7310	1932554.9000	1276.3477	3104.3281	82380.1870	71563.4660
3	19:24:44	12336.6250	20206.9700	36165.8080	2039188.9000	1416.3704	3280.6456	85564.5340	74352.7260
4	19:25:21	12697.1660	20658.0740	36946.7220	2088853.9000	1401.3678	3411.9483	88037.5940	75846.0940
5	19:25:57	13170.3990	21367.3590	36763.4140	2104985.5000	1345.1086	3375.6836	89207.4360	78497.9830
x		12257.5400	20018.0750	35496.0820	2000275.2000	1328.8563	3201.1174	84382.7650	73513.7000
%RSD		6.668	5.618	4.901	5.698	6.652	7.428	5.946	5.823

Run	Time	208Pb	209Bi	220Bkg
1	19:23:31	166203.5500	1187797.7000	0.0000
2	19:24:08	176637.4100	1257959.2000	0.0000
3	19:24:44	184975.4200	1318753.0000	0.0000
4	19:25:21	192165.4000	1344178.2000	0.0000
5	19:25:57	193595.4300	1359818.4000	0.0000
x		182715.4400	1293701.3000	0.0000
%RSD		6.254	5.471	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:28:55	246466.6400	20.0000	TM 20221892.0000	TM 2707802.4000	TM 2949300.8000	43332.3700	TM 2331479.7000	527544.6200
2	19:29:32	247899.8900	11.6667	TM 20909354.0000	TM 2776662.0000	TM 3043792.7000	44196.8920	TM 2417707.2000	537088.7700
3	19:30:09	250700.1500	13.3333	TM 21318903.0000	TM 2808174.7000	TM 3071565.3000	44878.0180	TM 2440700.3000	539325.2600
4	19:30:45	250387.6300	11.6667	TM 21510491.0000	TM 2839067.4000	TM 3109746.9000	45207.2900	TM 2468268.1000	542399.2100
5	19:31:22	247150.6200	11.6667	TM 21768705.0000	TM 2858475.8000	TM 3061480.9000	44812.6670	TM 2485010.9000	547514.2400
x		248520.9800	13.6667	TM 21145869.0000	TM 2798036.5000	TM 3047177.3000	44485.4470	TM 2428633.2000	538774.4200
%RSD		0.772	26.438	TM 2.858	TM 2.117	TM 1.963	1.665	TM 2.475	1.373

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:28:55	1232.5912	22903.9320	2252.8045	7696.0521	466364.5400	211108.0500	38232.5030	2507.8773
2	19:29:32	1097.5723	23164.6510	2330.3258	8068.9045	477930.5100	215308.4900	36748.3480	2447.8595
3	19:30:09	1102.5729	23254.9020	2275.3106	8269.1006	487472.6100	215436.7400	35174.0770	2472.8668
4	19:30:45	1072.5690	23941.8430	2205.2918	8259.0907	489620.7100	216365.3400	33901.3180	2317.8223
5	19:31:22	1060.0674	23738.7640	2295.3161	8206.5388	496402.2900	218112.5100	33067.9800	2330.3258
x		1113.0746	23400.8190	2271.8097	8099.9374	483558.1300	215266.2300	35424.8450	2415.3503
%RSD		6.206	1.827	2.062	2.957	2.412	1.199	5.917	3.566

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:28:55	4023.4711	11873.4530	5989.6518	360061.6700	3849.2221	840.0423	103.3340	69.1670
2	19:29:32	3998.4590	12161.3670	6022.1752	368715.5200	3867.5639	876.7128	90.8338	45.8335
3	19:30:09	3790.8620	11953.5670	5807.0226	371745.7900	3860.0605	825.0408	109.1674	55.0002
4	19:30:45	3655.8017	12324.1060	6122.2481	377077.5000	3945.9340	856.7107	94.1672	58.3335
5	19:31:22	3855.8919	11956.0710	5819.5313	378850.2500	4045.1482	839.2089	95.8339	56.6669
x		3864.8971	12053.7130	5952.1258	371290.1400	3913.5857	847.5431	98.6673	57.0002
%RSD		3.930	1.534	2.283	2.014	2.118	2.335	7.545	14.642

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	19:28:55	916740.8400	340.0069	152.5014	340.0069	2095.2634	4826.3972	1063346.0000	37.5001
2	19:29:32	945311.4800	315.0059	127.5010	317.5061	2170.2826	5142.8364	1108302.2000	47.5001
3	19:30:09	970088.5600	350.0073	130.0010	325.0063	2204.0414	5125.3257	1130164.6000	75.0003
4	19:30:45	982504.6600	368.7582	165.0016	333.7567	2018.9946	5297.9336	1142436.1000	70.0003
5	19:31:22	987933.7900	372.5083	167.5017	377.5086	2202.7911	5326.7019	1164136.6000	62.5002
x		960515.8600	349.2573	148.5013	338.7569	2138.2746	5143.8390	1121677.1000	58.5002
%RSD		3.068	6.685	12.744	6.874	3.741	3.867	3.420	26.791

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:28:55	11159.9680	19069.2930	33815.9720	1888936.3000	1200.0864	2995.5383	58210.0970	50633.3580
2	19:29:32	11703.2120	19643.1240	35497.9460	1977605.4000	1345.1086	3165.6011	60063.1780	52454.5710
3	19:30:09	12118.8060	20660.5800	35593.3510	2030589.3000	1353.8600	3163.1002	62357.4370	54228.3710
4	19:30:45	12434.2700	20856.0660	36416.8980	2068752.8000	1322.6049	3393.1907	63367.5140	55677.8820
5	19:31:22	12374.1800	21111.7080	37351.0190	2111993.7000	1440.1244	3340.6695	64657.3650	55994.9960
x		11958.0870	20268.1540	35735.0370	2015575.5000	1332.3569	3211.6200	61731.1180	53797.8360
%RSD		4.440	4.301	3.658	4.284	6.481	4.942	4.194	4.194

Run	Time	208Pb	209Bi	220Bkg
1	19:28:55	124475.2500	1225946.9000	0.0000
2	19:29:32	131057.5200	1292965.6000	0.0000
3	19:30:09	134532.2400	1323705.0000	0.0000
4	19:30:45	138315.9300	1347974.3000	0.0000
5	19:31:22	139785.1400	1374325.8000	0.0000
x		133633.2200	1312983.5000	0.0000
%RSD		4.599	4.355	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:34:18	256649.7100	127778.0100	605362.1600	81435.9740	89578.8890	525093.0800	15534.4660	550556.4300
2	19:34:55	251176.6800	124433.8100	619550.1100	82713.4640	92626.9400	521189.0700	15977.8030	553474.2700
3	19:35:31	253970.3000	124112.4000	629247.8500	83248.7550	91160.9060	519580.6400	15955.2600	553911.9700
4	19:36:08	251421.4000	122081.0600	628160.2200	83986.0980	92829.1710	523646.1500	16140.6160	558388.9300
5	19:36:44	249535.9800	123141.4900	635566.3900	83678.0220	91742.2340	520396.7800	16383.5900	561433.6400
x		252550.8100	124309.3500	623577.3500	83012.4630	91587.6280	521981.1400	15998.3470	555553.0500
%RSD		1.104	1.726	1.872	1.208	1.430	0.443	1.942	0.777

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:34:18	662.5263	681802.6500	663859.6800	62168.5340	882498.3700	1070336.8000	23924.2930	918933.7900
2	19:34:55	447.5120	689281.9500	675114.6800	64743.0260	896928.9200	1083657.3000	24343.0030	927858.7300
3	19:35:31	427.5110	690539.9800	676089.1200	64811.0520	911113.4700	1095589.3000	24215.1310	933098.1700
4	19:36:08	437.5115	694456.2000	684113.5000	65367.8760	916888.3200	1104595.0000	25042.5710	939872.2600
5	19:36:44	362.5079	702437.8500	689794.3600	66292.6380	919072.9600	1098815.5000	23929.3070	938045.0600
x		467.5137	691703.7300	677794.2700	64676.6250	905300.4100	1090598.8000	24290.8610	931561.6000
%RSD		24.378	1.092	1.453	2.371	1.700	1.253	1.885	0.909

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:34:18	201960.4800	506442.7200	240640.0100	143629.6900	112258.5600	31917.6740	12886.6230	51.6668
2	19:34:55	204365.5600	511914.8600	244036.6700	146183.5300	113754.4700	32241.4170	13256.3690	48.3335
3	19:35:31	206545.8400	511760.8200	244484.5100	146130.1000	114663.4700	32402.0380	13361.5370	60.0002
4	19:36:08	205971.8900	518897.4900	246572.1900	147397.1300	114873.8400	32656.3610	13664.5270	51.6668
5	19:36:44	205887.3400	518921.4100	246391.9800	148621.0800	116013.6300	32755.9170	13346.5130	43.3334
x		204946.2200	513587.4600	244425.0700	146392.3100	114312.8000	32394.6810	13303.1140	51.0002
%RSD		0.905	1.039	0.980	1.265	1.226	1.035	2.098	11.918

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	19:34:18	968789.6900	703366.4900	8872.2205	679627.8200	138989.5000	330961.6700	1144645.8000	50.0001
2	19:34:55	991642.9900	724074.8300	9217.5950	702602.1200	143781.0200	343358.4100	1185803.9000	40.0001
3	19:35:31	1013807.2000	732940.6200	9152.5234	709695.8200	145678.5500	348298.4600	1210601.2000	35.0001
4	19:36:08	1016187.7000	739504.2200	9487.8981	716649.8200	147850.0500	354083.5200	1215829.1000	60.0002
5	19:36:44	1023014.6000	741775.9100	9640.5732	721618.6200	147942.9200	355692.4100	1239085.2000	30.0001
x		1002688.4000	728332.4100	9274.1620	706038.8400	144848.4100	346478.8900	1199193.0000	43.0001
%RSD		2.225	2.136	3.233	2.325	2.554	2.874	2.993	28.004

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:34:18	361979.6400	87196.3180	153505.9400	1937721.4000	641695.4100	1579597.3000	532618.8800	427159.3300
2	19:34:55	373938.1800	90344.5880	158457.3400	2029629.7000	672738.5800	1662764.9000	558909.6600	447345.7400
3	19:35:31	383812.2500	92505.6030	162871.2200	2072083.2000	690958.9100	1700393.5000	575621.7300	463485.3900
4	19:36:08	389588.7500	93228.5930	164569.0900	r2137438.6000	698235.7800	1725372.4000	586639.1400	471057.7800
5	19:36:44	396094.9500	94603.9640	166751.8400	2116234.8000	707550.6700	1753816.0000	593765.7800	474198.6100
x		381082.7500	91575.8130	161231.0900	r2058621.5000	682235.8700	1684388.8000	569511.0400	456649.3700
%RSD		3.523	3.158	3.277	r3.853	3.813	4.005	4.294	4.267

Run	Time	208Pb	209Bi	220Bkg
1	19:34:18	1094323.0000	1407170.2000	2.5000
2	19:34:55	1152881.1000	1484641.3000	0.0000
3	19:35:31	1173567.2000	1514523.6000	0.0000
4	19:36:08	1196380.2000	1533959.2000	0.0000
5	19:36:44	1211044.2000	1559538.0000	0.0000
x		1165639.1000	1499966.5000	0.5000
%RSD		3.912	3.910	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:39:42	256843.8900	27.5000	215.0028	10.0000	50.0001	2280.3119	287.5050	549133.2300
2	19:40:18	259473.5000	25.0000	1930.2235	250.0038	160.0015	2920.5117	472.5134	568507.3900
3	19:40:55	259512.1700	25.8334	5817.0296	730.0320	860.0444	4541.2370	955.0547	573100.2800
4	19:41:32	261714.4700	49.1668	6897.8536	795.0379	1240.0923	5081.5489	882.5467	582542.4500
5	19:42:09	262249.2200	40.8334	6612.6226	970.0565	1055.0668	5156.5949	867.5452	583774.3300
x		259958.6500	33.6667	4294.5464	551.0260	673.0410	3996.0409	693.0330	571411.5300
%RSD		0.827	32.064	70.533	73.185	79.800	32.922	42.567	2.451

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:39:42	577.5200	377.5086	1175.0828	2595.4041	130.0010	97507.1410	1102.5729	62.5002
2	19:40:18	467.5131	380.0087	1302.6018	2535.3856	295.0052	100636.5200	1047.5658	120.0009
3	19:40:55	475.0135	602.5218	1395.1168	2457.8624	507.5154	104640.3800	1040.0649	302.5055
4	19:41:32	395.0094	630.0238	1405.1185	2855.4891	560.0188	105822.6700	987.5585	262.5041
5	19:42:09	422.5107	592.5211	1392.6164	2552.8910	512.5158	104665.6900	1082.5703	332.5066
x		467.5134	516.5168	1334.1072	2599.4065	401.0113	102654.4800	1052.0665	216.0035
%RSD		14.912	24.492	7.351	5.831	45.598	3.395	4.199	54.776

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:39:42	17.5000	725.0315	167.5017	245.0036	9.1667	739.1994	45.8335	34.1667
2	19:40:18	35.0001	725.0315	190.0022	330.0065	19.1667	833.3750	50.0001	37.5001
3	19:40:55	112.5008	812.5396	177.5019	382.5088	48.3335	855.8773	50.0001	48.3335
4	19:41:32	80.0004	917.5505	225.0030	415.0103	55.8335	865.8783	55.0002	57.5002
5	19:42:09	102.5006	695.0290	190.0022	352.5075	39.1668	805.8723	55.0002	51.6668
x		69.5004	775.0364	190.0022	345.0073	34.3334	820.0405	51.1668	45.8335
%RSD		59.944	11.740	11.433	18.666	57.243	6.188	7.604	21.320

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	19:39:42	966041.4100	98.7506	5.0000	86.2504	5.0000	12.5000	1136535.0000	22.5000
2	19:40:18	1008876.7000	118.7509	0.0000	100.0006	13.7500	33.7501	1207880.6000	30.0001
3	19:40:55	1041446.9000	228.7531	7.5000	182.5020	36.2501	77.5004	1232574.9000	27.5000
4	19:41:32	1058495.3000	282.5048	5.0000	203.7525	60.0002	105.0007	1266033.4000	47.5001
5	19:42:09	1061439.3000	226.2531	5.0000	225.0030	33.7501	86.2504	1267663.0000	30.0001
x		1027259.9000	191.0025	4.5000	159.5017	29.7501	63.0003	1222137.4000	31.5001
%RSD		3.903	41.201	60.858	39.258	72.130	61.068	4.414	30.012

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:39:42	797.5382	2.5000	2.5000	1906606.9000	81.2504	196.2523	105.0007	67.5003
2	19:40:18	915.0502	27.5000	40.0001	2018889.3000	125.0009	296.2553	155.0014	127.5010
3	19:40:55	870.0454	52.5002	87.5005	τ2146299.6000	266.2543	651.2754	185.0021	155.0014
4	19:41:32	862.5446	75.0003	97.5006	τ2191071.0000	277.5046	665.0265	250.0038	215.0028
5	19:42:09	662.5263	60.0002	110.0007	τ2217725.7000	227.5031	615.0227	250.0038	247.5037
x		821.5410	43.5002	67.5004	τ2096118.5000	195.5027	484.7665	189.0023	162.5018
%RSD		11.963	65.854	66.615	τ6.229	44.868	45.659	33.117	43.826

Run	Time	208Pb	209Bi	220Bkg
1	19:39:42	152.5014	1394785.2000	0.0000
2	19:40:18	240.0035	1485127.6000	0.0000
3	19:40:55	500.0150	1545052.2000	0.0000
4	19:41:32	485.0141	1568957.5000	0.0000
5	19:42:09	482.5140	1591904.1000	0.0000
x		372.0096	1517165.3000	0.0000
%RSD		43.960	5.216	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:45:06	250599.7000	6.6667	TM 19397436.0000	TM 2630444.5000	TM 2863363.3000	8581.9167	TM 2231767.6000	510678.6100
2	19:45:43	248091.2900	8.3333	TM 20129977.0000	TM 2698063.8000	TM 2948049.0000	9310.1979	TM 2326865.1000	525027.9100
3	19:46:19	245439.4800	13.3333	TM 20628808.0000	TM 2731574.8000	TM 2998841.8000	9497.9095	TM 2381841.1000	526304.8000
4	19:46:56	247609.7800	15.0000	TM 20949745.0000	TM 2760538.1000	TM 2980226.3000	10178.7130	TM 2402919.3000	532869.1400
5	19:47:32	248484.4200	24.1667	TM 21115907.0000	TM 2785413.0000	TM 3036490.2000	10103.6210	TM 2417747.1000	534457.4200
x		248044.9300	13.5000	TM 20444375.0000	TM 2721206.8000	TM 2965394.1000	9534.4716	TM 2352228.0000	525867.5700
%RSD		0.746	50.977	TM 3.402	TM 2.216	TM 2.205	6.833	TM 3.216	1.790

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:45:06	1057.5671	21492.6800	1995.2388	3305.6555	503072.5000	131357.1900	36414.3870	3925.9246
2	19:45:43	880.0465	22532.9230	2007.7418	3308.1565	520885.9700	132047.9800	34694.5730	3880.9035
3	19:46:19	932.5522	22655.7550	2105.2659	3313.1585	527149.5100	133254.4500	31908.4720	3715.8283
4	19:46:56	970.0565	22833.7400	2132.7729	3448.2133	532363.2900	133676.1300	31331.2880	3823.3769
5	19:47:32	917.5505	23420.3650	2235.2998	3545.7542	539770.2300	135751.7800	30990.0160	3870.8988
x		951.5545	22587.0930	2095.2638	3384.1876	524648.3000	133217.5000	33067.7470	3843.3864
%RSD		7.091	3.100	4.699	3.210	2.652	1.271	7.176	2.083

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:45:06	4213.5650	8031.3683	3813.3723	379062.0600	3178.9396	784.2036	98.3339	47.5001
2	19:45:43	4005.9626	7976.3155	4023.4711	394153.5700	3373.1826	833.3750	97.5006	79.1670
3	19:46:19	3700.8216	8011.3491	4256.0866	399423.3000	3313.9922	809.2060	103.3340	75.8337
4	19:46:56	4035.9771	8224.0561	4063.4905	405934.3800	3477.3921	810.8728	100.0006	65.8336
5	19:47:32	3873.4000	7956.2963	3953.4376	407547.8400	3429.0387	785.0370	96.6672	58.3335
x		3965.9453	8039.8771	4021.9716	397224.2300	3354.5090	804.5389	99.1673	65.3336
%RSD		4.828	1.331	4.023	2.888	3.447	2.553	2.657	19.793

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	19:45:06	874685.4900	86.2504	132.5010	87.5005	1826.4501	4494.9620	1011888.7000	55.0002
2	19:45:43	920971.3900	115.0008	187.5021	85.0004	1948.9779	4770.1148	1062138.0000	65.0003
3	19:46:19	937590.4100	112.5008	140.0012	107.5007	2065.2559	4922.7036	1101841.2000	57.5002
4	19:46:56	957773.7800	132.5010	142.5012	123.7509	2152.7780	4816.3915	1111632.6000	65.0003
5	19:47:32	965548.9400	161.2516	145.0013	117.5008	2095.2634	5160.3473	1128371.8000	42.5001
x		931314.0000	121.5009	149.5014	104.2507	2017.7451	4832.9038	1083174.5000	57.0002
%RSD		3.881	22.790	14.550	16.735	6.453	5.001	4.312	16.234

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:45:06	10143.6700	18184.8200	32483.1860	1803083.5000	1150.0794	2601.6561	9084.9495	8016.3539
2	19:45:43	10669.3260	19653.1470	34418.4310	1910032.0000	1168.8320	2840.4840	9823.2864	8143.9775
3	19:46:19	11014.7750	20417.4820	35048.5490	1962097.9000	1155.0800	2956.7745	9875.8485	8604.4399
4	19:46:56	11460.3750	20455.0740	35613.4370	2018911.3000	1265.0960	3029.3005	10131.1550	9067.4304
5	19:47:32	11470.3890	21008.9490	36512.3140	2043034.9000	1238.8421	3154.3469	10431.5250	9042.4032
x		10951.7070	19943.8940	34815.1840	1947431.9000	1195.5859	2916.5124	9869.3528	8574.9210
%RSD		5.134	5.492	4.348	4.919	4.412	7.189	5.071	5.712

Run	Time	208Pb	209Bi	220Bkg
1	19:45:06	19690.7360	1175563.9000	0.0000
2	19:45:43	20888.6470	1249219.2000	0.0000
3	19:46:19	21512.7320	1293566.5000	0.0000
4	19:46:56	22054.1450	1319169.3000	0.0000
5	19:47:32	22515.3750	1335098.7000	0.0000
x		21332.3270	1274523.5000	0.0000
%RSD		5.159	5.033	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:50:31	254091.4100	16.6667	T8748607.6000	1193672.6000	1314215.5000	7853.6991	M877421.9800	528785.9600
2	19:51:07	251717.6400	40.8334	T9074487.1000	1232848.8000	1349008.3000	9272.6561	M906320.6700	539747.5800
3	19:51:44	251173.2500	27.5000	T9208155.1000	1246660.1000	1368360.8000	10704.3710	M929296.4800	545632.9100
4	19:52:20	251002.3800	21.6667	T9314064.2000	1260891.8000	T1345628.2000	9645.5790	M943589.2100	551336.8300
5	19:52:57	250469.1900	26.6667	T9363647.1000	1267952.5000	T1359792.7000	9262.6449	M943111.9400	550359.0100
x		251690.7700	26.6667	T9141792.2000	1240405.1000	T1347401.1000	9347.7899	M919948.0600	543172.4600
%RSD		0.562	33.874	T2.693	2.371	T1.530	10.928	M3.063	1.705

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:50:31	1385.1151	37162.6800	2447.8595	4040.9795	126934.4300	132588.9700	15233.9120	1267.5964
2	19:51:07	1282.5987	37320.8840	2522.8818	4358.6396	129785.3400	132995.3600	14089.4010	1185.0843
3	19:51:44	1240.0923	38129.5330	2612.9096	4453.6898	133160.4700	135794.9700	14224.6300	1422.6214
4	19:52:20	1272.5972	38363.1010	2667.9270	4446.1858	132896.3000	137218.0000	13488.4070	1242.5926
5	19:52:57	1162.5811	38448.4930	2725.4456	4373.6474	135355.4100	137273.9100	13185.4230	1217.5889
x		1268.5969	37884.9380	2595.4047	4334.6284	131626.3900	135174.2400	14044.3550	1267.0967
%RSD		6.336	1.587	4.286	3.911	2.499	1.671	5.625	7.272

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:50:31	1145.0787	1847.7048	977.5573	14855.7300	6236.4994	780.8699	77.5004	35.0001
2	19:51:07	1395.1168	1767.6875	1080.0700	15389.1970	6416.6361	795.8713	56.6669	47.5001
3	19:51:44	1320.1046	1892.7149	940.0530	15572.0360	6570.9229	747.5335	63.3336	45.8335
4	19:52:20	1310.1030	2000.2400	1082.5703	16300.9280	6575.9269	740.8663	71.6670	55.0002
5	19:52:57	1175.0828	1907.7183	957.5550	15784.9360	6694.3544	774.2026	71.6670	40.8334
x		1269.0972	1883.2131	1007.5611	15580.5650	6498.8680	767.8687	68.1669	44.8335
%RSD		8.300	4.521	6.812	3.400	2.720	3.009	11.990	16.698

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	19:50:31	905125.6600	111.2507	17.5000	80.0004	30.0001	48.7501	1083166.7000	60.0002
2	19:51:07	942023.5500	191.2522	15.0000	163.7516	35.0001	80.0004	1126257.4000	47.5001
3	19:51:44	961998.9300	266.2543	10.0000	282.5048	27.5000	95.0005	1159499.4000	40.0001
4	19:52:20	980845.1800	200.0024	15.0000	157.5015	26.2500	80.0004	1174985.2000	47.5001
5	19:52:57	985976.0000	191.2522	10.0000	152.5014	42.5001	73.7503	1191473.7000	57.5002
x		955193.8600	192.0024	13.5000	167.2519	32.2501	75.5004	1147076.5000	50.5002
%RSD		3.445	28.645	24.845	43.549	20.583	22.354	3.755	16.194

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:50:31	8529.3628	40618.7520	72115.6960	1875918.1000	273.7545	591.2710	10744.4220	9565.4868
2	19:51:07	8611.9476	42573.4730	76017.6470	1976576.2000	325.0063	743.7832	11703.2120	10161.1910
3	19:51:44	8854.7018	44000.8590	77352.3450	2038178.1000	421.2607	975.0570	11908.5030	10679.3390
4	19:52:20	9127.4959	44468.3300	80173.8240	2055743.1000	382.5088	891.2977	12076.2440	10626.7710
5	19:52:57	9054.9168	45222.3720	79487.2940	2093217.6000	380.0087	777.5363	12466.8180	10716.8870
x		8835.6850	43376.7570	77029.3610	2007926.6000	356.5078	795.7890	11779.8400	10349.9350
%RSD		2.981	4.194	4.166	4.232	16.151	18.439	5.459	4.760

Run	Time	208Pb	209Bi	220Bkg
1	19:50:31	23703.6640	1318806.9000	0.0000
2	19:51:07	25391.1240	1385666.4000	0.0000
3	19:51:44	26070.7170	1434870.4000	0.0000
4	19:52:20	26476.9950	1462970.6000	0.0000
5	19:52:57	26642.5210	1487986.7000	0.0000
x		25657.0040	1418060.2000	0.0000
%RSD		4.653	4.742	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:55:55	253320.1200	10.8333	TM 20292120.0000	TM 2709731.8000	TM 2987760.6000	10606.7460	TM 2306518.4000	511389.0000
2	19:56:32	249068.9800	10.0000	TM 20880417.0000	TM 2759274.8000	TM 3020401.6000	10967.2120	TM 2386788.2000	517409.0800
3	19:57:08	249048.3800	18.3334	TM 21012214.0000	TM 2792257.6000	TM 3049889.7000	11625.6040	TM 2415725.7000	523273.8200
4	19:57:45	245622.2500	14.1667	TM 21285671.0000	TM 2790626.8000	TM 3057864.5000	11200.0210	TM 2435607.0000	525703.5700
5	19:58:21	248196.8700	16.6667	TM 21599056.0000	TM 2815984.0000	TM 3068203.9000	11277.6260	TM 2457376.6000	529253.0100
x		249051.3200	14.0000	TM 21013896.0000	TM 2773575.0000	TM 3036824.0000	11135.4420	TM 2400403.2000	521405.7000
%RSD		1.113	25.740	TM 2.325	TM 1.478	TM 1.077	3.397	TM 2.440	1.356

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:55:55	1065.0681	22568.0180	2237.8004	3458.2174	475219.3600	139002.2100	36715.7050	2935.5169
2	19:56:32	922.5511	23287.4930	2252.8045	3635.7930	490579.7200	137538.2200	35415.0940	3143.0926
3	19:57:08	887.5473	23630.9580	2197.7898	3673.3094	499944.9500	137388.2700	32458.0890	3108.0795
4	19:57:45	835.0418	23182.2000	2190.2878	3755.8462	504218.7600	137642.4200	31138.0660	2882.9986
5	19:58:21	887.5473	23884.1780	2097.7640	3860.8942	506262.2400	138793.7800	31022.6370	2935.5169
x		919.5511	23310.5690	2195.2893	3676.8120	495245.0100	138072.9800	33349.9180	3001.0409
%RSD		9.477	2.145	2.757	4.071	2.568	0.552	7.747	3.877

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:55:55	4226.0713	7906.2487	4078.4978	345832.6400	3206.4501	758.3678	100.8339	50.0001
2	19:56:32	4086.0015	7986.3251	4116.0162	353760.2100	3225.6242	812.5396	105.0007	47.5001
3	19:57:08	3885.9058	7718.5729	4073.4954	356816.4600	3240.6300	840.0423	94.1672	54.1668
4	19:57:45	3738.3383	8186.5192	4163.5398	362754.7800	3347.3388	731.6988	94.1672	50.0001
5	19:58:21	3790.8620	8161.4946	3943.4328	366331.2400	3379.8519	777.5363	99.1673	43.3334
x		3945.4358	7991.8321	4074.9964	357099.0700	3279.9790	784.0370	98.6673	49.0001
%RSD		5.207	2.413	2.010	2.238	2.382	5.482	4.687	8.103

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	19:55:55	875253.2200	103.7506	140.0012	70.0003	1852.7059	4419.9218	1022302.1000	72.5003
2	19:56:32	909789.9100	125.0009	122.5009	118.7509	1898.9663	4605.0220	1055300.6000	45.0001
3	19:57:08	924978.3700	242.5035	135.0011	187.5021	1996.4891	4852.6625	1079025.0000	85.0004
4	19:57:45	944055.3300	182.5020	130.0010	113.7508	2090.2621	4795.1292	1097977.6000	45.0001
5	19:58:21	954372.2100	188.7521	140.0012	188.7521	2121.5200	4998.9989	1113626.9000	45.0001
x		921689.8100	168.5018	133.5011	135.7512	1991.9887	4734.3469	1073646.4000	58.5002
%RSD		3.378	32.731	5.555	37.891	5.860	4.762	3.356	32.490

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:55:55	10188.7250	18182.3140	31996.3080	1826588.0000	1157.5804	2661.6750	7946.2868	7093.0174
2	19:56:32	10904.6300	18380.2480	33258.7360	1905765.6000	1277.5979	2908.0073	8559.3935	7570.9376
3	19:57:08	11072.3510	19833.5740	33818.4820	1956995.9000	1293.8504	3198.1136	8894.7445	7520.8923
4	19:57:45	11507.9400	19763.4080	35354.8390	2004615.1000	1298.8512	3123.0851	9069.9331	8093.9288
5	19:58:21	11505.4370	19938.8250	35199.1820	T 2064882.4000	1318.8544	3280.6456	9532.9495	7793.6427
x		11035.8170	19219.6740	33925.5100	T 1951769.4000	1269.3469	3034.3053	8800.6615	7614.4838
%RSD		4.921	4.484	4.127	T 4.682	5.057	8.242	6.736	4.846

Run	Time	208Pb	209Bi	220Bkg
1	19:55:55	17778.9450	1183915.3000	0.0000
2	19:56:32	18600.7360	1249128.2000	2.5000
3	19:57:08	19492.7710	1285788.0000	0.0000
4	19:57:45	19577.9710	1314733.4000	0.0000
5	19:58:21	20081.6670	1341091.3000	2.5000
x		19106.4180	1274931.3000	1.0000
%RSD		4.783	4.808	136.931

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	20:01:19	252432.9700	5.0000	TM 20229420.0000	TM 2713475.6000	TM 2954122.8000	13566.0330	TM 2314816.7000	512237.5600
2	20:01:56	245592.2100	10.8333	TM 20587192.0000	TM 2745516.7000	TM 2989197.9000	13678.7170	TM 2348847.6000	515370.9200
3	20:02:33	242092.8600	12.5000	TM 20683864.0000	TM 2748204.0000	TM 3001252.8000	14091.9050	TM 2388929.2000	518702.1200
4	20:03:09	245833.3400	10.8333	TM 21002515.0000	TM 2768829.7000	TM 3006051.6000	13801.4190	TM 2404249.1000	520072.4400
5	20:03:46	244164.5000	9.1667	TM 21060296.0000	TM 2753555.7000	TM 2995642.6000	14284.7330	TM 2413850.6000	518929.3800
x		246023.1700	9.6667	TM 20712658.0000	TM 2745916.3000	TM 2989253.6000	13884.5610	TM 2374138.6000	517062.4900
%RSD		1.577	29.613	TM 1.628	TM 0.738	TM 0.690	2.142	TM 1.744	0.622

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	20:01:19	1112.5743	24185.0440	2190.2878	3348.1725	446952.9800	134257.8700	36723.2380	4216.0662
2	20:01:56	1140.0780	24002.0160	2202.7911	3445.7122	457241.7500	134006.3700	34415.9210	4231.0738
3	20:02:33	965.0559	25055.1090	2050.2522	3503.2362	463139.4200	134938.7300	31459.2690	3893.4093
4	20:03:09	905.0491	23703.6640	2297.8168	3578.2681	465521.8200	134161.3300	31148.1040	4083.5003
5	20:03:46	842.5426	24676.4820	2132.7729	3440.7102	469405.8600	133790.4400	30508.2430	3983.4518
x		993.0600	24324.4630	2174.7841	3463.2198	460452.3700	134230.9500	32850.9550	4081.5003
%RSD		13.041	2.220	4.204	2.454	1.898	0.323	8.020	3.582

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	20:01:19	4183.5499	7748.6008	4278.5981	323377.4600	3208.9511	815.0399	105.8340	53.3335
2	20:01:56	4080.9990	8003.8418	4053.4856	330543.0400	3152.2628	773.3692	106.6674	47.5001
3	20:02:33	3928.4257	8166.4995	3988.4542	335427.5200	3412.3652	792.5377	100.0006	65.0003
4	20:03:09	3803.3677	8028.8659	3945.9340	335232.3900	3380.6856	738.3660	108.3340	50.0001
5	20:03:46	3778.3564	7986.3251	3988.4542	335365.0800	3349.8398	749.2003	102.5006	62.5002
x		3954.9397	7986.8266	4050.9852	331989.1000	3300.8209	773.7026	104.6673	55.6669
%RSD		4.434	1.889	3.281	1.580	3.445	4.042	3.214	13.858

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	20:01:19	877740.5500	82.5004	110.0007	51.2502	1796.4436	4272.3449	1017229.0000	47.5001
2	20:01:56	900780.5200	152.5014	137.5011	101.2506	1827.7004	4422.4232	1052581.8000	60.0002
3	20:02:33	928558.0700	233.7533	180.0019	192.5022	1905.2178	4532.4823	1084831.3000	70.0003
4	20:03:09	931598.4800	282.5048	150.0014	252.5038	1922.7218	4543.7384	1094731.8000	47.5001
5	20:03:46	942654.2400	221.2529	147.5013	198.7524	1973.9838	4573.7548	1102690.8000	82.5004
x		916266.3700	194.5026	145.0013	159.2518	1885.2135	4468.9487	1070412.9000	61.5002
%RSD		2.891	40.080	17.370	51.004	3.832	2.773	3.299	24.492

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	20:01:19	10368.9470	18204.8630	32096.6930	1812151.1000	1123.8258	2831.7310	7463.3406	6755.2369
2	20:01:56	10701.8670	19425.1140	33949.0120	1905445.8000	1295.1006	3071.8161	7943.7844	6800.2735
3	20:02:33	10741.9190	19841.0920	34415.9210	1959368.6000	1313.8536	3224.3737	8336.6679	7158.0730
4	20:03:09	11292.6460	20222.0060	34847.7100	1983651.6000	1397.6172	3341.9200	8209.0413	7248.1508
5	20:03:46	11257.5990	20247.0670	35457.7750	1995436.0000	1335.1069	3299.4030	8421.7534	7333.2252
x		10872.5960	19588.0280	34153.4220	1931210.6000	1293.1008	3153.8488	8074.9175	7058.9919
%RSD		3.634	4.302	3.739	3.884	7.903	6.575	4.788	3.748

Run	Time	208Pb	209Bi	220Bkg
1	20:01:19	16168.1690	1190582.5000	2.5000
2	20:01:56	16744.3050	1248276.0000	0.0000
3	20:02:33	17768.9240	1284111.6000	0.0000
4	20:03:09	17976.8690	1302415.2000	0.0000
5	20:03:46	17939.2880	1327830.6000	0.0000
x		17319.5110	1270643.2000	0.5000
%RSD		4.721	4.196	223.607

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	20:06:44	271327.1800	527.5167	1065.0681	105.0007	165.0016	2355.3328	377.5086	557423.6700
2	20:07:21	270465.6800	540.8509	2510.3781	350.0073	370.0082	2415.3500	550.0181	568084.9900
3	20:07:57	269961.3800	563.3524	7188.0988	1005.0606	1235.0915	2620.4119	1010.0612	574238.5200
4	20:08:34	264005.9000	490.0144	9715.6603	1350.1094	1575.1489	3050.5583	1442.6249	573542.9800
5	20:09:10	264801.3900	519.1828	8464.2965	1125.0759	1540.1423	2867.9934	1117.5749	575170.8900
x		268112.3100	528.1834	5788.7003	787.0508	977.0785	2661.9293	899.5575	569692.2100
%RSD		1.280	5.129	65.553	67.681	68.068	11.113	48.116	1.298

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	20:06:44	630.0238	14497.6000	6555.0771	2522.8818	3460.7184	108342.2300	985.0582	3708.3249
2	20:07:21	580.0202	14379.8960	6685.1804	2615.4104	3620.7864	107316.5900	875.0459	3353.1745
3	20:07:57	422.5107	14945.8910	6937.8869	2652.9222	3795.8643	107638.2000	997.5597	3735.8372
4	20:08:34	487.5143	14146.9980	6842.8083	2888.0003	3925.9246	107286.2000	922.5511	3665.8061
5	20:09:10	345.0071	14517.6350	6830.2980	2552.8910	3778.3564	105766.9700	952.5544	3610.7821
x		493.0152	14497.6040	6770.2501	2646.4211	3716.3300	107270.0400	946.5539	3614.7850
%RSD		23.403	2.006	2.222	5.455	4.824	0.878	5.232	4.251

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	20:06:44	815.0399	4246.0815	2057.7540	1437.6240	435.8447	1423.4549	307.5057	45.0001
2	20:07:21	865.0449	4356.1383	2157.7793	1382.6147	470.8466	1404.2850	327.5064	45.0001
3	20:07:57	905.0491	4533.7329	2030.2473	1637.6609	497.5149	1388.4490	306.6723	42.5001
4	20:08:34	905.0491	4321.1200	2180.2852	1477.6310	513.3491	1377.6139	300.0054	40.0001
5	20:09:10	840.0423	4411.1672	2010.2424	1627.6589	484.1807	1382.6147	308.3390	37.5001
x		866.0451	4373.6480	2087.2617	1512.6379	480.3472	1395.2835	310.0058	42.0001
%RSD		4.590	2.462	3.686	7.582	6.131	1.338	3.331	7.761

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	20:06:44	970796.8600	2762.9580	20.0000	2681.6814	541.2676	1316.3540	1145987.8000	25.0000
2	20:07:21	999509.8700	2860.4909	40.0001	2850.4874	538.7674	1295.1006	1200459.1000	25.0000
3	20:07:57	1018422.4000	3133.0889	45.0001	2846.7362	603.7719	1383.8649	1218776.7000	27.5000
4	20:08:34	1026335.7000	3106.8290	52.5002	3113.0814	586.2706	1401.3678	1231294.7000	12.5000
5	20:09:10	1039897.7000	3231.8766	57.5002	2990.5365	655.0257	1378.8641	1245447.2000	22.5000
x		1010992.5000	3019.0487	43.0001	2896.5046	585.0207	1355.1103	1208393.1000	22.5000
%RSD		2.651	6.557	33.751	5.633	8.246	3.428	3.195	26.058

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	20:06:44	2790.4671	3263.1388	5922.1035	1916988.6000	2375.3385	6009.6662	2100.2646	1715.1765
2	20:07:21	3028.0500	3518.2425	6179.7905	2014827.1000	2655.4230	6271.1087	2295.3161	1785.1912
3	20:07:57	2767.9596	3623.2875	6457.5010	2096052.8000	2624.1631	6571.3399	2302.8181	1855.2065
4	20:08:34	3015.5455	3700.8216	6424.9759	τ2137187.5000	2762.9580	6516.2967	2417.8507	1900.2166
5	20:09:10	3105.5786	3550.7563	6392.4509	2124646.4000	2721.6944	6677.6744	2377.8392	1857.7070
x		2941.5202	3531.2493	6275.3644	τ2057940.5000	2627.9154	6409.2172	2298.8177	1822.6996
%RSD		5.179	4.689	3.592	τ4.474	5.758	4.190	5.322	4.000

Run	Time	208Pb	209Bi	220Bkg
1	20:06:44	4478.7032	1407304.0000	0.0000
2	20:07:21	4496.2126	1489060.6000	0.0000
3	20:07:57	4711.3314	1530389.7000	0.0000
4	20:08:34	4728.8413	1556707.1000	0.0000
5	20:09:10	4616.2782	1571964.4000	0.0000
x		4606.2734	1511085.1000	0.0000
%RSD		2.535	4.367	0.000

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	20:12:09	250602.2700	124144.5400	573529.6100	78129.5450	85673.1410	496953.7500	14447.5130	518728.7000
2	20:12:46	249904.2700	121742.8300	582334.9200	78442.4640	86289.4510	499019.3700	14770.5790	524106.2700
3	20:13:22	244912.6500	120232.8100	589117.6500	78967.3870	86122.7400	494835.6100	15173.8020	521852.4600
4	20:13:59	245273.8700	118248.8900	591229.6400	79916.3690	86926.0160	492670.3000	14930.8640	521626.4500
5	20:14:36	248019.1900	120246.3400	594205.5300	78841.2000	88280.1390	500257.9200	15436.7840	526891.4300
x		247742.4500	120923.0800	586083.4700	78859.3930	86658.2970	496747.3900	14951.9080	522641.0600
%RSD		1.049	1.809	1.410	0.859	1.168	0.619	2.529	0.583

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	20:12:09	530.0168	641652.2700	631517.7900	59101.3380	824883.1200	994831.5700	22076.7040	857369.6100
2	20:12:46	425.0108	645705.6100	635181.1100	59876.8440	850197.6500	1016851.8000	22643.2210	878563.3600
3	20:13:22	400.0096	645387.3100	639606.0900	60118.5750	845708.5000	1019418.9000	22415.1060	871966.4700
4	20:13:59	382.5088	647575.1500	638406.6500	61012.5370	853318.7700	1027682.5000	23307.5490	875649.2600
5	20:14:36	317.5061	654412.0000	642577.1200	60954.6160	850233.5500	1034907.5000	22823.7130	882207.3400
x		411.0104	646946.4700	637457.7500	60212.7820	844868.3200	1018738.5000	22653.2590	873151.2100
%RSD		18.860	0.726	0.666	1.325	1.361	1.486	2.031	1.099

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	20:12:09	190328.9700	477634.2200	228176.6900	134402.6700	105491.0000	30084.2060	12248.9960	39.1668
2	20:12:46	192625.8500	481687.8500	231262.5200	137515.3400	106320.6100	30425.4410	12381.6920	55.8335
3	20:13:22	191259.9200	485192.6500	229276.2600	137807.6100	107513.2700	30490.6790	12307.4150	49.1668
4	20:13:59	192633.5200	483315.6600	229643.6700	138054.1400	108150.6000	30618.6470	12520.2320	40.8334
5	20:14:36	196110.7300	486564.2600	232233.9900	139508.0600	109191.5400	30483.1520	12575.3140	48.3335
x		192591.8000	482878.9300	230118.6200	137457.5700	107333.4100	30420.4250	12406.7300	46.6668
%RSD		1.140	0.718	0.704	1.362	1.364	0.660	1.116	14.507

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	20:12:09	902227.7300	657671.7300	8687.0255	642187.4800	129947.8500	312091.6500	1078628.2000	32.5001
2	20:12:46	931698.8300	673585.5700	8737.0778	655770.3000	135496.4200	321253.8900	1112084.9000	30.0001
3	20:13:22	943223.5800	684484.7000	9097.4631	665969.7200	136526.7900	328070.6600	1134991.9000	30.0001
4	20:13:59	953111.9700	689071.8500	9122.4905	669989.8300	137554.7400	330103.6200	1148232.6000	40.0001
5	20:14:36	955582.3100	696265.7400	8807.1515	672564.0500	137811.4200	331849.7100	1154527.3000	32.5001
x		937168.8800	680215.9200	8890.2417	661296.2800	135467.4400	324673.9100	1125693.0000	33.0001
%RSD		2.314	2.213	2.309	1.883	2.376	2.495	2.747	12.448

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	20:12:09	335914.0400	81663.1820	145031.1500	1832136.2000	610730.9500	1517255.1000	514712.0100	409232.4600
2	20:12:46	349834.5900	85592.3170	150183.7200	1910066.2000	642171.3000	1588002.9000	537982.5000	430668.1900
3	20:13:22	358144.1300	86721.4000	151448.8100	1947554.8000	656608.8800	1618053.8000	550544.4300	437656.0000
4	20:13:59	366762.0800	87923.9030	155227.3900	1971844.5000	666390.1700	1653739.1000	558437.0000	443880.0900
5	20:14:36	366088.4100	87934.0080	154407.3700	1998254.3000	676607.5200	1674882.9000	566895.4400	451174.0700
x		355348.6500	85966.9620	151259.6900	1931971.2000	650501.7600	1610386.7000	545714.2800	434522.1600
%RSD		3.619	3.018	2.678	3.342	3.936	3.837	3.727	3.691

Run	Time	208Pb	209Bi	220Bkg
1	20:12:09	1051349.9000	1359505.5000	0.0000
2	20:12:46	1099264.3000	1411948.9000	0.0000
3	20:13:22	1118112.1000	1444901.0000	2.5000
4	20:13:59	1143837.8000	1468456.7000	0.0000
5	20:14:36	1150146.6000	1481778.8000	0.0000
x		1112542.1000	1433318.2000	0.5000
%RSD		3.580	3.422	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	20:17:34	251658.3900	16.6667	140.0012	35.0001	35.0001	2002.7406	310.0058	510741.0200
2	20:18:11	251313.2100	20.8334	1170.0821	170.0017	130.0010	2110.2672	385.0089	530956.4100
3	20:18:48	255160.8500	20.8334	1615.1565	205.0025	220.0029	2197.7898	435.0113	542653.7600
4	20:19:24	255251.0500	17.5000	1205.0871	180.0019	155.0014	2205.2918	447.5120	547150.2100
5	20:20:01	254049.3200	19.1667	1110.0739	175.0018	185.0021	2115.2684	455.0124	550488.4000
x		253486.5700	19.0000	1048.0802	153.0016	145.0015	2126.2716	406.5101	536397.9600
%RSD		0.746	10.002	52.032	44.003	48.338	3.864	14.873	3.008

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	20:17:34	485.0141	280.0047	1057.5671	2277.8113	127.5010	91363.1020	1040.0649	57.5002
2	20:18:11	380.0087	327.5064	1057.5671	2372.8378	215.0028	93999.6830	910.0497	82.5004
3	20:18:48	390.0091	305.0056	1197.5860	2337.8279	272.5045	95043.9280	1045.0655	107.5007
4	20:19:24	390.0091	362.5079	1217.5889	2385.3413	210.0026	95190.5870	925.0513	110.0007
5	20:20:01	347.5073	302.5055	1182.5839	2422.8522	195.0023	96690.2040	980.0576	82.5004
x		398.5097	315.5060	1142.5786	2359.3341	204.0026	94457.5010	980.0578	88.0005
%RSD		12.900	9.888	6.878	2.322	25.451	2.094	6.403	24.472

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	20:17:34	22.5000	452.5123	125.0009	182.5020	15.0000	680.8611	40.0001	51.6668
2	20:18:11	45.0001	505.0153	97.5006	235.0033	25.0000	720.0311	44.1668	35.8334
3	20:18:48	42.5001	522.5164	137.5011	205.0025	22.5000	700.8628	38.3334	48.3335
4	20:19:24	45.0001	497.5149	102.5006	230.0032	22.5000	690.8620	52.5002	51.6668
5	20:20:01	30.0001	402.5097	122.5009	255.0039	20.0000	682.5280	46.6668	37.5001
x		37.0001	476.0137	117.0008	221.5030	21.0000	695.0290	44.3335	45.0001
%RSD		27.612	10.195	14.206	12.710	18.054	2.313	12.707	17.223

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	20:17:34	888229.4700	95.0005	2.5000	48.7501	3.7500	6.2500	1062412.4000	15.0000
2	20:18:11	943137.0600	92.5005	12.5000	73.7503	13.7500	46.2501	1129474.8000	27.5000
3	20:18:48	967194.3500	127.5010	5.0000	113.7508	15.0000	26.2500	1164379.8000	27.5000
4	20:19:24	981778.6000	112.5008	2.5000	97.5006	15.0000	17.5000	1175137.0000	25.0000
5	20:20:01	992858.2200	90.0005	15.0000	70.0003	10.0000	21.2500	1196707.6000	10.0000
x		954639.5400	103.5007	7.5000	80.7504	11.5000	23.5000	1145622.3000	21.0000
%RSD		4.350	15.523	78.174	31.318	41.675	62.531	4.581	38.207

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	20:17:34	697.5292	7.5000	5.0000	1794089.2000	61.2502	176.2519	87.5005	47.5001
2	20:18:11	827.5411	2.5000	7.5000	1926912.1000	127.5010	275.0045	92.5005	102.5006
3	20:18:48	835.0418	27.5000	20.0000	1991124.0000	131.2510	375.0084	137.5011	105.0007
4	20:19:24	640.0246	7.5000	22.5000	T2082819.7000	107.5007	263.7542	92.5005	77.5004
5	20:20:01	635.0242	12.5000	17.5000	2056610.7000	105.0007	263.7542	112.5008	112.5008
x		727.0322	11.5000	14.5000	T1970311.1000	106.5007	270.7546	104.5007	89.0005
%RSD		13.525	83.632	53.698	T5.868	26.158	26.061	19.901	29.966

Run	Time	208Pb	209Bi	220Bkg
1	20:17:34	160.0015	1320357.3000	0.0000
2	20:18:11	222.5030	1415010.1000	0.0000
3	20:18:48	312.5059	1467161.8000	0.0000
4	20:19:24	252.5038	1507781.8000	0.0000
5	20:20:01	200.0024	1528198.1000	0.0000
x		229.5033	1447701.8000	0.0000
%RSD		25.000	5.754	0.000

Run MS208066 Summary		9Be	24Mg	27Al	44Ca	51V	52Cr	55Mn	57Fe	59Co	60Ni	63Cu	66Zn	75As	82Se	107Ag	111Cd	121Sb	137Ba	205Tl	208Pb	6Li	45Sc	89Y	115In	159Tb	209Bi
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
S0	06/18/2008 15:10:31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
S2	06/18/2008 15:15:57	1.9033	2.043	4.2481	6.0283	1.7942	1.8104	1.8035	5.109	1.8244	1.8769	1.9047	2.3948	1.9331	1.7856	1.85	1.8926	1.729	1.8476	1.7339	1.792	101.41%	99.86%	99.05%	98.43%	97.63%	97.61%
S5	06/18/2008 15:21:19	4.9916	4.866	5.3453	7.2887	4.7442	4.7688	4.6721	10.029	4.7178	4.8807	4.8146	6.3219	5.0329	5.1096	4.7792	4.9473	4.7193	5.0049	4.5684	4.7251	101.39%	100.06%	97.85%	97.27%	96.22%	96.03%
S10	06/18/2008 15:26:43	10.006	10.032	11.292	15.518	9.6076	9.6914	9.4793	13.71	9.5225	10.255	9.784	10.632	10.082	10.083	9.6888	9.8889	9.5721	10.019	9.1845	9.5452	101.60%	100.06%	97.96%	97.19%	95.86%	95.63%
S50	06/18/2008 15:32:07	49.175	49.349	49.647	53.931	47.383	47.521	46.632	51.943	47.302	48.455	47.893	48.846	49.137	50.483	47.457	48.746	47.498	49.033	45.679	46.936	101.42%	98.69%	96.83%	96.31%	95.13%	94.93%
S200	06/18/2008 15:37:32	199.02	201.51	198.85	196.51	194.23	195.88	193.95	198.8	194.2	197.34	195.46	198.4	198.11	199.35	195.27	199.35	196.77	197.19	190.86	193.96	98.30%	96.26%	96.14%	96.44%	96.88%	97.20%
S500	06/18/2008 15:42:57	500.48	506.59	500.46	508.68	502.58	501.9	502.77	504.83	502.6	501.22	502.03	500.73	500.84	500.21	502.15	500.39	501.55	501.22	504.11	502.73	96.26%	94.25%	93.91%	94.29%	94.14%	94.72%
S1000	06/18/2008 15:48:24	1001.3	996.47	982.18	1013.1	987.44	990.48	988.35	998.03	993.78	1004.5	1007.2	996.37	999.29	994.09	1022.3	1001.1	1015.2	995.2	968.85	997.45	91.83%	88.41%	88.26%	88.97%	89.85%	91.11%
S1500	06/18/2008 15:53:49	1506.7	1491.4	1445.2	1499	1486.6	1494.3	1493.8	1495.3	1499.2	1530.6	1498.7	1511.3	1514.6	1489.9	1502.5	1510.8	1562.1	1503.7	1465.5	1506.7	90.64%	84.78%	84.54%	85.86%	87.23%	88.87%
S2000	06/18/2008 15:59:15	1998.6	2006.4	1903.7	1992.3	1983.8	1990	1991.9	2003.3	1998.6	2040.6	1979.5	2001.4	2006.2	1955	1983.2	2030.1	2106.2	2025.7	1958	2005.6	88.64%	83.03%	83.02%	84.13%	86.57%	88.49%
ICV	06/18/2008 16:04:41	102.73	1255.4	511.17	2057	99.333	99.151	99.143	1039	99.794	101.35	100.58	207.8	200.97	208.57	99.299	101.73	204.9	101.37	204.85	202.43	90.74%	85.77%	85.72%	86.86%	88.98%	91.04%
ICB	06/18/2008 16:10:08	0.4209	0.515	0.2452	3.3679	0.3991	0.351	0.3802	9.1387	0.3645	0.3564	0.5688	0.4503	0.4742	0.5452	0.318	0.4211	1.2194	0.3726	0.4359	0.4267	94.45%	89.42%	88.22%	88.71%	89.59%	91.33%
CRII	06/18/2008 16:15:34	1.1953	0.2396	0.0195	0.0937	4.9507	2.0884	1.1161	9.8158	1.1434	1.1934	2.2552	2.2347	1.0947	4.988	0.9881	1.2033	2.3767	9.9975	1.1502	1.1759	97.70%	91.91%	90.27%	90.27%	90.75%	91.84%
ICSA	06/18/2008 16:20:59	0.2665	113610	99403	114910	0.2733	20.356	7.7868	109910	1.3218	7.203	7.84	11.632	-0.4016	-3.1789	0.0673	3.5772	1.4413	1.4462	-0.0439	4.4139	84.30%	89.87%	89.49%	94.68%	93.95%	90.10%
ICSAB	06/18/2008 16:26:24	18.959	118440	99578	120380	20.643	40.658	28.361	110910	21.223	26.522	26.544	30.048	18.954	15.394	17.934	22.514	21.657	22.471	20.571	25.124	86.79%	96.23%	97.79%	103.84%	104.25%	98.15%
CCV	06/18/2008 16:31:49	251.7	1180.2	282.74	1089.7	249.06	251.05	253.24	1040.9	249.12	249.39	248.19	256.69	249.37	254.92	247.74	255.35	253.21	250.33	250.13	251.08	96.18%	105.21%	109.55%	111.41%	116.54%	114.03%
CCB	06/18/2008 16:37:13	0.1625	42.556	34.069	43.725	0.1563	0.1913	0.1612	28.431	0.1472	0.1597	0.5017	0.1628	0.1331	0.088	0.0558	0.1524	0.6356	0.152	0.1584	0.1623	98.33%	107.67%	111.40%	113.19%	118.17%	115.63%
PBW	06/18/2008 16:42:37	0.08	27.434	23.545	46.553	-0.0481	0.3302	0.078	12.276	0.0712	0.0762	0.2957	1.5267	0.1337	0.2482	0.0266	0.0538	0.262	0.0716	0.051	0.0744	98.07%	104.09%	108.41%	110.66%	115.88%	114.87%
LCSW	06/18/2008 16:48:03	94.663	1401.5	514.57	2145.5	96.259	96.376	98.434	1032.8	96.64	96.446	96.639	205.85	191.42	202.37	95.228	98.68	201	96.523	200.52	198.03	95.71%	99.08%	103.91%	106.85%	112.81%	112.51%
MH2600	06/18/2008 16:53:30	0.0076	38491	39.1	123990	0.7878	0.3858	160.1	1046	0.5889	4.4699	6.5745	806.57	7.7481	0.8858	0.1921	4.4003	8.6105	58.559	0.614	43.09	96.25%	98.01%	100.98%	101.17%	110.96%	101.58%
ZZZZZZ	06/18/2008 16:58:57	46.16	39641	494.25	126740	498.61	187.67	663.65	1528.2	472.14	449.04	223.46	1274.8	45.444	9.5485	44.766	52.187	109.06	2064	49.796	63.577	92.32%	97.08%	100.59%	101.11%	111.13%	101.65%
MH2600L	06/18/2008 17:04:25	-0.0376	7773.6	9.9147	23323	0.1268	0.1375	32.435	214.41	0.1645	0.9512	1.4734	177.2	1.571	0.2049	0.0682	0.9267	1.6884	12.113	0.0786	8.2632	103.80%	102.27%	105.21%	107.08%	113.53%	109.90%
MH2602	06/18/2008 17:09:51	-0.0635	16707	49.797	43999	6.172	0.637	46.396	621.22	0.2079	1.2762	3.2096	75.57	16.372	0.0768	0.1631	0.2144	6.479	126.34	0.0301	46.77	99.84%	102.27%	102.82%	105.37%	111.10%	108.29%
MH2604	06/18/2008 17:15:17	-0.0682	38864	28.368	126720	0.5482	0.4068	153.15	1080.1	0.5689	4.4108	6.4519	740.4	7.1479	0.5804	0.1555	4.2247	8.6571	57.291	0.4154	44.225	97.96%	96.48%	99.02%	99.33%	109.18%	100.49%
MH2606	06/18/2008 17:20:42	-0.0726	38992	24.444	126320	0.6623	0.4274	140.31	1046.4	0.5441	4.3478	5.9538	675.25	6.8946	0.4536	0.1365	3.9693	8.4039	57.412	0.4286	31.993	100.19%	99.47%	101.57%	101.67%	111.13%	101.77%
CCV2	06/18/2008 17:26:05	254.06	1126.9	255.03	1077.4	250.01	252.25	253.35	1010	250.46	250.95	248.7	256.8	250.81	255.38	249.54	256.39	253.19	252.15	249.66	251.52	100.01%	100.15%	103.46%	105.90%	110.37%	110.56%
CCB2	06/18/2008 17:31:29	-0.0418	4.6972	0.0652	14.348	0.0295	0.0147	-0.009	-6.7697	-0.0332	-0.0415	0.0629	0.0796	-0.0245	0.0525	0.0149	-0.0286	0.3662	-0.0077	-0.0568	-0.0224	102.45%	102.51%	105.43%	107.30%	111.42%	110.63%
MH2601	06/18/2008 17:36:53	-0.0529	38114	7.7246	123750	0.7315	0.3819	156.07	946.85	0.9686	4.4056	3.9749	744.8	6.0385	0.6997	0.0295	3.9456	7.9242	58.919	0.4107	5.2623	99.60%	96.80%	98.20%	98.12%	106.05%	98.00%
MH2603	06/18/2008 17:42:17	-0.0597	16571	3.003	43532	5.9563	0.5278	38.123	399.85	0.2571	1.3373	0.716	27.949	13.258	0.3411	0.0316	-0.0061	5.9905	122.95	0.0039	5.7268	99.42%	99.42%	99.65%	102.43%	109.54%	105.97%
MH2605	06/18/2008 17:47:43	-0.0855	39078	5.2189	126590	0.5639	0.4232	149.45	999.83	0.7009	4.5026	3.9936	677.97	5.8068	0.7091	0.017	3.7736	7.9783	57.343	0.3964	4.6442	99.08%	96.73%	98.18%	98.07%	108.12%	98.27%
MH2607	06/18/2008 17:53:08	-0.0846	39033	9.6666	126070	0.6645	0.4159	139.46	968.22	1.0688	4.6228	4.0015	631.88	5.7126	0.5699	0.0203	3.5107	7.8652	57.644	0.4074	4.2027	101.22%	98.05%	99.32%	99.24%	108.26%	99.07%
CRIF	06/18/2008 17:58:33	0.9262	10.358	0.0146	32.274	4.6984	1.9433	0.9231	-7.3949	0.8671	0.8704	1.8354	2.1417	0.9135	4.9187	0.9555	0.9279	1.7534	9.5518	0.8118	0.8982	109.00%	106.08%	108.09%	109.62%	113.81%	111.81%
CCV3	06/18/2008 18:03:59	257.99	1104.3	260.41	1043.4	250.06	252.58	253.29	1010	250.97	252.26	250.35	256.63	252.76	258.47	251.31	257.59	255.38	253.3	250.39	252.33	99.71%	97.28%	99.39%	101.42%	105.34%	106.09%
CCB3	06/18/2008 18:09:25	-0.0776	0.966	-0.3309	2.9699	-0.0197	-0.0206	-0.047	-4.7872	-0.0537	-0.0508	-0.0526	-0.0035	-0.0437	-0.0157	-0.009	-0.0471	0.3305	-0.0609	-0.0837	-0.0502	101.37%	99.10%	100.46%	102.04%	105.94%	105.43%
MH2600-2X	06/18/2008 18:14:52	-0.0674	19012	12.187	59673	0.4238	0.2487	81.22	551.99	0.2822	2.4068	3.4679	429.01	3.9982	0.5015	0.0645	2.3077	4.3833	29.695	0.1688	21.486	101.28%	95.07%	96.15%	96.58%	103.72%	98.52%
MH2600L-2X	06/18/2008 18:20:19	-0.0765	3903.8	3.277	11712	0.0601	0.0642	16.474	115.95	0.016	0.4851	0.6249	91.876	0.725	0.0449	0.0095	0.4215	0.743	6.1556	-0.0412	4.2009	105.91%	99.57%	101.18%	102.88%	107.67%	106.12%
MH2604-2X	06/18/2008 18:25:44	-0.0849	19352	14.742	61250	0.1339	0.2176	76.959	568.94	0.2509	2.2738	3.3043	395.17	3.7428	0.5562	0.0587	2.1843	4.3103	29.196	0.1489	21.989	102.89%	95.82%	96.73%	97.58%	104.54%	100.03%
MH2606-2X	06/18/2008 18:31:13	-0.0903	19433	10.988	61404	0.2245	0.2221	70.742	537.96	0.2321	2.1984	3.0673	360.99	3.5971	0.3814	0.039	2.0245	4.1552	28.781	0.1434	15.91	103.50%	96.75%	98.21%	99.24%	107.54%	101.89%
MH2601-2X	06/18/2008 18:36:37	-0.091	19478	2.0783	61350	0.32	0.2181	79.561	497.84	0.4613	2.2798	1.9393	398.86	3.2023	0.5488	0.0066	1.9649	3.8011	29.748	0.1287	2.5649	103.27%	96.71%	98.42%	99.36%	108.42%	102.17%
MH2605-2X	06/18/2008 18:42:01	-0.0934	19807	2.3614	62583	0.3281	0.232	75.618	506.52	0.3402	2.3097	2.0692	361.3	2.9724	0.4874	0.0056	1.9855	3.9204	28.987	0.1389	2.2679	102.47%	96.13%	98.19%	99.03%	106.17%	101.94%
MH2607-2X	06/18/2008 18:47:27	-0.0945	19814	3.7013	62408	0.1726	0.2227	71.045	503.64	0.5237	2.3416	2.006	339.27	2.9912	0.4842	0.0105	1.8541	3.9316	29.322	0.1537	2.0604	102.51%	96.34%	98.42%	99.18%	106.86%	102.03%
CRIF2	06/18/2008 18:52:52	0.8962	5.3495	-0.293	19.351	4.6654	1.8922	0.9202	-9.7239	0.8632	0.912	1.8065	2.0283	0.9218	5.0157	0.9549	0.9407	1.7488	9.4751	0.8069	0.8763	107.93%	102.00%	103.64%	106.11%	111.23%	110.47%
CCV4	06/18/2008 18:58:17	254.98	1088.1	245.05	1033.9	246.42	248.93	250.8	1001.1	246.98	247.71	245.69	255	250.1	254.64	248.58	254.97	252.29	248.7	247.86	250.16	97.50%	94.03%	96.50%	99.08%	103.94%	104.84%
CCB4	06/18/2008 19:03:43	-0.0651	1.8868	-0.2276	6.9623	-0.0073	-0.0132	-0.0287	-3.8612	-0.0387	-0.0446	-0.0416	-0.0146	-0.0424	-0.0942	-0.0038	-0.0398	0.3105	-0.0485	-0.0653	-0.0384	98.92%	95.57%	97.82%	99.58%	103.74%	105.13%

Ca, As, Se, Cd reported from this run.
Case 37402: SDG MH2600; Modification 1554.1.

Performance Report

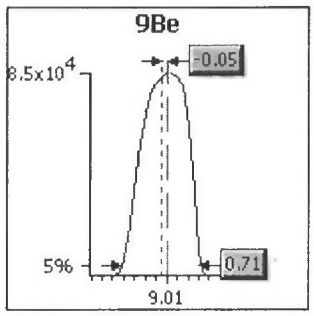
Run # 1152 08066

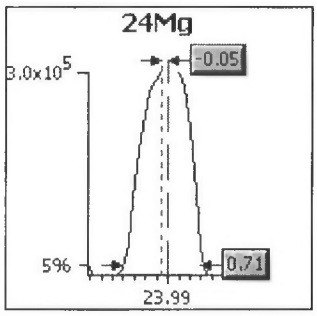
Tune

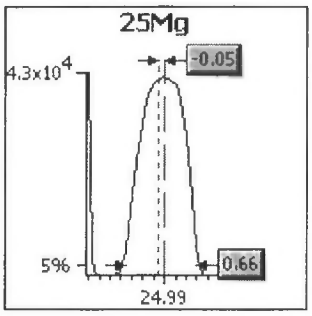
Sample details
Acquired at : 06/18/2008 12:14:11
Report name : ILM05.3 [06/18/2008 12:07:33]

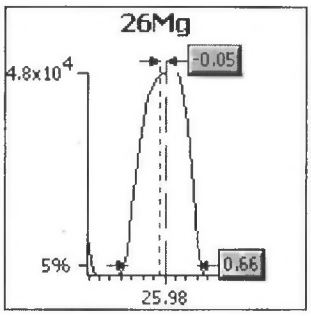
Mass Calibration verification

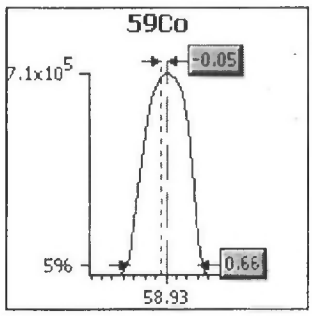
Acquisition parameters
Sweeps : 10
Dwell : 5.0 mSecs
Point spacing : 0.05 amu
Peak width measured at 5% of the peak maximum

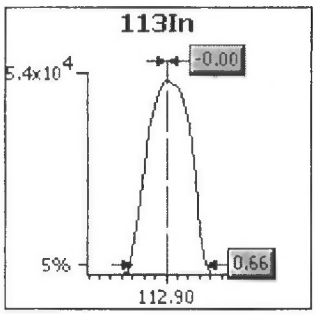


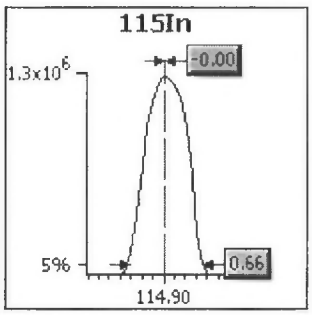


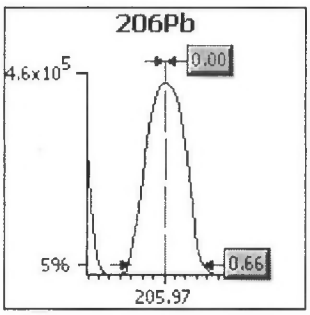


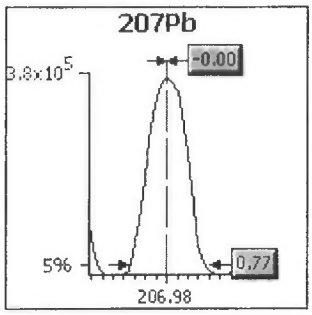


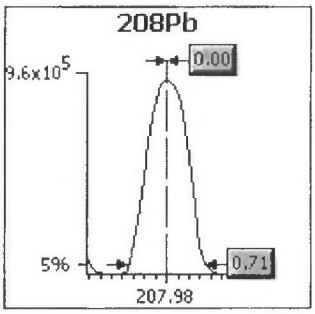












Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.75	0.60	0.10	0.71	-0.05
24Mg	0.75	0.60	0.10	0.71	-0.05
25Mg	0.75	0.60	0.10	0.66	-0.05
26Mg	0.75	0.60	0.10	0.66	-0.05
59Co	0.72	0.60	0.10	0.66	-0.05
113In	0.75	0.60	0.10	0.66	-0.00
115In	0.75	0.60	0.10	0.66	-0.00
206Pb	0.80	0.60	0.10	0.66	0.00
207Pb	0.80	0.60	0.10	0.77	-0.00
208Pb	0.80	0.60	0.10	0.71	0.00

Sample details
Acquired at : 06/18/2008 12:14:11
Report name : ILM05.3 [06/18/2008 12:07:33]

Tune conditions

Major	
Extraction	-145
Lens 1	2.9
Focus	24.1
D1	-34.5
Pole Bias	2.5
Hexapole Bias	4.5
Nebuliser	0.77
Sampling Depth	110

Minor	
Lens 2	-44.7
Lens 3	-142.7
Forward power	1404
Horizontal	100
Vertical	475
D2	-160
DA	-80.0
Cool	13.0
Auxiliary	0.80

Global	
Standard resolution	165
High resolution	115
Analogue Detector	1550
PC Detector	2830

Add. Gases

Tune

Sensitivity and stability results

Acquisition parameters
Sweeps : 130

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	56Ar O	59Co	138Ba++	101Bkg
Dwell (mSecs)		100.0	10.0	10.0	10.0	10.0	10.0	10.0	30.0	100.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	-	5.0%	-	-
	Countrate	-	>3000	>10000	>10000	>10000	-	>10000	-	-
1	12:14:33	0.692	82149.076	325593.40	43433.664	50267.306	340751.74	733000.04	33233.830	0.231
2	12:15:46	0.538	82678.893	324977.75	43389.589	49978.655	338562.07	729807.24	32999.311	0.308
3	12:16:58	0.308	82699.868	326832.04	43238.035	50614.784	341751.45	736006.15	33617.157	0.154
4	12:18:11	0.308	82059.741	322782.55	42426.186	49830.077	341870.02	724925.16	32844.599	0.462
5	12:19:24	0.077	83377.338	328800.32	43599.913	50456.908	341877.23	737232.38	33389.579	0.154
x		0.385	82592.983	325797.21	43217.478	50229.546	340962.50	732194.19	33216.895	0.262
σ		0.24	528.07	2229.95	460.76	325.60	1422.08	4977.45	306.70	0.13
%RSD		61.644	0.639	0.684	1.066	0.648	0.417	0.680	0.923	49.215

Run	Time	113In	115In	138Ba	140Ce	156Ce O	206Pb	207Pb	208Pb	220Bkg
Dwell (mSecs)		10.0	10.0	10.0	10.0	30.0	10.0	10.0	10.0	100.0
Limits	%RSD	5.0%	5.0%	-	-	-	5.0%	5.0%	5.0%	-
	Countrate	>10000	>10000	-	-	-	>10000	>10000	>10000	<1
1	12:14:33	52947.675	1272837.6	919707.58	1380245.6	27552.653	460825.72	380483.74	952600.88	0.385
2	12:15:46	53465.581	1275148.0	917180.50	1376390.8	27421.710	459219.84	380355.79	951662.16	0.615
3	12:16:58	53504.290	1284444.2	924733.92	1385921.3	27734.794	464059.51	384588.17	960105.61	0.154
4	12:18:11	52717.762	1265810.5	912127.67	1366334.4	27433.029	456241.20	378381.18	942765.66	0.154
5	12:19:24	53552.289	1281425.0	921858.44	1380241.1	28166.238	460549.53	382092.60	955631.76	0.615
x		53237.519	1275933.1	919121.62	1377826.7	27661.685	460179.16	381180.29	952553.21	0.385
σ		379.61	7335.96	4796.22	7268.74	308.90	2830.20	2315.49	6385.70	0.23
%RSD		0.713	0.575	0.522	0.528	1.117	0.615	0.607	0.670	60.000

Ratio results

Run	Time	56Ar O/59Co	138Ba++/138Ba	115In/101Bkg	156Ce O/140Ce
Ratio limits		-	-	>10000.0000	<0.0300
1	12:14:33	0.465	0.036	5515629.7	0.020
2	12:15:46	0.464	0.036	4144230.8	0.020
3	12:16:58	0.464	0.036	8348887.5	0.020
4	12:18:11	0.472	0.036	2742589.4	0.020
5	12:19:24	0.464	0.036	8329262.4	0.020
x		0.4657	0.0361	5816119.9	0.0201
σ		0.00	0.00	2503142.72	0.00
%RSD		0.7153	0.4265	43.0380	0.9643

Result : The performance report passed.

Experiment Details

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Elemental\PlasmaLab\data\Run Data\MS208065.tee
Created By User	Edwards
Analyte Database	ILM5.3.tea
Creation Timestamp	02/02/2005 10:10:19
Last Edited By	Edwards
Last Edit Timestamp	06/18/2008 15:08:58
Instrument Detector	Simultaneous
Database Version	3.51
Acquisition Mode	Unknown

Run # MS208065 KB 06/19/08
ICPM02
Kristie Bitner 06/19/08

Numerical Results report key (text indicates meaning)

Blue text indicates that cell is a statistic.
Underlining indicates that a data warning flag is set.

Column headings: No flag; Semi Quant; Standard Addition; Multi Element

Result cells: Internal Standard; Excluded; QC Warning; QC Failure

Transient TRA only: Peak Not Found; Manually Edited; Merged Peak

Data warning flags
I - Invalid calibration
T - Tripped
F - Interference correction failed
M - Result over max
V - Valley integration failed
D - Different method used

ILM05.4 - HW3

WO# 8155031
8155032

SDG # MH2600

Case # ~~81550~~ 37402
KB 06/19/08

8201 ~~-10~~ KB 06/19/08

ICP-MS + Al, Ca, Fe, Mg

Ca, As, Se, Cd ~~not~~ reported for this run.
KB 06/19/08

Setup

Survey Scan Setup

Sweeps	5
Dwell Time	600
Channels Per Mass	10
Acquisition Duration	6739

Main Run Setup

Main Run	Peak Jumping
Sweeps	40
Dwell Time	10000
Channels Per Mass	1
Acquisition Duration	33467
Channel Spacing	0.02

Survey Scan Regions

Start AMU	End AMU	Channels	Dwell ms	Resolution
4.59	11.50	69	600	Standard
12.50	13.50	10	600	
22.59	28.41	58	600	
30.59	31.50	9	600	
33.50	34.50	10	600	
36.50	37.50	10	600	
38.50	39.41	9	600	Standard
42.59	245.50	2029	600	Standard

Peak Jump Regions

Analyte	Channels	Dwell ms	Resolution
6Li	1	30000	Standard
7Li	1	10000	Standard
9Be	1	30000	Standard
13C	1	10000	
24Mg	1	5000	
25Mg	1	5000	
26Mg	1	5000	
27Al	1	10000	Standard
43Ca	1	10000	
44Ca	1	10000	
45Sc	1	20000	Standard

47Ti	1	10000	Standard
51V	1	10000	Standard
52Cr	1	10000	Standard
53Cl O	1	10000	Standard
54Fe	1	10000	
55Mn	1	10000	Standard
56Fe	1	10000	
57Fe	1	10000	
59Co	1	10000	Standard
60Ni	1	10000	Standard
63Cu	1	10000	Standard
65Cu	1	10000	Standard
66Zn	1	10000	Standard
75As	1	30000	Standard
77Ar Cl	1	30000	Standard
78Se	1	30000	Standard
82Se	1	30000	Standard
83Kr	1	30000	Standard
86Sr	1	10000	Standard
88Sr	1	10000	Standard
89Y	1	10000	Standard
95Mo	1	10000	Standard
106Pd	1	10000	Standard
106Cd	1	10000	Standard
107Ag	1	20000	Standard
108Mo O	1	10000	Standard
109Ag	1	20000	Standard
111Cd	1	20000	Standard
114Cd	1	20000	Standard
115In	1	10000	Standard
118Sn	1	10000	Standard
121Sb	1	10000	Standard
135Ba	1	10000	Standard
137Ba	1	10000	Standard
159Tb	1	10000	Standard
203Tl	1	20000	Standard
205Tl	1	20000	Standard
206Pb	1	10000	Standard
207Pb	1	10000	Standard
208Pb	1	10000	Standard
209Bi	1	20000	Standard
220Bkg	1	10000	Standard

Calibration Technique

Use External Drift Correction - No
Calibrate by - Element

Symbol	Interference Correction	RSF	Calibration Method	Line Fit	Weighting	Forcing	Use for Semi-Quant	Max Error	Minimum Correlation
6Li	Yes	1.00	None				No		
7Li	Yes	1.00	None				No		
9Be	Yes	0.75	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
13C	Yes	0.05	None				No		
24Mg	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
25Mg	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
26Mg	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
27Al	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes		
43Ca	Yes	0.99	None				No		
44Ca	Yes	0.99	Fully-Quantified	Linear	None	Through Blank	Yes		
45Sc	Yes	1.00	None				No		
47Ti	Yes	0.99	Semi-Quantified				No		
51V	Yes	0.99	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
52Cr	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
55Mn	Yes	0.95	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
54Fe	Yes	0.96	Fully-Quantified	Linear	None	Through Blank	Yes		
56Fe	Yes	0.96	Fully-Quantified	Linear	None	Through Blank	Yes		
57Fe	Yes	0.96	Fully-Quantified	Linear	None	Through Blank	Yes		
59Co	Yes	0.93	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
60Ni	No	0.91	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
63Cu	Yes	0.90	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
65Cu	Yes	0.90	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
66Zn	Yes	0.38	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
75As	Yes	0.07	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
78Se	Yes	0.10	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
82Se	Yes	0.10	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000

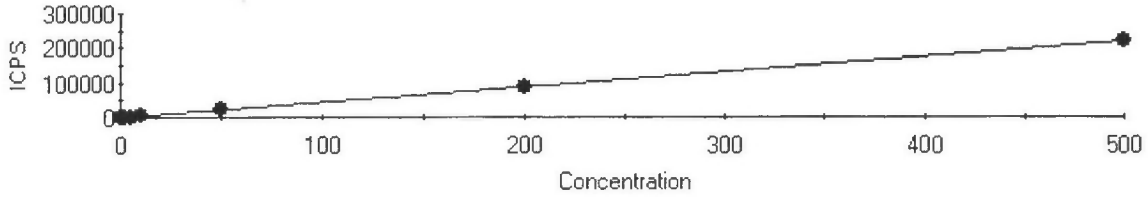
83Kr	Yes	0.01	Semi-Quantified				No	
86Sr	Yes	0.96	None				No	
88Sr	Yes	0.96	None				No	
89Y	Yes	0.98	None				No	
95Mo	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
106Pd	Yes	0.93	None				No	
107Ag	Yes	0.93	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
109Ag	Yes	0.93	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
106Cd	Yes	0.57	None				No	
111Cd	Yes	0.57	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
114Cd	Yes	0.57	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
115In	Yes	0.99	None				No	
118Sn	Yes	0.96	None				No	
121Sb	Yes	0.39	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
135Ba	Yes	0.91	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
137Ba	Yes	0.91	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
159Tb	Yes	0.99	None				No	
203Tl	Yes	1.00	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
206Pb	Yes	0.97	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
207Pb	Yes	0.97	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
208Pb	Yes	0.97	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
209Bi	Yes	0.92	None				No	
205Tl	Yes	1.00	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
220Bkg	Yes		Semi-Quantified				No	
77Ar Cl	Yes		Semi-Quantified				No	
53Cl O	Yes		Semi-Quantified				No	
108Mo O	Yes		Semi-Quantified				No	

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	S0	Blank	1.000	1	1	1	144
2	S2	Fully Quant Standard	1.000	1	1	2	144
3	S5	Fully Quant Standard	1.000	1	1	3	144
4	S10	Fully Quant Standard	1.000	1	1	4	144
5	S50	Fully Quant Standard	1.000	1	1	5	144
6	S200	Fully Quant Standard	1.000	1	1	6	144
7	S500	Fully Quant Standard	1.000	1	1	7	144
8	S1000	Fully Quant Standard	1.000	1	1	8	144
9	S1500	Fully Quant Standard	1.000	1	1	9	144
10	S2000	Fully Quant Standard	1.000	1	1	10	144
11	ICV	Unknown	1.000	1	1	11	144
12	ICB	Unknown	1.000	1	1	12	144
13	CRII	Unknown	1.000	1	2	1	144
14	ICSA	Unknown	1.000	1	2	2	144
15	ICSAB	Unknown	1.000	1	2	3	144
16	CCV	Unknown	1.000	1	2	4	144
17	CCB	Unknown	1.000	1	2	5	144
18	PBW	Unknown	1.000	1	2	6	144
19	LCSW	Unknown	1.000	1	2	7	144
20	MH2600	Unknown	1.000	1	2	8	144
21	ZZZZZZ	Unknown	1.000	1	2	9	144
22	MH2600L	Unknown	1.000	1	2	10	144
23	MH2602	Unknown	1.000	1	2	11	144
24	MH2604	Unknown	1.000	1	2	12	144
25	MH2606	Unknown	1.000	1	3	1	144
26	CCV2	Unknown	1.000	1	3	2	144
27	CCB2	Unknown	1.000	1	3	3	144
28	MH2601	Unknown	1.000	1	3	4	144
29	MH2603	Unknown	1.000	1	3	5	144
30	MH2605	Unknown	1.000	1	3	6	144
31	MH2607	Unknown	1.000	1	3	7	144
32	CRIF	Unknown	1.000	1	3	8	144
33	CCV3	Unknown	1.000	1	3	9	144
34	CCB3	Unknown	1.000	1	3	10	144
35	MH2600-2X	Unknown	1.000	1	3	11	144
36	MH2600L-2X	Unknown	1.000	1	3	12	144
37	MH2604-2X	Unknown	1.000	1	4	1	144
38	MH2606-2X	Unknown	1.000	1	4	2	144
39	MH2601-2X	Unknown	1.000	1	4	3	144
40	MH2605-2X	Unknown	1.000	1	4	4	144
41	MH2607-2X	Unknown	1.000	1	4	5	144
42	CRIF2	Unknown	1.000	1	4	6	144
43	CCV4	Unknown	1.000	1	4	7	144
44	CCB4	Unknown	1.000	1	4	8	144

Fully Quant Calibration

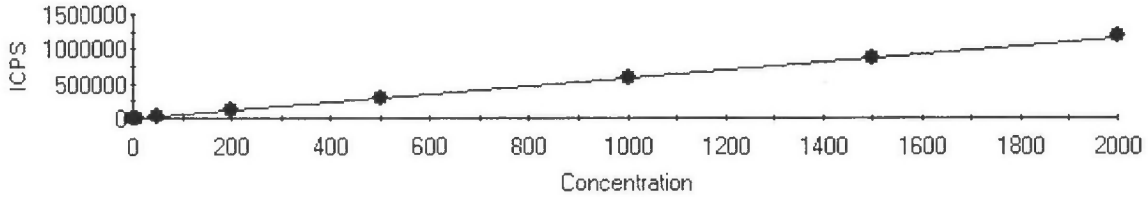
9Be FQ Block 1



Intercept CPS=50.478166 Intercept Conc=0.114540
Sensitivity=440.704188 Correlation Coeff=0.999996

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	50.48	0.00
S2	2.000	1.903	0.097	889.29	4.83
S5	5.000	4.992	0.008	2250.28	0.17
S10	10.000	10.006	0.006	4460.32	0.06
S50	50.000	49.175	0.825	21721.96	1.65
S200	200.000	199.016	0.984	87757.61	0.49
S500	500.000	500.477	0.477	220612.58	0.10

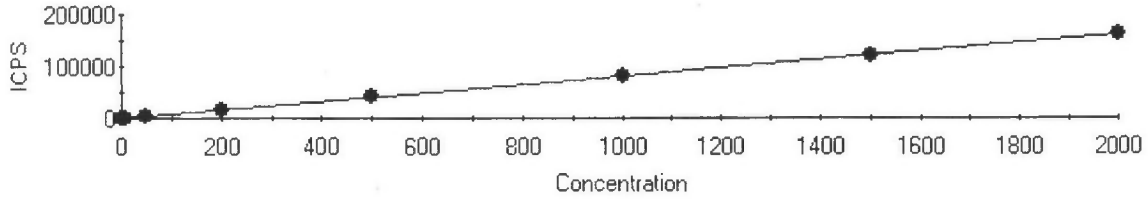
24Mg FQ Block 1



Intercept CPS=219.838786 Intercept Conc=0.377294
Sensitivity=582.672832 Correlation Coeff=0.999982

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	219.84	0.00
S2	2.000	2.043	0.043	1410.22	2.15
S5	5.000	4.866	0.134	3055.11	2.68
S10	10.000	10.032	0.032	6065.44	0.32
S50	50.000	49.349	0.651	28974.16	1.30
S200	200.000	201.511	1.511	117635.01	0.76
S500	500.000	506.593	6.593	295397.95	1.32
S1000	1000.000	996.473	3.527	580837.48	0.35
S1500	1500.000	1491.375	8.625	869203.42	0.58
S2000	2000.000	2006.449	6.449	1169323.42	0.32

25Mg FQ Block 1

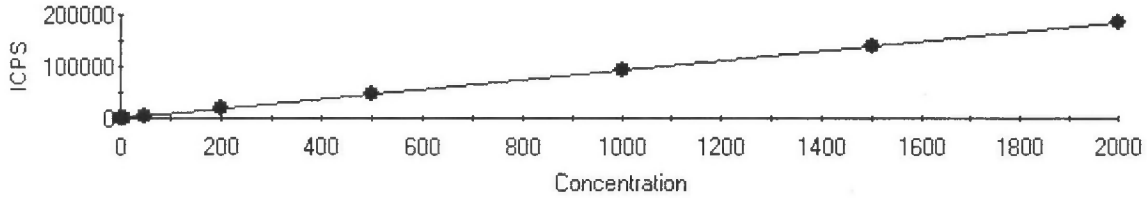


Intercept CPS=40.897761 Intercept Conc=0.509327
Sensitivity=80.297695 Correlation Coeff=0.999965

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	40.90	0.00
S2	2.000	1.832	0.168	187.98	8.41
S5	5.000	4.968	0.032	439.78	0.65
S10	10.000	11.015	1.015	925.37	10.15
S50	50.000	50.202	0.202	4072.02	0.40
S200	200.000	207.386	7.386	16693.54	3.69
S500	500.000	514.686	14.686	41369.00	2.94

S1000	1000.000	1007.184	7.184	80915.45	0.72
S1500	1500.000	1501.653	1.653	120620.16	0.11
S2000	2000.000	1990.748	9.252	159893.40	0.46

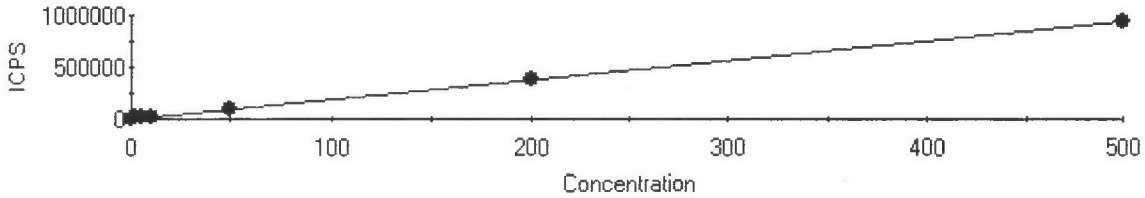
26Mg FQ Block 1



Intercept CPS=49.024750 Intercept Conc=0.530780
Sensitivity=92.363592 Correlation Coeff=0.999956

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	49.02	0.00
S2	2.000	2.021	0.021	235.68	1.05
S5	5.000	5.847	0.847	589.07	16.94
S10	10.000	10.105	0.105	982.33	1.05
S50	50.000	50.859	0.859	4746.53	1.72
S200	200.000	203.634	3.634	18857.40	1.82
S500	500.000	514.257	14.257	47547.61	2.85
S1000	1000.000	1010.190	10.190	93353.78	1.02
S1500	1500.000	1487.756	12.244	137463.49	0.82
S2000	2000.000	2000.137	0.137	184788.83	0.01

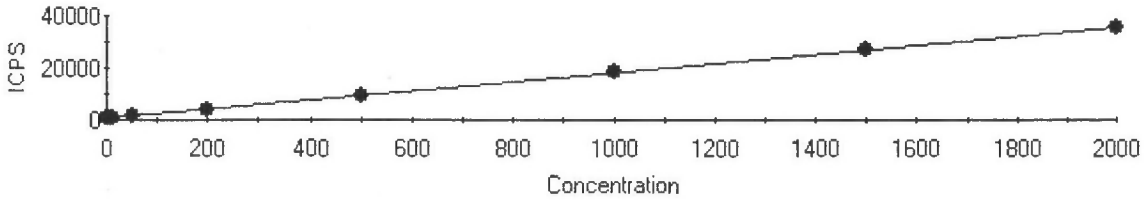
27Al FQ Block 1



Intercept CPS=2560.844390 Intercept Conc=1.351760
Sensitivity=1894.451612 Correlation Coeff=0.999983

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	2560.84	0.00
S2	2.000	4.248	2.248	10608.58	112.40
S5	5.000	5.345	0.345	12687.19	6.91
S10	10.000	11.292	1.292	23952.67	12.92
S50	50.000	49.647	0.353	96614.70	0.71
S200	200.000	198.847	1.153	379266.75	0.58
S500	500.000	500.458	0.458	950654.77	0.09

44Ca FQ Block 1



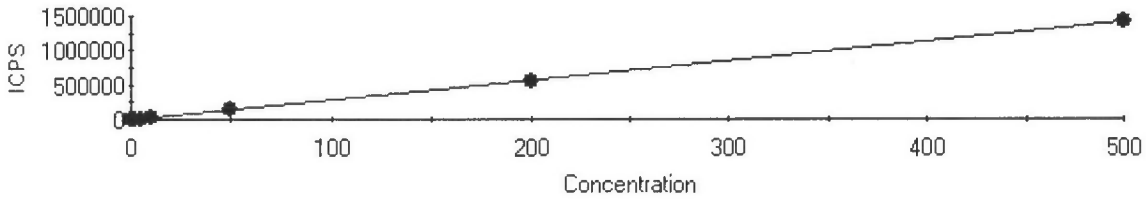
Intercept CPS=432.854802 Intercept Conc=24.700368
Sensitivity=17.524225 Correlation Coeff=0.999970

144

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	432.85	0.00
S2	2.000	6.028	4.028	538.50	201.42

S5	5.000	7.289	2.289	560.58	45.77
S10	10.000	15.518	5.518	704.79	55.18
S50	50.000	53.931	3.931	1377.96	7.86
S200	200.000	196.510	3.490	3876.54	1.75
S500	500.000	508.681	8.681	9347.09	1.74
S1000	1000.000	1013.137	13.137	18187.30	1.31
S1500	1500.000	1498.956	1.044	26700.90	0.07
S2000	2000.000	1992.257	7.743	35345.62	0.39

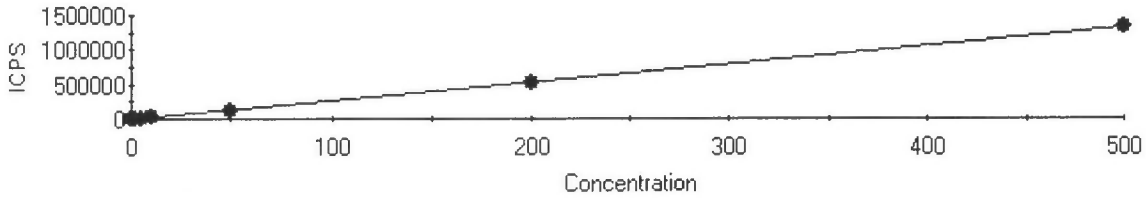
51V FQ Block 1



Intercept CPS=366.443808 Intercept Conc=0.130739
Sensitivity=2802.856984 Correlation Coeff=0.999909

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	366.44	0.00
S2	2.000	1.794	0.206	5395.37	10.29
S5	5.000	4.744	0.256	13663.72	5.12
S10	10.000	9.608	0.392	27295.21	3.92
S50	50.000	47.383	2.617	133174.19	5.23
S200	200.000	194.226	5.774	544754.07	2.89
S500	500.000	502.583	2.583	1409033.43	0.52

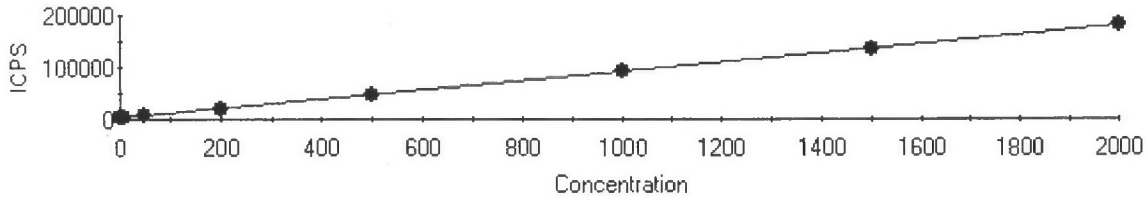
52Cr FQ Block 1



Intercept CPS=948.219594 Intercept Conc=0.355236
Sensitivity=2669.264693 Correlation Coeff=0.999950

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	948.22	0.00
S2	2.000	1.810	0.190	5780.71	9.48
S5	5.000	4.769	0.231	13677.33	4.62
S10	10.000	9.691	0.309	26817.07	3.09
S50	50.000	47.521	2.479	127793.83	4.96
S200	200.000	195.882	4.118	523807.80	2.06
S500	500.000	501.905	1.905	1340664.35	0.38

54Fe FQ Block 1

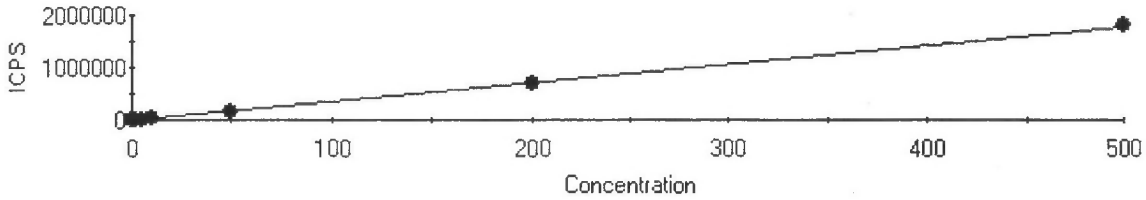


Intercept CPS=2279.293877 Intercept Conc=25.519220
Sensitivity=89.316754 Correlation Coeff=0.999999

Label	Defined	Measured	Error	Mean CPS	% Error

S0	0.000	-0.000	0.000	2279.29	0.00
S2	2.000	0.838	1.162	2354.12	58.11
S5	5.000	3.559	1.441	2597.20	28.81
S10	10.000	8.678	1.322	3054.40	13.22
S50	50.000	47.746	2.254	6543.82	4.51
S200	200.000	198.743	1.257	20030.41	0.63
S500	500.000	500.034	0.034	46940.70	0.01
S1000	1000.000	998.937	1.063	91501.14	0.11
S1500	1500.000	1498.395	1.605	136111.07	0.11
S2000	2000.000	2001.920	1.920	181084.29	0.10

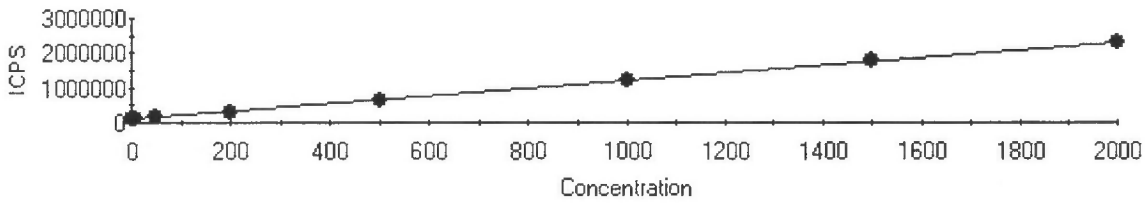
55Mn FQ Block 1



Intercept CPS=337.568435 Intercept Conc=0.094441
Sensitivity=3574.383647 Correlation Coeff=0.999895

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	337.57	0.00
S2	2.000	1.803	0.197	6783.83	9.83
S5	5.000	4.672	0.328	17037.34	6.56
S10	10.000	9.479	0.521	34220.15	5.21
S50	50.000	46.632	3.368	167019.33	6.74
S200	200.000	193.951	6.049	693592.60	3.02
S500	500.000	502.771	2.771	1797433.57	0.55

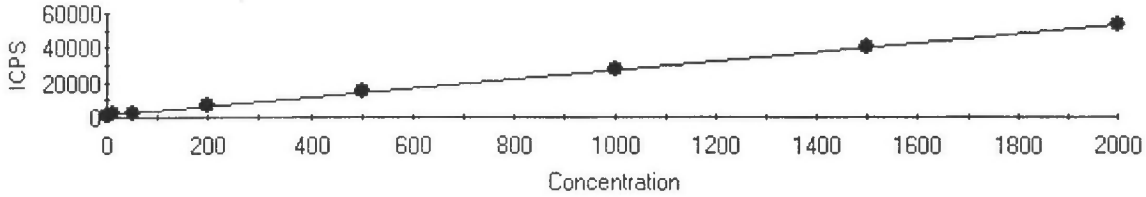
56Fe FQ Block 1



Intercept CPS=92108.996863 Intercept Conc=82.643309
Sensitivity=1114.536655 Correlation Coeff=0.999943

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	92109.00	0.00
S2	2.000	3.572	1.572	96090.33	78.61
S5	5.000	7.234	2.234	100171.75	44.68
S10	10.000	12.714	2.714	106279.30	27.14
S50	50.000	49.250	0.750	147000.39	1.50
S200	200.000	193.519	6.481	307792.62	3.24
S500	500.000	492.950	7.050	641520.03	1.41
S1000	1000.000	982.063	17.937	1186654.23	1.79
S1500	1500.000	1499.055	0.945	1762860.50	0.06
S2000	2000.000	2012.086	12.086	2334652.60	0.60

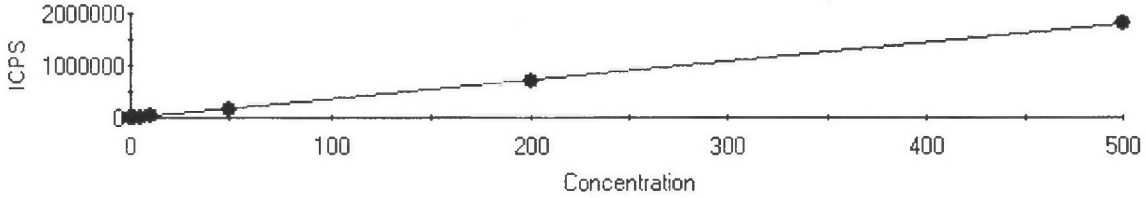
57Fe FQ Block 1



Intercept CPS=1460.218273 Intercept Conc=56.092328
Sensitivity=26.032406 Correlation Coeff=0.999991

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	1460.22	0.00
S2	2.000	5.109	3.109	1593.22	155.45
S5	5.000	10.029	5.029	1721.29	100.58
S10	10.000	13.710	3.710	1817.12	37.10
S50	50.000	51.943	1.943	2812.41	3.89
S200	200.000	198.797	1.203	6635.39	0.60
S500	500.000	504.828	4.828	14602.10	0.97
S1000	1000.000	998.032	1.968	27441.38	0.20
S1500	1500.000	1495.332	4.668	40387.31	0.31
S2000	2000.000	2003.316	3.316	53611.35	0.17

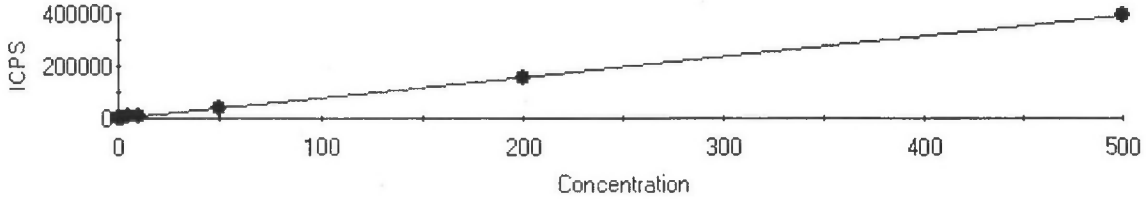
59Co FQ Block 1



Intercept CPS=253.957246 Intercept Conc=0.070973
Sensitivity=3578.223067 Correlation Coeff=0.999908

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	253.96	0.00
S2	2.000	1.824	0.176	6782.18	8.78
S5	5.000	4.718	0.282	17135.30	5.64
S10	10.000	9.523	0.477	34327.75	4.77
S50	50.000	47.302	2.698	169511.34	5.40
S200	200.000	194.197	5.803	695133.23	2.90
S500	500.000	502.604	2.604	1798683.78	0.52

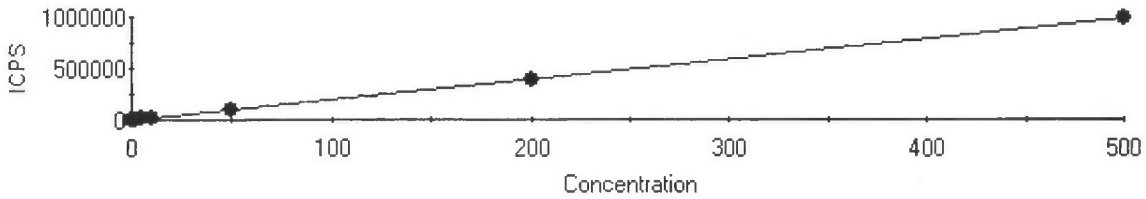
60Ni FQ Block 1



Intercept CPS=80.182773 Intercept Conc=0.101628
Sensitivity=788.986841 Correlation Coeff=0.999978

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	80.18	0.00
S2	2.000	1.877	0.123	1561.06	6.15
S5	5.000	4.881	0.119	3930.99	2.39
S10	10.000	10.255	0.255	8170.90	2.55
S50	50.000	48.455	1.545	38310.85	3.09
S200	200.000	197.336	2.664	155775.31	1.33
S500	500.000	501.217	1.217	395533.68	0.24

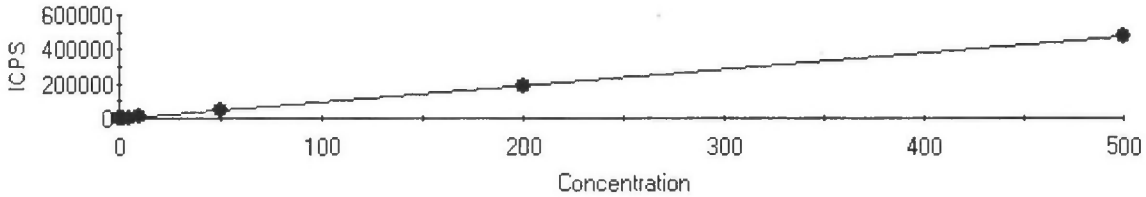
63Cu FQ Block 1



Intercept CPS=386.734250 Intercept Conc=0.196463
Sensitivity=1968.487207 Correlation Coeff=0.999943

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	386.73	0.00
S2	2.000	1.905	0.095	4136.09	4.77
S5	5.000	4.815	0.185	9864.28	3.71
S10	10.000	9.784	0.216	19646.39	2.16
S50	50.000	47.893	2.107	94664.20	4.21
S200	200.000	195.459	4.541	385145.81	2.27
S500	500.000	502.034	2.034	988633.28	0.41

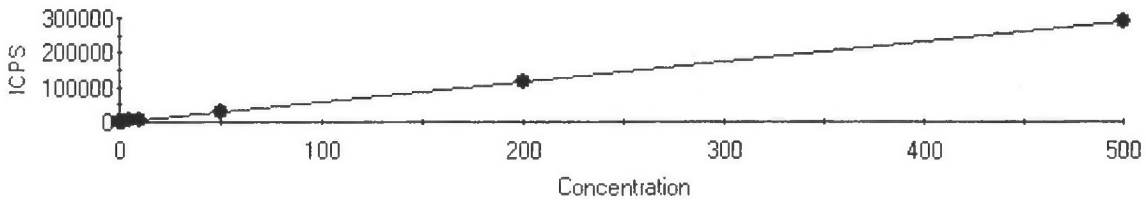
65Cu FQ Block 1



Intercept CPS=180.935974 Intercept Conc=0.193011
Sensitivity=937.437764 Correlation Coeff=0.999984

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	180.94	0.00
S2	2.000	1.890	0.110	1952.50	5.51
S5	5.000	4.976	0.024	4845.23	0.49
S10	10.000	10.052	0.052	9604.47	0.52
S50	50.000	48.872	1.128	45995.03	2.26
S200	200.000	197.626	2.374	185443.47	1.19
S500	500.000	501.062	1.062	469895.27	0.21

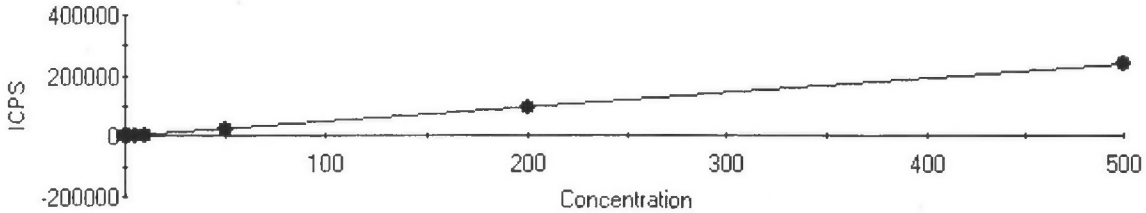
66Zn FQ Block 1



Intercept CPS=227.412086 Intercept Conc=0.394278
Sensitivity=576.781097 Correlation Coeff=0.999984

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	227.41	0.00
S2	2.000	2.395	0.395	1608.71	19.74
S5	5.000	6.322	1.322	3873.78	26.44
S10	10.000	10.632	0.632	6359.55	6.32
S50	50.000	48.846	1.154	28400.90	2.31
S200	200.000	198.398	1.602	114659.62	0.80
S500	500.000	500.729	0.729	289038.30	0.15

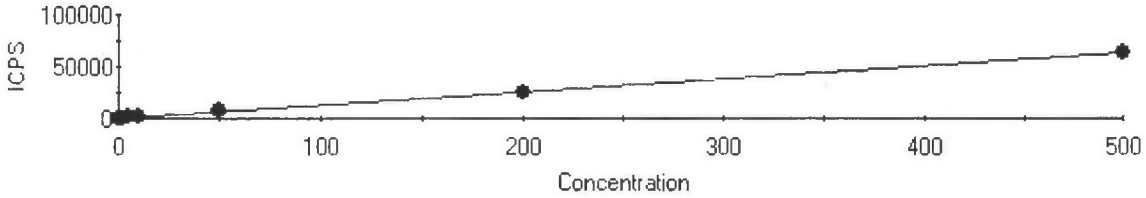
75As FQ Block 1



Intercept CPS=27.360629 Intercept Conc=0.057812
Sensitivity=473.267515 Correlation Coeff=0.999990

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	27.36	0.00
S2	2.000	1.933	0.067	942.24	3.34
S5	5.000	5.033	0.033	2409.29	0.66
S10	10.000	10.082	0.082	4798.76	0.82
S50	50.000	49.137	0.863	23282.31	1.73
S200	200.000	198.107	1.893	93785.01	0.95
S500	500.000	500.842	0.842	237059.50	0.17

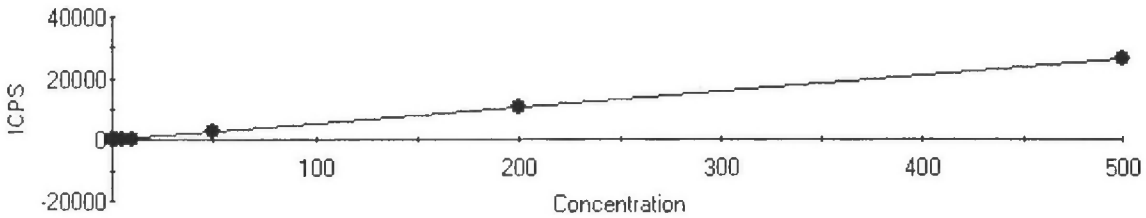
78Se FQ Block 1



Intercept CPS=662.597632 Intercept Conc=5.236004
Sensitivity=126.546428 Correlation Coeff=0.999992

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	662.60	0.00
S2	2.000	2.176	0.176	938.03	8.82
S5	5.000	5.231	0.231	1324.55	4.62
S10	10.000	10.501	0.501	1991.42	5.01
S50	50.000	49.754	0.246	6958.73	0.49
S200	200.000	198.389	1.611	25768.00	0.81
S500	500.000	500.656	0.656	64018.83	0.13

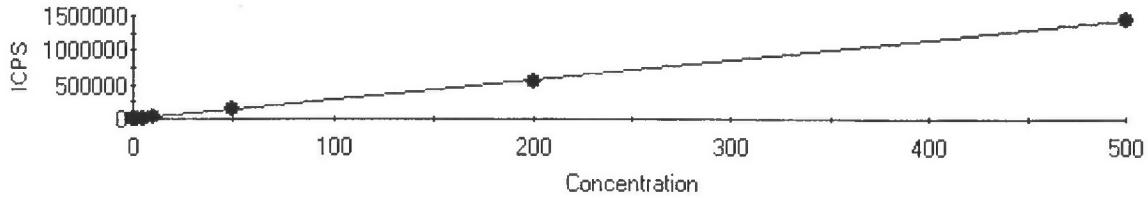
82Se FQ Block 1



Intercept CPS=6.475225 Intercept Conc=0.122719
Sensitivity=52.764618 Correlation Coeff=0.999998

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	6.48	0.00
S2	2.000	1.786	0.214	100.69	10.72
S5	5.000	5.110	0.110	276.08	2.19
S10	10.000	10.083	0.083	538.52	0.83
S50	50.000	50.483	0.483	2670.20	0.97
S200	200.000	199.352	0.648	10525.23	0.32
S500	500.000	500.209	0.209	26399.80	0.04

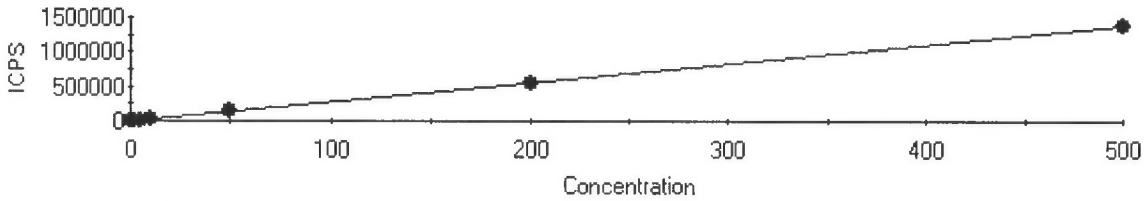
107Ag FQ Block 1



Intercept CPS=105.960184 Intercept Conc=0.037026
Sensitivity=2861.806313 Correlation Coeff=0.999936

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	105.96	0.00
S2	2.000	1.850	0.150	5400.32	7.50
S5	5.000	4.779	0.221	13783.19	4.42
S10	10.000	9.689	0.311	27833.50	3.11
S50	50.000	47.457	2.543	135919.80	5.09
S200	200.000	195.273	4.727	558939.82	2.36
S500	500.000	502.154	2.154	1437173.57	0.43

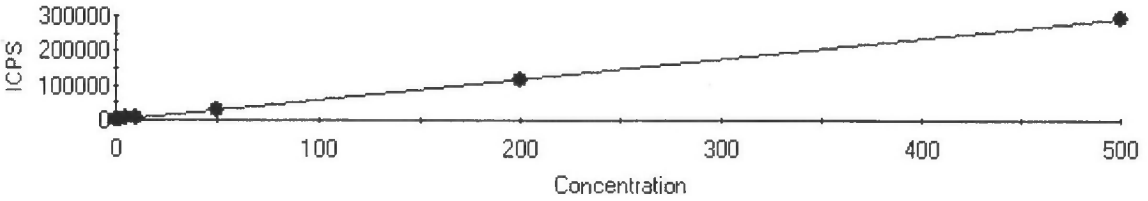
109Ag FQ Block 1



Intercept CPS=86.150134 Intercept Conc=0.031028
Sensitivity=2776.494359 Correlation Coeff=0.999957

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	86.15	0.00
S2	2.000	1.851	0.149	5224.49	7.47
S5	5.000	4.800	0.200	13413.00	4.00
S10	10.000	9.691	0.309	26992.18	3.09
S50	50.000	47.706	2.294	132542.27	4.59
S200	200.000	196.194	3.806	544817.17	1.90
S500	500.000	501.761	1.761	1393221.72	0.35

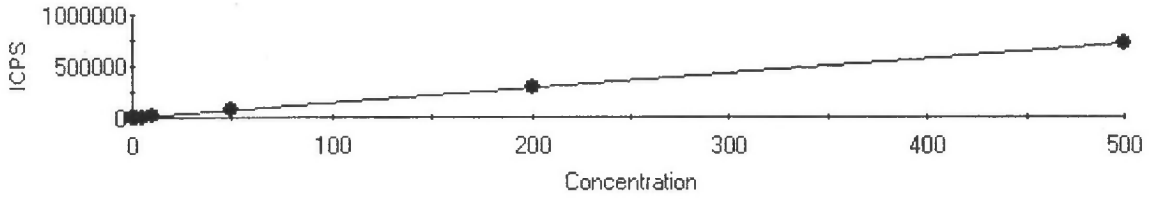
111Cd FQ Block 1



Intercept CPS=39.766355 Intercept Conc=0.067443
Sensitivity=589.627351 Correlation Coeff=0.999996

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	39.77	0.00
S2	2.000	1.893	0.107	1155.72	5.37
S5	5.000	4.947	0.053	2956.83	1.05
S10	10.000	9.889	0.111	5870.51	1.11
S50	50.000	48.746	1.254	28781.71	2.51
S200	200.000	199.348	0.652	117580.76	0.33
S500	500.000	500.389	0.389	295083.05	0.08

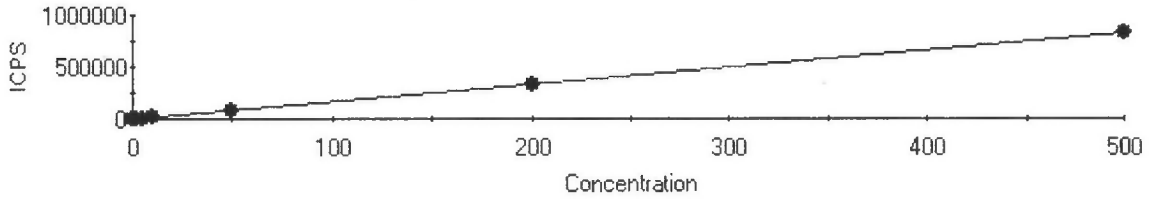
114Cd FQ Block 1



Intercept CPS=94.100355 Intercept Conc=0.066619
Sensitivity=1412.517373 Correlation Coeff=0.999982

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	94.10	0.00
S2	2.000	1.858	0.142	2718.42	7.10
S5	5.000	4.885	0.115	6994.55	2.30
S10	10.000	9.790	0.210	13922.08	2.10
S50	50.000	48.092	1.908	68025.43	3.82
S200	200.000	197.753	2.247	279423.75	1.12
S500	500.000	501.095	1.095	707900.14	0.22

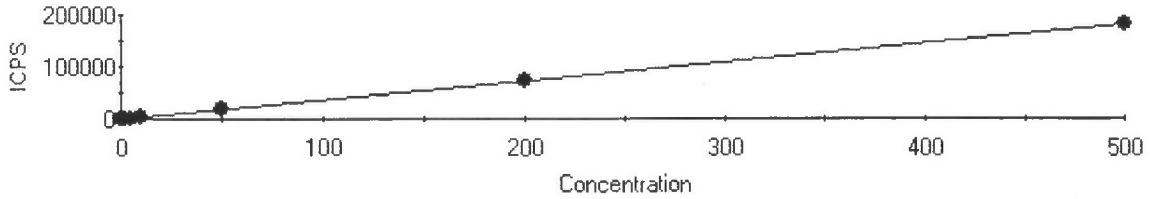
121Sb FQ Block 1



Intercept CPS=334.576942 Intercept Conc=0.201419
Sensitivity=1661.096389 Correlation Coeff=0.999966

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	334.58	0.00
S2	2.000	1.729	0.271	3206.57	13.55
S5	5.000	4.719	0.281	8173.71	5.61
S10	10.000	9.572	0.428	16234.80	4.28
S50	50.000	47.498	2.502	79232.99	5.00
S200	200.000	196.773	3.227	327193.60	1.61
S500	500.000	501.553	1.553	833463.19	0.31

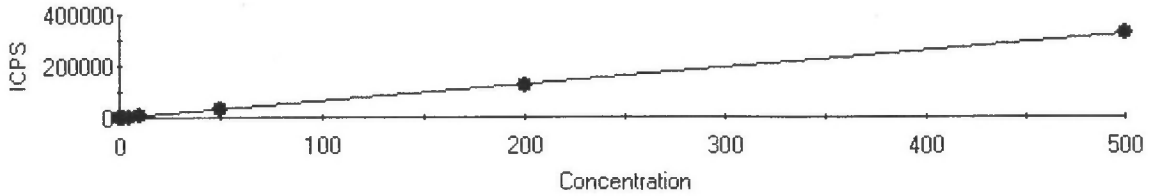
135Ba FQ Block 1



Intercept CPS=28.273853 Intercept Conc=0.077931
Sensitivity=362.807846 Correlation Coeff=0.999992

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	28.27	0.00
S2	2.000	1.847	0.153	698.49	7.64
S5	5.000	4.781	0.219	1762.80	4.38
S10	10.000	9.795	0.205	3582.16	2.05
S50	50.000	49.010	0.990	17809.39	1.98
S200	200.000	198.341	1.659	71987.80	0.83
S500	500.000	500.770	0.770	181711.44	0.15

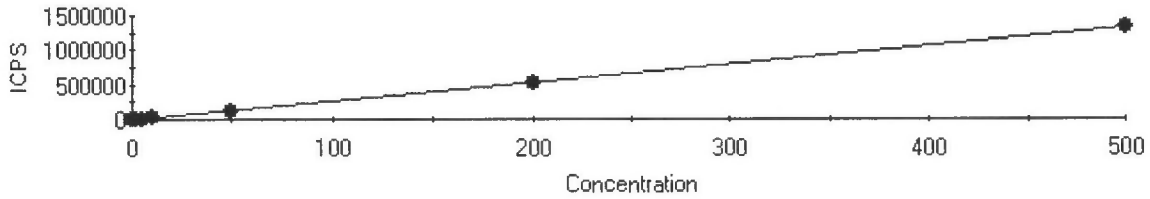
137Ba FQ Block 1



Intercept CPS=51.113170 Intercept Conc=0.079597
Sensitivity=642.148339 Correlation Coeff=0.999979

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	51.11	0.00
S2	2.000	1.848	0.152	1237.53	7.62
S5	5.000	5.005	0.005	3264.99	0.10
S10	10.000	10.019	0.019	6484.95	0.19
S50	50.000	49.033	0.967	31537.62	1.93
S200	200.000	197.193	2.807	126678.35	1.40
S500	500.000	501.220	1.220	321908.46	0.24

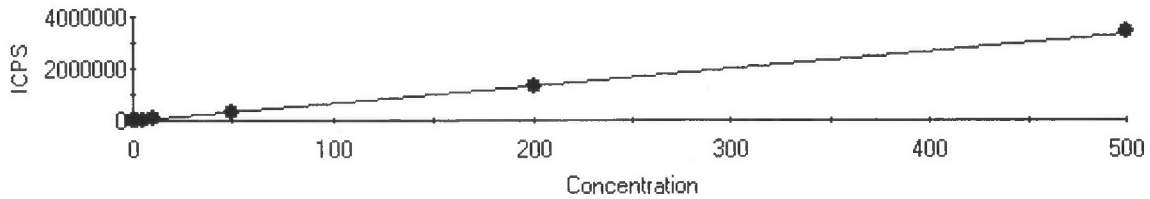
203Tl FQ Block 1



Intercept CPS=318.781928 Intercept Conc=0.120016
Sensitivity=2656.168316 Correlation Coeff=0.999922

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	318.78	0.00
S2	2.000	1.805	0.195	5114.01	9.73
S5	5.000	4.760	0.240	12961.11	4.81
S10	10.000	9.587	0.413	25783.90	4.13
S50	50.000	47.350	2.650	126088.05	5.30
S200	200.000	194.709	5.291	517497.94	2.65
S500	500.000	502.393	2.393	1334759.04	0.48

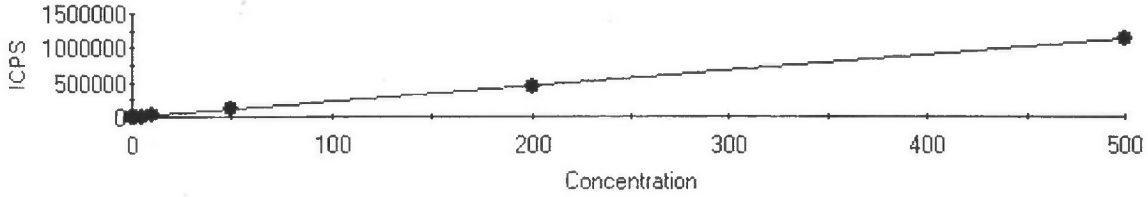
205Tl FQ Block 1



Intercept CPS=789.883488 Intercept Conc=0.118818
Sensitivity=6647.867145 Correlation Coeff=0.999772

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	789.88	0.00
S2	2.000	1.734	0.266	12316.71	13.30
S5	5.000	4.568	0.432	31159.85	8.63
S10	10.000	9.185	0.815	61847.47	8.15
S50	50.000	45.679	4.321	304457.30	8.64
S200	200.000	190.859	9.141	1269592.63	4.57
S500	500.000	504.110	4.110	3352048.51	0.82

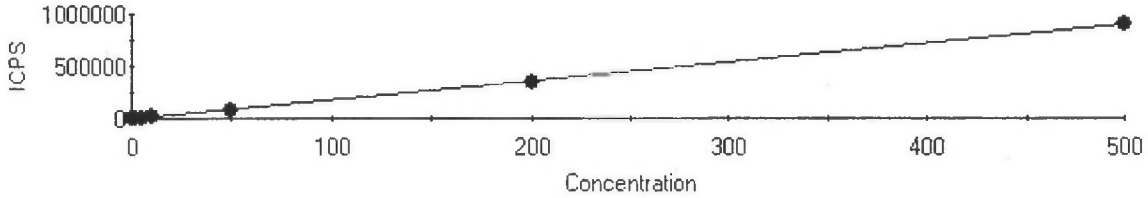
206Pb FQ Block 1



Intercept CPS=223.172390 Intercept Conc=0.099242
Sensitivity=2248.761412 Correlation Coeff=0.999952

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	223.17	0.00
S2	2.000	1.806	0.194	4285.37	9.68
S5	5.000	4.759	0.241	10924.07	4.83
S10	10.000	9.583	0.417	21773.70	4.17
S50	50.000	47.487	2.513	107008.99	5.03
S200	200.000	196.002	3.998	440984.26	2.00
S500	500.000	501.862	1.862	1128791.49	0.37

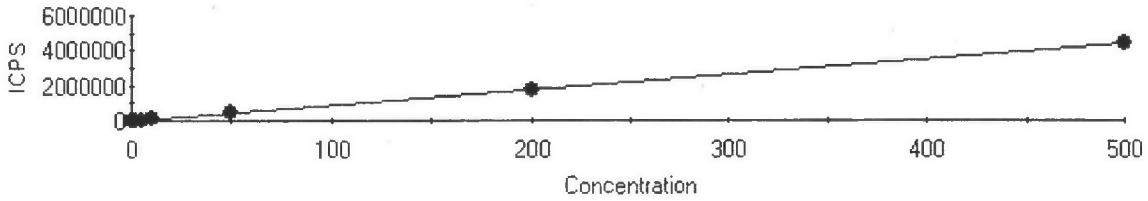
207Pb FQ Block 1



Intercept CPS=169.924241 Intercept Conc=0.094886
Sensitivity=1790.824929 Correlation Coeff=0.999946

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	169.92	0.00
S2	2.000	1.842	0.158	3468.05	7.92
S5	5.000	4.825	0.175	8809.97	3.51
S10	10.000	9.831	0.169	17775.40	1.69
S50	50.000	47.866	2.134	85890.13	4.27
S200	200.000	195.631	4.369	350511.51	2.18
S500	500.000	501.967	1.967	899104.18	0.39

208Pb FQ Block 1



Intercept CPS=829.441579 Intercept Conc=0.095367
Sensitivity=8697.338080 Correlation Coeff=0.999898

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	829.44	0.00
S2	2.000	1.792	0.208	16415.09	10.40
S5	5.000	4.725	0.275	41925.25	5.50
S10	10.000	9.545	0.455	83847.59	4.55
S50	50.000	46.936	3.064	409043.44	6.13
S200	200.000	193.964	6.036	1687795.61	3.02
S500	500.000	502.734	2.734	4373274.60	0.55

Dilution Corrected Concentrations

S0 06/18/2008 15:10:31

User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:11:09	99.99%	-0.0615	-0.1526	-0.3211	0.0149	-0.1753	-2.1108	98.47%
2	15:11:45	99.45%	-0.0137	-0.0487	-0.1956	0.0148	-0.0533	-1.1575	99.00%
3	15:12:22	99.87%	0.0502	0.1389	0.1775	0.0120	0.0645	2.4432	99.59%
4	15:12:59	100.58%	0.0321	0.0997	0.1706	0.1677	0.1546	1.4544	100.93%
5	15:13:36	100.11%	-0.0070	-0.0374	0.1687	-0.2094	0.0096	-0.6294	102.01%
x		100.00%	0.0000	-0.0000	0.0000	0.0000	-0.0000	0.0000	100.00%
%RSD		0.41	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.45

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:11:09	0.0315	-0.0512	-0.0618	-0.1061	-0.0595	0.5664	0.6014	-0.0567
2	15:11:45	0.0106	0.0072	0.0194	-0.6995	0.0010	0.2397	-1.0475	0.0025
3	15:12:22	-0.0172	0.0007	0.0088	-0.0580	0.0332	0.9216	-0.0706	0.0186
4	15:12:59	-0.0065	0.0478	-0.0108	-0.2302	0.0232	-0.5072	0.4175	0.0375
5	15:13:36	-0.0184	-0.0045	0.0444	1.0939	0.0021	-1.2205	0.0993	-0.0019
x		-0.0000	0.0000	-0.0000	-0.0000	0.0000	-0.0000	0.0000	-0.0000
%RSD		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:11:09	-0.0725	-0.0381	-0.0321	-0.0217	-0.0439	-0.3765	0.0065	0.0040
2	15:11:45	-0.0119	-0.0140	-0.0041	0.0049	-0.0768	-0.0108	-0.1396	0.2340
3	15:12:22	0.0539	0.0605	0.0580	-0.0038	0.1044	0.1670	0.2392	0.1761
4	15:12:59	0.0174	-0.0007	-0.0165	0.0081	0.0448	0.4899	0.0944	-0.5687
5	15:13:36	0.0131	-0.0077	-0.0053	0.0124	-0.0285	-0.2695	-0.2006	0.1547
x		0.0000	-0.0000	-0.0000	0.0000	0.0000	0.0000	-0.0000	-0.0000
%RSD		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:11:09	96.92%	-0.0109	-0.9763	-0.0157	-0.0568	-0.0533	96.98%	0.0000
2	15:11:45	98.58%	0.0016	0.1226	-0.0081	-0.0008	-0.0002	98.15%	0.0000
3	15:12:22	100.23%	-0.0001	0.3653	0.0053	0.0272	0.0394	100.52%	0.0000
4	15:12:59	101.61%	0.0042	0.2929	0.0044	0.0196	0.0251	101.85%	0.0000
5	15:13:36	102.66%	0.0051	0.1954	0.0142	0.0109	-0.0110	102.50%	0.0000
x		100.00%	-0.0000	-0.0000	0.0000	0.0000	-0.0000	100.00%	0.0000
%RSD		2.30	0.0000	0.0000	0.0000	0.0000	0.0000	2.37	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:11:09	-0.0927	-0.0566	-0.0635	96.46%	-0.0689	-0.0758	-0.0679	-0.0686
2	15:11:45	0.0009	-0.0218	0.0036	98.47%	0.0309	0.0316	0.0222	0.0194
3	15:12:22	0.0264	0.0458	0.0176	99.86%	0.0458	0.0475	0.0324	0.0412
4	15:12:59	0.0511	0.0098	0.0309	102.42%	0.0160	0.0177	0.0200	0.0136
5	15:13:36	0.0143	0.0228	0.0114	102.79%	-0.0238	-0.0210	-0.0066	-0.0056
x		-0.0000	-0.0000	-0.0000	100.00%	0.0000	0.0000	0.0000	0.0000
%RSD		0.0000	0.0000	0.0000	2.67	0.0000	0.0000	0.0000	0.0000

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	15:11:09	-0.0644	95.65%	0.0000
2	15:11:45	0.0130	98.92%	0.0000
3	15:12:22	0.0267	100.55%	0.0000
4	15:12:59	0.0243	101.62%	0.0000
5	15:13:36	0.0004	103.26%	0.0000
x		0.0000	100.00%	0.0000
%RSD		0.0000	2.90	0.0000

S2 06/18/2008 15:15:57

User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:16:33	100.33%	1.9718	1.8097	2.1893	2.0351	4.0404	4.3339	98.08%
2	15:17:10	100.37%	1.8491	2.2231	1.9907	2.2958	4.2060	7.8397	98.86%
3	15:17:47	102.65%	1.8870	2.0411	1.3869	1.8101	4.3205	8.6428	100.92%
4	15:18:24	101.66%	1.8414	2.1622	1.7636	1.8729	4.2621	1.8750	101.06%
5	15:19:00	102.04%	1.9674	1.9786	1.8282	2.0908	4.4113	7.4503	100.38%
x		101.41%	1.9033	2.0430	1.8318	2.0209	4.2481	6.0283	99.86%
%RSD		1.02	3.3062	7.9399	16.2790	9.4873	3.2656	47.1090	1.33

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:16:33	0.1433	1.7292	1.8020	-0.0999	1.7755	4.7939	11.0960	1.8569
2	15:17:10	0.0686	1.6346	1.7080	0.9510	1.7624	4.0612	3.9841	1.7500
3	15:17:47	0.0201	1.9283	1.8615	0.9925	1.8217	2.8025	1.8982	1.8078
4	15:18:24	0.0551	1.8540	1.8498	1.2865	1.8076	2.6690	3.0407	1.9107
5	15:19:00	-0.0076	1.8249	1.8308	1.0586	1.8500	3.5344	5.5261	1.7967
x		0.0559	1.7942	1.8104	0.8377	1.8035	3.5722	5.1090	1.8244
%RSD		102.3900	6.3667	3.3971	64.4530	1.9570	24.8080	70.4840	3.3648

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:16:33	1.8181	1.9269	1.9275	2.4669	1.8839	2.3892	1.9084	-0.2305
2	15:17:10	1.9243	1.8828	1.8661	2.4289	1.9306	1.8145	1.7283	-0.3895
3	15:17:47	1.8606	2.0271	1.9167	2.4313	1.9698	2.3586	1.8632	0.3870
4	15:18:24	1.8762	1.8843	1.8450	2.2824	2.0633	2.2576	1.9294	0.9209
5	15:19:00	1.9055	1.8023	1.8938	2.3647	1.8180	2.0626	1.4989	-0.0051
x		1.8769	1.9047	1.8898	2.3948	1.9331	2.1765	1.7856	0.1366
%RSD		2.1937	4.3026	1.8190	3.0433	4.7675	10.9940	9.9906	385.6400

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:16:33	95.15%	1.8155	-1.4057	1.8705	1.9835	1.8046	94.06%	0.0000
2	15:17:10	97.94%	1.8064	-0.3632	1.8228	1.9033	1.9090	97.32%	0.0000
3	15:17:47	100.02%	1.9021	0.0880	1.9169	1.9087	1.8754	99.15%	0.0000
4	15:18:24	100.72%	1.8496	0.3921	1.8482	1.8105	1.7916	100.76%	0.0000
5	15:19:00	101.41%	1.8765	-0.6689	1.7949	1.8571	1.9090	100.88%	0.0000
x		99.05%	1.8500	-0.3915	1.8507	1.8926	1.8579	98.43%	0.0000
%RSD		2.56	2.1812	178.3400	2.5148	3.4076	3.0406	2.89	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:16:33	1.6452	1.5322	1.8249	92.40%	1.7713	1.7137	1.8303	1.7983
2	15:17:10	1.7514	1.8771	1.9015	96.47%	1.8076	1.7503	1.7903	1.8137
3	15:17:47	1.6905	1.8479	1.8374	99.08%	1.8161	1.7549	1.8048	1.8597
4	15:18:24	1.6917	2.0075	2.0063	100.08%	1.8565	1.7518	1.7899	1.8309
5	15:19:00	1.8661	1.9718	1.6678	100.10%	1.7751	1.6990	1.8168	1.9057
x		1.7290	1.8473	1.8476	97.63%	1.8053	1.7339	1.8064	1.8417
%RSD		4.9408	10.1750	6.6862	3.35	1.9217	1.4871	0.9637	2.3043

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	15:16:33	1.7768	92.87%	0.0000
2	15:17:10	1.7828	96.27%	0.0000
3	15:17:47	1.7937	98.86%	0.0000
4	15:18:24	1.7829	99.75%	0.0000
5	15:19:00	1.8238	100.30%	0.5431
x		1.7920	97.61%	0.1086
%RSD		1.0502	3.14	223.6100

S5 06/18/2008 15:21:19

User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:21:56	101.08%	4.9791	4.9098	4.4925	6.1601	5.2260	6.4425	98.08%
2	15:22:33	100.90%	5.0543	4.7741	5.4528	6.1126	5.4626	4.4575	99.60%
3	15:23:09	101.70%	5.0513	5.0172	5.5948	6.1185	5.5213	11.6830	100.26%
4	15:23:46	101.72%	4.8855	4.7013	5.3258	4.6498	5.3307	4.0897	101.02%
5	15:24:23	101.54%	4.9875	4.9274	3.9719	6.1939	5.1858	9.7710	101.33%
x		101.39%	4.9916	4.8660	4.9675	5.8470	5.3453	7.2887	100.06%
%RSD		0.37	1.3779	2.6020	14.1430	11.4600	2.7211	45.7270	1.29

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:21:56	0.0906	4.7864	4.8252	5.2692	4.5511	8.6568	11.8780	4.6773
2	15:22:33	0.1388	4.8080	4.8871	3.4176	4.7121	7.6359	11.1860	4.7002
3	15:23:09	0.0746	4.6449	4.7296	2.6609	4.7705	6.3737	11.8870	4.8020
4	15:23:46	0.0412	4.7154	4.6877	3.2551	4.6555	7.0491	9.0613	4.6752
5	15:24:23	0.0529	4.7662	4.7142	3.1940	4.6711	6.4554	6.1317	4.7344
x		0.0796	4.7442	4.7688	3.5593	4.6721	7.2342	10.0290	4.7178
%RSD		48.0120	1.3757	1.7633	28.0140	1.7327	13.0520	24.5940	1.1186

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:21:56	4.7947	4.6606	4.8935	6.1141	5.1571	5.8141	5.0187	0.1663
2	15:22:33	4.9361	4.9313	4.8974	6.4951	4.8603	4.7175	4.8854	0.5008
3	15:23:09	4.9376	4.8510	5.1433	6.2692	5.1580	5.4894	5.6136	-0.1183
4	15:23:46	5.0021	4.7501	4.9988	6.4076	4.9768	5.1477	5.0891	-0.6527
5	15:24:23	4.7330	4.8801	4.9449	6.3236	5.0125	4.9859	4.9413	0.3772
x		4.8807	4.8146	4.9756	6.3219	5.0329	5.2309	5.1096	0.0547
%RSD		2.2964	2.2537	2.0711	2.2830	2.5215	8.2088	5.7163	841.3000

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:21:56	94.33%	4.8750	-1.8164	4.8626	4.8456	4.8851	92.97%	0.0000
2	15:22:33	97.03%	4.8393	-0.8303	4.7882	4.9689	4.9039	95.66%	0.0000
3	15:23:09	98.24%	4.7651	-0.8187	4.8024	4.7996	4.8655	97.82%	0.0000
4	15:23:46	99.44%	4.6524	0.0208	4.7690	5.2581	4.9345	99.41%	0.0000
5	15:24:23	100.23%	4.7643	-0.6973	4.7772	4.8642	4.8372	100.52%	0.0000
x		97.85%	4.7792	-0.8284	4.7999	4.9473	4.8852	97.27%	0.0000
%RSD		2.37	1.7903	79.0380	0.7754	3.7290	0.7572	3.11	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:21:56	4.5931	4.7093	5.2240	91.77%	4.7720	4.5624	4.7879	4.8173
2	15:22:33	4.6377	4.7730	5.0855	94.93%	4.8048	4.5960	4.7369	4.7486
3	15:23:09	4.7367	5.0191	5.0226	96.49%	4.8272	4.5579	4.8510	4.8774
4	15:23:46	4.9952	4.7618	4.8843	98.44%	4.7003	4.5704	4.6818	4.7521
5	15:24:23	4.6335	4.6411	4.8080	99.45%	4.6938	4.5552	4.7352	4.9277
x		4.7193	4.7809	5.0049	96.22%	4.7596	4.5684	4.7586	4.8246
%RSD		3.4552	2.9916	3.2852	3.16	1.2700	0.3607	1.3424	1.6219

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	15:21:56	4.7309	90.95%	0.0000
2	15:22:33	4.7201	94.27%	0.0000
3	15:23:09	4.7917	96.78%	0.0000
4	15:23:46	4.6621	98.35%	0.0000
5	15:24:23	4.7207	99.80%	0.0000
x		4.7251	96.03%	0.0000
%RSD		0.9746	3.64	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:27:19	100.87%	10.1200	9.5580	11.4600	10.4280	11.2940	15.9650	97.84%
2	15:27:56	101.35%	10.2320	9.6870	10.7760	10.8490	11.3950	17.7470	99.47%
3	15:28:33	101.04%	9.9934	10.4360	10.9890	9.4675	11.4750	13.4390	100.40%
4	15:29:10	102.85%	9.8142	10.4590	11.2550	10.6550	11.3720	16.2000	101.45%
5	15:29:47	101.87%	9.8727	10.0220	10.5940	9.1240	10.9230	14.2380	101.13%
x		101.60%	10.0060	10.0320	11.0150	10.1050	11.2920	15.5180	100.06%
%RSD		0.78	1.7206	4.1367	3.1799	7.5518	1.9140	10.9730	1.46

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:27:19	0.2007	9.3572	9.6036	8.4610	9.3656	14.1390	17.4600	9.4939
2	15:27:56	0.0979	9.7685	9.7411	8.8849	9.4901	13.5690	13.6380	9.4423
3	15:28:33	0.0352	9.5247	9.7956	7.6984	9.5968	12.5890	10.6850	9.6353
4	15:29:10	0.0755	9.7280	9.5922	10.1300	9.4732	11.1600	12.6850	9.3858
5	15:29:47	0.0374	9.6597	9.7244	8.2162	9.4708	12.1140	14.0820	9.6554
x		0.0893	9.6076	9.6914	8.6782	9.4793	12.7140	13.7100	9.5225
%RSD		75.7050	1.7469	0.9221	10.5810	0.8659	9.2638	18.0160	1.2462

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:27:19	10.4780	9.6240	10.1680	10.5680	10.1400	10.9220	10.3710	-0.5582
2	15:27:56	10.2990	9.8648	9.9110	10.9600	10.4080	10.2930	9.6095	-0.2197
3	15:28:33	10.4670	9.7113	9.8861	10.3550	10.1280	10.7970	10.7180	-0.1314
4	15:29:10	10.1020	9.7794	10.1650	10.4390	9.7051	10.5150	9.8365	-0.0364
5	15:29:47	9.9273	9.9404	10.1320	10.8370	10.0280	9.9760	9.8817	0.7910
x		10.2550	9.7840	10.0520	10.6320	10.0820	10.5010	10.0830	-0.0309
%RSD		2.3251	1.2717	1.4075	2.4332	2.5138	3.6380	4.4666	1615.7000

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:27:19	93.74%	9.6337	-1.0933	9.8310	9.6685	9.8592	91.64%	0.0000
2	15:27:56	96.98%	9.8027	-0.3267	9.7035	9.9848	9.6308	96.21%	0.0000
3	15:28:33	98.64%	9.6606	-1.7944	9.6872	9.7226	9.7533	98.47%	0.0000
4	15:29:10	99.99%	9.6503	0.1920	9.7081	9.9688	9.8640	99.62%	0.0000
5	15:29:47	100.44%	9.6968	-0.3206	9.5235	10.1000	9.8408	99.99%	0.0000
x		97.96%	9.6888	-0.6686	9.6906	9.8889	9.7896	97.19%	0.0000
%RSD		2.77	0.6993	116.4900	1.1321	1.8663	1.0157	3.53	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:27:19	9.5441	9.8999	10.0830	90.33%	9.6413	9.1735	9.5404	9.7703
2	15:27:56	9.4154	9.7057	10.1410	94.41%	9.6624	9.2239	9.5154	10.0580
3	15:28:33	9.5055	9.7056	10.2120	96.81%	9.6115	9.1474	9.5758	9.8575
4	15:29:10	9.8054	10.0870	9.6269	98.84%	9.5119	9.2087	9.5367	9.8348
5	15:29:47	9.5902	9.5790	10.0330	98.90%	9.5087	9.1692	9.7481	9.6344
x		9.5721	9.7955	10.0190	95.86%	9.5872	9.1845	9.5833	9.8309
%RSD		1.5188	2.0358	2.2884	3.75	0.7559	0.3386	0.9879	1.5630

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	15:27:19	9.4913	89.53%	0.0000
2	15:27:56	9.5973	94.15%	0.0000
3	15:28:33	9.5538	96.74%	0.0000
4	15:29:10	9.5333	98.61%	0.0000
5	15:29:47	9.5504	99.13%	0.0000
x		9.5452	95.63%	0.0000
%RSD		0.4013	4.11	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:32:44	100.03%	49.4970	48.6120	49.4410	49.1030	50.0980	47.6940	96.70%
2	15:33:21	102.33%	48.0790	47.7260	49.6220	49.4570	49.4580	54.6050	98.66%
3	15:33:58	101.18%	49.5350	50.7300	49.3510	51.7930	49.8090	53.9900	98.65%
4	15:34:35	100.35%	49.7100	50.0340	52.7280	52.1710	50.0420	52.9510	99.22%
5	15:35:11	103.22%	49.0530	49.6430	49.8690	51.7690	48.8280	60.4170	100.24%
x		101.42%	49.1750	49.3490	50.2020	50.8590	49.6470	53.9310	98.69%
%RSD		1.32	1.3400	2.4065	2.8399	2.8615	1.0521	8.4149	1.31

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:32:44	0.1843	48.2810	47.4220	47.4620	46.4830	49.7810	57.8590	47.7320
2	15:33:21	0.0746	47.4920	47.5150	48.2720	46.6930	48.9580	49.2700	47.0430
3	15:33:58	0.0817	47.1980	47.3430	47.7550	47.0180	49.3750	53.1690	47.3300
4	15:34:35	0.0427	47.3600	47.8580	48.1400	46.5120	49.2460	55.6000	47.2710
5	15:35:11	0.0390	46.5840	47.4660	47.1030	46.4550	48.8910	43.8140	47.1340
x		0.0845	47.3830	47.5210	47.7460	46.6320	49.2500	51.9430	47.3020
%RSD		69.7140	1.2887	0.4179	1.0079	0.5037	0.7265	10.6800	0.5609

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:32:44	48.4180	48.1290	49.6300	48.8060	49.1320	49.7890	51.6770	0.0397
2	15:33:21	48.9290	48.6470	49.2670	48.8130	48.8010	49.5940	49.4490	-0.6276
3	15:33:58	49.0770	47.3990	47.8080	49.6550	49.1230	50.4580	51.1640	-0.5906
4	15:34:35	48.2370	47.5180	49.1580	48.6790	49.8030	50.4930	49.5830	0.3398
5	15:35:11	47.6160	47.7750	48.4950	48.2770	48.8270	48.4330	50.5430	-0.9259
x		48.4550	47.8930	48.8720	48.8460	49.1370	49.7540	50.4830	-0.3529
%RSD		1.2053	1.0560	1.4780	1.0283	0.8223	1.6853	1.9235	148.2100

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:32:44	93.88%	47.4870	-0.1836	47.8300	48.6980	48.2150	92.13%	0.0000
2	15:33:21	96.12%	47.3050	-1.7445	47.8780	49.0880	48.0510	95.42%	0.0000
3	15:33:58	97.44%	47.7100	-0.1845	47.5800	48.8740	48.0370	96.76%	0.0000
4	15:34:35	97.55%	47.3920	-3.0436	47.6910	48.4600	48.0090	98.11%	0.0000
5	15:35:11	99.16%	47.3930	-1.2979	47.5520	48.6100	48.1500	99.12%	0.0000
x		96.83%	47.4570	-1.2908	47.7060	48.7460	48.0920	96.31%	0.0000
%RSD		2.03	0.3268	92.7060	0.3052	0.4980	0.1804	2.82	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:32:44	47.0420	49.0250	48.7580	89.76%	47.5040	45.8510	47.7220	47.6420
2	15:33:21	47.8810	50.1660	49.2810	93.91%	47.2590	45.5980	47.4960	47.9800
3	15:33:58	47.4430	48.8700	48.7820	95.85%	47.0590	45.6760	47.3970	47.7770
4	15:34:35	47.5070	48.6340	48.6250	97.85%	47.3930	45.5160	47.8580	48.0870
5	15:35:11	47.6150	48.3540	49.7200	98.30%	47.5340	45.7540	46.9590	47.8450
x		47.4980	49.0100	49.0330	95.13%	47.3500	45.6790	47.4870	47.8660
%RSD		0.6414	1.4164	0.9338	3.65	0.4125	0.2861	0.7288	0.3624

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	15:32:44	46.8320	89.79%	0.0000
2	15:33:21	46.8870	93.64%	0.0000
3	15:33:58	47.0430	96.05%	0.0000
4	15:34:35	47.0010	97.18%	0.0000
5	15:35:11	46.9140	97.99%	0.0000
x		46.9360	94.93%	0.0000
%RSD		0.1828	3.48	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:38:09	98.26%	200.0100	193.6200	206.9500	202.9500	199.8300	187.9400	95.07%
2	15:38:45	98.40%	199.4400	199.1200	202.5300	207.3400	198.1200	199.3600	95.58%
3	15:39:22	98.97%	197.8500	200.7700	208.7700	202.0700	197.9600	187.1600	96.55%
4	15:39:59	97.61%	200.7000	204.6200	208.8200	204.6000	199.0400	205.3600	96.80%
5	15:40:36	98.25%	197.0800	209.4300	209.8600	201.2100	199.2900	202.7300	97.28%
x		98.30%	199.0200	201.5100	207.3900	203.6300	198.8500	196.5100	96.26%
%RSD		0.49	0.7574	2.9456	1.4043	1.1888	0.3993	4.3027	0.94

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:38:09	0.2124	193.8800	195.7500	193.7000	193.9200	192.8200	202.0000	196.4400
2	15:38:45	0.0852	192.8200	195.4700	197.1800	192.2600	193.3000	214.5500	195.0200
3	15:39:22	0.0938	194.2400	195.6100	201.4600	194.9100	194.2400	192.9400	193.6700
4	15:39:59	0.0675	196.1500	195.7300	200.9100	193.6600	193.4700	191.6600	192.5800
5	15:40:36	0.0644	194.0500	196.8400	200.4600	195.0000	193.7600	192.8400	193.2700
x		0.1047	194.2300	195.8800	198.7400	193.9500	193.5200	198.8000	194.2000
%RSD		58.7220	0.6227	0.2806	1.6477	0.5748	0.2737	4.8967	0.7916

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:38:09	198.9300	196.9900	199.6800	197.6600	199.5400	198.9500	202.2400	0.8682
2	15:38:45	198.0300	196.5000	198.4700	199.8100	199.0500	199.1900	201.3400	-0.0616
3	15:39:22	197.0300	195.2100	197.3200	197.1900	198.9100	199.3700	200.3600	0.3059
4	15:39:59	195.7500	194.2300	196.8100	197.5200	197.5600	197.4300	197.6900	0.5815
5	15:40:36	196.9400	194.3700	195.8600	199.8000	195.4600	196.9900	195.1200	0.1385
x		197.3400	195.4600	197.6300	198.4000	198.1100	198.3900	199.3500	0.3665
%RSD		0.6093	0.6374	0.7517	0.6533	0.8336	0.5519	1.4614	99.9560

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:38:09	92.15%	196.3200	-0.1220	197.4000	200.5100	198.2100	91.63%	0.0000
2	15:38:45	94.86%	194.8700	0.2184	196.8800	199.6500	198.3200	94.89%	0.0000
3	15:39:22	96.87%	196.4800	2.1767	196.0400	197.3400	197.1200	97.39%	0.0000
4	15:39:59	97.24%	195.0600	-0.7191	196.2600	199.6400	198.1200	98.03%	0.0000
5	15:40:36	99.59%	193.6300	0.2516	194.3900	199.6100	196.9900	100.26%	0.0000
x		96.14%	195.2700	0.3611	196.1900	199.3500	197.7500	96.44%	0.0000
%RSD		2.91	0.5982	301.1100	0.5817	0.5953	0.3254	3.42	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:38:09	195.3600	198.7700	198.6100	90.70%	195.2000	191.1900	196.3100	196.8400
2	15:38:45	196.1400	198.5100	195.4300	95.18%	195.3900	191.2800	196.3300	196.6000
3	15:39:22	195.6400	197.4600	196.6300	97.89%	193.8900	190.4400	196.0100	194.7400
4	15:39:59	198.0400	201.4500	198.2000	99.40%	194.7400	190.7100	196.3500	195.2000
5	15:40:36	198.6800	195.5100	197.0900	101.23%	194.3200	190.6700	195.0000	194.7700
x		196.7700	198.3400	197.1900	96.88%	194.7100	190.8600	196.0000	195.6300
%RSD		0.7597	1.0892	0.6437	4.24	0.3181	0.1883	0.2947	0.5188

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	15:38:09	193.8400	90.99%	0.0000
2	15:38:45	194.4800	95.22%	0.0000
3	15:39:22	193.6000	98.31%	0.0000
4	15:39:59	194.1700	99.79%	0.0000
5	15:40:36	193.7300	101.69%	0.5357
x		193.9600	97.20%	0.1071
%RSD		0.1839	4.32	223.6100

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:43:34	96.49%	498.6200	490.5900	499.0000	495.6100	503.8400	499.3500	93.15%
2	15:44:12	96.49%	500.5300	504.0300	505.7300	516.2300	499.2800	504.7900	93.99%
3	15:44:49	96.33%	502.5600	509.1600	517.1000	517.1900	498.8500	506.8200	94.34%
4	15:45:25	95.83%	501.1600	519.0200	526.2300	518.9200	501.3600	521.2100	94.52%
5	15:46:03	96.18%	499.5100	510.1600	525.3600	523.3300	498.9700	511.2400	95.28%
x		96.26%	500.4800	506.5900	514.6900	514.2600	500.4600	508.6800	94.26%
%RSD		0.28	0.3027	2.0616	2.3382	2.0947	0.4292	1.6128	0.83

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:43:34	0.1871	506.4900	504.7700	488.7600	502.5700	492.3900	502.5800	505.9100
2	15:44:12	0.0909	506.6600	502.4400	497.2800	502.5800	492.9900	495.2100	499.9600
3	15:44:49	0.0995	502.0300	501.4800	500.2100	503.6200	492.0500	510.1100	500.0100
4	15:45:25	0.0820	498.3200	500.9800	503.7400	504.6600	495.2000	511.1000	507.1500
5	15:46:03	0.0820	499.4200	499.8600	510.1800	500.4200	492.1200	505.1400	499.9900
x		0.1083	502.5800	501.9000	500.0300	502.7700	492.9500	504.8300	502.6000
%RSD		41.2130	0.7731	0.3687	1.5853	0.3129	0.2655	1.2724	0.7183

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:43:34	501.3000	505.4800	503.7200	500.5500	504.1700	507.3200	500.8400	1.1646
2	15:44:12	502.8900	500.6000	502.7800	500.3800	499.3400	498.1500	500.3500	0.5840
3	15:44:49	500.3800	504.9600	502.7500	504.3900	500.3500	500.9500	503.2300	1.1585
4	15:45:25	506.1100	502.4000	498.5900	505.0500	503.6200	501.5000	502.9700	2.1832
5	15:46:03	495.4100	496.7400	497.4700	493.2700	496.7400	495.3600	493.6500	1.5175
x		501.2200	502.0300	501.0600	500.7300	500.8400	500.6600	500.2100	1.3216
%RSD		0.7802	0.7089	0.5635	0.9363	0.6162	0.8909	0.7761	44.3810

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:43:34	90.92%	505.1300	5.6863	503.4000	498.7600	497.2900	90.88%	0.0000
2	15:44:12	93.74%	504.0900	0.2988	503.3600	497.6100	502.0300	93.26%	0.0000
3	15:44:49	94.27%	501.4400	6.0916	501.5300	500.0100	501.1600	95.05%	0.0000
4	15:45:25	94.62%	500.4500	1.5148	501.8700	504.9300	503.3900	95.74%	0.0000
5	15:46:03	96.01%	499.6700	6.3892	498.6300	500.6400	501.6000	96.51%	0.0000
x		93.91%	502.1500	3.9961	501.7600	500.3900	501.1000	94.29%	0.0000
%RSD		1.99	0.4688	71.6600	0.3876	0.5585	0.4565	2.39	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:43:34	495.3300	499.4600	502.4500	89.97%	501.0800	504.2000	500.2100	501.3900
2	15:44:12	500.1000	501.8000	503.4100	93.27%	501.8500	509.4700	504.2500	504.1900
3	15:44:49	502.0200	499.5300	498.9800	95.14%	502.1200	507.7300	501.9700	501.4100
4	15:45:25	508.1800	501.5800	502.0400	95.76%	503.5400	507.5700	500.0200	499.6200
5	15:46:03	502.1500	501.4700	499.2100	96.56%	503.3800	τ491.5800	502.8600	503.2200
x		501.5500	500.7700	501.2200	94.14%	502.3900	τ504.1100	501.8600	501.9700
%RSD		0.9208	0.2334	0.3998	2.79	0.2084	τ1.4398	0.3564	0.3545

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	15:43:34	501.1000	90.12%	0.0000
2	15:44:12	503.4300	93.52%	0.0000
3	15:44:49	502.9300	95.55%	0.0000
4	15:45:25	501.3300	96.92%	0.5620
5	15:46:03	504.8900	97.49%	0.0000
x		502.7300	94.72%	0.1124
%RSD		0.3111	3.16	223.6100

S1000 06/18/2008 15:48:24

User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:49:01	91.06%	1026.2000	1005.1000	1011.8000	1024.5000	T 1010.0000	1017.4000	86.16%
2	15:49:37	92.91%	965.0700	946.5800	960.4200	964.9700	T 937.2200	968.6100	90.16%
3	15:50:14	91.27%	1010.0000	1005.4000	998.9200	1013.8000	T 985.1500	1012.2000	88.80%
4	15:50:51	92.37%	1001.1000	1007.2000	1035.7000	1028.9000	T 973.6200	1010.8000	88.24%
5	15:51:28	91.52%	1004.2000	1018.1000	1029.1000	1018.7000	1004.9000	1056.7000	88.68%
x		91.83%	1001.3000	996.4700	1007.2000	1010.2000	T 982.1800	1013.1000	88.41%
%RSD		0.86	2.2437	2.8497	2.9652	2.5656	T 2.9658	3.0843	1.64

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:49:01	0.2490	T 1022.5000	T 1023.7000	1029.6000	T 1021.7000	1011.1000	1036.5000	T 1029.8000
2	15:49:37	0.1483	T 937.9200	T 940.7100	944.2600	T 936.8200	926.5600	931.9000	T 947.4500
3	15:50:14	0.1067	T 994.9000	T 1000.3000	1002.0000	T 995.2100	990.9600	1012.3000	T 1000.5000
4	15:50:51	0.1040	T 994.8200	T 993.9400	1016.4000	T 997.3700	993.8600	1006.5000	T 994.1600
5	15:51:28	0.0728	T 987.0700	T 993.7100	1002.4000	T 990.6300	987.8300	1002.9000	T 997.0000
x		0.1362	T 987.4400	T 990.4800	998.9400	T 988.3500	982.0600	998.0300	T 993.7800
%RSD		50.3510	T 3.1178	T 3.0706	3.2660	T 3.1608	3.2898	3.9306	T 2.9769

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:49:01	1038.3000	T 1033.7000	1045.6000	1025.2000	1031.5000	M 1023.0000	M 1024.6000	1.8483
2	15:49:37	956.9300	969.8400	958.5900	948.4400	955.3200	947.3400	949.4300	2.7202
3	15:50:14	1009.6000	1018.6000	1017.0000	1002.7000	1007.0000	994.7600	999.3400	2.0488
4	15:50:51	1011.6000	T 1000.1000	1003.9000	1004.9000	998.8500	992.5600	M 1000.1000	0.3255
5	15:51:28	1005.9000	1013.5000	1010.5000	1000.7000	1003.7000	987.0300	996.9900	1.7501
x		1004.5000	T 1007.2000	1007.1000	996.3700	999.2900	M 988.9400	M 994.0900	1.7386
%RSD		2.9392	T 2.3907	3.1218	2.8635	2.7640	M 2.7418	M 2.7531	50.3810

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:49:01	84.77%	TM 1021.1000	0.0831	M 1063.5000	1033.5000	1043.9000	84.59%	0.0000
2	15:49:37	89.89%	986.2200	3.8038	992.2400	948.1500	954.4100	90.97%	0.0000
3	15:50:14	88.06%	M 1037.9000	-0.6303	M 1041.2000	1005.0000	1021.5000	89.30%	0.0000
4	15:50:51	89.37%	M 1032.6000	-4.0829	M 1035.5000	1007.7000	1022.6000	89.63%	0.0000
5	15:51:28	89.21%	M 1033.6000	-5.7171	M 1038.8000	1011.1000	1016.7000	90.38%	0.0000
x		88.26%	TM 1022.3000	-1.3087	M 1034.2000	1001.1000	1011.8000	88.97%	0.0000
%RSD		2.33	TM 2.0636	285.0600	M 2.5072	3.1634	3.3368	2.85	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:49:01	M 1035.9000	1020.7000	1028.4000	84.55%	1051.2000	T 991.7800	T 1040.7000	1048.2000
2	15:49:37	960.9200	940.4100	947.7200	91.50%	990.4800	T 933.7600	T 960.5000	967.4600
3	15:50:14	M 1025.4000	993.2200	1001.6000	90.29%	1033.5000	T 975.8000	T 1015.3000	1025.3000
4	15:50:51	M 1027.1000	1000.3000	1004.3000	90.82%	1035.1000	T 974.9600	T 1015.7000	1023.6000
5	15:51:28	M 1026.7000	991.3900	994.0000	92.10%	1032.1000	T 967.9400	T 1007.5000	1020.6000
x		M 1015.2000	989.2000	995.2000	89.85%	1028.5000	T 968.8500	T 1007.9000	1017.0000
%RSD		M 3.0169	2.9967	2.9643	3.38	2.1971	T 2.2157	T 2.9083	2.9297

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	15:49:01	T 1030.4000	85.06%	1.2806
2	15:49:37	T 950.8900	92.31%	0.0000
3	15:50:14	T 1004.9000	91.55%	1.7849
4	15:50:51	T 1003.2000	92.56%	0.5885
5	15:51:28	T 997.8000	94.05%	0.5791
x		T 997.4500	91.11%	0.8466
%RSD		T 2.8998	3.84	81.9110

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:54:26	91.83%	1507.1000	1434.7000	1457.2000	1448.5000	T 1437.0000	1485.5000	85.00%
2	15:55:03	91.10%	1507.2000	1489.7000	1495.6000	1480.5000	T 1445.2000	1514.1000	84.62%
3	15:55:39	90.56%	1510.9000	1498.5000	1499.5000	1499.1000	T 1453.0000	1483.8000	85.04%
4	15:56:17	89.62%	1500.4000	1511.2000	1535.5000	1504.9000	T 1438.9000	1508.6000	84.76%
5	15:56:53	90.08%	1507.7000	1522.8000	1520.5000	1505.8000	T 1451.6000	1502.8000	84.47%
x		90.64%	1506.7000	1491.4000	1501.7000	1487.8000	T 1445.2000	1499.0000	84.78%
%RSD		0.96	0.2535	2.2846	1.9725	1.6269	T 0.4994	0.9129	0.29

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:54:26	0.1393	T 1479.8000	T 1489.4000	1482.6000	T 1477.4000	1482.7000	1491.8000	T 1507.5000
2	15:55:03	0.1653	T 1495.7000	T 1494.7000	1493.3000	T 1492.0000	1498.8000	1503.2000	T 1494.3000
3	15:55:39	0.1198	T 1486.7000	T 1494.9000	1512.4000	T 1499.5000	1498.6000	1493.3000	T 1492.6000
4	15:56:17	0.1690	T 1477.8000	T 1488.8000	1506.8000	T 1494.2000	1506.3000	1499.5000	T 1500.9000
5	15:56:53	0.0814	T 1493.1000	T 1503.6000	1496.8000	T 1505.8000	1508.8000	1488.8000	T 1500.7000
x		0.1350	T 1486.6000	T 1494.3000	1498.4000	T 1493.8000	1499.1000	1495.3000	T 1499.2000
%RSD		26.7200	T 0.5319	T 0.3984	0.7795	T 0.7079	0.6808	0.3941	T 0.3984

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:54:26	1542.3000	T 1512.8000	1550.3000	1505.3000	1527.1000	M 1499.1000	M 1511.0000	2.8679
2	15:55:03	1530.5000	T 1506.4000	1542.8000	1507.4000	1505.6000	M 1476.6000	M 1484.5000	2.2838
3	15:55:39	1534.0000	T 1492.4000	1536.1000	1508.6000	1508.0000	M 1483.3000	M 1481.6000	2.3202
4	15:56:17	1524.1000	T 1493.3000	1523.8000	1518.8000	1519.8000	M 1475.8000	M 1497.8000	1.1023
5	15:56:53	1522.2000	T 1488.8000	1535.9000	1516.4000	1512.7000	M 1481.0000	M 1474.7000	2.3102
x		1530.6000	T 1498.7000	1537.8000	1511.3000	1514.6000	M 1483.2000	M 1489.9000	2.1769
%RSD		0.5285	T 0.6880	0.6382	0.3948	0.5819	M 0.6371	M 0.9703	29.7880

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:54:26	82.07%	TM 1507.1000	-2.8958	TM 1517.7000	1507.1000	1539.9000	83.22%	0.0000
2	15:55:03	84.66%	TM 1507.5000	0.0866	TM 1512.8000	1514.6000	1547.7000	84.95%	0.0000
3	15:55:39	85.36%	TM 1507.3000	-4.4946	TM 1513.2000	1507.7000	1550.1000	86.33%	0.0000
4	15:56:17	85.00%	TM 1494.3000	-5.4671	TM 1501.7000	1516.8000	1548.5000	87.13%	0.0000
5	15:56:53	85.62%	TM 1496.1000	0.9785	TM 1496.9000	1507.8000	1536.0000	87.68%	0.0000
x		84.54%	TM 1502.5000	-2.3585	TM 1508.5000	1510.8000	1544.4000	85.86%	0.0000
%RSD		1.69	TM 0.4433	119.2300	TM 0.5795	0.3018	0.3973	2.10	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:54:26	M 1546.4000	1496.0000	1502.8000	83.55%	T 1503.8000	T 1466.8000	T 1517.1000	T 1540.9000
2	15:55:03	M 1561.3000	1501.3000	1503.8000	86.03%	T 1507.4000	T 1464.5000	T 1513.0000	T 1528.7000
3	15:55:39	M 1569.7000	1508.3000	1513.1000	88.12%	T 1495.8000	T 1458.7000	T 1514.9000	T 1529.9000
4	15:56:17	M 1562.2000	1482.0000	1498.9000	89.28%	T 1501.1000	T 1466.9000	T 1508.0000	T 1536.7000
5	15:56:53	M 1571.0000	1489.3000	1500.0000	89.19%	T 1510.2000	T 1470.7000	T 1513.1000	1578.9000
x		M 1562.1000	1495.4000	1503.7000	87.23%	T 1503.7000	T 1465.5000	T 1513.2000	T 1543.0000
%RSD		M 0.6270	0.6839	0.3719	2.80	T 0.3705	T 0.3021	T 0.2212	T 1.3404

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	15:54:26	T 1507.5000	84.27%	1.2927
2	15:55:03	T 1501.0000	87.79%	0.0000
3	15:55:39	T 1503.8000	90.22%	1.2074
4	15:56:17	T 1502.9000	90.71%	1.2009
5	15:56:53	T 1518.4000	91.38%	0.0000
x		T 1506.7000	88.87%	0.7402
%RSD		T 0.4617	3.27	91.4180

S2000 06/18/2008 15:59:15

User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:59:52	88.72%	2013.7000	1940.5000	1938.0000	1945.7000	T 1913.4000	1988.6000	81.88%
2	16:00:28	88.99%	1999.6000	1976.2000	1970.9000	1977.1000	T 1905.4000	1982.4000	82.89%
3	16:01:05	88.28%	2008.4000	2027.2000	2024.7000	2006.6000	T 1902.0000	2017.5000	83.07%
4	16:01:42	88.53%	2002.3000	2033.4000	1998.7000	2031.3000	T 1898.9000	1981.5000	83.65%
5	16:02:19	88.68%	1969.0000	2055.0000	2021.5000	2039.9000	T 1898.9000	1991.3000	83.68%
x		88.64%	1998.6000	2006.4000	1990.7000	2000.1000	T 1903.7000	1992.3000	83.03%
%RSD		0.29	0.8718	2.3351	1.8354	1.9515	T 0.3177	0.7374	0.88

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:59:52	0.1847	T 1988.3000	T 1994.0000	1981.9000	T 1969.5000	1985.1000	1954.9000	T 2009.2000
2	16:00:28	0.1160	T 1994.1000	T 2005.4000	2000.6000	T 1998.6000	2007.2000	2033.7000	T 2013.9000
3	16:01:05	0.1475	T 1966.7000	T 1974.7000	2034.8000	T 2002.6000	2015.5000	2021.0000	T 1997.0000
4	16:01:42	0.0730	T 1987.2000	T 1987.6000	2001.0000	T 1999.0000	2028.4000	2005.1000	T 1978.9000
5	16:02:19	0.0644	T 1982.5000	T 1988.3000	1991.2000	T 1989.6000	2024.2000	2001.9000	T 1994.2000
x		0.1171	T 1983.8000	T 1990.0000	2001.9000	T 1991.9000	2012.1000	2003.3000	T 1998.6000
%RSD		43.1570	T 0.5229	T 0.5595	0.9995	T 0.6721	0.8528	1.4941	T 0.6885

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:59:52	2060.1000	T 1990.1000	2071.4000	2005.2000	2016.1000	M 1971.7000	M 1981.7000	3.8170
2	16:00:28	2048.1000	T 1985.9000	2077.1000	2002.2000	2013.4000	M 1969.4000	M 1952.5000	3.5642
3	16:01:05	2038.7000	T 1981.7000	2049.5000	2001.8000	2001.0000	M 1948.0000	M 1941.8000	3.2068
4	16:01:42	2027.7000	T 1962.0000	2038.5000	1997.5000	1995.5000	M 1948.4000	M 1950.0000	3.5767
5	16:02:19	2028.2000	T 1977.9000	2028.4000	2000.2000	2004.9000	M 1944.9000	M 1949.0000	3.4426
x		2040.6000	T 1979.5000	2053.0000	2001.4000	2006.2000	M 1956.5000	M 1955.0000	3.5215
%RSD		0.6770	T 0.5460	1.0191	0.1424	0.4269	M 0.6604	M 0.7907	6.3086

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:59:52	80.23%	TM 1990.2000	-0.3422	TM 2003.8000	2021.5000	2087.4000	80.64%	0.0000
2	16:00:28	82.21%	TM 1988.6000	0.7602	TM 1998.3000	2023.1000	2102.7000	83.28%	0.0000
3	16:01:05	83.58%	TM 1973.7000	-3.0679	TM 1993.4000	2028.8000	T 2040.2000	84.85%	0.0000
4	16:01:42	84.19%	TM 1984.3000	-13.3050	TM 1986.1000	2039.6000	2099.5000	85.40%	0.0000
5	16:02:19	84.88%	TM 1979.0000	-5.1818	TM 1981.4000	2037.4000	2107.7000	86.46%	0.0000
x		83.02%	TM 1983.2000	-4.2273	TM 1992.6000	2030.1000	T 2087.5000	84.13%	0.0000
%RSD		2.22	TM 0.3452	132.0400	TM 0.4531	0.4026	T 1.3169	2.69	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	15:59:52	TM 2081.7000	2014.2000	2032.7000	81.80%	T 2011.2000	T 1949.8000	T 2001.0000	T 2034.4000
2	16:00:28	TM 2106.7000	2009.2000	2032.7000	85.32%	T 1997.7000	T 1953.0000	T 2014.9000	T 2039.9000
3	16:01:05	TM 2111.0000	2006.7000	2018.6000	87.37%	T 2007.8000	T 1958.8000	T 2011.8000	T 2033.5000
4	16:01:42	TM 2111.8000	2014.3000	2020.9000	88.79%	T 2000.5000	T 1954.8000	T 2012.7000	T 2041.0000
5	16:02:19	TM 2119.7000	2005.3000	2023.5000	89.59%	T 2006.6000	T 1973.8000	T 2019.5000	T 2034.7000
x		TM 2106.2000	2009.9000	2025.7000	86.57%	T 2004.7000	T 1958.0000	T 2012.0000	T 2036.7000
%RSD		TM 0.6871	0.2081	0.3275	3.61	T 0.2752	T 0.4792	T 0.3376	T 0.1709

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	15:59:52	T 2002.0000	83.31%	0.0000
2	16:00:28	T 2005.3000	87.17%	1.2497
3	16:01:05	T 2004.7000	89.23%	0.0000
4	16:01:42	T 2008.4000	90.87%	0.5994
5	16:02:19	T 2007.7000	91.88%	0.0000
x		T 2005.6000	88.49%	0.3698
%RSD		T 0.1269	3.84	150.3800

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:05:17	90.74%	102.6100	1231.2000	1245.8000	1230.7000	512.6800	2047.7000	85.17%
2	16:05:54	89.60%	103.9700	1252.4000	1242.7000	1263.7000	513.7500	2069.5000	84.94%
3	16:06:31	91.14%	102.8700	1249.9000	1277.5000	1239.8000	510.6200	2030.6000	86.62%
4	16:07:08	90.92%	103.0500	1271.0000	1274.1000	1258.8000	511.0900	2061.5000	85.89%
5	16:07:45	91.28%	101.1400	1272.3000	1266.9000	1254.1000	507.7200	2075.4000	86.24%
x		90.74%	102.7300	1255.4000	1261.4000	1249.4000	511.1700	2057.0000	85.77%
%RSD		0.74	0.9955	1.3559	1.2810	1.1011	0.4499	0.8755	0.82

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:05:17	0.1554	98.5540	98.4500	742.8500	98.1450	1005.3000	1018.6000	100.2700
2	16:05:54	0.1223	99.7140	100.2000	745.4900	100.3700	1015.3000	1055.3000	100.3800
3	16:06:31	0.0945	99.3020	98.8940	741.6800	98.2400	1010.7000	1034.5000	100.0700
4	16:07:08	0.1336	99.4880	99.4530	741.4900	99.4110	1014.0000	1037.8000	98.8420
5	16:07:45	0.0850	99.6080	98.7610	755.8800	99.5500	1021.2000	1048.6000	99.4120
x		0.1182	99.3330	99.1510	745.4800	99.1430	1013.3000	1039.0000	99.7940
%RSD		24.3160	0.4645	0.6941	0.8089	0.9513	0.5793	1.3595	0.6533

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:05:17	101.2200	100.9800	103.1200	206.8400	202.0500	207.8800	213.4200	-0.0657
2	16:05:54	102.7400	100.9800	103.3800	211.5100	204.2200	211.5800	211.8200	0.4459
3	16:06:31	101.2600	101.3500	103.2600	207.2200	198.8000	206.9300	204.9900	0.4667
4	16:07:08	101.0800	100.5200	102.3300	206.8500	201.2100	206.6500	206.8800	0.1100
5	16:07:45	100.4400	99.0640	99.9850	206.5800	198.5800	204.6500	205.7400	0.0746
x		101.3500	100.5800	102.4100	207.8000	200.9700	207.5400	208.5700	0.2063
%RSD		0.8355	0.8906	1.3854	1.0038	1.1720	1.2272	1.8224	115.1600

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:05:17	82.88%	98.9260	-2.7172	99.1660	100.6800	100.7200	84.66%	0.0000
2	16:05:54	84.82%	99.1970	-2.3916	99.4630	103.0800	102.2600	85.71%	0.0000
3	16:06:31	86.05%	99.0250	-0.7523	99.6430	101.7500	101.2400	87.41%	0.0000
4	16:07:08	86.96%	99.3470	-1.5937	99.6210	102.1800	101.1100	87.87%	0.0000
5	16:07:45	87.87%	100.0000	0.5161	100.3900	100.9600	101.0200	88.64%	0.0000
x		85.72%	99.2990	-1.3877	99.6560	101.7300	101.2700	86.86%	0.0000
%RSD		2.27	0.4274	94.2730	0.4527	0.9492	0.5791	1.88	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:05:17	202.4800	101.9000	100.4600	85.64%	208.2700	203.4300	198.8100	208.8000
2	16:05:54	205.7300	101.1000	102.6500	88.36%	209.7900	205.4400	198.9800	209.9600
3	16:06:31	206.0300	100.7200	101.0200	89.03%	210.0800	205.4100	200.2300	209.9400
4	16:07:08	203.6900	100.7200	101.9600	90.62%	208.5900	205.4600	198.6400	209.2900
5	16:07:45	206.5600	100.7400	100.7300	91.24%	209.3100	204.5200	198.4300	208.1000
x		204.9000	101.0300	101.3700	88.98%	209.2100	204.8500	199.0200	209.2200
%RSD		0.8478	0.5046	0.9019	2.47	0.3665	0.4350	0.3545	0.3767

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	16:05:17	202.0600	87.69%	0.0000
2	16:05:54	202.9500	89.90%	0.0000
3	16:06:31	203.6700	91.33%	0.0000
4	16:07:08	201.4500	92.69%	0.0000
5	16:07:45	202.0000	93.60%	0.0000
x		202.4300	91.04%	0.0000
%RSD		0.4337	2.57	0.0000

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:10:45	92.83%	0.3074	0.0907	-0.0927	0.1344	0.0587	5.2275	86.59%
2	16:11:21	93.16%	0.6134	0.8626	1.0726	1.3256	0.4380	-0.0068	87.93%
3	16:11:58	95.01%	0.5987	0.8235	0.6315	0.5207	0.4650	4.8915	90.56%
4	16:12:35	95.34%	0.3194	0.6249	-0.1086	0.4576	0.2121	3.9476	91.09%
5	16:13:11	95.92%	0.2655	0.1730	0.3571	0.3395	0.0519	2.7799	90.95%
x		94.45%	0.4209	0.5150	0.3720	0.5555	0.2452	3.3679	89.42%
%RSD		1.46	40.4600	70.3560	134.7700	81.8910	81.2500	62.7220	2.28

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:10:45	0.1793	0.2436	0.2229	-1.1850	0.2293	0.6148	12.7820	0.2452
2	16:11:21	0.1296	0.6039	0.4844	0.6056	0.5378	0.1327	11.0130	0.5687
3	16:11:58	0.1235	0.6250	0.5626	-2.0374	0.5986	-3.0430	10.4690	0.5375
4	16:12:35	0.0985	0.3145	0.2955	-0.2590	0.3367	-1.9349	8.2832	0.2870
5	16:13:11	0.0302	0.2082	0.1898	-0.8919	0.1986	-2.8207	3.1467	0.1841
x		0.1122	0.3991	0.3510	-0.7535	0.3802	-1.4102	9.1387	0.3645
%RSD		48.4960	50.2320	46.8200	131.8000	47.4440	119.7700	40.6470	48.3790

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:10:45	0.1942	0.4883	0.4785	0.2915	0.3179	1.4171	0.1946	0.1360
2	16:11:21	0.4889	0.7484	0.7416	0.5889	0.7871	1.0214	1.0956	-0.9427
3	16:11:58	0.6042	0.8332	0.7243	0.6977	0.6092	1.1848	0.7387	-0.2468
4	16:12:35	0.2860	0.4410	0.4222	0.3953	0.4312	0.8758	0.6120	-0.7313
5	16:13:11	0.2085	0.3330	0.3643	0.2780	0.2256	0.4224	0.0851	-0.3668
x		0.3564	0.5688	0.5462	0.4503	0.4742	0.9843	0.5452	-0.4303
%RSD		50.9910	37.3600	32.1010	41.3110	47.6520	37.8930	75.6000	98.0170

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:10:45	84.00%	0.1482	-1.8636	0.1556	0.2327	0.2442	83.92%	0.0000
2	16:11:21	86.60%	0.2327	-1.3048	0.2153	0.6366	0.6141	87.35%	0.0000
3	16:11:58	89.61%	0.3143	-0.8300	0.3230	0.6616	0.5782	89.83%	0.0000
4	16:12:35	90.03%	0.4067	-0.0901	0.3699	0.3598	0.2878	90.81%	0.0000
5	16:13:11	90.88%	0.4878	-0.2309	0.4736	0.2149	0.1997	91.62%	0.0000
x		88.23%	0.3180	-0.8639	0.3075	0.4211	0.3848	88.71%	0.0000
%RSD		3.24	42.4340	85.7380	40.9100	51.2180	50.8870	3.52	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:10:45	1.0882	0.3573	0.2730	83.91%	0.3591	0.3522	0.3176	0.2959
2	16:11:21	1.3644	0.6365	0.5366	88.29%	0.8382	0.7495	0.6566	0.6174
3	16:11:58	1.4003	0.6632	0.6194	90.63%	0.6202	0.6234	0.6183	0.6549
4	16:12:35	1.1836	0.3430	0.2640	92.76%	0.3085	0.2760	0.3510	0.3768
5	16:13:11	1.0606	0.2068	0.1701	92.35%	0.2198	0.1786	0.2292	0.2154
x		1.2194	0.4413	0.3726	89.59%	0.4692	0.4359	0.4345	0.4321
%RSD		12.8000	45.1770	52.0590	4.05	54.2450	55.2730	43.9520	45.1980

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	16:10:45	0.3081	85.45%	0.0000
2	16:11:21	0.6516	89.83%	0.0000
3	16:11:58	0.6203	92.63%	0.0000
4	16:12:35	0.3431	94.18%	0.0000
5	16:13:11	0.2102	94.58%	0.0000
x		0.4267	91.33%	0.0000
%RSD		46.2770	4.14	0.0000

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:16:12	96.70%	1.0944	0.2542	-0.0437	0.3381	0.0332	-0.8545	90.57%
2	16:16:49	97.32%	1.2311	0.3681	0.2174	0.6774	0.1784	-2.2038	91.22%
3	16:17:25	98.20%	1.2712	0.2261	-0.1166	0.1532	0.0570	1.0737	92.09%
4	16:18:02	97.80%	1.2062	0.2264	-0.2474	0.3243	-0.0811	0.7849	92.43%
5	16:18:40	98.48%	1.1736	0.1233	0.0752	0.0347	-0.0900	1.6682	93.26%
x		97.70%	1.1953	0.2396	-0.0230	0.3055	0.0195	0.0937	91.91%
%RSD		0.73	5.5847	36.5120	774.4700	79.5460	567.2500	1695.3000	1.14

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:16:12	0.1653	5.0129	2.0524	-1.6067	1.0668	-0.8253	10.6090	1.1091
2	16:16:49	0.1080	4.9367	2.1723	-1.2240	1.2297	-0.2687	11.2690	1.2753
3	16:17:25	0.0746	4.9008	2.1378	-0.1913	1.1871	-1.5398	11.7270	1.1833
4	16:18:02	0.0429	5.0213	2.0401	0.2270	1.0903	-1.0402	9.7669	1.0978
5	16:18:40	0.0183	4.8819	2.0391	-1.3153	1.0066	-2.4978	5.7072	1.0515
x		0.0818	4.9507	2.0884	-0.8221	1.1161	-1.2344	9.8158	1.1434
%RSD		70.3570	1.2881	2.9847	96.5290	8.1436	68.1070	24.5760	7.6610

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:16:12	1.1974	2.2422	2.3284	2.1399	1.1425	6.3253	5.2219	0.4889
2	16:16:49	1.2783	2.3399	2.3876	2.4220	1.3167	6.2027	5.1603	0.2154
3	16:17:25	1.2601	2.2998	2.2164	2.3150	1.2154	6.0009	5.1476	-0.0637
4	16:18:02	1.0550	2.2453	2.2237	2.1337	0.9693	5.2091	4.5881	-0.6189
5	16:18:40	1.1761	2.1489	2.1811	2.1629	0.8294	6.1119	4.8220	0.1053
x		1.1934	2.2552	2.2674	2.2347	1.0947	5.9700	4.9880	0.0254
%RSD		7.3927	3.1921	3.8272	5.7410	17.8240	7.3988	5.4663	1624.2000

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:16:12	86.89%	0.9998	-1.3687	0.9636	1.1849	1.1398	86.75%	0.0000
2	16:16:49	89.74%	1.0073	-1.2829	1.0370	1.3265	1.3685	90.20%	0.0000
3	16:17:25	90.90%	0.9724	-0.3221	0.9425	1.1623	1.2582	91.19%	0.0000
4	16:18:02	91.34%	1.0040	-0.5570	0.9567	1.1527	1.2087	90.94%	0.0000
5	16:18:40	92.49%	0.9569	-0.5719	0.9795	1.1902	1.1248	92.28%	0.0000
x		90.27%	0.9881	-0.8205	0.9759	1.2033	1.2200	90.27%	0.0000
%RSD		2.36	2.2507	57.6170	3.7589	5.8643	8.1072	2.33	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:16:12	2.2758	10.3670	9.7767	86.95%	1.2227	1.1244	1.1004	1.1507
2	16:16:49	2.3355	9.9180	9.8433	89.71%	1.4035	1.3395	1.2961	1.2880
3	16:17:25	2.4375	9.8647	10.0340	91.42%	1.2661	1.1211	1.2632	1.2574
4	16:18:02	2.3081	9.4993	10.2140	92.26%	1.1149	1.1044	1.1651	1.2184
5	16:18:40	2.5266	9.9128	10.1190	93.40%	1.0741	1.0617	1.0863	1.1458
x		2.3767	9.9123	9.9975	90.75%	1.2163	1.1502	1.1822	1.2120
%RSD		4.3504	3.1063	1.8416	2.77	10.7270	9.4508	7.9939	5.2210

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	16:16:12	1.0997	87.34%	0.0000
2	16:16:49	1.3075	90.92%	0.0000
3	16:17:25	1.2411	92.88%	0.0000
4	16:18:02	1.1606	93.28%	0.5839
5	16:18:40	1.0706	94.81%	0.0000
x		1.1759	91.85%	0.1168
%RSD		8.3646	3.13	223.6100

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:21:36	82.76%	0.2825	TM 107630.0000	TM 108290.0000	TM 107500.0000	TM 99363.0000	M 110230.0000	84.15%
2	16:22:14	84.51%	0.2289	TM 111320.0000	TM 110780.0000	TM 109460.0000	TM 99036.0000	M 113080.0000	88.41%
3	16:22:51	84.28%	0.3186	TM 114200.0000	TM 113030.0000	TM 110580.0000	TM 99951.0000	M 116010.0000	90.11%
4	16:23:27	85.30%	0.2754	TM 116430.0000	TM 113800.0000	TM 111790.0000	TM 99146.0000	M 115760.0000	92.87%
5	16:24:04	84.63%	0.2270	TM 118470.0000	TM 113980.0000	TM 111860.0000	TM 99519.0000	TM 119480.0000	93.82%
x		84.30%	0.2665	TM 113610.0000	TM 111980.0000	TM 110240.0000	TM 99403.0000	TM 114910.0000	89.87%
%RSD		1.11	14.5660	TM 3.7591	TM 2.1643	TM 1.6510	TM 0.3613	TM 3.0151	4.29

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:21:36	298.1800	0.3629	20.1780	TM 76106.0000	7.7139	TM 102900.0000	TM 108330.0000	1.3997
2	16:22:14	301.8700	0.2072	20.5780	TM 76171.0000	7.7773	TM 104240.0000	TM 109440.0000	1.3536
3	16:22:51	297.5400	0.3855	20.5320	TM 78044.0000	7.8886	TM 105510.0000	TM 110980.0000	1.3129
4	16:23:27	293.2400	0.1826	20.4190	TM 77511.0000	7.7644	TM 104510.0000	TM 109810.0000	1.3067
5	16:24:04	294.6600	0.2285	20.0740	TM 78092.0000	7.7896	TM 105480.0000	TM 110970.0000	1.2361
x		297.1000	0.2733	20.3560	TM 77185.0000	7.7868	TM 104530.0000	TM 109910.0000	1.3218
%RSD		1.1290	34.3310	1.0858	TM 1.2723	0.8195	TM 1.0270	TM 1.0188	4.5937

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:21:36	7.9478	8.0286	9.3264	11.6590	-0.2455	2.8027	-2.7405	13.6510
2	16:22:14	7.3316	7.8905	9.4044	11.4520	-0.6067	3.0720	-3.6219	17.1240
3	16:22:51	6.8657	7.7043	8.9511	11.6420	-0.2474	2.3080	-2.4303	11.4690
4	16:23:27	6.8141	7.6913	8.9931	11.7230	-0.5092	2.4996	-3.9415	17.0010
5	16:24:04	7.0560	7.8851	9.1585	11.6860	-0.3989	2.1500	-3.1600	16.4590
x		7.2030	7.8400	9.1667	11.6320	-0.4016	2.5665	-3.1789	15.1410
%RSD		6.4292	1.8115	2.1729	0.9054	39.7290	14.5290	19.4610	16.4560

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:21:36	81.10%	0.0917	16.3500	0.1028	3.8243	1.3403	85.04%	0.0000
2	16:22:14	87.01%	0.0806	15.6350	0.0888	3.8163	1.3914	91.69%	0.0000
3	16:22:51	90.55%	0.0686	15.2760	0.0879	3.4539	1.1379	95.46%	0.0000
4	16:23:27	93.22%	0.0548	15.1790	0.0760	3.3355	1.0775	99.59%	0.0000
5	16:24:04	95.58%	0.0410	15.1430	0.0548	3.4562	1.0593	101.60%	0.0000
x		89.49%	0.0673	15.5160	0.0821	3.5772	1.2013	94.68%	0.0000
%RSD		6.34	29.9430	3.2565	21.8650	6.3521	12.8250	6.97	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:21:36	1.3911	1.4473	1.5989	83.83%	-0.0502	-0.0450	4.6270	4.4601
2	16:22:14	1.4496	1.5924	1.4671	90.56%	-0.0478	-0.0544	4.5173	4.4923
3	16:22:51	1.5341	1.6071	1.3548	95.09%	-0.0502	-0.0510	4.5871	4.4929
4	16:23:27	1.4254	1.4228	1.4795	98.69%	-0.0459	-0.0502	4.5070	4.3833
5	16:24:04	1.4062	1.5025	1.3307	101.58%	-0.0212	-0.0188	4.5298	4.3836
x		1.4413	1.5144	1.4462	93.95%	-0.0431	-0.0439	4.5536	4.4425
%RSD		3.9075	5.4951	7.4593	7.45	28.7420	32.8190	1.1293	1.2491

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	16:21:36	4.4867	80.51%	0.0000
2	16:22:14	4.3948	86.97%	0.0000
3	16:22:51	4.3969	91.21%	0.0000
4	16:23:27	4.3844	94.75%	0.0000
5	16:24:04	4.4068	97.07%	0.0000
x		4.4139	90.10%	0.0000
%RSD		0.9396	7.30	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:27:01	86.70%	19.3700	TM 115370.0000	TM 113720.0000	TM 111230.0000	TM 100070.0000	TM 118010.0000	93.24%
2	16:27:37	86.67%	19.1210	TM 117560.0000	TM 114550.0000	TM 111320.0000	TM 99224.0000	TM 119050.0000	95.56%
3	16:28:14	86.68%	18.7790	TM 119020.0000	TM 113920.0000	TM 112100.0000	TM 99906.0000	TM 121370.0000	96.45%
4	16:28:51	86.67%	18.9310	TM 120650.0000	TM 114710.0000	TM 111750.0000	TM 99764.0000	TM 121210.0000	97.60%
5	16:29:29	87.21%	18.5950	TM 119590.0000	TM 113480.0000	TM 110370.0000	TM 98933.0000	TM 122260.0000	98.29%
x		86.79%	18.9590	TM 118440.0000	TM 114080.0000	TM 111350.0000	TM 99578.0000	TM 120380.0000	96.23%
%RSD		0.27	1.5827	TM 1.7261	TM 0.4651	TM 0.5857	TM 0.4820	TM 1.4728	2.05

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:27:01	298.2700	20.7610	41.2020	TM 76919.0000	28.2460	TM 104790.0000	TM 109830.0000	21.2960
2	16:27:37	297.3400	20.7670	40.7470	TM 78139.0000	28.5590	TM 105730.0000	TM 110760.0000	21.2580
3	16:28:14	295.1800	20.8620	40.5170	TM 77779.0000	28.4900	TM 106100.0000	TM 110440.0000	21.2980
4	16:28:51	291.7400	20.2270	40.0160	TM 77888.0000	28.2940	TM 106250.0000	TM 111760.0000	20.8530
5	16:29:29	293.2300	20.5990	40.8090	TM 78334.0000	28.2190	TM 106300.0000	TM 111770.0000	21.4080
x		295.1500	20.6430	40.6580	TM 77812.0000	28.3610	TM 105830.0000	TM 110910.0000	21.2230
%RSD		0.9244	1.2161	1.0714	TM 0.6990	0.5399	TM 0.5883	TM 0.7645	1.0076

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:27:01	26.9100	26.6990	28.5220	30.1840	19.1930	21.9120	15.4760	15.8780
2	16:27:37	26.8480	26.5720	28.3320	30.5210	18.8600	21.3750	15.1020	16.3100
3	16:28:14	25.7770	26.3580	28.0440	29.8810	19.1870	21.5420	15.7810	13.8610
4	16:28:51	26.2610	26.5780	27.8100	29.6300	18.7330	20.4860	15.1080	13.3400
5	16:29:29	26.8130	26.5150	27.7320	30.0240	18.7970	20.6470	15.5010	12.8520
x		26.5220	26.5440	28.0880	30.0480	18.9540	21.1920	15.3940	14.4480
%RSD		1.8518	0.4667	1.1997	1.1099	1.1612	2.8598	1.8809	10.7410

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:27:01	93.11%	18.0280	15.0520	17.8580	22.6590	20.0430	98.55%	0.0000
2	16:27:37	96.13%	17.9710	14.9070	18.0640	22.8170	19.5630	102.23%	0.0000
3	16:28:14	98.06%	17.8850	15.1320	17.8410	22.7350	20.1060	103.96%	0.0000
4	16:28:51	100.40%	17.8780	14.0010	17.8760	22.2640	20.0530	106.57%	0.0000
5	16:29:29	101.25%	17.9090	13.7590	17.7790	22.0950	19.7860	107.89%	0.0000
x		97.79%	17.9340	14.5700	17.8840	22.5140	19.9100	103.84%	0.0000
%RSD		3.37	0.3577	4.4008	0.6001	1.4051	1.1573	3.55	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:27:01	21.4900	22.8270	22.4810	96.06%	21.4720	20.3850	24.8910	26.0690
2	16:27:37	21.7180	22.2760	22.6060	102.11%	21.2790	20.5140	24.9540	26.2710
3	16:28:14	21.9970	23.1510	22.1530	105.03%	21.4110	20.5310	24.7570	25.7780
4	16:28:51	21.5970	23.1740	22.6550	106.76%	21.3830	20.6190	25.1930	26.1910
5	16:29:29	21.4830	22.7100	22.4620	T 111.27%	21.5760	20.8060	25.1720	26.0170
x		21.6570	22.8280	22.4710	T 104.25%	21.4240	20.5710	24.9930	26.0650
%RSD		0.9835	1.6124	0.8706	T 5.42	0.5135	0.7570	0.7481	0.7257

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	16:27:01	25.2690	91.59%	0.0000
2	16:27:37	25.0570	96.33%	0.0000
3	16:28:14	24.8800	99.52%	0.0000
4	16:28:51	25.1980	101.22%	0.0000
5	16:29:29	25.2190	102.11%	0.0000
x		25.1240	98.15%	0.0000
%RSD		0.6282	4.36	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:32:25	96.09%	257.2800	1138.8000	1124.2000	1112.5000	274.3400	1061.1000	103.31%
2	16:33:03	95.16%	251.9700	1188.3000	1149.6000	1145.5000	287.0600	1117.8000	104.13%
3	16:33:39	96.75%	250.8900	1199.2000	1149.9000	1133.1000	293.1900	1123.7000	105.24%
4	16:34:16	96.54%	249.4900	1187.7000	1140.7000	1135.7000	283.7500	1089.7000	106.12%
5	16:34:53	96.38%	248.8600	1186.9000	1139.2000	1116.5000	275.3700	1056.2000	107.25%
x		96.18%	251.7000	1180.2000	1140.7000	1128.7000	282.7400	1089.7000	105.21%
%RSD		0.65	1.3294	2.0057	0.9180	1.2230	2.8164	2.8577	1.49

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:32:25	0.2469	248.2300	249.4800	807.8000	251.7200	1039.4000	1019.4000	249.1600
2	16:33:03	0.2778	250.5700	251.4200	817.8100	254.1500	1066.1000	1035.2000	248.7700
3	16:33:39	0.2056	250.3000	252.5000	837.2600	253.5700	1075.8000	1074.7000	251.4200
4	16:34:16	0.1994	249.1800	251.8600	828.6400	253.4600	1065.3000	1039.7000	248.0100
5	16:34:53	0.1194	247.0200	249.9800	819.8200	253.2900	1058.8000	1035.8000	248.2400
x		0.2098	249.0600	251.0500	822.2700	253.2400	1061.1000	1040.9000	249.1200
%RSD		28.4920	0.5928	0.5084	1.3607	0.3595	1.2774	1.9590	0.5459

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:32:25	250.4200	248.7100	248.7500	255.6000	251.0500	257.7800	256.4900	-0.1509
2	16:33:03	250.9700	247.8300	248.9600	258.3400	252.1000	256.8300	256.9400	-0.2805
3	16:33:39	251.7000	251.0300	250.9100	258.7600	249.6200	257.2400	256.8700	0.1695
4	16:34:16	248.1200	247.1300	248.1600	256.4500	248.2700	256.8900	252.8800	0.2781
5	16:34:53	245.7500	246.2400	242.6800	254.2700	245.8000	254.4400	251.4200	-0.2221
x		249.3900	248.1900	247.8900	256.6900	249.3700	256.6400	254.9200	-0.0412
%RSD		0.9776	0.7366	1.2468	0.7312	0.9891	0.5015	1.0135	605.3200

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:32:25	105.88%	248.1100	-2.0462	250.3400	255.3100	254.3900	106.33%	0.0000
2	16:33:03	108.07%	247.6100	-0.1366	247.8300	255.9300	253.9800	109.89%	0.0000
3	16:33:39	110.32%	247.5400	-1.3735	246.8400	254.1900	254.6500	112.66%	0.0000
4	16:34:16	110.83%	248.9300	3.2339	246.9700	256.1600	255.2600	113.52%	0.0000
5	16:34:53	112.65%	246.5100	-0.7309	246.5700	255.1800	256.1000	114.67%	0.0000
x		109.55%	247.7400	-0.2107	247.7100	255.3500	254.8700	111.41%	0.0000
%RSD		2.39	0.3570	974.5500	0.6227	0.3025	0.3239	3.00	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:32:25	250.2700	250.4100	249.1200	τ110.23%	251.1500	250.3100	251.8700	253.6900
2	16:33:03	252.4900	251.0600	249.8300	τ114.26%	251.5900	249.9600	252.9600	253.9700
3	16:33:39	253.3600	249.4600	249.2300	τ118.04%	252.6600	250.4800	252.1300	254.3300
4	16:34:16	254.4500	251.1000	251.2700	τ119.50%	251.1900	249.0100	251.7900	253.5600
5	16:34:53	255.5000	249.7100	252.2300	τ120.66%	252.0900	250.8900	252.2300	254.2500
x		253.2100	250.3500	250.3300	τ116.54%	251.7300	250.1300	252.2000	253.9600
%RSD		0.7886	0.3016	0.5438	τ3.67	0.2541	0.2831	0.1841	0.1320

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	16:32:25	251.0700	107.32%	0.5076
2	16:33:03	251.2900	111.87%	0.0000
3	16:33:39	251.3300	115.00%	0.0000
4	16:34:16	250.2700	117.44%	0.4638
5	16:34:53	251.4400	118.50%	0.0000
x		251.0800	114.03%	0.1943
%RSD		0.1875	3.98	137.1600

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:37:50	97.36%	0.0844	25.3910	24.0410	27.1420	18.8670	28.6840	105.04%
2	16:38:27	97.63%	0.2416	65.1260	64.4950	60.3320	50.1080	66.6780	106.07%
3	16:39:04	98.51%	0.2021	56.4940	53.5310	53.8180	45.9430	61.7720	107.50%
4	16:39:41	99.06%	0.1621	38.1430	35.8280	38.7290	30.7120	36.6780	109.45%
5	16:40:17	99.09%	0.1221	27.6260	27.9880	27.3360	24.7140	24.8140	110.27%
x		98.33%	0.1625	42.5560	41.1770	41.4710	34.0690	43.7250	107.67%
%RSD		0.82	38.3790	41.3850	41.9330	36.5860	39.6030	44.0810	2.05

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:37:50	0.2406	0.0419	0.0756	12.9060	0.0735	24.4010	16.0400	0.0694
2	16:38:27	0.2852	0.2371	0.3000	35.9310	0.2856	55.3790	44.8920	0.2592
3	16:39:04	0.2429	0.2276	0.2440	32.1930	0.2347	51.6730	38.5790	0.1969
4	16:39:41	0.1696	0.1715	0.2008	20.9800	0.1252	35.3150	25.1070	0.1187
5	16:40:17	0.1381	0.1032	0.1359	16.0640	0.0871	27.7130	17.5340	0.0916
x		0.2153	0.1563	0.1913	23.6150	0.1612	38.8960	28.4310	0.1472
%RSD		27.8130	53.3120	46.1410	42.5530	58.3210	35.9680	45.0870	53.7000

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:37:50	0.0875	0.5091	0.1475	0.0442	0.0411	3.5579	-0.0639	-0.7739
2	16:38:27	0.2702	0.7121	0.3512	0.3007	0.3221	2.9944	0.4399	-0.5322
3	16:39:04	0.2932	0.5565	0.2324	0.2294	0.1517	2.3810	-0.0105	0.5998
4	16:39:41	0.0990	0.3973	0.1891	0.1717	0.0868	2.1041	0.0734	0.0138
5	16:40:17	0.0485	0.3333	0.0656	0.0680	0.0639	1.5890	0.0010	-0.6667
x		0.1597	0.5017	0.1972	0.1628	0.1331	2.5253	0.0880	-0.2718
%RSD		70.9340	29.3310	53.6860	66.2890	85.1910	30.4240	230.4900	211.0900

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:37:50	106.58%	0.0521	-1.1310	0.0465	0.0584	0.0790	107.68%	0.0000
2	16:38:27	109.99%	0.0834	0.2574	0.0909	0.2978	0.2660	111.50%	0.0000
3	16:39:04	112.47%	0.0607	-0.0217	0.0672	0.2248	0.2306	114.01%	0.0000
4	16:39:41	112.84%	0.0404	0.5146	0.0455	0.1302	0.1299	116.15%	0.0000
5	16:40:17	115.11%	0.0423	0.4630	0.0433	0.0507	0.0748	116.60%	0.0000
x		111.40%	0.0558	0.0165	0.0587	0.1524	0.1561	113.19%	0.0000
%RSD		2.92	31.2620	4103.2000	34.8130	70.4000	56.2760	3.25	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:37:50	0.5427	0.0479	0.0553	τ111.82%	0.1441	0.1400	0.1180	0.0802
2	16:38:27	0.8315	0.2624	0.2701	τ115.71%	0.3682	0.3231	0.2997	0.3078
3	16:39:04	0.7515	0.2837	0.2246	τ119.06%	0.2125	0.1922	0.2170	0.2415
4	16:39:41	0.5890	0.0671	0.1199	τ122.05%	0.0943	0.0995	0.1273	0.1440
5	16:40:17	0.4631	0.0667	0.0901	τ122.20%	0.0495	0.0375	0.0565	0.0764
x		0.6356	0.1456	0.1520	τ118.17%	0.1737	0.1584	0.1637	0.1700
%RSD		23.9140	80.2800	60.1560	τ3.75	71.6250	68.2010	58.1600	59.9910

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	16:37:50	0.0919	108.29%	0.0000
2	16:38:27	0.2907	113.27%	0.4809
3	16:39:04	0.2216	116.95%	0.0000
4	16:39:41	0.1372	119.09%	0.0000
5	16:40:17	0.0698	120.56%	0.0000
x		0.1623	115.63%	0.0962
%RSD		56.9420	4.27	223.6100

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:43:14	97.75%	0.0223	12.5920	13.7400	12.5980	11.2220	29.8090	102.66%
2	16:43:51	98.21%	0.0982	29.4890	28.0160	28.0810	23.7150	53.4780	104.30%
3	16:44:28	98.75%	0.1390	40.0560	37.3940	37.3140	33.3830	60.6380	105.02%
4	16:45:05	97.94%	0.0891	31.5150	28.3790	29.7280	27.6860	49.7230	104.67%
5	16:45:42	97.69%	0.0512	23.5200	20.1110	24.2490	21.7170	39.1180	103.79%
x		98.07%	0.0800	27.4340	25.5280	26.3940	23.5450	46.5530	104.09%
%RSD		0.44	56.1130	37.1630	35.2240	34.3150	34.8400	26.1330	0.88

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:43:14	0.2616	-0.2303	0.2805	6.9241	-0.0050	15.5840	0.6393	0.0013
2	16:43:51	0.2089	-0.0260	0.3223	15.6720	0.1032	25.8840	10.5190	0.0742
3	16:44:28	0.1961	0.0324	0.3918	24.6630	0.1323	34.5490	19.4810	0.1343
4	16:45:05	0.1497	0.1997	0.3283	20.2180	0.0973	29.6080	21.1580	0.0961
5	16:45:42	0.1076	-0.2166	0.3283	16.7270	0.0621	23.7560	9.5843	0.0502
x		0.1848	-0.0481	0.3302	16.8410	0.0780	25.8760	12.2760	0.0712
%RSD		31.7800	374.4200	12.0490	38.9740	67.5230	27.2980	67.7310	69.9530

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:43:14	-0.0128	0.2266	0.0616	1.5320	-0.0645	2.4749	0.1334	-0.7939
2	16:43:51	0.0696	0.3285	0.1747	1.6018	0.0862	1.4138	0.3181	-0.0139
3	16:44:28	0.1687	0.3851	0.2497	1.5682	0.2484	1.6810	0.4118	-0.6574
4	16:45:05	0.1040	0.3072	0.1862	1.5462	0.1466	0.9250	0.1812	-0.3253
5	16:45:42	0.0513	0.2311	0.1381	1.3854	0.2516	0.9032	0.1967	-0.7053
x		0.0762	0.2957	0.1621	1.5267	0.1337	1.4796	0.2482	-0.4992
%RSD		87.8530	22.7860	42.6130	5.4550	98.0640	43.7410	45.9140	64.9210

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:43:14	104.95%	0.0143	-0.4437	0.0248	-0.0200	0.0089	106.90%	0.0000
2	16:43:51	107.87%	0.0331	-0.2910	0.0457	0.0719	0.0983	109.51%	0.0000
3	16:44:28	110.02%	0.0424	0.0932	0.0359	0.0932	0.1419	112.27%	0.0000
4	16:45:05	109.69%	0.0278	0.6824	0.0191	0.0843	0.0970	111.78%	0.0000
5	16:45:42	109.51%	0.0153	0.8907	0.0208	0.0398	0.0503	112.86%	0.0000
x		108.41%	0.0266	0.1863	0.0293	0.0538	0.0793	110.66%	0.0000
%RSD		1.94	44.9580	314.7100	38.5190	85.4080	64.2900	2.22	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:43:14	0.1486	-0.0010	0.0073	108.14%	-0.0127	-0.0103	-0.0134	-0.0154
2	16:43:51	0.2780	0.1069	0.0767	τ 114.76%	0.1160	0.1072	0.1077	0.1047
3	16:44:28	0.3004	0.1558	0.1231	τ 118.37%	0.1216	0.1322	0.1307	0.1400
4	16:45:05	0.3275	0.0301	0.0827	τ 118.79%	0.0500	0.0357	0.0875	0.0849
5	16:45:42	0.2553	0.0292	0.0681	τ 119.36%	-0.0141	-0.0097	0.0489	0.0464
x		0.2620	0.0642	0.0716	τ 115.88%	0.0522	0.0510	0.0722	0.0721
%RSD		26.2600	101.1000	58.2330	τ 4.05	126.8700	129.4400	78.2640	82.4690

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	16:43:14	-0.0059	108.89%	0.0000
2	16:43:51	0.1073	113.28%	0.0000
3	16:44:28	0.1359	116.43%	0.0000
4	16:45:05	0.0922	117.20%	0.0000
5	16:45:42	0.0423	118.54%	0.0000
x		0.0744	114.87%	0.0000
%RSD		75.6150	3.36	0.0000

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:48:39	95.03%	96.5480	1368.4000	1312.4000	1303.9000	511.0000	2117.0000	97.93%
2	16:49:16	96.61%	95.2210	1387.6000	1339.7000	1303.7000	517.1500	2158.6000	99.31%
3	16:49:53	95.84%	94.6100	1417.4000	1349.0000	1303.8000	514.9100	2150.3000	98.93%
4	16:50:30	95.59%	93.2160	1417.6000	1354.1000	1311.7000	516.9700	2160.7000	99.68%
5	16:51:07	95.47%	93.7190	1416.4000	1332.0000	1317.6000	512.8400	2140.8000	99.56%
x		95.71%	94.6630	1401.5000	1337.4000	1308.1000	514.5700	2145.5000	99.08%
%RSD		0.61	1.3826	1.6031	1.2251	0.4806	0.5170	0.8276	0.71

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:48:39	0.2193	96.2170	95.7330	766.7400	96.6820	1036.4000	1000.4000	97.1420
2	16:49:16	0.1603	95.5620	95.4480	769.5200	98.2220	1051.7000	1043.0000	96.4070
3	16:49:53	0.2008	96.6080	97.3460	785.6100	99.4890	1065.4000	1057.0000	96.6050
4	16:50:30	0.1678	95.8560	96.4190	771.7600	98.5310	1055.2000	1042.5000	96.8520
5	16:51:07	0.1093	97.0500	96.9340	782.6600	99.2440	1059.8000	1021.3000	96.1940
x		0.1715	96.2590	96.3760	775.2600	98.4340	1053.7000	1032.8000	96.6400
%RSD		24.6400	0.6138	0.8251	1.0785	1.1235	1.0383	2.1455	0.3841

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:48:39	96.9510	97.4470	97.6100	204.7700	191.3800	203.6900	204.0000	-0.7362
2	16:49:16	96.1150	95.9280	96.8950	204.2300	192.3400	199.8700	202.2100	-0.4609
3	16:49:53	96.9010	97.2150	97.5060	207.1000	191.4400	202.1900	202.2500	0.3763
4	16:50:30	96.6020	96.1070	96.4720	206.4300	190.4700	197.1400	200.2300	0.4632
5	16:51:07	95.6610	96.4980	96.9540	206.7000	191.4900	198.9800	203.1300	1.4371
x		96.4460	96.6390	97.0870	205.8500	191.4200	200.3700	202.3700	0.2159
%RSD		0.5706	0.6928	0.4835	0.6153	0.3462	1.2944	0.6929	397.2800

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:48:39	100.44%	95.4060	-1.2860	95.7950	98.8360	98.2520	102.65%	0.0000
2	16:49:16	103.04%	95.4020	1.3782	94.9680	98.9960	97.8370	106.16%	0.0000
3	16:49:53	104.77%	95.2990	1.0663	95.6850	98.7120	98.5400	107.43%	0.0000
4	16:50:30	106.09%	94.9240	0.0651	94.7290	97.3260	98.2080	109.43%	0.0000
5	16:51:07	105.20%	95.1070	-0.2484	95.0340	99.5290	98.3780	108.56%	0.0000
x		103.91%	95.2280	0.1950	95.2420	98.6800	98.2430	106.85%	0.0000
%RSD		2.15	0.2188	547.7800	0.4933	0.8295	0.2657	2.48	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:48:39	199.7100	97.4700	98.0380	105.77%	204.0800	200.4000	193.7900	204.3600
2	16:49:16	200.6500	96.4870	95.1650	τ 112.77%	202.9500	200.8000	193.3700	206.8300
3	16:49:53	201.7400	96.2190	96.3310	τ 114.40%	204.0000	200.7900	194.5100	205.0000
4	16:50:30	200.7800	97.7010	97.0050	114.10%	202.6000	199.3500	192.9500	204.7000
5	16:51:07	202.1500	95.4970	96.0760	τ 117.02%	203.3200	201.2400	193.4500	205.1000
x		201.0000	96.6750	96.5230	τ 112.81%	203.3900	200.5200	193.6100	205.2000
%RSD		0.4780	0.9417	1.1121	τ 3.75	0.3193	0.3564	0.3010	0.4663

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	16:48:39	197.4200	106.18%	0.0000
2	16:49:16	198.7900	110.91%	0.0000
3	16:49:53	197.9900	113.78%	0.0000
4	16:50:30	197.5800	116.04%	0.4694
5	16:51:07	198.3600	115.64%	0.9420
x		198.0300	112.51%	0.2823
%RSD		0.2839	3.62	149.1800

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:54:07	96.97%	-0.0190	TM 37803.0000	TM 36509.0000	TM 35672.0000	35.3760	TM 121390.0000	97.50%
2	16:54:45	96.86%	0.0122	TM 38494.0000	TM 36804.0000	TM 36216.0000	40.6710	TM 123860.0000	98.32%
3	16:55:21	94.73%	0.0269	TM 38678.0000	TM 36397.0000	TM 35611.0000	43.1310	TM 124250.0000	97.63%
4	16:55:58	95.93%	0.0055	TM 38577.0000	TM 36500.0000	TM 35893.0000	39.5250	TM 125040.0000	97.89%
5	16:56:35	96.73%	0.0123	TM 38904.0000	TM 36020.0000	TM 35654.0000	36.7950	TM 125420.0000	98.71%
x		96.25%	0.0076	TM 38491.0000	TM 36446.0000	TM 35809.0000	39.1000	TM 123990.0000	98.01%
%RSD		0.97	221.6400	TM 1.0765	TM 0.7748	TM 0.7050	7.8912	TM 1.2742	0.51

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:54:07	0.6875	0.5198	0.3521	88.5650	158.6900	136.5300	1212.2000	0.5962
2	16:54:45	0.6000	1.1282	0.4131	93.2190	159.6000	141.7600	1071.9000	0.6207
3	16:55:21	0.5882	0.7998	0.4285	96.8630	159.3300	143.7700	988.6500	0.6051
4	16:55:58	0.5296	0.5925	0.3686	98.1010	161.0600	140.6300	1000.3000	0.5838
5	16:56:35	0.5170	0.8988	0.3665	94.5690	161.8000	137.6900	957.2000	0.5387
x		0.5845	0.7878	0.3858	94.2630	160.1000	140.0700	1046.0000	0.5889
%RSD		11.6100	30.9790	8.5730	3.9389	0.8042	2.1115	9.7424	5.2830

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:54:07	4.8967	6.4852	6.9754	800.2100	7.9381	2.4416	0.8995	0.6513
2	16:54:45	4.6199	6.5084	6.7841	805.8300	7.8208	2.1093	0.7143	1.3118
3	16:55:21	4.4360	6.5677	6.5269	807.6100	7.9573	1.4695	1.3017	0.7745
4	16:55:58	4.1216	6.6224	6.6018	808.3600	7.4577	1.2267	0.8810	0.5087
5	16:56:35	4.2750	6.6888	6.5668	810.8500	7.5663	1.2888	0.6324	0.9836
x		4.4699	6.5745	6.6910	806.5700	7.7481	1.7072	0.8858	0.8460
%RSD		6.7593	1.2670	2.7947	0.4942	2.9041	31.5920	29.1570	37.0370

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:54:07	97.20%	0.1786	-0.3391	0.1740	4.3092	4.4261	96.99%	0.0000
2	16:54:45	100.17%	0.2188	0.8940	0.2057	4.4345	4.4885	100.74%	0.0000
3	16:55:21	101.46%	0.2248	1.0343	0.2163	4.3103	4.4624	101.40%	0.0000
4	16:55:58	103.03%	0.1823	1.1357	0.1745	4.3930	4.4985	102.66%	0.0000
5	16:56:35	103.07%	0.1562	1.8245	0.1654	4.5544	4.4577	104.06%	0.0000
x		100.98%	0.1921	0.9099	0.1872	4.4003	4.4667	101.17%	0.0000
%RSD		2.41	15.0690	86.2470	11.9360	2.3116	0.6368	2.63	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:54:07	8.6574	60.5870	58.6910	103.56%	0.6765	0.6366	40.8620	44.9900
2	16:54:45	8.4631	58.4200	58.9070	108.74%	0.7345	0.7096	41.1780	44.8660
3	16:55:21	8.6464	58.3590	58.7390	T 113.56%	0.6481	0.6494	41.2960	45.2860
4	16:55:58	8.6379	58.2680	58.2900	T 114.99%	0.5624	0.5635	41.0270	45.0750
5	16:56:35	8.6478	59.8890	58.1670	113.97%	0.5380	0.5109	41.2490	44.8590
x		8.6105	59.1050	58.5590	T 110.96%	0.6319	0.6140	41.1220	45.0150
%RSD		0.9605	1.8018	0.5382	T 4.32	12.8620	12.6350	0.4317	0.3921

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	16:54:07	43.0240	95.80%	0.0000
2	16:54:45	43.1550	99.98%	0.0000
3	16:55:21	43.1020	102.26%	0.0000
4	16:55:58	43.1000	103.97%	0.0000
5	16:56:35	43.0660	105.87%	0.0000
x		43.0900	101.58%	0.0000
%RSD		0.1125	3.83	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:59:34	92.29%	46.9500	TM 39103.0000	TM 37251.0000	TM 36823.0000	494.4500	TM 125080.0000	94.88%
2	17:00:11	91.67%	46.5050	TM 39679.0000	TM 37036.0000	TM 36885.0000	495.8300	TM 126560.0000	96.03%
3	17:00:48	92.99%	46.0410	TM 39321.0000	TM 36975.0000	TM 36604.0000	495.0600	TM 127220.0000	97.38%
4	17:01:24	92.27%	45.8040	TM 40031.0000	TM 37065.0000	TM 36458.0000	491.0000	TM 127260.0000	98.62%
5	17:02:01	92.37%	45.5010	TM 40070.0000	TM 37437.0000	TM 36518.0000	494.9000	TM 127590.0000	98.50%
x		92.32%	46.1600	TM 39641.0000	TM 37153.0000	TM 36658.0000	494.2500	TM 126740.0000	97.08%
%RSD		0.50	1.2440	TM 1.0769	TM 0.5092	TM 0.5127	0.3806	TM 0.7899	1.66

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:59:34	0.5801	497.8000	187.9400	490.8700	659.5100	614.6900	1645.7000	472.9100
2	17:00:11	0.6543	502.4400	187.4800	490.5200	T 662.3300	621.1000	1559.6000	472.2500
3	17:00:48	0.5919	498.2900	187.1600	496.6800	T 665.0700	624.2900	1522.1000	470.1300
4	17:01:24	0.5972	497.9200	187.7200	493.4300	671.4800	622.9600	1448.0000	472.6000
5	17:02:01	0.5436	496.6300	188.0700	502.0400	T 659.8500	618.3000	1465.6000	472.8100
x		0.5934	498.6100	187.6700	494.7100	T 663.6500	620.2700	1528.2000	472.1400
%RSD		6.7311	0.4467	0.1944	0.9670	T 0.7407	0.6197	5.1910	0.2436

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:59:34	451.7200	225.3600	226.0200	1272.0000	45.4920	11.4280	9.0100	2.6626
2	17:00:11	450.9700	224.8300	225.2000	1274.6000	44.9160	11.2040	9.2331	2.8506
3	17:00:48	450.9200	222.7700	224.8200	1279.5000	45.9230	10.4420	9.6798	3.2247
4	17:01:24	445.8000	222.8000	223.4500	1272.9000	45.8740	10.6250	9.9217	3.6510
5	17:02:01	445.8000	221.5300	222.4400	1274.9000	45.0130	10.0720	9.8976	1.0401
x		449.0400	223.4600	224.3900	1274.8000	45.4440	10.7540	9.5485	2.6858
%RSD		0.6623	0.7120	0.6373	0.2273	1.0319	5.1717	4.2792	37.0370

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:59:34	96.59%	44.9030	-0.5560	45.1050	51.7770	51.5760	96.88%	0.0000
2	17:00:11	99.47%	44.7110	0.6836	44.7580	52.5050	52.3530	99.42%	0.0000
3	17:00:48	101.34%	44.8940	0.3768	44.6400	52.4450	52.1300	101.69%	0.0000
4	17:01:24	102.14%	44.7740	0.1799	44.3820	52.5430	51.8430	103.98%	0.0000
5	17:02:01	103.42%	44.5500	1.7044	44.7430	51.6660	52.5360	103.57%	0.0000
x		100.59%	44.7660	0.4778	44.7260	52.1870	52.0880	101.11%	0.0000
%RSD		2.64	0.3255	172.4400	0.5816	0.8205	0.7404	2.94	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:59:34	109.0500	2060.0000	2077.6000	103.64%	51.5020	50.1430	63.3520	65.6960
2	17:00:11	109.7600	2064.5000	2085.5000	108.11%	51.0820	49.6980	62.6490	65.6320
3	17:00:48	108.9200	2030.6000	2046.4000	T 113.44%	51.1160	49.6790	61.9590	64.7930
4	17:01:24	108.4700	2021.4000	2046.7000	T 115.41%	51.1390	49.8330	61.9820	65.1360
5	17:02:01	109.1200	2032.5000	2063.6000	T 115.07%	50.8740	49.6270	62.1090	65.4250
x		109.0600	2041.8000	2064.0000	T 111.13%	51.1430	49.7960	62.4100	65.3360
%RSD		0.4243	0.9395	0.8584	T 4.60	0.4435	0.4182	0.9551	0.5724

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	16:59:34	63.9420	95.61%	0.0000
2	17:00:11	63.6790	99.95%	0.0000
3	17:00:48	63.4430	102.77%	0.0000
4	17:01:24	63.4740	104.15%	0.5230
5	17:02:01	63.3460	105.78%	0.0000
x		63.5770	101.65%	0.1046
%RSD		0.3735	3.93	223.6100

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:05:01	103.50%	-0.0688	T 7637.8000	7638.5000	7517.4000	7.9134	M 22956.0000	102.43%
2	17:05:38	103.94%	-0.0362	T 7758.8000	7565.9000	7515.0000	9.0355	M 23248.0000	102.06%
3	17:06:15	103.38%	-0.0248	T 7839.7000	7676.6000	7405.9000	10.9980	M 23411.0000	102.11%
4	17:06:51	103.64%	-0.0342	T 7861.4000	7555.8000	7491.1000	10.9360	M 23495.0000	102.46%
5	17:07:28	104.56%	-0.0240	T 7770.0000	7561.5000	7365.2000	10.6900	M 23508.0000	102.30%
x		103.80%	-0.0376	T 7773.6000	7599.7000	7458.9000	9.9147	M 23323.0000	102.27%
%RSD		0.45	48.6350	T 1.1278	0.7195	0.9286	13.9000	M 0.9875	0.18

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:05:01	0.2978	0.0482	0.1066	18.3930	31.9900	42.6100	269.3700	0.1148
2	17:05:38	0.3284	-0.0045	0.1330	20.0680	32.1340	42.9380	222.7700	0.1260
3	17:06:15	0.2286	0.2042	0.1659	20.3540	32.5300	43.0360	202.6700	0.2006
4	17:06:51	0.2221	0.2692	0.1253	19.7530	32.6740	41.5530	189.4900	0.1937
5	17:07:28	0.1896	0.1171	0.1566	20.7890	32.8460	41.5700	187.7200	0.1873
x		0.2533	0.1269	0.1375	19.8710	32.4350	42.3420	214.4100	0.1645
%RSD		22.7340	87.9110	17.4410	4.5800	1.1157	1.7227	15.7500	24.7310

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:05:01	1.0232	1.4548	1.4196	175.7800	1.6279	1.8740	0.2015	0.3821
2	17:05:38	0.8715	1.4327	1.4095	177.2300	1.3977	0.9859	0.0889	-0.5805
3	17:06:15	1.0614	1.5470	1.4403	177.7400	1.6860	1.2187	0.5191	-0.0931
4	17:06:51	0.9421	1.4361	1.3874	177.8900	1.5713	0.8984	0.0255	0.1651
5	17:07:28	0.8578	1.4965	1.3250	177.3700	1.5718	0.9842	0.1898	-0.0318
x		0.9512	1.4734	1.3964	177.2000	1.5710	1.1922	0.2049	-0.0316
%RSD		9.4760	3.2808	3.1661	0.4739	6.8641	33.4880	92.7600	1133.8000

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:05:01	101.95%	0.0398	0.0721	0.0349	0.8257	0.8330	103.41%	0.0000
2	17:05:38	104.58%	0.0538	0.2179	0.0485	0.9093	0.8401	106.33%	0.0000
3	17:06:15	106.40%	0.0935	0.6965	0.0883	1.0228	0.8575	108.38%	0.0000
4	17:06:51	106.59%	0.0776	1.1413	0.0870	0.9357	0.8847	108.40%	0.0000
5	17:07:28	106.54%	0.0765	1.2678	0.0608	0.9403	0.8876	108.86%	0.0000
x		105.21%	0.0682	0.6791	0.0639	0.9268	0.8606	107.08%	0.0000
%RSD		1.91	31.1980	78.6660	36.8250	7.6300	2.9061	2.12	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:05:01	1.5934	11.3630	11.7270	T 109.21%	0.1025	0.0679	7.8475	8.4660
2	17:05:38	1.6248	12.1120	12.0630	110.07%	0.1003	0.0710	8.0306	8.7113
3	17:06:15	1.7143	11.7420	12.0400	T 116.18%	0.1238	0.1048	7.8249	8.5924
4	17:06:51	1.7462	11.9020	12.1610	114.65%	0.1050	0.0847	7.7824	8.6512
5	17:07:28	1.7631	12.1680	12.5730	T 117.52%	0.0848	0.0645	7.9543	8.7721
x		1.6884	11.8580	12.1130	T 113.53%	0.1033	0.0786	7.8879	8.6386
%RSD		4.4576	2.7355	2.5131	T 3.26	13.4770	21.0390	1.2914	1.3596

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:05:01	8.2250	103.85%	0.0000
2	17:05:38	8.3343	108.31%	0.0000
3	17:06:15	8.1896	111.41%	0.0000
4	17:06:51	8.2457	112.95%	0.4822
5	17:07:28	8.3216	112.99%	0.0000
x		8.2632	109.90%	0.0964
%RSD		0.7569	3.53	223.6100

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:10:27	99.50%	-0.0651	T 16317.0000	16296.0000	16258.0000	49.3420	M 43483.0000	99.91%
2	17:11:04	99.27%	-0.0803	T 16684.0000	16469.0000	T 15786.0000	49.6750	M 44064.0000	101.15%
3	17:11:41	99.93%	-0.0447	T 16823.0000	16635.0000	T 15796.0000	49.9610	M 43891.0000	102.91%
4	17:12:18	100.35%	-0.0657	T 16863.0000	16525.0000	T 15896.0000	49.9590	M 43866.0000	103.38%
5	17:12:55	100.18%	-0.0618	T 16847.0000	T 16062.0000	16129.0000	50.0480	M 44691.0000	104.02%
x		99.84%	-0.0635	T 16707.0000	T 16397.0000	T 15973.0000	49.7970	M 43999.0000	102.27%
%RSD		0.46	20.0140	T 1.3709	T 1.3670	T 1.3205	0.5837	M 1.0027	1.66

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:10:27	0.9589	6.3613	0.6885	184.8600	46.2780	258.7900	685.8400	0.2358
2	17:11:04	0.9233	6.0714	0.6114	181.4300	46.5430	259.0800	634.0000	0.1977
3	17:11:41	0.7991	6.2409	0.6215	182.5700	46.2510	261.2600	607.4000	0.2113
4	17:12:18	0.8356	6.0578	0.6221	184.8300	46.5600	259.8900	604.3700	0.2124
5	17:12:55	0.8128	6.1288	0.6416	189.0800	46.3460	261.1700	574.4700	0.1825
x		0.8659	6.1720	0.6370	184.5500	46.3960	260.0400	621.2200	0.2079
%RSD		8.1968	2.0753	4.8294	1.5876	0.3157	0.4416	6.7337	9.4848

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:10:27	1.3540	3.1944	3.5931	75.8990	16.5060	1.3890	0.0208	0.7482
2	17:11:04	1.2954	3.2057	3.5694	74.9370	16.5770	0.8757	0.0951	-0.3500
3	17:11:41	1.2367	3.1786	3.4257	75.4460	16.4330	1.0427	0.5008	0.2480
4	17:12:18	1.3075	3.1874	3.1857	75.9330	15.7640	0.7963	-0.0188	1.3948
5	17:12:55	1.1873	3.2818	3.3706	75.6340	16.5790	0.5690	-0.2140	1.4649
x		1.2762	3.2096	3.4289	75.5700	16.3720	0.9345	0.0768	0.7012
%RSD		5.0884	1.2956	4.8198	0.5375	2.1079	32.7370	342.6400	109.9400

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:10:27	98.05%	0.1684	0.5761	0.1523	0.2314	0.2140	100.21%	0.0000
2	17:11:04	101.19%	0.1605	0.5348	0.1643	0.1972	0.2171	103.58%	0.0000
3	17:11:41	103.87%	0.1636	1.5480	0.1656	0.2391	0.2341	106.05%	0.0000
4	17:12:18	105.58%	0.1601	1.5472	0.1563	0.1982	0.2158	107.99%	0.0000
5	17:12:55	105.40%	0.1630	2.2510	0.1451	0.2059	0.2286	109.01%	0.0000
x		102.82%	0.1631	1.2914	0.1567	0.2144	0.2219	105.37%	0.0000
%RSD		3.10	2.0246	56.5890	5.4594	9.1230	3.9964	3.37	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:10:27	6.2765	128.0900	126.1400	104.02%	0.0376	0.0208	44.5630	48.8850
2	17:11:04	6.5581	127.3400	126.9700	108.52%	0.0152	0.0312	44.7380	48.7930
3	17:11:41	6.5710	127.6800	126.8800	111.58%	0.0477	0.0451	44.8100	48.9320
4	17:12:18	6.5191	125.9900	124.7800	T 116.08%	0.0434	0.0322	44.1460	48.7480
5	17:12:55	6.4702	125.4900	126.9400	115.32%	0.0346	0.0215	44.9610	48.7230
x		6.4790	126.9200	126.3400	T 111.10%	0.0357	0.0301	44.6440	48.8160
%RSD		1.8489	0.8835	0.7440	T 4.49	35.1520	32.7470	0.7004	0.1835

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:10:27	46.6800	101.90%	0.0000
2	17:11:04	46.6920	106.27%	0.0000
3	17:11:41	46.8980	109.16%	0.0000
4	17:12:18	46.7580	111.19%	0.0000
5	17:12:55	46.8210	112.95%	0.0000
x		46.7700	108.29%	0.0000
%RSD		0.1947	4.02	0.0000

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:15:53	99.05%	-0.0705	TM 38316.0000	TM 36760.0000	TM 36813.0000	28.1410	TM 125260.0000	95.73%
2	17:16:30	96.05%	-0.0771	TM 38797.0000	TM 36632.0000	TM 36137.0000	28.3190	TM 125200.0000	95.90%
3	17:17:07	97.61%	-0.0602	TM 38722.0000	TM 36587.0000	TM 35915.0000	28.6110	TM 128370.0000	96.00%
4	17:17:43	98.75%	-0.0647	TM 39105.0000	TM 36352.0000	TM 35427.0000	28.3540	TM 127640.0000	97.24%
5	17:18:20	98.32%	-0.0684	TM 39381.0000	TM 36868.0000	TM 35706.0000	28.4150	TM 127140.0000	97.52%
x		97.96%	-0.0682	TM 38864.0000	TM 36640.0000	TM 36000.0000	28.3680	TM 126720.0000	96.48%
%RSD		1.22	9.3057	TM 1.0375	TM 0.5323	TM 1.4584	0.5987	TM 1.1273	0.86

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:15:53	0.6693	0.3675	0.4219	85.4500	151.2500	136.4800	1224.0000	0.6044
2	17:16:30	0.6020	0.5940	0.4385	85.1950	152.4200	135.4700	1110.3000	0.5557
3	17:17:07	0.5581	0.8146	0.3581	86.7570	153.4300	135.9200	1044.3000	0.5325
4	17:17:43	0.5841	0.5385	0.3931	87.4090	154.3500	132.5800	1022.9000	0.5715
5	17:18:20	0.5397	0.4264	0.4226	88.6080	154.2900	134.3800	999.0000	0.5805
x		0.5906	0.5482	0.4068	86.6840	153.1500	134.9600	1080.1000	0.5689
%RSD		8.4698	31.6800	7.8078	1.6287	0.8621	1.1408	8.3774	4.7324

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:15:53	4.9244	6.4091	6.8682	743.4300	7.1961	1.6166	0.6875	1.1769
2	17:16:30	4.2677	6.6223	6.6876	743.3600	6.9567	1.1207	0.4744	1.4937
3	17:17:07	4.2791	6.3823	6.7052	735.8800	7.5195	1.3453	0.4815	2.4824
4	17:17:43	4.3097	6.4622	6.6879	741.4000	7.0849	1.2461	0.2874	1.3110
5	17:18:20	4.2732	6.3838	6.3456	737.9000	6.9822	0.7353	0.9712	1.2556
x		4.4108	6.4519	6.6589	740.4000	7.1479	1.2128	0.5804	1.5439
%RSD		6.5198	1.5587	2.8672	0.4560	3.1935	26.6630	44.8520	34.8090

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:15:53	95.33%	0.1275	1.0266	0.1367	4.0426	4.2643	94.97%	0.0000
2	17:16:30	98.03%	0.1437	1.8526	0.1746	4.2280	4.2570	97.85%	0.0000
3	17:17:07	99.72%	0.1903	1.2769	0.1614	4.2829	4.1891	100.29%	0.0000
4	17:17:43	100.36%	0.1487	1.7292	0.1634	4.2464	4.2360	101.12%	0.0000
5	17:18:20	101.65%	0.1673	2.3658	0.1539	4.3234	4.2312	102.43%	0.0000
x		99.02%	0.1555	1.6502	0.1580	4.2247	4.2355	99.33%	0.0000
%RSD		2.46	15.4990	31.5980	8.8809	2.5595	0.6948	2.98	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:15:53	8.3910	58.5560	57.8140	103.08%	0.4193	0.3870	42.0400	46.3810
2	17:16:30	8.5973	58.3670	57.3600	106.83%	0.4745	0.4221	41.8940	45.9390
3	17:17:07	8.6762	57.5010	56.2300	T 112.50%	0.4779	0.4473	42.0110	46.9470
4	17:17:43	8.5806	57.1210	57.2320	111.23%	0.4381	0.3879	41.7810	45.8000
5	17:18:20	9.0405	57.8250	57.8170	112.26%	0.4436	0.4326	42.1790	46.3670
x		8.6571	57.8740	57.2910	T 109.18%	0.4507	0.4154	41.9810	46.2870
%RSD		2.7553	1.0284	1.1323	T 3.76	5.5456	6.5073	0.3597	0.9723

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:15:53	44.2240	94.32%	0.0000
2	17:16:30	44.0370	98.95%	0.0000
3	17:17:07	44.5090	101.52%	0.0000
4	17:17:43	43.8760	103.80%	0.0000
5	17:18:20	44.4770	103.85%	0.0000
x		44.2250	100.49%	0.0000
%RSD		0.6203	3.97	0.0000

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:21:19	100.03%	-0.0653	TM 38529.0000	TM 37082.0000	TM 36374.0000	23.7490	TM 124320.0000	97.79%
2	17:21:55	99.54%	-0.0879	TM 39034.0000	TM 37208.0000	TM 36473.0000	24.3340	TM 126580.0000	99.26%
3	17:22:32	100.12%	-0.0673	TM 39040.0000	TM 36858.0000	TM 35915.0000	24.6360	TM 126650.0000	100.18%
4	17:23:09	99.76%	-0.0690	TM 39195.0000	TM 36767.0000	TM 35885.0000	24.3830	TM 127190.0000	99.53%
5	17:23:45	101.50%	-0.0735	TM 39160.0000	TM 36608.0000	TM 35987.0000	25.1170	TM 126850.0000	100.59%
x		100.19%	-0.0726	TM 38992.0000	TM 36904.0000	TM 36127.0000	24.4440	TM 126320.0000	99.47%
%RSD		0.77	12.5030	TM 0.6887	TM 0.6534	TM 0.7630	2.0337	TM 0.9039	1.08

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:21:19	0.7103	0.4334	0.4424	75.3690	139.4100	120.7700	1227.4000	0.5415
2	17:21:55	0.6128	0.7806	0.4195	72.7730	139.4000	116.4000	1026.9000	0.5515
3	17:22:32	0.5310	0.5320	0.4521	71.9740	140.7200	115.5200	990.5900	0.5456
4	17:23:09	0.5888	1.0273	0.3960	74.9200	140.3500	118.5000	1012.9000	0.5402
5	17:23:45	0.5068	0.5381	0.4273	72.5310	141.6400	117.7800	974.0800	0.5419
x		0.5899	0.6623	0.4274	73.5140	140.3100	117.7900	1046.4000	0.5441
%RSD		13.5060	36.3670	5.0807	2.0747	0.6743	1.7226	9.8619	0.8394

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:21:19	4.6286	5.9784	6.3156	674.9100	6.6583	1.8932	0.3596	0.9751
2	17:21:55	4.3871	5.8915	6.0743	673.1200	6.8906	1.5894	0.7858	1.4811
3	17:22:32	4.1442	5.8409	6.1359	669.4800	6.9369	1.2904	0.4178	2.3799
4	17:23:09	4.2785	6.0002	6.3703	678.1100	7.0478	1.2683	0.2935	2.0955
5	17:23:45	4.3007	6.0581	6.0180	680.6200	6.9392	1.1666	0.4114	1.8979
x		4.3478	5.9538	6.1829	675.2500	6.8946	1.4416	0.4536	1.7659
%RSD		4.1284	1.4610	2.4782	0.6407	2.0907	20.6460	42.3960	31.1390

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:21:19	98.08%	0.1031	0.0951	0.0987	3.9590	3.9545	97.80%	0.0000
2	17:21:55	100.97%	0.1278	0.7902	0.1107	3.9278	3.9095	100.24%	0.0000
3	17:22:32	102.37%	0.1502	1.6394	0.1611	3.9649	3.9632	102.43%	0.0000
4	17:23:09	102.66%	0.1494	1.4570	0.1401	4.0610	3.9174	103.27%	0.0000
5	17:23:45	103.77%	0.1522	1.1486	0.1625	3.9340	3.9432	104.63%	0.0000
x		101.57%	0.1365	1.0261	0.1346	3.9693	3.9375	101.67%	0.0000
%RSD		2.16	15.5040	59.6680	21.5720	1.3516	0.5919	2.65	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:21:19	8.5086	58.6220	58.0540	105.26%	0.4050	0.4071	30.4510	33.4840
2	17:21:55	8.4235	58.9110	57.8420	108.70%	0.4341	0.4340	30.5000	33.4580
3	17:22:32	8.3224	58.5220	57.1390	110.73%	0.4417	0.4434	30.4520	33.5000
4	17:23:09	8.3265	56.6980	56.4600	T 114.86%	0.4574	0.4369	30.6030	33.4330
5	17:23:45	8.4387	57.5790	57.5660	T 116.08%	0.4417	0.4218	30.6460	33.4510
x		8.4039	58.0660	57.4120	T 111.13%	0.4360	0.4286	30.5310	33.4650
%RSD		0.9443	1.5735	1.1020	T 4.00	4.4291	3.3521	0.2920	0.0794

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:21:19	32.0980	96.47%	0.5646
2	17:21:55	32.0570	100.39%	0.5426
3	17:22:32	31.7940	102.85%	0.0000
4	17:23:09	31.9210	103.94%	0.0000
5	17:23:45	32.0940	105.21%	0.0000
x		31.9930	101.77%	0.2214
%RSD		0.4141	3.39	136.9800

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:26:42	101.51%	257.7300	1107.9000	1086.9000	1064.2000	255.5600	1038.5000	100.07%
2	17:27:18	101.09%	255.7600	1113.6000	1069.1000	1069.3000	254.2900	1081.6000	100.43%
3	17:27:55	100.80%	251.9400	1133.3000	1088.7000	1093.1000	254.4600	1091.3000	100.48%
4	17:28:32	98.04%	252.9600	1130.0000	1112.0000	1089.6000	255.9100	1102.1000	99.96%
5	17:29:09	98.59%	251.8900	1149.7000	1089.2000	1065.6000	254.9400	1073.4000	99.84%
x		100.01%	254.0600	1126.9000	1089.2000	1076.3000	255.0300	1077.4000	100.15%
%RSD		1.58	1.0195	1.4784	1.4009	1.2883	0.2729	2.2490	0.29

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:26:42	0.2509	249.7200	250.6400	795.4300	251.4500	1025.5000	993.1700	252.2100
2	17:27:18	0.1996	249.9600	252.8300	798.6600	253.9400	1027.3000	994.6200	249.7400
3	17:27:55	0.1355	249.5600	252.7200	804.5500	252.9600	1031.0000	1031.4000	249.9000
4	17:28:32	0.1227	249.9600	251.8600	795.4200	253.9900	1031.0000	1017.7000	248.9200
5	17:29:09	0.1159	250.8500	253.1900	797.6000	254.4200	1026.9000	1013.3000	251.5200
x		0.1649	250.0100	252.2500	798.3300	253.3500	1028.3000	1010.0000	250.4600
%RSD		35.4160	0.2012	0.4055	0.4693	0.4705	0.2448	1.6038	0.5431

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:26:42	254.7700	252.4200	252.6000	257.1000	251.6500	258.2300	255.5800	0.3544
2	17:27:18	251.6300	247.2900	249.1900	256.6100	251.9800	254.9300	256.2000	0.6915
3	17:27:55	248.7700	247.1600	247.4300	257.4300	249.8900	254.8000	254.7100	0.1662
4	17:28:32	249.2300	248.3900	245.5900	257.0700	250.4200	256.6800	253.9800	0.6666
5	17:29:09	250.3400	248.2600	247.6700	255.7800	250.1200	255.0100	256.4300	0.7289
x		250.9500	248.7000	248.4900	256.8000	250.8100	255.9300	255.3800	0.5215
%RSD		0.9575	0.8636	1.0566	0.2483	0.3764	0.5856	0.4020	47.6600

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:26:42	101.10%	250.7700	2.3430	251.0000	255.9200	256.7600	102.44%	0.0000
2	17:27:18	103.25%	248.3400	1.8348	249.6900	256.9600	256.5200	105.41%	0.0000
3	17:27:55	104.72%	249.4300	-5.2504	248.5200	256.2600	256.0200	107.18%	0.0000
4	17:28:32	104.03%	249.9800	0.9706	249.0400	256.7800	254.8100	106.93%	0.0000
5	17:29:09	104.21%	249.1700	-0.0588	248.8600	256.0200	255.8800	107.56%	0.0000
x		103.46%	249.5400	-0.0322	249.4200	256.3900	256.0000	105.90%	0.0000
%RSD		1.37	0.3630	9500.5000	0.3921	0.1803	0.2954	1.98	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:26:42	252.0500	254.5100	255.3200	104.46%	253.4300	250.6700	253.4100	253.5800
2	17:27:18	253.0200	253.9200	252.2900	108.10%	251.2100	250.0400	253.2900	255.0000
3	17:27:55	252.3900	248.1600	251.2400	τ113.88%	250.4000	248.7400	251.0700	253.4600
4	17:28:32	253.8000	251.0700	251.8300	110.94%	254.3200	249.0600	253.3400	254.3200
5	17:29:09	254.6900	247.0200	250.0900	τ114.46%	251.5000	249.7800	253.4400	253.8600
x		253.1900	250.9400	252.1500	τ110.37%	252.1700	249.6600	252.9100	254.0400
%RSD		0.4238	1.3325	0.7738	τ3.78	0.6494	0.3099	0.4070	0.2471

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:26:42	251.6500	104.66%	0.0000
2	17:27:18	251.7700	109.59%	0.0000
3	17:27:55	250.8700	112.47%	0.0000
4	17:28:32	251.7100	112.88%	0.0000
5	17:29:09	251.6000	113.21%	0.0000
x		251.5200	110.56%	0.0000
%RSD		0.1473	3.26	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:32:05	102.07%	-0.0774	0.2000	-0.1395	0.3270	-0.2650	4.3836	99.95%
2	17:32:42	103.62%	-0.0579	2.3617	2.0366	2.4745	-0.0863	5.9649	101.79%
3	17:33:19	101.26%	-0.0325	6.1641	6.4604	5.0483	0.2412	20.7900	102.48%
4	17:33:56	103.54%	-0.0360	6.5815	5.7331	5.9913	0.0589	17.6020	103.96%
5	17:34:32	101.75%	-0.0051	8.1785	7.9545	7.6105	0.3772	22.9990	104.36%
x		102.45%	-0.0418	4.6972	4.4090	4.2903	0.0652	14.3480	102.51%
%RSD		1.05	65.4970	70.2080	75.9460	67.4500	391.3200	60.0060	1.73

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:32:05	0.2228	0.0313	-0.0239	-1.8183	-0.0659	8.9357	-6.9582	-0.0626
2	17:32:42	0.2003	0.0160	0.0092	0.5787	-0.0254	7.2675	-6.0999	-0.0546
3	17:33:19	0.1371	0.0294	0.0174	0.8976	0.0127	7.1331	-9.2601	-0.0183
4	17:33:56	0.1126	0.0380	0.0146	-1.3000	0.0105	6.4033	-5.4165	-0.0297
5	17:34:32	0.0825	0.0327	0.0561	-0.6214	0.0232	6.4417	-6.1140	-0.0008
x		0.1511	0.0295	0.0147	-0.4527	-0.0090	7.2363	-6.7697	-0.0332
%RSD		39.0760	27.7850	193.9700	258.9900	408.2900	14.2020	22.0930	76.8790

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:32:05	-0.0796	0.0282	-0.0341	-0.0070	-0.0484	1.5601	0.0170	-0.9803
2	17:32:42	-0.0553	0.0677	-0.0273	-0.0116	-0.1257	0.9815	-0.1538	-0.4419
3	17:33:19	-0.0496	0.1194	-0.0184	0.1853	-0.0136	0.9274	0.0568	-0.0058
4	17:33:56	-0.0292	0.0569	0.0398	0.1112	0.0316	0.9177	0.1135	-0.7182
5	17:34:32	0.0063	0.0422	-0.0095	0.1201	0.0337	0.7818	0.2289	-0.7437
x		-0.0415	0.0629	-0.0099	0.0796	-0.0245	1.0337	0.0525	-0.5780
%RSD		77.6120	55.5480	295.1100	108.0800	269.9100	29.3470	267.2600	64.4410

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:32:05	101.58%	-0.0042	-0.1811	0.0081	-0.0615	-0.0574	102.64%	0.0000
2	17:32:42	104.49%	0.0034	-0.0724	0.0101	-0.0457	-0.0446	106.56%	0.0000
3	17:33:19	105.62%	0.0233	1.1815	0.0273	-0.0282	-0.0077	107.84%	0.0000
4	17:33:56	107.21%	0.0266	-0.1213	0.0225	-0.0092	-0.0214	108.98%	0.0000
5	17:34:32	108.25%	0.0254	0.5160	0.0218	0.0016	-0.0099	110.47%	0.0000
x		105.43%	0.0149	0.2646	0.0180	-0.0286	-0.0282	107.30%	0.0000
%RSD		2.46	95.6460	220.8200	46.6090	90.2640	77.8190	2.77	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:32:05	0.3427	-0.0713	-0.0758	104.51%	-0.0868	-0.0912	-0.0579	-0.0643
2	17:32:42	0.4430	-0.0272	-0.0510	τ111.42%	-0.0688	-0.0710	-0.0382	-0.0399
3	17:33:19	0.4068	0.0044	-0.0081	110.03%	-0.0359	-0.0374	-0.0034	0.0054
4	17:33:56	0.3526	-0.0100	0.0213	τ115.00%	-0.0470	-0.0458	-0.0198	-0.0123
5	17:34:32	0.2858	0.0440	0.0751	τ116.16%	-0.0220	-0.0385	0.0161	0.0293
x		0.3662	-0.0120	-0.0077	τ111.42%	-0.0521	-0.0568	-0.0206	-0.0164
%RSD		16.5880	351.9200	773.0700	τ4.14	49.6560	41.4390	140.1500	225.0300

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:32:05	-0.0586	104.84%	0.0000
2	17:32:42	-0.0385	109.07%	0.4994
3	17:33:19	-0.0061	111.44%	0.0000
4	17:33:56	-0.0164	113.22%	0.0000
5	17:34:32	0.0074	114.60%	0.0000
x		-0.0224	110.63%	0.0999
%RSD		117.1300	3.47	223.6100

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:37:29	98.45%	-0.0644	TM 37174.0000	TM 36381.0000	TM 35861.0000	7.4620	TM 121220.0000	94.59%
2	17:38:07	98.94%	-0.0437	TM 38197.0000	TM 36495.0000	TM 35933.0000	7.6268	TM 123950.0000	96.35%
3	17:38:43	101.07%	-0.0451	TM 38267.0000	TM 36172.0000	TM 35688.0000	8.0138	TM 123880.0000	97.20%
4	17:39:20	100.42%	-0.0523	TM 38451.0000	TM 36290.0000	TM 35628.0000	7.5419	TM 125090.0000	98.02%
5	17:39:57	99.12%	-0.0592	TM 38483.0000	TM 36403.0000	TM 35299.0000	7.9784	TM 124640.0000	97.84%
x		99.60%	-0.0529	TM 38114.0000	TM 36348.0000	TM 35682.0000	7.7246	TM 123750.0000	96.80%
%RSD		1.10	16.8630	TM 1.4154	TM 0.3373	TM 0.6929	3.3003	TM 1.2146	1.44

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:37:29	0.4796	0.6953	0.3917	13.9530	154.4400	39.0040	1096.7000	1.0125
2	17:38:07	0.5381	0.8063	0.3764	15.0940	155.4400	35.4880	985.8700	0.9611
3	17:38:43	0.5701	0.4520	0.3582	15.6450	155.8800	34.5660	928.8200	0.9642
4	17:39:20	0.4823	0.7614	0.3913	15.7200	157.6500	34.1810	893.2900	0.9726
5	17:39:57	0.5087	0.9428	0.3918	15.1410	156.9300	32.0520	829.5100	0.9326
x		0.5157	0.7315	0.3819	15.1110	156.0700	35.0580	946.8500	0.9686
%RSD		7.4651	24.6960	3.8750	4.6785	0.8069	7.2440	10.6860	2.9711

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:37:29	4.7494	4.0654	4.0105	745.5200	5.9132	1.7847	0.4991	1.2583
2	17:38:07	4.4374	4.1450	4.1503	747.5200	6.1001	1.6716	1.1828	0.4557
3	17:38:43	4.1991	3.9320	3.9788	742.7800	6.0554	1.3987	0.8828	1.1492
4	17:39:20	4.3558	3.9083	4.2078	747.5600	6.0904	1.5131	0.4602	1.7947
5	17:39:57	4.2864	3.8236	4.1110	740.6000	6.0332	1.3860	0.4737	1.3527
x		4.4056	3.9749	4.0917	744.8000	6.0385	1.5508	0.6997	1.2021
%RSD		4.7951	3.2379	2.3383	0.4099	1.2421	11.2160	46.0660	40.2580

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:37:29	93.67%	0.0162	0.3451	0.0175	3.8238	3.9582	92.39%	0.0000
2	17:38:07	96.78%	0.0237	1.2999	0.0236	4.0538	3.8605	96.22%	0.0000
3	17:38:43	99.16%	0.0378	0.5946	0.0365	3.9537	3.8848	99.33%	0.0000
4	17:39:20	100.44%	0.0369	1.8903	0.0295	3.8903	3.8433	101.33%	0.0000
5	17:39:57	100.94%	0.0329	1.9355	0.0357	4.0064	3.9507	101.34%	0.0000
x		98.20%	0.0295	1.2130	0.0286	3.9456	3.8995	98.12%	0.0000
%RSD		3.06	31.5340	60.0720	28.2360	2.3149	1.3420	3.90	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:37:29	7.9882	59.0630	59.0220	98.43%	0.4148	0.3729	4.9218	5.5728
2	17:38:07	7.9690	59.6280	58.7880	104.13%	0.4026	0.4039	4.9376	5.4639
3	17:38:43	7.9348	57.8060	58.9270	107.90%	0.4837	0.4348	5.0104	5.4677
4	17:39:20	7.8589	60.4850	58.4100	109.81%	0.4494	0.4284	4.9870	5.4311
5	17:39:57	7.8701	59.8910	59.4500	109.97%	0.4441	0.4136	5.0174	5.4422
x		7.9242	59.3750	58.9190	106.05%	0.4389	0.4107	4.9749	5.4756
%RSD		0.7308	1.7095	0.6397	4.59	7.2432	5.9392	0.8656	1.0303

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:37:29	5.2247	91.14%	0.0000
2	17:38:07	5.2461	96.30%	0.0000
3	17:38:43	5.2993	99.56%	0.0000
4	17:39:20	5.2511	101.30%	0.0000
5	17:39:57	5.2902	101.69%	0.0000
x		5.2623	98.00%	0.0000
%RSD		0.5973	4.48	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:42:54	100.42%	-0.0730	T 16212.0000	T 15822.0000	T 15619.0000	2.6950	M 42638.0000	97.72%
2	17:43:31	99.59%	-0.0518	T 16457.0000	T 15994.0000	16025.0000	2.8235	M 43478.0000	98.81%
3	17:44:08	99.29%	-0.0574	T 16568.0000	T 15940.0000	T 15591.0000	3.1292	M 43629.0000	99.90%
4	17:44:44	99.55%	-0.0614	T 16638.0000	16227.0000	T 15570.0000	3.0507	M 43917.0000	99.91%
5	17:45:21	98.26%	-0.0550	T 16982.0000	16560.0000	T 15804.0000	3.3166	M 43997.0000	100.74%
x		99.42%	-0.0597	T 16571.0000	T 16109.0000	T 15722.0000	3.0030	M 43532.0000	99.42%
%RSD		0.78	13.7380	T 1.6945	T 1.8143	T 1.2299	8.2184	M 1.2453	1.18

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:42:54	0.8320	5.8982	0.5401	23.3170	37.4080	42.9770	469.8800	0.2301
2	17:43:31	0.7376	5.7571	0.5154	25.8220	38.3890	43.0940	411.7300	0.2769
3	17:44:08	0.6048	6.0013	0.5083	26.5950	38.5170	42.6050	381.1500	0.2364
4	17:44:44	0.6436	5.9429	0.5516	25.8180	38.4160	42.3370	376.8800	0.2668
5	17:45:21	0.6143	6.1821	0.5236	27.1580	37.8830	40.6320	359.6100	0.2755
x		0.6865	5.9563	0.5278	25.7420	38.1230	42.3290	399.8500	0.2571
%RSD		14.1110	2.6043	3.3751	5.7048	1.2306	2.3506	10.8590	8.6523

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:42:54	1.4569	0.6539	0.8241	27.8470	13.1930	1.4407	0.1875	0.6158
2	17:43:31	1.2388	0.7212	0.8730	28.2080	13.4240	0.9739	0.3877	0.2971
3	17:44:08	1.3365	0.7632	0.8916	27.8740	13.3640	0.6337	0.2860	1.0150
4	17:44:44	1.4233	0.7253	0.8497	27.8510	13.1560	0.4804	0.3923	-0.1374
5	17:45:21	1.2310	0.7167	0.7771	27.9650	13.1540	0.5157	0.4522	-0.6390
x		1.3373	0.7161	0.8431	27.9490	13.2580	0.8089	0.3411	0.2303
%RSD		7.7265	5.4969	5.3056	0.5452	0.9545	49.8760	30.6590	279.6900

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:42:54	96.18%	0.0039	1.1768	0.0060	-0.0285	-0.0341	97.55%	0.0000
2	17:43:31	98.85%	0.0168	1.0756	0.0092	-0.0047	-0.0153	101.35%	0.0000
3	17:44:08	100.29%	0.0388	1.9502	0.0587	-0.0122	0.0016	103.59%	0.0000
4	17:44:44	101.26%	0.0461	2.0230	0.0441	0.0179	-0.0041	104.49%	0.0000
5	17:45:21	101.68%	0.0524	1.4403	0.0449	-0.0029	0.0012	105.16%	0.0000
x		99.65%	0.0316	1.5332	0.0326	-0.0061	-0.0102	102.43%	0.0000
%RSD		2.23	64.8430	28.4080	72.3290	277.2900	148.0400	3.01	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:42:54	5.8751	125.1000	124.9000	102.61%	-0.0289	-0.0203	5.5489	5.6907
2	17:43:31	6.0451	123.1300	122.1400	T 108.94%	-0.0078	-0.0050	5.6218	5.8939
3	17:44:08	5.9922	123.8000	122.2500	109.54%	0.0267	0.0249	5.2979	6.1221
4	17:44:44	6.0606	123.8100	122.6500	T 113.04%	0.0338	0.0149	5.5369	6.0668
5	17:45:21	5.9796	123.2800	122.8100	T 113.55%	0.0209	0.0048	5.4897	5.9869
x		5.9905	123.8200	122.9500	T 109.54%	0.0089	0.0039	5.4991	5.9521
%RSD		1.2189	0.6277	0.9150	T 4.00	294.9600	453.5900	2.2185	2.8488

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:42:54	5.6645	100.45%	0.0000
2	17:43:31	5.6968	104.74%	0.0000
3	17:44:08	5.7586	106.79%	0.0000
4	17:44:44	5.7898	107.72%	0.0000
5	17:45:21	5.7244	110.17%	0.0000
x		5.7268	105.97%	0.0000
%RSD		0.8626	3.45	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:48:19	100.35%	-0.0937	TM 38182.0000	TM 36902.0000	TM 36496.0000	5.3552	TM 123660.0000	95.86%
2	17:48:56	99.30%	-0.0859	TM 38814.0000	TM 37262.0000	TM 36539.0000	5.1080	TM 125830.0000	96.66%
3	17:49:33	98.18%	-0.0818	TM 39457.0000	TM 37591.0000	TM 36944.0000	5.3147	TM 127710.0000	96.43%
4	17:50:10	98.96%	-0.0763	TM 39555.0000	TM 37462.0000	TM 36299.0000	5.2354	TM 127720.0000	96.56%
5	17:50:46	98.61%	-0.0896	TM 39384.0000	TM 37641.0000	TM 36507.0000	5.0811	TM 128050.0000	98.14%
x		99.08%	-0.0855	TM 39078.0000	TM 37372.0000	TM 36557.0000	5.2189	TM 126590.0000	96.73%
%RSD		0.83	7.9467	TM 1.4798	TM 0.8040	TM 0.6462	2.3334	TM 1.4689	0.88

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:48:19	0.5103	0.5675	0.4370	17.7140	147.4400	44.7440	1182.7000	0.7548
2	17:48:56	0.5284	0.6591	0.4572	20.2890	149.2200	41.8130	1026.5000	0.7021
3	17:49:33	0.4466	0.3483	0.3908	19.5410	150.2700	39.7340	955.1200	0.7106
4	17:50:10	0.5062	0.5064	0.4322	18.9980	150.3700	38.7980	936.1400	0.6736
5	17:50:46	0.4399	0.7382	0.3986	19.5960	149.9300	34.7730	898.6900	0.6634
x		0.4863	0.5639	0.4232	19.2280	149.4500	39.9730	999.8300	0.7009
%RSD		8.2721	26.4890	6.5573	5.0050	0.8078	9.2449	11.2320	5.1188

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:48:19	4.6682	4.0436	4.3667	675.8500	5.8176	2.0665	0.4563	1.9969
2	17:48:56	4.6600	4.0167	4.1000	676.3200	5.8474	1.3149	0.7204	1.2274
3	17:49:33	4.5289	3.8986	4.2663	680.2400	5.7077	1.4763	0.7144	0.9038
4	17:50:10	4.4150	4.0891	4.1325	680.1400	5.8452	1.4993	0.6551	1.2646
5	17:50:46	4.2407	3.9200	4.2289	677.3200	5.8159	0.8964	0.9995	0.1855
x		4.5026	3.9936	4.2189	677.9700	5.8068	1.4507	0.7092	1.1156
%RSD		3.9910	2.0419	2.5367	0.3083	0.9867	28.9990	27.4270	58.7980

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:48:19	95.15%	0.0086	0.6118	0.0032	3.7716	3.7484	94.50%	0.0000
2	17:48:56	97.40%	0.0130	0.9691	0.0094	3.6494	3.8462	96.82%	0.0000
3	17:49:33	98.29%	0.0272	2.3349	0.0297	3.7023	3.8123	98.79%	0.0000
4	17:50:10	99.90%	0.0177	1.7046	0.0231	4.0204	3.7701	99.84%	0.0000
5	17:50:46	100.17%	0.0187	1.7787	0.0179	3.7245	3.7245	100.40%	0.0000
x		98.18%	0.0170	1.4798	0.0166	3.7736	3.7803	98.07%	0.0000
%RSD		2.09	40.8320	46.3920	63.4120	3.8360	1.2961	2.46	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:48:19	7.9398	56.8940	57.4590	T 104.28%	0.4274	0.3896	4.5066	4.9962
2	17:48:56	7.8938	58.3020	57.6990	104.74%	0.4097	0.3731	4.3851	4.7584
3	17:49:33	7.9406	57.4000	57.4170	106.94%	0.4334	0.4090	4.3697	4.7736
4	17:50:10	8.1112	56.8890	56.7910	T 111.79%	0.4084	0.4072	4.3955	4.9256
5	17:50:46	8.0060	57.4460	57.3510	T 112.85%	0.4180	0.4030	4.5100	4.9916
x		7.9783	57.3860	57.3430	T 108.12%	0.4194	0.3964	4.4334	4.8891
%RSD		1.0571	1.0056	0.5848	T 3.68	2.5979	3.7984	1.5571	2.3704

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:48:19	4.6696	91.96%	0.0000
2	17:48:56	4.6251	96.75%	0.0000
3	17:49:33	4.5757	99.24%	0.0000
4	17:50:10	4.6159	101.16%	0.0000
5	17:50:46	4.7348	102.23%	0.0000
x		4.6442	98.27%	0.0000
%RSD		1.3051	4.17	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:53:44	101.11%	-0.0807	TM 38521.0000	TM 37461.0000	TM 36866.0000	9.6481	TM 125130.0000	96.25%
2	17:54:21	100.76%	-0.0863	TM 38809.0000	TM 37187.0000	TM 36354.0000	9.6372	TM 124470.0000	97.55%
3	17:54:58	102.50%	-0.0886	TM 39005.0000	TM 36947.0000	TM 36367.0000	9.5548	TM 125590.0000	99.03%
4	17:55:34	100.51%	-0.0900	TM 39395.0000	TM 36857.0000	TM 36785.0000	9.8636	TM 126130.0000	98.71%
5	17:56:11	101.23%	-0.0771	TM 39434.0000	TM 37400.0000	TM 36794.0000	9.6290	TM 129040.0000	98.72%
x		101.22%	-0.0846	TM 39033.0000	TM 37171.0000	TM 36633.0000	9.6666	TM 126070.0000	98.05%
%RSD		0.76	6.4751	TM 0.9962	TM 0.7186	TM 0.6849	1.2009	TM 1.4003	1.18

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:53:44	0.6501	0.2974	0.3863	13.7500	140.0400	38.4620	1116.0000	1.1191
2	17:54:21	0.5914	0.7168	0.4674	15.5630	138.8800	35.8510	1007.1000	1.0960
3	17:54:58	0.4852	0.6127	0.3996	14.8880	138.7400	35.0200	956.3000	1.0486
4	17:55:34	0.4980	0.6343	0.4353	14.0160	139.8400	35.3690	910.0700	1.0489
5	17:56:11	0.3751	1.0615	0.3908	15.6250	139.7800	33.1490	851.6000	1.0312
x		0.5200	0.6645	0.4159	14.7680	139.4600	35.5700	968.2200	1.0688
%RSD		20.3370	41.1240	8.3274	5.8460	0.4301	5.3798	10.3910	3.4652

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:53:44	4.6859	4.0056	4.4046	636.3700	5.7774	2.2301	0.7652	1.0031
2	17:54:21	4.8527	3.9517	4.4012	631.3700	5.8943	1.2160	0.8831	0.1534
3	17:54:58	4.5570	3.9403	4.2686	629.1300	5.6541	1.3898	0.4442	1.1601
4	17:55:34	4.7551	4.1484	4.3230	630.7800	5.5178	0.8626	0.0814	2.5778
5	17:56:11	4.2634	3.9617	4.2243	631.7800	5.7194	0.8745	0.6754	1.3363
x		4.6228	4.0015	4.3243	631.8800	5.7126	1.3146	0.5699	1.2461
%RSD		4.9305	2.1425	1.8453	0.4275	2.4546	42.5490	55.6180	69.9840

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:53:44	95.88%	-0.0010	0.2254	-0.0061	3.4178	3.6823	95.89%	0.0000
2	17:54:21	99.09%	-0.0024	0.6230	0.0074	3.7021	3.6215	98.19%	0.0000
3	17:54:58	100.31%	0.0379	0.7204	0.0484	3.5820	3.5765	100.29%	0.0000
4	17:55:34	100.14%	0.0369	1.8147	0.0434	3.4274	3.5265	100.53%	0.0000
5	17:56:11	101.18%	0.0303	1.6181	0.0281	3.4245	3.5942	101.29%	0.0000
x		99.32%	0.0203	1.0003	0.0242	3.5107	3.6002	99.24%	0.0000
%RSD		2.08	100.1400	68.2810	96.1690	3.6226	1.5967	2.22	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:53:44	7.7101	57.1490	57.8220	102.31%	0.4045	0.3873	3.9213	4.5075
2	17:54:21	7.8330	58.1520	58.4350	106.24%	0.4198	0.3959	4.0883	4.5330
3	17:54:58	7.9289	58.5350	57.3900	T 110.77%	0.4319	0.4310	4.0949	4.3110
4	17:55:34	7.7961	57.3880	57.0290	T 112.10%	0.4392	0.4201	3.8461	4.2685
5	17:56:11	8.0581	58.2050	57.5440	109.87%	0.3922	0.4027	4.0665	4.3855
x		7.8652	57.8860	57.6440	T 108.26%	0.4175	0.4074	4.0034	4.4011
%RSD		1.6956	1.0166	0.9137	T 3.67	4.6211	4.3854	2.8218	2.6559

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:53:44	4.1682	94.10%	0.0000
2	17:54:21	4.2681	97.65%	0.5578
3	17:54:58	4.1918	100.23%	0.0000
4	17:55:34	4.1334	101.33%	0.0000
5	17:56:11	4.2519	102.02%	0.0000
x		4.2027	99.07%	0.1116
%RSD		1.3459	3.26	223.6100

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:59:10	110.75%	0.9605	0.6154	0.5293	0.5241	-0.1082	4.7845	105.08%
2	17:59:47	109.04%	0.9521	3.6701	2.6078	3.7373	0.0226	10.5940	106.67%
3	18:00:23	108.52%	0.8948	13.6500	13.9690	13.3300	0.0675	45.7570	105.64%
4	18:01:00	109.18%	0.8572	12.7550	11.8450	11.8230	0.0338	37.7140	106.52%
5	18:01:37	107.50%	0.9663	21.1020	19.3930	17.9910	0.0575	62.5230	106.50%
x		109.00%	0.9262	10.3580	9.6688	9.4810	0.0146	32.2740	106.08%
%RSD		1.08	5.1803	79.5590	81.9580	75.6790	485.2700	75.1350	0.65

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:59:10	0.2425	4.6526	1.9564	-1.1982	0.9080	17.9120	-5.2434	0.8669
2	17:59:47	0.1964	4.7275	1.9751	0.6887	0.9011	16.2160	-7.3433	0.8611
3	18:00:23	0.1271	4.7470	1.9517	0.2711	0.9212	15.6240	-6.7714	0.8678
4	18:01:00	0.1180	4.6924	1.9242	0.4498	0.9125	14.7630	-8.1686	0.8695
5	18:01:37	0.1098	4.6722	1.9093	1.0623	0.9728	13.4980	-9.4476	0.8702
x		0.1588	4.6984	1.9433	0.2547	0.9231	15.6020	-7.3949	0.8671
%RSD		36.5770	0.8263	1.3552	339.3800	3.1120	10.5540	21.2020	0.4126

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:59:10	0.9163	1.8713	1.9210	1.9296	0.9660	7.1630	5.2344	-0.1887
2	17:59:47	0.8157	1.8423	1.9212	2.0064	0.9218	6.2960	4.9794	0.1045
3	18:00:23	0.8564	1.8922	1.8574	2.2710	0.6175	5.9562	3.9639	0.6221
4	18:01:00	0.8247	1.7618	1.8855	2.1002	0.9253	5.8951	4.9190	-0.0908
5	18:01:37	0.9388	1.8095	1.8842	2.4012	1.1367	5.7367	5.4968	-1.0388
x		0.8704	1.8354	1.8939	2.1417	0.9135	6.2094	4.9187	-0.1183
%RSD		6.3116	2.8111	1.4417	9.0151	20.5100	9.1921	11.8080	508.9900

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:59:10	104.56%	0.9351	-0.2557	0.9449	0.9487	0.8871	104.91%	0.0000
2	17:59:47	107.90%	0.9057	-0.4403	0.9127	0.9346	0.9450	108.81%	0.0000
3	18:00:23	108.22%	0.9447	0.6351	0.9397	0.8914	0.9505	110.10%	0.0000
4	18:01:00	110.23%	0.9944	1.5074	0.9659	0.9963	0.8987	111.79%	0.0000
5	18:01:37	109.53%	0.9974	1.3694	1.0012	0.8685	0.9116	112.51%	0.0000
x		108.09%	0.9555	0.5632	0.9529	0.9279	0.9186	109.62%	0.0000
%RSD		2.03	4.1507	159.4200	3.4646	5.3926	3.0578	2.74	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	17:59:10	1.7093	9.4897	9.7277	106.29%	0.8502	0.8066	0.8550	0.9223
2	17:59:47	1.7011	9.5615	9.6648	τ 112.85%	0.8161	0.8078	0.8736	0.9553
3	18:00:23	1.8082	9.7832	9.4501	τ 114.79%	0.8312	0.8079	0.9265	0.8677
4	18:01:00	1.8080	10.1100	9.3818	τ 117.39%	0.8783	0.8152	0.8790	0.8552
5	18:01:37	1.7402	10.2350	9.5348	τ 117.71%	0.8678	0.8218	0.9520	0.9118
x		1.7534	9.8359	9.5518	τ 113.81%	0.8487	0.8119	0.8972	0.9025
%RSD		2.9666	3.3433	1.5104	τ 4.09	3.0138	0.8023	4.5032	4.5416

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:59:10	0.8848	105.52%	0.0000
2	17:59:47	0.9164	110.38%	0.0000
3	18:00:23	0.8912	113.07%	0.0000
4	18:01:00	0.8959	114.51%	0.0000
5	18:01:37	0.9030	115.59%	0.0000
x		0.8983	111.81%	0.0000
%RSD		1.3483	3.60	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:04:36	102.12%	262.0400	1077.5000	1080.0000	1048.5000	261.2000	1008.8000	97.52%
2	18:05:12	99.71%	259.0600	1105.5000	1072.0000	1068.7000	261.1800	1055.8000	97.63%
3	18:05:49	99.44%	258.1100	1104.5000	1077.9000	1082.6000	260.2000	1057.4000	97.10%
4	18:06:25	98.38%	256.6300	1127.7000	1103.9000	1087.0000	259.5900	1046.1000	96.91%
5	18:07:02	98.88%	254.1300	1106.4000	1067.7000	1060.4000	259.8800	1048.8000	97.24%
x		99.71%	257.9900	1104.3000	1080.3000	1069.5000	260.4100	1043.4000	97.28%
%RSD		1.45	1.1357	1.6155	1.3012	1.4828	0.2864	1.9068	0.30

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:04:36	0.2523	251.4000	254.6300	792.8700	252.2500	1021.8000	997.5900	251.7400
2	18:05:12	0.1568	250.9400	251.9500	791.3800	253.8500	1025.9000	1017.8000	250.8200
3	18:05:49	0.1325	249.5600	251.4800	789.9800	254.1700	1028.4000	1019.4000	250.6400
4	18:06:25	0.1128	248.1600	251.3300	799.1500	252.4100	1023.3000	1004.7000	249.0000
5	18:07:02	0.0791	250.2300	253.5000	801.0100	253.7400	1028.9000	1010.6000	252.6800
x		0.1467	250.0600	252.5800	794.8800	253.2900	1025.7000	1010.0000	250.9700
%RSD		44.6530	0.5078	0.5681	0.6164	0.3506	0.3010	0.9014	0.5466

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:04:36	253.3000	253.3200	252.5700	255.4600	255.7000	259.1200	260.1600	-0.3064
2	18:05:12	253.1900	248.8600	249.7400	258.3900	251.8200	256.0200	259.9100	-0.1245
3	18:05:49	253.7600	250.4600	252.1300	257.6100	253.5100	256.3300	260.7000	0.1966
4	18:06:25	249.6900	247.9400	249.1700	255.2500	252.1200	257.5000	256.6200	-0.1622
5	18:07:02	251.3900	251.1800	248.9800	256.4500	250.6400	254.8900	254.9700	0.6168
x		252.2600	250.3500	250.5200	256.6300	252.7600	256.7700	258.4700	0.0441
%RSD		0.6735	0.8364	0.6793	0.5287	0.7658	0.6256	0.9782	837.7900

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:04:36	97.76%	252.4000	0.2388	252.2400	258.7300	255.4700	99.22%	0.0000
2	18:05:12	98.85%	252.2400	-0.4828	252.6500	259.3400	258.3100	100.62%	0.0000
3	18:05:49	100.01%	251.6800	-1.0007	251.6100	257.5300	255.8000	101.57%	0.0000
4	18:06:25	100.23%	250.0000	1.5025	250.8600	255.6600	255.5900	102.46%	0.0000
5	18:07:02	100.09%	250.2400	1.1454	249.3300	256.7100	255.8900	103.23%	0.0000
x		99.39%	251.3100	0.2806	251.3400	257.5900	256.2100	101.42%	0.0000
%RSD		1.07	0.4478	376.5700	0.5221	0.5779	0.4632	1.55	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:04:36	251.6800	256.6700	254.7300	101.02%	253.5000	249.5700	252.4200	252.9400
2	18:05:12	256.0500	254.6800	254.3600	104.27%	253.9200	250.3000	254.2400	254.9900
3	18:05:49	256.6300	254.6200	255.1200	105.52%	253.1700	251.2400	253.7600	254.9600
4	18:06:25	256.2900	253.7600	253.3100	106.11%	251.7100	249.1400	253.5500	254.5100
5	18:07:02	256.2800	250.7600	248.9900	τ109.77%	254.3000	251.6900	255.7500	255.4800
x		255.3800	254.1000	253.3000	τ105.34%	253.3200	250.3900	253.9400	254.5800
%RSD		0.8155	0.8465	0.9880	τ3.00	0.3939	0.4303	0.4760	0.3834

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:04:36	251.3700	102.21%	0.0000
2	18:05:12	252.0100	105.20%	0.0000
3	18:05:49	252.2900	107.13%	1.0168
4	18:06:25	252.0800	108.09%	0.0000
5	18:07:02	253.9100	107.81%	0.0000
x		252.3300	106.09%	0.2034
%RSD		0.3759	2.30	223.6100

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:10:02	100.82%	-0.0901	-0.1002	-0.0062	-0.2024	-0.3876	4.3035	97.18%
2	18:10:39	101.47%	-0.0846	0.5767	0.1773	0.2839	-0.3763	1.1879	98.02%
3	18:11:15	101.31%	-0.0772	1.0414	0.9797	1.2501	-0.3553	2.8371	99.38%
4	18:11:52	102.03%	-0.0589	1.8210	2.0170	1.6666	-0.2170	1.1248	100.05%
5	18:12:29	101.23%	-0.0772	1.4909	0.9080	1.8267	-0.3184	5.3962	100.86%
x		101.37%	-0.0776	0.9660	0.8152	0.9650	-0.3309	2.9699	99.10%
%RSD		0.43	15.2140	78.5120	98.1720	91.8570	20.8250	63.5820	1.51

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:10:02	0.2043	-0.0446	0.0072	-2.5004	-0.0541	6.5436	-5.9171	-0.0659
2	18:10:39	0.1612	-0.0186	-0.0369	-0.9213	-0.0595	5.6528	-4.3293	-0.0574
3	18:11:15	0.1120	-0.0253	-0.0511	-0.4077	-0.0419	4.8527	-4.3804	-0.0500
4	18:11:52	0.0818	0.0153	0.0115	-0.3982	-0.0353	5.2545	-8.3071	-0.0481
5	18:12:29	0.1187	-0.0252	-0.0336	-0.7581	-0.0441	5.2876	-1.0021	-0.0469
x		0.1356	-0.0197	-0.0206	-0.9971	-0.0470	5.5182	-4.7872	-0.0537
%RSD		35.2010	111.0000	136.8700	87.2670	20.6690	11.5870	55.6300	14.8560

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:10:02	-0.0722	-0.0392	-0.0334	-0.0274	-0.0200	1.1664	0.1872	-0.7781
2	18:10:39	-0.0435	-0.0438	-0.0681	-0.0103	-0.0348	0.8526	-0.0913	-0.3993
3	18:11:15	-0.0288	-0.0684	-0.0813	-0.0356	-0.1192	0.8566	-0.3582	0.9069
4	18:11:52	-0.0513	-0.0569	-0.0690	0.0257	-0.0216	0.6398	0.0624	-0.3771
5	18:12:29	-0.0580	-0.0545	-0.0441	0.0300	-0.0229	0.7020	0.1216	-0.8922
x		-0.0508	-0.0526	-0.0592	-0.0035	-0.0437	0.8435	-0.0157	-0.3080
%RSD		31.8960	21.8650	33.3610	857.0400	97.4620	24.1540	1387.2000	232.5400

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:10:02	96.53%	-0.0036	-0.4316	-0.0017	-0.0547	-0.0614	96.92%	0.0000
2	18:10:39	98.42%	-0.0108	0.5114	-0.0085	-0.0593	-0.0503	100.41%	0.0000
3	18:11:15	101.35%	-0.0140	0.5332	-0.0060	-0.0409	-0.0453	102.86%	0.0000
4	18:11:52	102.35%	-0.0084	-0.1138	-0.0051	-0.0392	-0.0442	104.64%	0.0000
5	18:12:29	103.63%	-0.0083	0.3345	-0.0066	-0.0415	-0.0400	105.36%	0.0000
x		100.46%	-0.0090	0.1668	-0.0056	-0.0471	-0.0482	102.04%	0.0000
%RSD		2.90	42.0780	254.0600	44.5900	19.5060	17.0050	3.37	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:10:02	0.3514	-0.0709	-0.0597	99.07%	-0.1006	-0.0984	-0.0645	-0.0597
2	18:10:39	0.4414	-0.0712	-0.0721	τ106.18%	-0.0978	-0.0925	-0.0607	-0.0504
3	18:11:15	0.3704	-0.0580	-0.0609	105.33%	-0.0801	-0.0859	-0.0616	-0.0449
4	18:11:52	0.2840	-0.0266	-0.0543	τ110.68%	-0.0796	-0.0674	-0.0397	-0.0471
5	18:12:29	0.2056	-0.0392	-0.0577	108.44%	-0.0879	-0.0743	-0.0405	-0.0402
x		0.3305	-0.0532	-0.0609	τ105.94%	-0.0892	-0.0837	-0.0534	-0.0485
%RSD		27.1000	37.2230	11.0010	τ4.12	10.9230	15.2500	22.8890	15.0400

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:10:02	-0.0603	99.33%	0.0000
2	18:10:39	-0.0565	103.57%	0.0000
3	18:11:15	-0.0488	106.25%	0.0000
4	18:11:52	-0.0435	108.08%	0.0000
5	18:12:29	-0.0420	109.92%	0.0000
x		-0.0502	105.43%	0.0000
%RSD		15.9380	3.93	0.0000

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:15:28	99.46%	-0.1031	T 18582.0000	T 18499.0000	T 18229.0000	12.1500	M 58980.0000	93.63%
2	18:16:05	99.87%	-0.0613	T 19024.0000	T 18865.0000	T 18538.0000	12.4040	M 59463.0000	93.73%
3	18:16:42	101.52%	-0.0565	T 19060.0000	19309.0000	T 18342.0000	11.9980	M 59703.0000	95.45%
4	18:17:19	103.08%	-0.0426	T 19244.0000	T 18561.0000	T 18293.0000	12.2860	M 60290.0000	96.31%
5	18:17:56	102.48%	-0.0737	T 19150.0000	19191.0000	T 18308.0000	12.0980	M 59930.0000	96.25%
x		101.28%	-0.0674	T 19012.0000	T 18885.0000	T 18342.0000	12.1870	M 59673.0000	95.07%
%RSD		1.56	33.8450	T 1.3421	T 1.9230	T 0.6380	1.3102	M 0.8261	1.38

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:15:28	0.4061	0.3494	0.2244	39.7280	80.4440	76.4890	650.3900	0.2835
2	18:16:05	0.4011	0.3966	0.2162	42.8920	81.5050	76.0260	574.0400	0.2825
3	18:16:42	0.4210	0.3963	0.2738	44.7880	81.6730	72.9130	513.3400	0.2931
4	18:17:19	0.2976	0.3977	0.2591	46.2870	81.0220	73.1610	525.9000	0.2709
5	18:17:56	0.3663	0.5791	0.2702	41.3220	81.4560	72.4120	496.2800	0.2811
x		0.3784	0.4238	0.2487	43.0040	81.2200	74.2000	551.9900	0.2822
%RSD		13.0590	21.0550	10.7230	6.1010	0.6105	2.5670	11.2580	2.7926

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:15:28	2.4856	3.4448	3.7534	427.2300	4.0491	1.7323	0.3881	0.1822
2	18:16:05	2.4872	3.5943	3.6863	429.6100	4.2099	1.5985	0.6601	-0.0541
3	18:16:42	2.5457	3.3647	3.6504	427.9300	3.8958	0.9899	0.5125	0.3769
4	18:17:19	2.2070	3.4332	3.3749	428.4500	3.7522	1.2251	0.3929	1.1279
5	18:17:56	2.3085	3.5024	3.4953	431.8000	4.0838	0.9380	0.5541	0.0461
x		2.4068	3.4679	3.5921	429.0100	3.9982	1.2968	0.5015	0.3358
%RSD		5.9328	2.4793	4.2869	0.4168	4.4347	27.5010	22.8810	140.3600

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:15:28	92.41%	0.0535	0.7576	0.0657	2.2209	2.2628	92.08%	0.0000
2	18:16:05	94.92%	0.0786	0.2735	0.0631	2.3401	2.2830	95.28%	0.0000
3	18:16:42	97.10%	0.0607	1.1760	0.0697	2.3174	2.3291	97.55%	0.0000
4	18:17:19	98.10%	0.0635	1.5226	0.0597	2.3372	2.2757	98.27%	0.0000
5	18:17:56	98.20%	0.0660	1.1444	0.0619	2.3231	2.2283	99.69%	0.0000
x		96.15%	0.0645	0.9748	0.0640	2.3077	2.2758	96.58%	0.0000
%RSD		2.57	14.2740	48.8850	6.0004	2.1429	1.6023	3.08	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:15:28	4.3289	30.2700	30.2930	97.29%	0.1419	0.1352	20.6130	22.3770
2	18:16:05	4.3965	29.7840	29.7110	101.73%	0.1617	0.1746	20.4700	22.4970
3	18:16:42	4.4485	29.8890	29.3570	103.98%	0.2132	0.2110	20.4640	22.3950
4	18:17:19	4.4402	29.7240	29.5610	105.78%	0.1874	0.1717	20.6600	22.2780
5	18:17:56	4.3026	30.1280	29.5530	T 109.82%	0.1655	0.1513	20.5540	22.3160
x		4.3833	29.9590	29.6950	T 103.72%	0.1740	0.1688	20.5520	22.3720
%RSD		1.4930	0.7753	1.2026	T 4.49	15.6680	16.9270	0.4204	0.3745

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:15:28	21.5240	92.32%	0.0000
2	18:16:05	21.5220	96.85%	0.0000
3	18:16:42	21.5260	99.79%	0.0000
4	18:17:19	21.4180	101.28%	0.0000
5	18:17:56	21.4410	102.34%	0.0000
x		21.4860	98.52%	0.0000
%RSD		0.2437	4.09	0.0000

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:20:56	106.53%	-0.0931	τ3835.3000	3830.6000	3804.0000	3.1667	11624.0000	99.09%
2	18:21:32	106.02%	-0.0912	τ3882.3000	3843.8000	3791.1000	3.2635	11807.0000	99.57%
3	18:22:09	105.44%	-0.0767	τ3902.6000	3832.3000	3802.0000	3.2458	11659.0000	100.10%
4	18:22:46	105.83%	-0.0625	τ3931.8000	3828.5000	3780.0000	3.2878	11717.0000	99.07%
5	18:23:22	105.75%	-0.0589	τ3966.7000	3833.2000	3746.4000	3.4210	11754.0000	100.01%
x		105.91%	-0.0765	τ3903.8000	3833.7000	3784.7000	3.2770	11712.0000	99.57%
%RSD		0.38	20.6940	τ1.2746	0.1547	0.6195	2.8210	0.6222	0.49

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:20:56	0.2210	0.0844	0.0905	8.7116	16.2580	29.4930	137.9000	0.0033
2	18:21:32	0.2547	-0.0286	0.0680	8.5651	16.4140	27.5700	116.8600	-0.0024
3	18:22:09	0.1689	0.1543	0.0343	7.5529	16.4510	29.2270	114.8100	0.0117
4	18:22:46	0.1629	-0.0630	0.0395	7.1762	16.5930	27.6210	108.5700	0.0316
5	18:23:22	0.1565	0.1531	0.0888	7.0300	16.6560	25.5300	101.6100	0.0356
x		0.1928	0.0601	0.0642	7.8072	16.4740	27.8880	115.9500	0.0160
%RSD		22.3220	168.8000	41.3170	10.0430	0.9497	5.6981	11.7620	106.1500

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:20:56	0.4953	0.6119	0.6561	90.8060	0.7355	1.5958	0.0374	-0.8242
2	18:21:32	0.4025	0.6315	0.6652	91.6700	0.6364	1.3825	-0.0292	-0.1184
3	18:22:09	0.4496	0.6209	0.6275	93.0660	0.7228	1.0835	-0.2015	0.0612
4	18:22:46	0.5023	0.6723	0.6130	91.4160	0.7560	0.8564	0.2640	-0.6522
5	18:23:22	0.5757	0.5875	0.6250	92.4230	0.7742	0.4991	0.1538	-1.0141
x		0.4851	0.6249	0.6374	91.8760	0.7250	1.0835	0.0449	-0.5095
%RSD		13.3200	4.9780	3.4805	0.9604	7.3473	39.8300	395.4300	90.6080

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:20:56	98.07%	-0.0092	-0.3408	-0.0110	0.4056	0.4337	99.10%	0.0000
2	18:21:32	100.68%	-0.0073	0.5538	-0.0027	0.4055	0.4014	101.83%	0.0000
3	18:22:09	101.56%	0.0202	0.7909	0.0061	0.4329	0.4261	103.59%	0.0000
4	18:22:46	102.48%	0.0274	1.8499	0.0162	0.4148	0.4364	104.40%	0.0000
5	18:23:22	103.10%	0.0164	1.0990	0.0153	0.4486	0.4442	105.46%	0.0000
x		101.18%	0.0095	0.7906	0.0048	0.4215	0.4284	102.88%	0.0000
%RSD		1.94	175.6900	101.0600	244.2500	4.4698	3.8290	2.42	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:20:56	0.6951	5.6096	6.2600	101.30%	-0.0677	-0.0664	3.9129	4.2783
2	18:21:32	0.7587	5.7843	6.0203	104.66%	-0.0531	-0.0529	4.0365	4.3699
3	18:22:09	0.7449	5.8517	6.3613	τ110.68%	-0.0214	-0.0330	4.0188	4.3987
4	18:22:46	0.7409	5.9034	5.9363	108.51%	-0.0117	-0.0173	4.1937	4.4777
5	18:23:22	0.7756	6.2219	6.2003	τ113.22%	-0.0432	-0.0365	4.0614	4.3791
x		0.7430	5.8742	6.1556	τ107.67%	-0.0394	-0.0412	4.0446	4.3807
%RSD		4.0457	3.8098	2.8330	τ4.41	58.0750	45.9560	2.4899	1.6279

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:20:56	4.1487	100.77%	0.0000
2	18:21:32	4.2143	104.05%	0.5235
3	18:22:09	4.1699	107.52%	0.0000
4	18:22:46	4.2791	109.10%	0.0000
5	18:23:22	4.1925	109.14%	0.0000
x		4.2009	106.12%	0.1047
%RSD		1.1934	3.43	223.6100

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:26:21	102.37%	-0.0922	T 19039.0000	T 18861.0000	T 18543.0000	14.9830	M 60130.0000	94.58%
2	18:26:57	103.15%	-0.0979	T 19282.0000	T 18777.0000	T 18563.0000	14.4520	M 60800.0000	95.54%
3	18:27:34	101.92%	-0.0679	T 19593.0000	T 19042.0000	T 18666.0000	14.5560	M 61629.0000	96.13%
4	18:28:11	103.52%	-0.0870	T 19417.0000	T 18771.0000	T 18373.0000	14.9580	M 61892.0000	96.08%
5	18:28:48	103.50%	-0.0796	T 19428.0000	T 18797.0000	T 18759.0000	14.7590	M 61796.0000	96.78%
x		102.89%	-0.0849	T 19352.0000	T 18850.0000	T 18581.0000	14.7420	M 61250.0000	95.82%
%RSD		0.70	13.7210	T 1.0687	T 0.6005	T 0.7790	1.6050	M 1.2409	0.86

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:26:21	0.5025	0.0489	0.2465	44.5750	76.7480	75.0000	668.4500	0.2611
2	18:26:57	0.4394	0.4494	0.2273	44.0330	76.4920	73.1090	615.8400	0.2707
3	18:27:34	0.3393	0.0042	0.2096	43.7230	76.7960	71.1690	506.8400	0.2462
4	18:28:11	0.3468	0.0084	0.2095	45.0690	77.6190	73.1430	537.9000	0.2309
5	18:28:48	0.2825	0.1584	0.1950	46.5500	77.1380	69.7840	515.6500	0.2457
x		0.3821	0.1339	0.2176	44.7900	76.9590	72.4410	568.9400	0.2509
%RSD		22.9580	139.7500	9.0959	2.4802	0.5651	2.7749	12.3540	6.1243

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:26:21	2.3492	3.4247	3.5431	395.6900	3.7665	1.5810	0.6054	-0.2185
2	18:26:57	2.3050	3.2356	3.4798	395.8800	3.8488	1.2015	0.4521	0.7787
3	18:27:34	2.1835	3.4350	3.2429	396.9400	3.8933	1.3773	0.4944	0.5839
4	18:28:11	2.2554	3.2620	3.5286	395.2400	3.6339	0.8652	0.3767	-0.1695
5	18:28:48	2.2760	3.1643	3.4114	392.0800	3.5715	0.4452	0.8523	-0.6985
x		2.2738	3.3043	3.4412	395.1700	3.7428	1.0940	0.5562	0.0552
%RSD		2.7071	3.6351	3.5506	0.4640	3.6743	40.9350	33.2690	1107.5000

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:26:21	92.91%	0.0552	0.0470	0.0462	2.1703	2.1150	93.45%	0.0000
2	18:26:57	96.10%	0.0656	0.6259	0.0667	2.1109	2.1112	96.91%	0.0000
3	18:27:34	97.28%	0.0675	1.4358	0.0678	2.2507	2.1286	98.68%	0.0000
4	18:28:11	98.23%	0.0512	1.2072	0.0626	2.1178	2.1295	98.68%	0.0000
5	18:28:48	99.13%	0.0540	1.1623	0.0550	2.2718	2.1518	100.16%	0.0000
x		96.73%	0.0587	0.8956	0.0597	2.1843	2.1272	97.58%	0.0000
%RSD		2.50	12.4820	62.4880	15.2040	3.4009	0.7496	2.64	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:26:21	4.3901	29.8860	28.9910	98.82%	0.1467	0.1421	20.9680	22.9640
2	18:26:57	4.3021	29.1520	30.1440	102.69%	0.1471	0.1541	20.9960	23.2640
3	18:27:34	4.3448	29.5790	29.1220	105.79%	0.1683	0.1664	21.0430	22.6870
4	18:28:11	4.2873	29.2740	28.9790	107.48%	0.1679	0.1374	20.7490	22.9830
5	18:28:48	4.2271	28.3120	28.7460	107.91%	0.1411	0.1447	21.1600	23.2110
x		4.3103	29.2410	29.1960	104.54%	0.1542	0.1489	20.9830	23.0220
%RSD		1.4242	2.0258	1.8731	3.63	8.3753	7.7254	0.7153	0.9980

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:26:21	21.9400	94.21%	0.0000
2	18:26:57	22.1470	98.35%	0.0000
3	18:27:34	21.8700	101.33%	0.0000
4	18:28:11	21.8270	102.76%	0.0000
5	18:28:48	22.1620	103.51%	0.0000
x		21.9890	100.03%	0.0000
%RSD		0.7105	3.81	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:31:50	104.73%	-0.0891	T 19161.0000	T 18762.0000	T 18569.0000	11.0670	M 60972.0000	95.46%
2	18:32:26	103.75%	-0.0980	T 19371.0000	T 19029.0000	T 18650.0000	11.0030	M 61031.0000	96.19%
3	18:33:03	103.40%	-0.0815	T 19464.0000	T 18997.0000	T 18499.0000	10.8840	M 61265.0000	97.20%
4	18:33:40	102.82%	-0.0942	T 19612.0000	T 18966.0000	T 18622.0000	11.1150	M 61379.0000	97.28%
5	18:34:17	102.82%	-0.0887	T 19558.0000	T 18692.0000	T 18425.0000	10.8730	M 62373.0000	97.61%
x		103.50%	-0.0903	T 19433.0000	T 18889.0000	T 18553.0000	10.9880	M 61404.0000	96.75%
%RSD		0.77	6.9484	T 0.9153	T 0.8035	T 0.4958	0.9824	M 0.9234	0.92

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:31:50	0.4048	0.0747	0.2230	36.0470	70.7680	66.5660	620.6500	0.2445
2	18:32:26	0.3335	0.1323	0.2224	35.2120	71.0930	63.3460	539.1900	0.2048
3	18:33:03	0.3651	0.3577	0.1974	35.8010	70.5500	61.3030	513.8500	0.2546
4	18:33:40	0.3461	0.2914	0.2296	35.9910	70.2310	60.9240	510.0600	0.2381
5	18:34:17	0.3426	0.2664	0.2381	36.0570	71.0670	61.2830	506.0600	0.2185
x		0.3584	0.2245	0.2221	35.8210	70.7420	62.6840	537.9600	0.2321
%RSD		7.9113	52.1850	6.8399	0.9939	0.5133	3.7818	8.9230	8.6815

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:31:50	2.5073	3.0817	3.2745	361.8100	3.5663	1.6645	0.1426	0.9056
2	18:32:26	2.2289	3.1240	3.1267	362.8200	3.6574	1.4878	0.6252	-0.7917
3	18:33:03	1.9390	3.1014	2.9230	362.6200	3.6239	1.5128	0.3097	0.5281
4	18:33:40	2.2319	2.9975	3.1435	358.4700	3.5479	0.5472	0.4792	0.8321
5	18:34:17	2.0849	3.0317	2.9390	359.2200	3.5901	0.8466	0.3503	0.3909
x		2.1984	3.0673	3.0813	360.9900	3.5971	1.2118	0.3814	0.3730
%RSD		9.5861	1.6878	4.8287	0.5571	1.2250	40.1480	47.6560	183.5800

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:31:50	94.79%	0.0304	-0.0219	0.0442	1.9233	2.0930	95.34%	0.0000
2	18:32:26	97.22%	0.0458	0.9975	0.0447	2.0961	2.0009	98.42%	0.0000
3	18:33:03	98.63%	0.0499	1.3997	0.0536	2.0191	2.0550	99.82%	0.0000
4	18:33:40	99.99%	0.0388	1.0999	0.0551	2.0530	1.9947	101.23%	0.0000
5	18:34:17	100.44%	0.0299	1.6084	0.0473	2.0312	1.9841	101.42%	0.0000
x		98.21%	0.0390	1.0167	0.0489	2.0245	2.0256	99.24%	0.0000
%RSD		2.33	23.0140	61.8700	10.3490	3.1492	2.3018	2.52	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:31:50	4.2408	29.0590	28.1410	101.17%	0.1576	0.1325	15.4280	16.3830
2	18:32:26	4.1802	28.9110	28.9080	T 107.96%	0.1711	0.1498	14.9980	16.2430
3	18:33:03	4.1056	28.6200	29.2860	106.54%	0.1266	0.1481	15.2720	16.5880
4	18:33:40	4.1816	29.7990	29.3100	108.84%	0.1533	0.1499	15.2770	16.9590
5	18:34:17	4.0676	29.0040	28.2600	T 113.21%	0.1481	0.1368	15.0360	16.5890
x		4.1552	29.0790	28.7810	T 107.54%	0.1514	0.1434	15.2020	16.5530
%RSD		1.6491	1.5019	1.9285	T 4.04	10.7260	5.7166	1.1894	1.6334

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:31:50	16.0470	96.23%	0.0000
2	18:32:26	15.8350	99.80%	0.0000
3	18:33:03	15.8590	103.00%	0.0000
4	18:33:40	15.9690	104.33%	0.0000
5	18:34:17	15.8380	106.08%	0.0000
x		15.9100	101.89%	0.0000
%RSD		0.5936	3.84	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:37:14	101.95%	-0.0996	T 19197.0000	T 18924.0000	T 18454.0000	2.1069	M 60702.0000	95.08%
2	18:37:51	103.74%	-0.0870	T 19454.0000	T 18886.0000	T 18483.0000	2.0234	M 60908.0000	96.62%
3	18:38:27	103.65%	-0.0742	T 19476.0000	T 18782.0000	T 18354.0000	2.0216	M 61593.0000	97.60%
4	18:39:04	102.75%	-0.0942	T 19697.0000	T 18748.0000	T 18556.0000	2.2485	M 61933.0000	96.78%
5	18:39:41	104.26%	-0.1000	T 19565.0000	T 18847.0000	T 18486.0000	1.9912	M 61616.0000	97.49%
x		103.27%	-0.0910	T 19478.0000	T 18837.0000	T 18467.0000	2.0783	M 61350.0000	96.72%
%RSD		0.89	11.8110	T 0.9447	T 0.3840	T 0.3957	5.0239	M 0.8489	1.04

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:37:14	0.4499	0.3312	0.2088	7.8283	78.9390	27.6510	558.7100	0.5174
2	18:37:51	0.3553	0.4107	0.1839	8.3399	79.6000	23.3380	488.7800	0.4625
3	18:38:27	0.3812	0.3379	0.2384	7.3205	79.3570	22.8400	499.0600	0.4630
4	18:39:04	0.3338	0.0428	0.2030	8.3188	79.5220	21.2580	481.6000	0.4167
5	18:39:41	0.3048	0.4777	0.2563	8.2947	80.3860	20.8600	461.0300	0.4471
x		0.3650	0.3200	0.2181	8.0204	79.5610	23.1890	497.8400	0.4614
%RSD		15.1080	51.8950	13.2870	5.5521	0.6624	11.6530	7.3858	7.9224

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:37:14	2.4737	1.9355	2.0341	398.3700	3.3985	1.4056	0.5589	0.5356
2	18:37:51	2.1863	1.8579	2.3020	401.6400	3.3077	0.8992	0.5409	0.1357
3	18:38:27	2.4062	2.0495	2.1575	398.9800	3.1541	0.6371	0.4983	-0.2811
4	18:39:04	2.1573	1.9544	2.2182	397.8700	2.9876	0.8569	0.3856	-0.4313
5	18:39:41	2.1756	1.8995	2.1755	397.4500	3.1638	0.7959	0.7603	-0.3863
x		2.2798	1.9393	2.1775	398.8600	3.2023	0.9190	0.5488	-0.0855
%RSD		6.5120	3.7010	4.4834	0.4144	4.9245	31.5240	24.7970	483.3000

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:37:14	94.83%	-0.0100	0.8982	-0.0107	1.9703	2.0061	95.44%	0.0000
2	18:37:51	97.60%	0.0025	1.7187	-0.0059	1.9262	1.9921	98.70%	0.0000
3	18:38:27	99.34%	0.0303	1.1538	0.0280	2.0216	2.0212	100.14%	0.0000
4	18:39:04	99.77%	0.0064	0.7611	0.0294	1.9652	1.9554	100.86%	0.0000
5	18:39:41	100.58%	0.0035	1.1290	0.0067	1.9411	1.9701	101.66%	0.0000
x		98.42%	0.0066	1.1322	0.0095	1.9649	1.9890	99.36%	0.0000
%RSD		2.32	224.2200	32.3610	196.2800	1.8550	1.3352	2.46	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:37:14	3.8036	29.8860	30.1260	100.74%	0.1238	0.1148	2.4179	2.6724
2	18:37:51	3.6742	29.6000	29.4730	T 108.73%	0.1266	0.1356	2.4332	2.6740
3	18:38:27	4.0071	29.7060	29.9060	107.37%	0.1680	0.1408	2.4791	2.7401
4	18:39:04	3.7746	29.2760	29.7480	T 112.29%	0.1286	0.1323	2.4792	2.6530
5	18:39:41	3.7457	29.2450	29.4870	T 112.96%	0.1259	0.1199	2.4684	2.7344
x		3.8011	29.5430	29.7480	T 108.42%	0.1346	0.1287	2.4556	2.6948
%RSD		3.2838	0.9385	0.9384	T 4.51	13.9500	8.4782	1.1511	1.4729

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:37:14	2.4989	96.42%	0.0000
2	18:37:51	2.5647	100.82%	0.0000
3	18:38:27	2.6012	103.28%	0.0000
4	18:39:04	2.5587	104.55%	0.0000
5	18:39:41	2.6009	105.80%	0.0000
x		2.5649	102.17%	0.0000
%RSD		1.6323	3.63	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:42:38	101.18%	-0.1014	T 19562.0000	T 19038.0000	T 18886.0000	2.3025	M 61919.0000	93.56%
2	18:43:15	101.02%	-0.0939	T 19591.0000	T 19061.0000	T 18927.0000	2.4455	M 62802.0000	95.14%
3	18:43:51	103.16%	-0.0980	T 19871.0000	T 19218.0000	T 18781.0000	2.4863	M 62117.0000	96.47%
4	18:44:29	104.10%	-0.0890	TM 20042.0000	T 19226.0000	T 19115.0000	2.2720	M 63033.0000	97.51%
5	18:45:06	102.89%	-0.0850	T 19971.0000	T 18930.0000	T 18774.0000	2.3008	M 63046.0000	97.99%
x		102.47%	-0.0934	TM 19807.0000	T 19095.0000	T 18897.0000	2.3614	M 62583.0000	96.13%
%RSD		1.30	7.0653	TM 1.1088	T 0.6617	T 0.7354	4.1167	M 0.8469	1.88

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:42:38	0.3908	0.3755	0.2121	5.7495	75.4230	28.1800	577.2400	0.3296
2	18:43:15	0.3705	0.1529	0.3024	8.6893	76.1490	26.9270	527.7700	0.3348
3	18:43:51	0.3594	0.3059	0.2109	9.7635	75.7950	26.3090	504.8100	0.3733
4	18:44:29	0.3177	0.3859	0.2067	10.1150	75.0220	23.8160	467.4800	0.3331
5	18:45:06	0.2390	0.4204	0.2281	9.8183	75.7000	23.3540	455.3000	0.3304
x		0.3355	0.3281	0.2320	8.8272	75.6180	25.7170	506.5200	0.3402
%RSD		17.9340	32.4270	17.3140	20.4310	0.5586	8.0351	9.6738	5.4608

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:42:38	2.5151	2.1490	2.2341	363.6300	3.1793	1.2083	0.3454	-0.0375
2	18:43:15	2.3776	2.0812	2.0879	363.6400	3.0346	0.9054	0.4175	0.3255
3	18:43:51	2.2078	2.0991	2.2354	360.2900	2.8888	0.2673	0.5477	-1.2003
4	18:44:29	2.3490	1.9884	2.4488	361.1700	2.9077	0.9563	0.3372	-0.5065
5	18:45:06	2.0989	2.0283	2.2524	357.7800	2.8516	0.6854	0.7893	-0.0447
x		2.3097	2.0692	2.2517	361.3000	2.9724	0.8046	0.4874	-0.2927
%RSD		6.9528	3.0180	5.7158	0.6820	4.5276	43.9010	38.7050	200.5500

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:42:38	94.44%	-0.0084	0.5300	-0.0129	1.9692	1.9780	94.47%	0.0000
2	18:43:15	96.54%	-0.0050	1.2867	-0.0036	2.0421	1.8991	97.12%	0.0000
3	18:43:51	99.34%	0.0146	1.3445	0.0208	2.0263	1.9611	100.00%	0.0000
4	18:44:29	99.81%	0.0224	0.7078	0.0199	1.9527	1.9630	101.11%	0.0000
5	18:45:06	100.81%	0.0045	1.5530	0.0021	1.9374	1.9363	102.45%	0.0000
x		98.19%	0.0056	1.0844	0.0052	1.9855	1.9475	99.03%	0.0000
%RSD		2.67	230.2300	40.6530	282.3800	2.3236	1.5881	3.25	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:42:38	4.0163	29.4210	29.1710	100.71%	0.1286	0.1246	2.1875	2.2619
2	18:43:15	3.9321	29.8260	29.3470	104.14%	0.1433	0.1401	2.1570	2.4476
3	18:43:51	3.7651	29.0800	28.8320	106.65%	0.1592	0.1499	2.1591	2.3125
4	18:44:29	3.9769	29.9430	29.0710	109.07%	0.1676	0.1553	2.1449	2.4421
5	18:45:06	3.9114	29.0600	28.5140	110.30%	0.1405	0.1246	2.1471	2.4397
x		3.9204	29.4660	28.9870	106.17%	0.1478	0.1389	2.1591	2.3807
%RSD		2.4436	1.3915	1.1158	3.64	10.4970	10.1920	0.7885	3.6670

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:42:38	2.2687	96.22%	0.0000
2	18:43:15	2.2768	99.96%	0.5449
3	18:43:51	2.2430	102.69%	0.0000
4	18:44:29	2.2745	104.92%	0.0000
5	18:45:06	2.2765	105.89%	0.0000
x		2.2679	101.94%	0.1090
%RSD		0.6295	3.85	223.6100

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:48:03	102.80%	-0.0923	T 19331.0000	T 18973.0000	T 18709.0000	3.7887	M 61429.0000	94.97%
2	18:48:41	102.40%	-0.0960	T 19708.0000	T 19122.0000	T 18813.0000	3.5675	M 61704.0000	95.58%
3	18:49:17	101.69%	-0.0884	T 19996.0000	T 19351.0000	T 19006.0000	3.6147	M 62582.0000	96.54%
4	18:49:54	103.01%	-0.1035	T 19943.0000	T 19177.0000	T 18853.0000	3.7450	M 62973.0000	97.24%
5	18:50:31	102.67%	-0.0923	TM 20091.0000	T 19153.0000	T 18924.0000	3.7905	M 63351.0000	97.39%
x		102.51%	-0.0945	TM 19814.0000	T 19155.0000	T 18861.0000	3.7013	M 62408.0000	96.34%
%RSD		0.50	6.0165	TM 1.5365	T 0.7052	T 0.5958	2.7980	M 1.3147	1.09

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:48:03	0.4319	0.1503	0.2198	7.7217	70.3350	27.7230	585.6100	0.5336
2	18:48:41	0.3587	0.2096	0.2226	7.3096	70.8360	25.0840	511.4000	0.5454
3	18:49:17	0.3775	0.1871	0.2064	8.3053	71.1640	22.4650	464.4200	0.5231
4	18:49:54	0.2474	0.2125	0.2130	7.7745	71.6630	21.4380	490.8200	0.5187
5	18:50:31	0.2523	0.1036	0.2515	6.1971	71.2260	21.3400	465.9800	0.4977
x		0.3336	0.1726	0.2227	7.4616	71.0450	23.6100	503.6400	0.5237
%RSD		24.2910	26.6070	7.7563	10.5940	0.6955	11.6530	9.8779	3.4057

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:48:03	2.5070	2.0668	2.2198	340.2100	3.1711	1.4979	0.4266	-0.0531
2	18:48:41	2.3598	2.0238	2.2674	341.8700	2.8366	1.0033	0.3810	-0.3573
3	18:49:17	2.2364	1.9879	2.2705	340.1200	3.1632	0.9431	0.6114	0.2948
4	18:49:54	2.3451	2.0523	2.0642	338.6500	2.7408	0.7005	0.7144	-0.4516
5	18:50:31	2.2597	1.8991	2.1445	335.5100	3.0442	0.6637	0.2877	0.2554
x		2.3416	2.0060	2.1933	339.2700	2.9912	0.9617	0.4842	-0.0624
%RSD		4.5536	3.3352	4.0267	0.7049	6.5034	34.7450	36.0290	547.9100

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:48:03	94.70%	-0.0126	0.8827	-0.0153	1.7909	1.8755	94.77%	0.0000
2	18:48:41	97.34%	0.0103	1.0085	0.0071	1.9264	1.8110	98.08%	0.0000
3	18:49:17	99.29%	0.0376	1.4285	0.0373	1.8432	1.8673	99.53%	0.0000
4	18:49:54	100.44%	0.0192	1.2291	0.0198	1.9565	1.8560	101.27%	0.0000
5	18:50:31	100.32%	-0.0022	1.3223	0.0017	1.7536	1.8077	102.23%	0.0000
x		98.42%	0.0105	1.1742	0.0101	1.8541	1.8435	99.18%	0.0000
%RSD		2.46	185.5200	19.1390	195.3500	4.6660	1.7332	2.96	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:48:03	3.9489	28.5100	29.4930	100.85%	0.1368	0.1440	1.9516	2.1402
2	18:48:41	3.9009	30.1020	29.0280	104.22%	0.1563	0.1536	1.9072	2.1496
3	18:49:17	3.9312	29.5160	29.6570	107.92%	0.1393	0.1560	1.9047	2.2567
4	18:49:54	3.8437	30.3540	29.7420	108.62%	0.1332	0.1595	2.0023	2.1186
5	18:50:31	4.0334	29.1890	28.6880	T 112.69%	0.1576	0.1556	1.9895	2.1749
x		3.9316	29.5340	29.3220	T 106.86%	0.1446	0.1537	1.9511	2.1680
%RSD		1.7682	2.4896	1.5313	T 4.22	7.9184	3.8034	2.3165	2.4697

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:48:03	2.0654	96.02%	0.0000
2	18:48:41	2.0232	100.19%	0.0000
3	18:49:17	2.0595	103.69%	0.0000
4	18:49:54	2.0851	105.15%	0.0000
5	18:50:31	2.0686	105.10%	0.0000
x		2.0604	102.03%	0.0000
%RSD		1.1081	3.84	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:53:29	109.27%	0.9651	0.2256	0.4385	-0.1180	-0.2727	4.5385	101.07%
2	18:54:06	108.16%	0.8513	1.5121	1.5619	1.7361	-0.2826	8.8910	102.30%
3	18:54:42	107.89%	0.8059	5.4217	4.4087	4.8339	-0.1844	22.8550	102.29%
4	18:55:19	108.00%	0.8528	8.0955	7.4964	7.2654	-0.3559	21.7520	102.03%
5	18:55:56	106.32%	1.0058	11.4930	10.6520	12.2990	-0.3695	38.7200	102.32%
x		107.93%	0.8962	5.3495	4.9115	5.2032	-0.2930	19.3510	102.00%
%RSD		0.98	9.4683	86.8110	85.8500	93.6960	25.3860	69.4280	0.52

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:53:29	0.2243	4.6438	1.8531	0.5274	0.8917	15.9770	-9.5250	0.8547
2	18:54:06	0.2250	4.7294	1.9098	-0.4929	0.9069	14.6450	-8.5780	0.8976
3	18:54:42	0.1482	4.4952	1.9122	1.2389	0.9340	13.1130	-7.6001	0.8614
4	18:55:19	0.0930	4.8256	1.8746	0.1949	0.9161	12.5710	-8.9976	0.8618
5	18:55:56	0.1272	4.6330	1.9114	0.5227	0.9522	10.7580	-13.9190	0.8406
x		0.1635	4.6654	1.8922	0.3982	0.9202	13.4130	-9.7239	0.8632
%RSD		36.1850	2.6305	1.4269	157.5600	2.5616	14.8810	25.1840	2.4400

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:53:29	0.9714	1.8539	1.7721	2.0656	0.8639	6.2948	4.5564	0.3568
2	18:54:06	0.8362	1.7686	1.8905	1.9167	0.7815	5.5414	5.0383	0.5692
3	18:54:42	0.8794	1.7437	1.7076	2.0136	1.0108	6.1498	4.9416	-0.1743
4	18:55:19	0.9558	1.8289	1.8258	1.9465	0.9306	6.0759	5.1721	0.2104
5	18:55:56	0.9173	1.8373	1.7977	2.1992	1.0224	5.9556	5.3700	-0.0569
x		0.9120	1.8065	1.7987	2.0283	0.9219	6.0035	5.0157	0.1811
%RSD		6.0749	2.6359	3.7486	5.5097	11.0030	4.7651	6.0382	166.9200

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:53:29	100.87%	0.9481	-0.5060	0.9347	0.9527	0.9156	102.18%	0.0000
2	18:54:06	102.53%	0.9374	0.4939	0.9407	0.9473	0.9341	105.22%	0.0000
3	18:54:42	104.50%	0.9544	1.0057	0.9707	0.9766	0.9256	107.16%	0.0000
4	18:55:19	105.20%	0.9399	1.4230	0.9868	0.8749	0.8990	108.16%	0.0000
5	18:55:56	105.10%	0.9949	1.6841	0.9553	0.9520	0.9024	107.84%	0.0000
x		103.64%	0.9549	0.8202	0.9576	0.9407	0.9153	106.11%	0.0000
%RSD		1.82	2.4430	105.7600	2.2370	4.0964	1.6353	2.33	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:53:29	1.6536	9.5117	9.6245	105.11%	0.8182	0.8062	0.8524	0.8266
2	18:54:06	1.7674	9.3992	9.5994	T 111.03%	0.8280	0.7961	0.8719	0.8447
3	18:54:42	1.7932	9.7860	9.4157	110.02%	0.8759	0.8028	0.9193	0.9577
4	18:55:19	1.7067	9.4447	9.3564	T 114.84%	0.8405	0.8053	0.8537	0.9054
5	18:55:56	1.8231	9.6666	9.3795	T 115.15%	0.8786	0.8241	0.9448	0.9684
x		1.7488	9.5617	9.4751	T 111.23%	0.8483	0.8069	0.8884	0.9006
%RSD		3.9076	1.6857	1.3404	T 3.69	3.2597	1.2889	4.6767	7.1277

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:53:29	0.8688	105.78%	0.0000
2	18:54:06	0.8661	108.99%	0.0000
3	18:54:42	0.8842	111.21%	0.0000
4	18:55:19	0.8872	112.70%	0.0000
5	18:55:56	0.8753	113.65%	0.0000
x		0.8763	110.47%	0.0000
%RSD		1.0566	2.86	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:58:54	99.81%	257.5300	1065.7000	1040.1000	1044.7000	248.5100	1009.4000	94.61%
2	18:59:31	98.25%	256.4700	1084.4000	1069.9000	1041.8000	246.1100	1044.0000	94.28%
3	19:00:07	97.48%	252.6000	1094.0000	1060.3000	1061.4000	243.9400	1041.8000	93.60%
4	19:00:44	96.15%	254.0300	1092.9000	1061.0000	1042.1000	242.4200	1025.0000	94.03%
5	19:01:21	95.80%	254.2500	1103.3000	1088.2000	1062.7000	244.2800	1049.3000	93.63%
x		97.50%	254.9800	1088.1000	1063.9000	1050.5000	245.0500	1033.9000	94.03%
%RSD		1.67	0.7804	1.3027	1.6360	1.0065	0.9539	1.5894	0.46

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:58:54	0.2438	245.4600	249.3500	787.6600	249.0600	1006.8000	989.0000	247.5300
2	18:59:31	0.1240	246.9600	247.6400	785.0200	251.2600	1022.4000	1016.2000	248.4000
3	19:00:07	0.1751	247.9600	250.7600	791.7200	252.3900	1016.4000	1004.9000	247.0100
4	19:00:44	0.1283	246.7400	248.5200	791.5100	251.0800	1015.1000	994.0100	246.1500
5	19:01:21	0.0743	245.0000	248.3700	795.4000	250.2200	1018.4000	1001.4000	245.8300
x		0.1491	246.4200	248.9300	790.2600	250.8000	1015.8000	1001.1000	246.9800
%RSD		42.8130	0.4853	0.4783	0.5074	0.4953	0.5649	1.0468	0.4211

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:58:54	247.7800	244.5900	247.6000	254.6100	249.9400	256.1200	256.9500	0.3156
2	18:59:31	250.5300	247.1400	247.1400	257.5400	249.9200	254.4500	253.2500	0.7178
3	19:00:07	248.0100	247.1300	248.4100	255.9100	249.1400	252.6700	256.3200	-0.1223
4	19:00:44	245.8300	245.7500	246.3200	253.8600	250.9800	253.2500	255.7400	-0.5627
5	19:01:21	246.4100	243.8400	245.5100	253.0700	250.5000	252.7200	250.9500	-0.5679
x		247.7100	245.6900	247.0000	255.0000	250.1000	253.8400	254.6400	-0.0439
%RSD		0.7349	0.6044	0.4544	0.6918	0.2773	0.5755	0.9803	1278.6000

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:58:54	94.83%	248.8700	-2.1750	248.9800	254.1500	253.5200	96.68%	0.0000
2	18:59:31	95.98%	249.1700	2.4467	248.1000	255.4700	255.3000	98.96%	0.0000
3	19:00:07	97.10%	248.7100	1.5460	249.4500	253.4900	254.8500	99.72%	0.0000
4	19:00:44	97.15%	247.3300	-0.4289	247.5200	256.6300	254.7200	99.87%	0.0000
5	19:01:21	97.41%	248.8500	-3.5068	248.1500	255.1400	255.1800	100.15%	0.0000
x		96.50%	248.5800	-0.4236	248.4400	254.9700	254.7200	99.08%	0.0000
%RSD		1.12	0.2912	586.5400	0.3084	0.4758	0.2775	1.42	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	18:58:54	248.3500	248.1100	245.4800	τ 101.89%	249.0500	245.9800	248.9500	250.7100
2	18:59:31	252.4100	251.5000	250.8000	102.44%	251.0600	249.1100	252.8000	253.3600
3	19:00:07	253.0600	252.1400	251.1100	103.47%	251.9700	248.2200	250.4500	252.5000
4	19:00:44	253.8300	250.0300	250.2900	104.09%	250.7300	248.5000	251.8000	254.0000
5	19:01:21	253.7900	246.0700	245.8200	τ 107.80%	250.4900	247.5000	252.4000	252.7000
x		252.2900	249.5700	248.7000	τ 103.94%	250.6600	247.8600	251.2800	252.6500
%RSD		0.9017	0.9999	1.1271	τ 2.24	0.4233	0.4854	0.6289	0.4892

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:58:54	248.4400	100.36%	0.0000
2	18:59:31	250.2500	104.00%	0.0000
3	19:00:07	249.7500	106.04%	0.0000
4	19:00:44	251.0100	106.44%	0.0000
5	19:01:21	251.3400	107.34%	0.5075
x		250.1600	104.84%	0.1015
%RSD		0.4580	2.66	223.6100

CCB4 06/18/2008 19:03:43

User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:04:19	99.43%	-0.0840	-0.0747	-0.2506	-0.0802	-0.2473	0.2929	93.17%
2	19:04:56	98.76%	-0.0742	1.0514	0.5154	0.5837	-0.2586	3.5113	95.66%
3	19:05:33	98.21%	-0.0412	3.0412	2.5130	3.6093	-0.2420	9.8158	95.42%
4	19:06:10	99.06%	-0.0591	2.5745	2.4889	2.4663	-0.1696	10.7190	96.13%
5	19:06:47	99.17%	-0.0668	2.8417	4.0501	3.6000	-0.2206	10.4720	97.47%
x		98.93%	-0.0651	1.8868	1.8634	2.0358	-0.2276	6.9623	95.57%
%RSD		0.47	24.8920	71.4160	92.4910	83.9860	15.4870	68.4950	1.63

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:04:19	0.2171	-0.0025	-0.0245	-1.8300	-0.0600	5.9241	-3.6488	-0.0642
2	19:04:56	0.1070	0.0071	-0.0207	-1.8854	-0.0435	3.8644	-1.1140	-0.0449
3	19:05:33	0.0796	0.0084	-0.0097	-3.3532	-0.0063	4.9358	-5.2909	-0.0332
4	19:06:10	0.1242	-0.0195	-0.0039	-1.1641	-0.0172	3.0559	-5.1937	-0.0156
5	19:06:47	0.1097	-0.0303	-0.0071	-1.2787	-0.0166	3.2857	-4.0588	-0.0354
x		0.1275	-0.0073	-0.0132	-1.9023	-0.0287	4.2132	-3.8612	-0.0387
%RSD		41.2560	231.2500	68.0050	45.8610	77.4050	28.5080	43.8190	45.9930

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:04:19	-0.0711	-0.0281	-0.0477	-0.1164	-0.0764	1.2192	-0.1065	-0.9226
2	19:04:56	-0.0589	-0.0635	-0.0604	0.0410	-0.0290	0.8246	-0.0747	-0.5833
3	19:05:33	-0.0194	-0.0333	-0.0496	0.0179	-0.0283	0.9236	-0.0751	0.0499
4	19:06:10	-0.0397	-0.0505	-0.0345	-0.0348	-0.0061	0.5978	-0.0436	-0.3464
5	19:06:47	-0.0339	-0.0325	-0.0360	0.0191	-0.0721	0.4071	-0.1713	0.5558
x		-0.0446	-0.0416	-0.0456	-0.0146	-0.0424	0.7945	-0.0942	-0.2493
%RSD		45.9460	35.8630	23.3890	433.0600	72.1030	39.1340	51.4610	229.7000

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:04:19	94.09%	-0.0117	-0.1046	0.0040	-0.0610	-0.0623	95.47%	0.0000
2	19:04:56	97.65%	-0.0006	-0.0361	-0.0036	-0.0462	-0.0476	98.58%	0.0000
3	19:05:33	98.22%	-0.0024	0.1201	-0.0004	-0.0233	-0.0298	100.48%	0.0000
4	19:06:10	99.38%	-0.0011	-0.3560	-0.0016	-0.0321	-0.0320	101.48%	0.0000
5	19:06:47	99.78%	-0.0029	0.7226	0.0040	-0.0364	-0.0199	101.90%	0.0000
x		97.82%	-0.0038	0.0692	0.0005	-0.0398	-0.0383	99.58%	0.0000
%RSD		2.31	121.6500	583.1900	691.9000	36.3170	43.5260	2.64	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:04:19	0.3073	-0.0708	-0.0675	98.35%	-0.0997	-0.0950	-0.0769	-0.0697
2	19:04:56	0.4308	-0.0573	-0.0641	102.01%	-0.0782	-0.0776	-0.0521	-0.0491
3	19:05:33	0.3089	-0.0576	-0.0376	103.35%	-0.0508	-0.0475	-0.0255	-0.0288
4	19:06:10	0.2886	-0.0245	-0.0344	105.22%	-0.0621	-0.0508	-0.0402	-0.0078
5	19:06:47	0.2169	-0.0518	-0.0391	τ109.76%	-0.0557	-0.0557	-0.0166	-0.0411
x		0.3105	-0.0524	-0.0485	τ103.74%	-0.0693	-0.0653	-0.0423	-0.0393
%RSD		24.8070	32.6350	32.7880	τ4.05	28.7040	31.1320	55.9970	58.6700

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:04:19	-0.0683	99.75%	0.0000
2	19:04:56	-0.0458	103.78%	0.0000
3	19:05:33	-0.0251	105.64%	0.0000
4	19:06:10	-0.0285	107.51%	0.0000
5	19:06:47	-0.0242	108.97%	0.0000
x		-0.0384	105.13%	0.0000
%RSD		49.1770	3.41	0.0000

Mass Uncorrected ICPS

S0 06/18/2008 15:10:31

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	15:11:09	199894.0400	23.3334	130.0010	15.0000	50.0001	2210.2931	392.5092	507673.0500
2	15:11:45	198817.9200	44.1668	190.0022	25.0000	50.0001	2440.3573	412.5102	510422.3500
3	15:12:22	199654.2300	72.5003	300.0054	55.0002	50.0001	2675.4294	482.5140	513466.0600
4	15:12:59	201077.0000	65.0003	280.0047	55.0002	65.0003	2875.4960	470.0133	520335.6400
5	15:13:36	200152.6400	47.5001	200.0024	55.0002	30.0001	2607.9080	435.0114	525900.4300
x		199919.1700	50.5002	220.0031	41.0001	49.0002	2561.8968	438.5116	515559.5100
%RSD		0.409	38.108	31.656	47.545	25.408	9.792	8.633	1.447

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	15:11:09	242.5035	137.5011	942.5533	2227.7977	122.5009	90958.7150	1447.6257	50.0001
2	15:11:45	215.0028	252.5038	1160.0807	2192.7885	337.5068	91358.0480	1417.6206	260.0041
3	15:12:22	177.5019	310.0058	1142.5783	2267.8085	455.0124	92905.0100	1455.1270	320.0061
4	15:12:59	195.0023	375.0084	1102.5729	2282.8126	425.0108	92548.5760	1487.6328	392.5092
5	15:13:36	180.0019	305.0056	1252.5941	2427.8536	352.5075	92717.9430	1495.1341	252.5038
x		202.0025	276.0050	1120.0759	2279.8122	338.5077	92097.6580	1460.6280	255.0047
%RSD		13.427	32.170	10.129	3.945	38.492	0.953	2.157	50.063

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	15:11:09	22.5000	305.0056	147.5013	210.0027	11.6667	598.3548	48.3335	41.6668
2	15:11:45	70.0003	355.0076	175.0018	227.5031	34.1667	652.5256	44.1668	45.0001
3	15:12:22	122.5009	505.0153	235.0033	225.0030	67.5003	684.1948	64.1669	45.0001
4	15:12:59	95.0005	390.0091	167.5017	235.0033	58.3335	735.0324	48.3335	36.6667
5	15:13:36	92.5005	380.0087	180.0019	240.0035	45.0001	644.1916	41.6668	45.8335
x		80.5005	387.0093	181.0020	227.5031	43.3335	662.8598	49.3335	42.8334
%RSD		46.449	19.046	18.025	5.036	50.277	7.648	17.773	8.873

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	15:11:09	939079.9600	72.5003	2.5000	41.2501	6.2500	18.7500	1119436.0000	20.0000
2	15:11:45	955160.2900	108.7507	5.0000	62.5002	38.7501	92.5005	1132856.0000	15.0000
3	15:12:22	971152.4300	106.2507	12.5000	101.2506	56.2502	151.2514	1160285.9000	30.0001
4	15:12:59	984587.8600	120.0009	22.5000	100.0006	52.5002	132.5011	1175589.7000	25.0000
5	15:13:36	994752.9700	123.7509	5.0000	128.7510	47.5001	81.2504	1183162.5000	27.5000
x		968946.7000	106.2507	9.5000	86.7505	40.2501	95.2507	1154266.0000	23.5000
%RSD		2.306	19.061	86.081	39.966	49.951	53.993	2.372	25.620

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	15:11:09	175.0018	7.5000	10.0000	1849371.7000	130.0010	273.7545	67.5003	45.0001
2	15:11:45	330.0065	20.0000	52.5002	1887895.1000	396.2594	988.8087	270.0044	202.5025
3	15:12:22	380.0087	45.0001	62.5002	1914434.0000	442.5118	1111.3241	297.5053	245.0036
4	15:12:59	427.5110	32.5001	72.5003	1963484.8000	367.5081	922.5511	272.5045	197.5023
5	15:13:36	367.5081	37.5001	60.0002	1970687.8000	263.7542	671.2770	215.0028	165.0016
x		336.0072	28.5001	51.5002	1917174.7000	320.0069	793.5431	224.5034	171.0020
%RSD		28.724	52.117	47.140	2.669	39.013	41.837	41.334	44.424

Run	Time	208Pb	209Bi	220Bkg
1	15:11:09	145.0013	1353950.7000	0.0000
2	15:11:45	460.0127	1400353.5000	0.0000
3	15:12:22	525.0165	1423389.9000	0.0000
4	15:12:59	587.5207	1438524.9000	0.0000
5	15:13:36	480.0138	1461814.1000	0.0000
x		439.5130	1415606.6000	0.0000
%RSD		39.081	2.903	0.000

S2 06/18/2008 15:15:57

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	15:16:33	200565.7300	920.8842	1265.0960	215.0028	235.0033	10123.6460	512.5158	505642.5100
2	15:17:10	200657.0600	867.5452	1510.1368	200.0024	260.0041	10481.5880	572.5197	509688.1500
3	15:17:47	205199.0000	904.2157	1435.1236	155.0014	220.0029	10929.6630	602.5218	520309.0500
4	15:18:24	203242.7600	875.8794	1500.1350	185.0021	225.0030	10776.9640	487.5143	521013.5900
5	15:19:00	204013.7600	935.0525	1390.1159	190.0022	245.0036	11042.3110	575.0198	517530.0100
x		202735.6600	900.7154	1420.1215	189.0022	237.0034	10670.8340	550.0183	514836.6600
%RSD		1.017	3.196	7.012	11.742	6.771	3.480	8.720	1.326

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	15:16:33	395.0094	4938.9632	5787.0087	2212.7937	6510.0418	94851.7570	1702.6739	6700.1925
2	15:17:10	295.0052	4906.4440	5616.8923	2332.8265	6547.5712	95311.9630	1542.6428	6422.4739
3	15:17:47	232.5032	5456.7860	6129.7536	2385.3413	6897.8536	95893.5780	1520.1386	6765.2450
4	15:18:24	282.5048	5221.6354	6107.2371	2417.8507	6865.3268	96009.9060	1555.1451	7158.0730
5	15:19:00	192.5022	5306.6891	6039.6879	2387.8421	6992.9328	96659.8550	1615.1565	6730.2167
x		279.5050	5166.1035	5936.1159	2347.3309	6762.7453	95745.4120	1587.1514	6755.2402
%RSD		27.347	4.605	3.782	3.459	3.239	0.723	4.633	3.894

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	15:16:33	1470.1297	4048.4832	1922.7218	1595.1527	896.7149	925.0513	140.8345	38.3334
2	15:17:10	1575.1489	4030.9747	1900.2166	1602.6541	952.5544	875.8794	133.3344	37.5001
3	15:17:47	1557.6456	4401.1619	1987.7370	1637.6609	951.7210	963.3890	152.5014	47.5001
4	15:18:24	1575.1489	4133.5249	1927.7229	1557.6456	1016.7287	955.8882	163.3349	54.1668
5	15:19:00	1595.1527	3965.9435	1972.7335	1605.1546	945.0536	934.2190	130.0010	43.3334
x		1554.6451	4116.0176	1942.2264	1599.6536	952.5545	930.8854	144.0013	44.1668
%RSD		3.157	4.136	1.884	1.787	4.483	3.703	9.609	15.616

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	15:16:33	921968.0900	5004.0020	75.0003	4978.9870	1140.0780	2487.8713	1085645.3000	30.0001
2	15:17:10	948997.2100	5144.0872	70.0003	5016.5095	1132.5770	2716.6928	1123314.6000	12.5000
3	15:17:47	969100.3900	5516.8255	92.5005	5372.9816	1157.5804	2721.6944	1144434.5000	42.5001
4	15:18:24	975891.0200	5439.2746	87.5005	5256.6574	1116.3248	2645.4198	1163009.3000	35.0001
5	15:19:00	982566.3300	5533.0863	80.0004	5120.3226	1146.3288	2816.7260	1164371.2000	45.0001
x		959704.6100	5327.4551	81.0004	5149.0916	1138.5778	2677.6808	1136155.0000	33.0001
%RSD		2.559	4.490	11.256	3.206	1.357	4.569	2.886	39.146

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	15:16:33	2877.9969	545.0178	1140.0780	1771508.5000	4662.5540	11308.9180	4028.4735	3148.0945
2	15:17:10	3153.0964	687.5284	1232.5912	1849482.8000	4930.2080	11963.5810	4091.0039	3290.6496
3	15:17:47	3115.5823	692.5288	1220.0893	1899568.1000	5085.3011	12316.5950	4233.5751	3460.7184
4	15:18:24	3165.6011	760.0347	1345.1086	1918797.7000	5239.1464	12407.9810	4238.5777	3440.7102
5	15:19:00	3460.7184	747.5335	1127.5763	1919170.8000	5047.7783	12118.8060	4321.1200	3593.2745
x		3154.5990	686.5286	1213.0887	1871705.6000	4992.9976	12023.1760	4182.5500	3386.6894
%RSD		6.571	12.442	7.198	3.356	4.310	3.618	2.856	5.055

Run	Time	208Pb	209Bi	220Bkg
1	15:16:33	7943.7844	1314682.5000	0.0000
2	15:17:10	8344.1754	1362756.7000	0.0000
3	15:17:47	8549.3833	1399476.6000	0.0000
4	15:18:24	8616.9528	1412110.7000	0.0000
5	15:19:00	8827.1727	1419865.1000	2.5000
x		8456.2937	1381778.3000	0.5000
%RSD		3.954	3.144	223.607

S5 06/18/2008 15:21:19

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	15:21:56	202082.5600	2263.6407	3070.5656	400.0096	615.0227	12391.7060	540.0175	505677.0100
2	15:22:33	201725.7300	2296.1496	3010.5437	480.0138	615.0227	12935.0310	515.0159	513512.5500
3	15:23:09	203312.7700	2312.8209	3175.6050	495.0147	620.0231	13140.3520	650.0254	516886.8800
4	15:23:46	203355.4600	2240.3011	3000.5401	475.0135	485.0141	12829.8690	522.5164	520839.4400
5	15:24:23	203011.3900	2282.8126	3135.5898	365.0080	630.0238	12561.9610	617.5229	522420.1800
x		202697.5800	2279.1450	3078.5688	443.0119	593.0213	12771.7840	569.0196	515867.2100
%RSD		0.369	1.238	2.487	12.884	10.234	2.330	10.702	1.293

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	15:21:56	322.5062	13137.8480	13648.6680	2675.4294	16140.6160	98825.0290	1717.6770	16456.2320
2	15:22:33	395.0094	13485.9030	14054.3410	2560.3933	17009.8420	99561.2140	1732.6801	16862.0420
3	15:23:09	307.5057	13488.4070	13736.3120	2512.8788	17353.0490	98961.6360	1765.1869	17368.0800
4	15:23:46	262.5041	13551.0090	13723.7910	2587.9018	17090.0060	100590.9700	1707.6750	17069.9650
5	15:24:23	280.0047	13666.1970	13856.5110	2592.9033	17217.7690	100353.1300	1637.6609	17363.0700
x		313.5060	13465.8730	13803.9250	2585.9013	16962.2560	99658.3960	1712.1760	17023.8780
%RSD		16.330	1.466	1.149	2.292	2.815	0.800	2.745	2.245

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	15:21:56	3738.3383	9227.6061	4593.7658	3613.2832	2340.3286	1331.7731	300.0054	42.5001
2	15:22:33	3923.4234	9945.9318	4696.3230	3908.4163	2326.1579	1230.0908	305.0056	47.5001
3	15:23:09	3958.4399	9878.3514	4968.9810	3815.8735	2366.1692	1340.1077	339.1736	40.8334
4	15:23:46	4045.9820	9773.2276	4881.4293	3933.4281	2423.6857	1311.7699	309.1724	35.0001
5	15:24:23	3850.8896	10081.0940	4856.4147	3905.9152	2463.6975	1300.1014	315.8393	47.5001
x		3903.4146	9781.2422	4799.3827	3835.3832	2384.0078	1302.7686	313.8393	42.6668
%RSD		2.970	3.364	3.154	3.440	2.437	3.347	4.877	12.229

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	15:21:56	913975.3900	13126.5800	177.5019	12673.3800	2700.4375	6506.2889	1073058.2000	17.5000
2	15:22:33	940148.4700	13407.0260	162.5016	12841.1360	2847.9866	6720.2086	1104109.0000	30.0001
3	15:23:09	951882.6500	13460.8630	195.0023	13140.3520	2810.4738	6816.5368	1129098.6000	25.0000
4	15:23:46	963489.8100	13341.9220	192.5022	13249.2740	3123.0851	7022.9581	1147427.2000	22.5000
5	15:24:23	971219.6300	13800.1670	165.0016	13410.7820	2923.0126	6962.9077	1160294.5000	32.5001
x		948143.1900	13427.3120	178.5019	13062.9850	2880.9991	6805.7800	1122797.5000	25.5000
%RSD		2.366	1.818	8.438	2.305	5.462	3.020	3.109	23.407

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	15:21:56	7390.7760	1605.1546	3145.5936	1759351.2000	11830.8920	28324.3040	10000.9980	8003.8418
2	15:22:33	7681.0383	1677.6689	3160.5992	1820021.9000	12341.6320	29563.5980	10256.3080	8179.0118
3	15:23:09	8008.8466	1797.6939	3183.1078	1849964.2000	12713.4410	30082.9510	10771.9580	8616.9528
4	15:23:46	8569.4038	1737.6812	3153.0964	1887167.0000	12593.2580	30660.0490	10574.2050	8536.8705
5	15:24:23	8061.3973	1712.6760	3138.0907	1906700.0000	12754.7540	31000.0530	10847.0550	8974.8303
x		7942.2924	1706.1749	3156.0976	1844640.9000	12446.7950	29926.1910	10490.1040	8462.3014
%RSD		5.575	4.189	0.547	3.157	3.053	3.510	3.397	4.510

Run	Time	208Pb	209Bi	220Bkg
1	15:21:56	20179.4030	1287522.8000	0.0000
2	15:22:33	21051.5570	1334470.2000	0.0000
3	15:23:09	21745.8360	1370066.2000	0.0000
4	15:23:46	21582.9130	1392203.4000	0.0000
5	15:24:23	21976.4400	1412702.0000	0.0000
x		21307.2300	1359392.9000	0.0000
%RSD		3.363	3.645	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	15:27:19	201655.7300	4538.7357	5756.9879	955.0547	1005.0606	23768.8490	710.0303	504404.5100
2	15:27:56	202634.0400	4614.6107	5892.0823	910.0497	1055.0668	24227.6680	750.0338	512819.2500
3	15:28:33	201996.3400	4498.7140	6347.4165	930.0519	930.0519	24468.3690	682.5280	517638.9700
4	15:29:10	205597.8200	4495.3788	6452.4971	965.0559	1055.0668	24608.7820	732.5322	523025.1700
5	15:29:47	203651.7400	4481.2045	6152.2702	905.0491	905.0491	23595.8590	697.5292	521409.7500
x		203107.1300	4525.7287	6120.2508	933.0523	990.0590	24133.9050	714.5307	515859.5300
%RSD		0.781	1.195	4.813	2.851	7.053	1.817	3.780	1.456

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	15:27:19	472.5134	25857.5550	26003.0060	2943.0196	32756.7540	104394.8300	1852.7059	33025.3110
2	15:27:56	337.5068	26935.9630	26870.7530	3040.5546	33878.7260	105984.7100	1795.1933	33585.0410
3	15:28:33	252.5038	26512.1070	27294.6270	2968.0285	34639.3440	106096.1100	1737.6812	34674.4890
4	15:29:10	312.5059	27595.6160	27036.2870	3220.6222	34579.0940	105678.3500	1810.1966	34169.9120
5	15:29:47	257.5040	26961.0430	27342.2830	3043.0555	34523.8660	106627.8300	1845.2043	35121.3550
x		326.5068	26772.4570	26909.3910	3043.0561	34075.5570	105756.3700	1808.1963	34115.2220
%RSD		27.339	2.395	2.014	3.569	2.343	0.789	2.549	2.451

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	15:27:19	8046.3828	18580.6910	9317.7063	6059.7024	4531.2316	1936.8917	556.6853	34.1667
2	15:27:56	8091.4264	19495.2770	9312.7007	6434.9836	4911.4469	1917.7206	539.1841	39.1668
3	15:28:33	8321.6529	19440.1490	9410.3102	6172.2850	4739.6808	2010.2424	606.6888	40.8334
4	15:29:10	8126.4604	19803.5030	9785.7423	6294.8766	4726.3399	2000.2400	569.1861	42.5001
5	15:29:47	7983.8227	20124.2700	9758.2100	6530.0575	4801.3828	1936.8917	583.3537	52.5002
x		8113.9490	19488.7780	9516.9339	6298.3810	4742.0164	1960.3973	571.0196	41.8334
%RSD		1.575	2.959	2.482	3.025	2.924	2.134	4.505	16.085

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	15:27:19	908249.7100	25537.8210	392.5092	25223.1150	5281.6732	12859.9150	1057777.1000	20.0000
2	15:27:56	939635.1200	27157.9310	367.5081	26050.6550	5711.9569	13182.9190	1110506.2000	20.0000
3	15:28:33	955794.7300	27342.2830	365.0080	26579.8220	5688.1907	13659.9360	1136575.0000	32.5001
4	15:29:10	968845.6700	27649.5440	497.5149	26961.0430	5902.0893	13976.7110	1149889.4000	30.0001
5	15:29:47	973255.3600	27891.5980	380.0087	26552.2340	6000.9099	13995.4930	1154104.3000	25.0000
x		949156.1200	27115.8350	400.5098	26273.3740	5716.9640	13534.9950	1121770.4000	25.5000
%RSD		2.776	3.415	13.814	2.551	4.832	3.699	3.531	22.356

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	15:27:19	14805.6410	3295.6516	5937.1142	1731735.8000	23237.3530	55344.4220	19417.5960	15822.5070
2	15:27:56	15329.0860	3385.6876	6254.8465	1809987.9000	24472.1300	58489.5440	20359.8410	17120.0680
3	15:28:33	15840.0400	3468.2216	6452.4971	1856085.3000	25008.7200	59597.3510	21049.0500	17242.8200
4	15:29:10	16541.4010	3660.8039	6184.7942	1894832.0000	25234.3990	61154.8240	21369.8650	17535.9310
5	15:29:47	16238.3060	3485.7289	6457.5010	1896097.2000	25345.9870	61197.6370	21948.8670	17270.3770
x		15750.8950	3459.2187	6257.3506	1837747.7000	24659.7180	59156.7560	20829.0440	16998.3410
%RSD		4.424	3.921	3.446	3.751	3.501	4.083	4.684	3.968

Run	Time	208Pb	209Bi	220Bkg
1	15:27:19	39420.5190	1267370.6000	0.0000
2	15:27:56	41895.0480	1332818.2000	0.0000
3	15:28:33	42897.6290	1369490.9000	0.0000
4	15:29:10	43674.1470	1395868.7000	0.0000
5	15:29:47	43940.5420	1403302.0000	0.0000
x		42365.5770	1353770.1000	0.0000
%RSD		4.316	4.109	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	15:32:44	199973.4100	21813.5120	28107.3210	3945.9340	4506.2180	95724.1470	1237.5919	498547.3300
2	15:33:21	204583.3100	21672.3110	28197.6260	4045.9820	4636.2894	96566.2800	1382.6147	508647.3500
3	15:33:58	202254.1400	22095.0860	29778.1090	4000.9602	4826.3972	96730.6700	1365.1118	508606.2000
4	15:34:35	200618.6500	22014.8740	29321.4940	4266.0917	4856.4147	97107.5150	1357.6106	511548.3500
5	15:35:11	206361.3500	22315.6730	29677.7520	4116.0162	4911.4469	96581.4540	1502.6355	516804.4900
x		202758.1700	21982.2910	29016.4610	4074.9968	4747.3532	96542.0130	1369.1129	508830.7500
%RSD		1.326	1.136	2.783	3.035	3.580	0.525	6.877	1.307

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	15:32:44	445.0119	127744.1700	122904.7000	6264.8540	159902.0400	141663.9700	2847.9866	163839.9300
2	15:33:21	302.5055	130712.1600	125706.0200	6467.5087	164010.7400	143767.0300	2690.4342	164941.3400
3	15:33:58	312.5059	129780.2700	125520.7600	6439.9874	165660.4000	144713.2000	2800.4705	166665.1300
4	15:34:35	260.0041	130450.6100	127495.4000	6505.0379	164653.2300	145237.2000	2875.4960	167172.6500
5	15:35:11	257.5040	130818.8200	127896.4800	6487.5243	166374.4100	146560.0600	2602.9064	168731.0900
x		315.5063	129901.2100	125904.6700	6432.9825	164120.1600	144388.2900	2763.4588	166270.0300
%RSD		24.239	0.979	1.573	1.509	1.540	1.265	4.133	1.153

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	15:32:44	36642.8850	90872.7850	44556.2980	27053.8430	22199.5300	6585.1008	2618.7447	40.8334
2	15:33:21	37825.6520	93845.4590	45202.2630	27653.3060	22525.4030	6712.7025	2558.7261	34.1667
3	15:33:58	38116.9750	91959.6100	44141.6000	28310.5080	22599.7700	6888.6794	2677.0966	35.0001
4	15:34:35	37622.2350	92546.0490	45549.1440	27856.4810	23116.1840	6908.6960	2611.2424	45.8335
5	15:35:11	37599.6330	94237.3450	45526.5210	27994.4420	23040.1400	6752.7349	2687.0998	31.6667
x		37561.4760	92692.2500	44995.1650	27773.7160	22696.2050	6769.5827	2630.5819	37.5001
%RSD		1.475	1.486	1.385	1.685	1.678	1.969	1.997	15.316

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	15:32:44	909650.8900	126027.0700	1777.6896	122959.2500	26579.8220	62878.8330	1063453.5000	32.5001
2	15:33:21	931375.5000	129574.6000	1710.1755	127146.3800	27699.7100	64875.2990	1101449.0000	17.5000
3	15:33:58	944155.8200	132503.8800	1770.1880	128119.8700	27965.5960	65767.2500	1116913.8000	25.0000
4	15:34:35	945219.3600	132929.3200	1682.6699	129819.6200	28058.4070	66607.6350	1132411.1000	32.5001
5	15:35:11	960787.9400	134553.8300	1765.1869	130961.0200	28462.2730	67507.3310	1144080.5000	15.0000
x		938237.9000	131117.7400	1741.1820	127801.2300	27753.1620	65527.2700	1111661.6000	24.5000
%RSD		2.034	2.567	2.426	2.413	2.561	2.707	2.822	33.378

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	15:32:44	72042.5680	16218.2670	28516.2070	1720793.2000	113577.5000	274390.4900	96556.1640	76759.4000
2	15:33:21	76047.9210	17267.8720	30003.9170	1800342.2000	117884.1900	284660.2400	100241.8000	80628.1760
3	15:33:58	76481.8650	17110.0470	30217.1860	1837666.2000	120336.3700	292363.9400	102577.4700	82337.2660
4	15:34:35	77720.7490	17317.9760	30643.7390	1875986.1000	122743.6000	294977.4100	104845.4300	83874.9870
5	15:35:11	78636.7820	17350.5440	31564.6670	1884509.1000	124080.6800	298902.3600	103716.4300	84137.6150
x		76185.9770	17052.9410	30189.1430	1823859.4000	119724.4700	289058.8900	101587.4600	81547.4890
%RSD		3.323	2.789	3.678	3.654	3.485	3.360	3.237	3.705

Run	Time	208Pb	209Bi	220Bkg
1	15:32:44	193152.8400	1271073.7000	0.0000
2	15:33:21	201788.9000	1325586.9000	0.0000
3	15:33:58	208859.9600	1359701.5000	0.0000
4	15:34:35	209393.0900	1375677.8000	0.0000
5	15:35:11	212813.1100	1387157.9000	0.0000
x		205201.5800	1343839.6000	0.0000
%RSD		3.819	3.484	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	15:38:09	196445.1300	86436.8000	109378.1300	16105.5480	18154.7540	367856.2600	3558.2595	490158.4800
2	15:38:45	196728.3700	86345.8640	112843.8900	15814.9930	18610.7580	366020.5200	3768.3518	492748.4800
3	15:39:22	197837.5000	86176.6260	114668.5400	16431.1830	18285.0390	368718.1300	3598.2767	497795.5800
4	15:39:59	195155.3600	86327.3400	116143.7600	16341.0060	18415.3250	368911.4100	3920.9222	499081.6900
5	15:40:36	196429.7800	85317.8570	119561.5900	16516.3510	18214.8850	371458.3900	3893.4093	501545.7200
x		196519.2300	86120.8970	114519.1800	16241.8160	18336.1520	368592.9400	3747.8439	496265.9900
%RSD		0.486	0.532	3.306	1.746	0.990	0.534	4.422	0.944

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	15:38:09	475.0135	510717.1200	495347.2100	18495.5020	654584.8200	289608.9500	6344.9146	661829.8700
2	15:38:45	307.5057	511179.2000	499159.9200	18981.5930	656007.9600	293416.2200	6732.7187	665619.5900
3	15:39:22	322.5062	519381.2700	505473.9800	19587.9940	673501.6800	298230.1600	6277.3634	670043.9300
4	15:39:59	287.5050	525252.6800	507191.2500	19595.5120	671112.4900	298256.0700	6262.3521	668277.7100
5	15:40:36	285.0049	526923.3600	514119.5700	19728.3250	681989.5500	301455.6600	6357.4241	678005.8500
x		335.5071	518690.7200	504258.3900	19277.7850	667439.3000	296193.4100	6394.9546	668755.3900
%RSD		23.690	1.466	1.446	2.720	1.769	1.576	3.022	0.901

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	15:38:09	147699.9200	364302.6500	175605.9600	106987.4000	88248.9780	23994.4940	9936.7541	49.1668
2	15:38:45	149023.1700	368940.1400	177385.5600	109970.8600	89681.6520	24587.0510	10136.1610	40.0001
3	15:39:22	150341.5300	371894.7200	179037.8300	110208.9700	91136.4740	25061.7960	10287.1790	45.0001
4	15:39:59	149814.6700	371160.5500	179139.9900	110740.9600	91271.2710	24910.5100	10190.3940	48.3335
5	15:40:36	152439.1200	376152.0500	180690.4300	113586.3700	92289.8980	25335.9560	10265.4860	44.1668
x		149863.6800	370490.0200	178371.9500	110298.9100	90525.6550	24777.9610	10163.1950	45.3335
%RSD		1.168	1.170	1.087	2.130	1.741	2.077	1.379	8.076

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	15:38:09	892857.0000	515794.7200	7133.0515	502941.1700	108506.8500	256685.7900	1057649.8000	45.0001
2	15:38:45	919181.5100	529255.6700	7285.6835	518752.6200	111789.8200	265912.1800	1095316.7000	40.0001
3	15:39:22	938622.4700	546807.5200	7666.0245	529535.1100	113315.2200	271203.6800	1124134.9000	27.5000
4	15:39:59	942165.8700	545959.5500	7633.4946	533241.8800	115337.6800	274340.1200	1131495.9000	45.0001
5	15:40:36	964969.7600	554517.8400	7751.1031	540359.1100	117969.1300	278988.1800	1157234.6000	30.0001
x		931559.3200	538467.0600	7493.8714	524965.9800	113383.7400	269425.9900	1113166.4000	37.5001
%RSD		2.905	2.910	3.586	2.777	3.155	3.179	3.420	22.111

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	15:38:09	297243.3300	65798.7470	116308.5400	1738827.8000	471898.3900	1156930.1000	401822.1000	320873.4000
2	15:38:45	309603.8900	68462.5770	119313.0700	1824698.3000	494483.0900	1211569.2000	420611.0300	335414.5100
3	15:39:22	317040.8100	69959.9360	123333.4600	1876676.2000	506335.2300	1244917.3000	433425.7800	342946.9800
4	15:39:59	323416.4300	72125.7830	125683.1800	1905684.8000	516225.1900	1265534.1000	440731.9200	348940.7600
5	15:40:36	331650.7700	71455.0420	127553.7800	1940777.9000	524882.9400	1289254.9000	446001.4800	354787.5300
x		315791.0400	69560.4170	122438.4100	1857333.0000	502764.9700	1233641.1000	428518.4600	340592.6400
%RSD		4.170	3.643	3.761	4.238	4.106	4.175	4.132	3.863

Run	Time	208Pb	209Bi	220Bkg
1	15:38:09	811978.3200	1288107.4000	0.0000
2	15:38:45	855374.3500	1347990.4000	0.0000
3	15:39:22	879571.8800	1391617.9000	0.0000
4	15:39:59	896220.9800	1412582.8000	0.0000
5	15:40:36	913238.2600	1439460.2000	2.5000
x		871276.7600	1375951.7000	0.5000
%RSD		4.526	4.318	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	15:43:34	192864.6100	211489.2000	271532.8900	38036.6090	43417.8130	905956.5900	8579.4141	480241.6000
2	15:44:12	192882.5200	212448.9900	280140.9000	38719.7450	45433.5160	902174.9500	8737.0778	484553.2600
3	15:44:49	192573.8300	213049.8700	283232.8200	39629.0040	45569.2540	902541.6500	8809.6541	486351.0900
4	15:45:25	191573.6700	211484.9300	288183.2800	40262.0270	45654.7200	905923.2400	9072.4359	487325.6200
5	15:46:03	192289.8900	211626.7900	284877.4800	40427.8270	46313.3390	907021.0800	8972.3276	491227.5100
x		192436.9000	212019.9600	281593.4700	39415.0430	45277.7280	904723.5000	8834.1819	485939.8200
%RSD		0.281	0.331	2.248	2.591	2.415	0.244	2.198	0.826

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	15:43:34	432.5112	1295713.6000	1251224.2000	42573.4730	1664341.9000	593403.8100	13485.9030	1673419.1000
2	15:44:12	310.0058	1307574.8000	1261001.7000	43862.6330	1687661.2000	602629.3500	13508.4400	1680181.4000
3	15:44:49	322.5062	1306403.1000	1263654.6000	44289.8840	1698209.3000	604180.8800	13931.6360	1687652.1000
4	15:45:25	300.0054	1303072.0000	1265278.0000	44692.0220	1705794.9000	608966.0500	13991.7360	1716117.5000
5	15:46:03	302.5055	1308927.0000	1273894.7000	45659.7470	1707547.9000	611571.8900	13979.2150	1709018.7000
x		333.5068	1304338.1000	1263010.7000	44215.5520	1692711.0000	604150.4000	13779.3860	1693277.7000
%RSD		16.801	0.405	0.647	2.564	1.045	1.159	1.878	1.092

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	15:43:34	365443.5100	918007.0100	435168.1600	266027.0100	220056.8000	59326.2610	24175.8510	51.6668
2	15:44:12	372647.2400	925504.7900	442610.1500	271122.3400	222307.0300	59750.1060	24810.2110	46.6668
3	15:44:49	372412.0700	937788.4400	444631.0800	274564.8400	223679.7000	60395.5670	25093.5580	53.3335
4	15:45:25	377652.6900	935562.9000	442178.0900	275701.4600	225573.0600	60661.6560	25178.8140	65.0003
5	15:46:03	373465.1600	934943.8700	446048.9200	272281.7400	225993.3800	60704.4660	25041.7360	58.3335
x		372324.1300	930361.4000	442127.2800	271939.4800	223521.9900	60167.6110	24860.0340	55.0002
%RSD		1.180	0.898	0.948	1.386	1.092	1.006	1.634	12.677

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	15:43:34	880935.2400	1313962.3000	18072.0750	1270384.5000	267429.6000	638437.6500	1048957.1000	35.0001
2	15:44:12	908241.3700	1347546.5000	17919.2450	1304967.1000	273996.5900	661533.9500	1076440.6000	32.5001
3	15:44:49	913421.8400	1360602.3000	18640.8260	1321114.4000	280028.4600	672723.7000	1097105.7000	40.0001
4	15:45:25	916835.4500	1366260.7000	18598.2310	1330494.6000	284677.0500	680514.7500	1105044.1000	52.5002
5	15:46:03	930277.4100	1377932.5000	19041.7300	1334589.7000	284824.4600	683738.2500	1113968.3000	40.0001
x		909942.2600	1353260.8000	18454.4210	1312310.0000	278191.2300	667389.6600	1088303.2000	40.0001
%RSD		1.994	1.813	2.473	1.986	2.683	2.743	2.390	19.264

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	15:43:34	746996.5200	163949.5600	291785.4300	1724835.0000	1199502.4000	3021012.3000	1013832.5000	809303.4400
2	15:44:12	775023.2300	169817.8300	301535.9900	1788119.3000	1246486.8000	3167377.3000	1060460.7000	844452.7200
3	15:44:49	793035.3800	172364.3200	304754.9700	1824076.7000	1274023.6000	3224819.7000	1078520.5000	857999.7800
4	15:45:25	808476.1200	174260.6500	308716.8700	1835789.7000	1294751.0000	3268000.1000	1089259.5000	866945.9700
5	15:46:03	805373.7000	175657.0100	309507.9200	1851248.0000	1302255.4000	T3184163.2000	1101963.3000	878350.0300
x		785780.9900	171209.8800	303260.2400	1804813.7000	1263403.8000	T3173074.5000	1068807.3000	851410.3900
%RSD		3.227	2.694	2.365	2.793	3.305	T2.947	3.208	3.125

Run	Time	208Pb	209Bi	220Bkg
1	15:43:34	2105207.5000	1275763.3000	0.0000
2	15:44:12	2190240.1000	1323830.3000	0.0000
3	15:44:49	2243427.4000	1352623.9000	0.0000
4	15:45:25	2269618.9000	1372053.0000	2.5000
5	15:46:03	2300457.0000	1380022.2000	0.0000
x		2221790.2000	1340858.5000	0.5000
%RSD		3.452	3.158	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	15:49:01	182045.2800	410095.8900	519822.5500	72024.9160	83768.9280	T 1692806.3000	15830.0210	444189.7000
2	15:49:37	185745.6000	394292.4100	505553.6000	70643.1640	81582.3960	T 1625393.2000	15779.9260	464850.8800
3	15:50:14	182448.9600	405417.6100	528099.4100	72266.9980	84309.3370	T 1680575.7000	16255.8400	457836.8700
4	15:50:51	184658.5100	406117.1400	530861.9100	75142.2610	85774.1720	T 1664207.9000	16113.0630	454948.7200
5	15:51:28	182964.2400	404103.5400	535196.4100	74501.5470	84763.9140	1715098.7000	16907.1340	457188.9700
x		183572.5200	404005.3200	523906.7800	72915.7770	84039.7500	T 1675616.3000	16177.1970	455803.0300
%RSD		0.856	1.453	2.232	2.552	1.855	T 2.009	2.801	1.640

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	15:49:01	475.0135	T 2432346.0000	T 2349137.8000	80923.5180	T 3135163.1000	1046090.6000	24453.3250	T 3158631.5000
2	15:49:37	370.0082	T 2338554.8000	T 2263957.6000	78048.7930	T 3017390.0000	1013478.1000	23224.8180	T 3053977.3000
3	15:50:14	312.5059	T 2436709.3000	T 2369066.4000	81360.2400	T 3153238.8000	1060455.0000	24696.5410	T 3170763.8000
4	15:50:51	307.5057	T 2438116.0000	T 2346864.9000	82334.7410	T 3155150.4000	1062180.4000	24548.6050	T 3151907.8000
5	15:51:28	270.0044	T 2424544.2000	T 2355388.3000	81511.7090	T 3144524.3000	1059668.8000	24546.0970	T 3169773.7000
x		347.0075	T 2414054.1000	T 2336883.0000	80835.8000	T 3121093.3000	1048374.6000	24293.8770	T 3141010.8000
%RSD		23.052	T 1.762	T 1.783	2.028	T 1.875	1.959	2.486	T 1.569

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	15:49:01	701984.4300	T 1741857.1000	838410.9400	505683.6400	417826.9200	M 110747.7100	M 46005.8090	55.0002
2	15:49:37	680104.4500	1719518.3000	809262.2100	492718.0000	407902.9300	108437.6300	45125.1800	67.5003
3	15:50:14	705449.5000	1774789.1000	843522.7300	511710.3500	422505.8700	111669.9000	46560.5440	59.1669
4	15:50:51	707410.7500	T 1746586.9000	835342.0000	514733.2700	421098.0600	112481.5400	M 47111.1250	41.6668
5	15:51:28	705267.5200	1773880.1000	842471.4400	513495.2800	423338.2200	111846.4100	46945.1930	56.6669
x		700043.3300	T 1751326.3000	833801.8600	507668.1100	418534.4000	M 111036.6400	M 46349.5700	56.0002
%RSD		1.616	T 1.334	1.691	1.783	1.506	M 1.423	M 1.738	16.684

Run	Time	89Y	197Au	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	15:49:01	821378.5100	TM 2473604.0000	33434.4370	M 2499009.1000	515905.0000	1247499.1000	976389.6700	35.0001
2	15:49:37	870953.2800	2558158.6000	33045.3900	2499333.1000	507902.6800	1225920.9000	1050056.0000	55.0002
3	15:50:14	853246.9500	M 2641061.1000	34393.3280	M 2573240.4000	528298.9800	1287915.9000	1030796.7000	22.5000
4	15:50:51	865900.1600	M 2646372.0000	33891.2770	M 2575209.6000	532584.2600	1294555.1000	1034563.4000	57.5002
5	15:51:28	864348.2800	M 2662745.9000	34393.3280	M 2598969.5000	537967.8500	1297355.9000	1043191.2000	57.5002
x		855165.4400	TM 2596388.3000	33831.5520	M 2549152.3000	524531.7500	1270649.4000	1026999.4000	45.5001
%RSD		2.334	TM 3.071	1.755	M 1.833	2.355	2.526	2.850	35.053

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	15:49:01	M 1455745.3000	313207.3600	558533.1300	1621037.7000	2373687.1000	T 5606477.3000	T 1990200.6000	1596491.3000
2	15:49:37	1453522.8000	311230.3200	555286.5800	1754249.7000	2426290.0000	T 5726867.3000	T 1992986.8000	1598911.1000
3	15:50:14	M 1523591.5000	323426.8200	577540.4000	1730934.6000	2509261.3000	T 5932760.7000	T 2088551.6000	1680132.9000
4	15:50:51	M 1532261.5000	327241.4900	581898.4600	1741090.3000	2539170.6000	T 5990422.4000	T 2111845.8000	1695526.3000
5	15:51:28	M 1545547.7000	327888.7000	582369.7300	1765752.0000	2572136.1000	T 6042448.3000	T 2128449.3000	1717735.6000
x		M 1502133.7000	320598.9400	571125.6600	1722612.9000	2484109.0000	T 5859795.2000	T 2062406.8000	1657759.5000
%RSD		M 2.934	2.454	2.305	3.384	3.304	T 3.165	T 3.209	3.404

Run	Time	208Pb	209Bi	220Bkg
1	15:49:01	T 4036744.2000	1204183.5000	5.0000
2	15:49:37	T 4041726.3000	1306749.1000	0.0000
3	15:50:14	T 4231374.7000	1295957.5000	7.5000
4	15:50:51	T 4265805.3000	1310218.3000	2.5000
5	15:51:28	T 4313077.4000	1331398.3000	2.5000
x		T 4177745.6000	1289701.3000	3.5000
%RSD		T 3.105	3.838	81.441

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	15:54:26	183574.9600	606243.7500	740435.4600	103443.0700	118040.1300	T 2398611.7000	22608.1260	438235.2900
2	15:55:03	182112.5600	601588.9000	763936.2600	105508.7200	119911.5600	T 2397695.0000	22911.4530	436285.6200
3	15:55:39	181038.7000	600061.0900	767934.9200	105736.5800	121397.8500	T 2410987.0000	22583.0580	438452.5300
4	15:56:17	179144.2500	590010.9900	768947.1900	107524.2400	121052.8900	T 2371967.3000	22868.8360	436978.0300
5	15:56:53	180064.6000	595515.0600	775707.7400	106567.0600	121200.0000	T 2393907.6000	22700.8780	435499.8300
x		181187.0100	598683.9600	763392.3100	105755.9400	120320.4900	T 2394633.7000	22734.4700	437090.2600
%RSD		0.956	1.032	1.770	1.434	1.163	T 0.593	0.658	0.288

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	15:54:26	337.5068	T 3472411.4000	T 3361166.3000	113667.4700	T 4453002.2000	1469956.0000	33996.7050	T 4533899.6000
2	15:55:03	367.5081	T 3502016.6000	T 3377414.9000	114805.4100	T 4513624.6000	1491848.2000	34436.0040	T 4525402.5000
3	15:55:39	315.0060	T 3500987.7000	T 3396382.9000	116909.3600	T 4562187.2000	1500306.8000	34420.9420	T 4547716.5000
4	15:56:17	372.5083	T 3487038.2000	T 3370745.0000	116070.2500	T 4529943.3000	1502243.7000	34430.9830	T 4556450.0000
5	15:56:53	267.5043	T 3498773.5000	T 3398493.5000	115170.3900	T 4560711.4000	1503500.5000	34177.4420	T 4555637.3000
x		332.0067	T 3492245.5000	T 3380840.5000	115324.5700	T 4523893.7000	1493571.0000	34292.4150	T 4543821.2000
%RSD		12.938	T 0.361	T 0.480	1.071	T 0.988	0.935	0.578	T 0.302

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	15:54:26	1021972.6000	T 2495032.0000	1215731.2000	725800.7100	601333.0500	M 157589.4400	M 65856.7020	63.3336
2	15:55:03	1022065.6000	T 2510142.8000	1224291.7000	736054.1700	604829.6700	M 158729.1000	M 66369.9160	59.1669
3	15:55:39	1030638.9000	T 2502433.8000	1226838.7000	741477.2600	609555.2100	M 160639.3500	M 66754.6380	60.0002
4	15:56:17	1020243.8000	T 2494678.8000	1212442.3000	743708.5500	609504.1700	M 159193.6700	M 67197.3410	47.5001
5	15:56:53	1019235.9000	T 2489549.7000	1223807.7000	743779.4800	610927.9700	M 160480.5000	M 66543.7950	60.0002
x		1022831.4000	T 2498367.4000	1220622.3000	738164.0300	607230.0100	M 159326.4100	M 66544.4780	58.0002
%RSD		0.442	T 0.321	0.507	1.029	0.663	M 0.797	M 0.742	10.490

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	15:54:26	795161.9100	TM 3573829.4000	47067.5470	TM 3495562.4000	738285.4300	1809209.0000	960586.5900	50.0001
2	15:55:03	820266.5700	TM 3660944.6000	49094.1900	TM 3565131.1000	758600.2800	1856841.9000	980497.6200	57.5002
3	15:55:39	827086.2700	TM 3711216.6000	49252.6200	TM 3617739.2000	766504.2700	1889582.4000	996521.7600	37.5001
4	15:56:17	823597.2900	TM 3697553.9000	49909.0080	TM 3612082.9000	776625.0600	1904014.8000	1005728.0000	42.5001
5	15:56:53	829601.2900	TM 3726759.4000	49868.7690	TM 3624200.0000	777016.6600	1900773.4000	1012108.1000	52.5002
x		819142.6700	TM 3674060.8000	49038.4270	TM 3582943.1000	763406.3400	1872084.3000	991088.4200	48.0001
%RSD		1.692	TM 1.663	2.365	TM 1.510	2.096	2.126	2.097	16.634

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	15:54:26	M 2139155.7000	452513.8700	804708.8400	1601752.1000	T 3362864.1000	T 8212343.9000	T 2873521.2000	T 2324784.9000
2	15:55:03	M 2207155.8000	465381.8200	825513.7200	1649290.6000	T 3506696.6000	T 8533831.0000	T 2983509.8000	T 2401649.1000
3	15:55:39	M 2257650.2000	476840.6600	847447.5600	1689383.5000	T 3574617.7000	T 8732891.9000	T 3069408.2000	T 2469607.0000
4	15:56:17	M 2268718.6000	473693.5700	848919.1400	1711647.8000	T 3610246.5000	T 8835303.0000	T 3073445.3000	T 2494955.6000
5	15:56:53	M 2293760.4000	477462.2800	851813.3200	1709930.4000	T 3654889.0000	T 8917264.7000	T 3104908.6000	2581386.2000
x		M 2233288.1000	469178.4400	835680.5200	1672400.9000	T 3541862.8000	T 8646326.9000	T 3020958.6000	T 2454476.6000
%RSD		M 2.747	2.235	2.420	2.799	T 3.213	T 3.259	T 3.109	T 3.949

Run	Time	208Pb	209Bi	220Bkg
1	15:54:26	T 5849015.3000	1192916.1000	5.0000
2	15:55:03	T 6071897.1000	1242809.8000	0.0000
3	15:55:39	T 6256389.6000	1277173.0000	5.0000
4	15:56:17	T 6285625.7000	1284127.6000	5.0000
5	15:56:53	T 6376018.1000	1293538.9000	0.0000
x		T 6167789.1000	1258113.1000	3.0000
%RSD		T 3.400	3.272	91.287

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	15:59:52	177357.4700	782384.9400	966091.7800	132698.1800	152935.6000	T 3079762.8000	29000.3740	422143.1600
2	16:00:28	177903.0800	779840.5500	991233.2800	135995.7100	156638.4300	T 3091957.2000	29253.7570	427352.6200
3	16:01:05	176495.2800	777659.3300	1013604.7000	139299.6100	158559.2500	T 3079147.7000	29835.8150	428267.8600
4	16:01:42	176994.8800	777746.9700	1021575.6000	138191.3900	161316.4100	T 3089942.9000	29514.6750	431261.4700
5	16:02:19	177290.2300	766056.6200	1033573.7000	139914.7900	162167.7000	T 3092934.2000	29672.7340	431440.3800
x		177208.1900	776737.6800	1005215.8000	137219.9400	158323.4800	T 3086749.0000	29455.4710	428093.1000
%RSD		0.291	0.808	2.664	2.139	2.356	T 0.219	1.130	0.884

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	15:59:52	377.5086	T 4492301.4000	T 4344810.4000	146193.7100	T 5737613.4000	1877490.2000	42726.7540	T 5848535.5000
2	16:00:28	302.5055	T 4561970.8000	T 4432155.2000	149751.0400	T 5910499.1000	1926862.3000	45094.1800	T 5957608.2000
3	16:01:05	340.0069	T 4538890.9000	T 4383761.1000	153060.3600	T 5954802.8000	1945733.8000	45094.1800	T 5947707.3000
4	16:01:42	255.0039	T 4601097.1000	T 4443316.9000	151604.1000	T 5985950.4000	1971453.7000	45069.0440	T 5935235.1000
5	16:02:19	245.0036	T 4604366.3000	T 4452327.4000	151171.3400	T 5970601.5000	1972125.9000	45109.2610	T 5998512.4000
x		304.0057	T 4559725.3000	T 4411274.2000	150356.1100	T 5911893.4000	1938733.2000	44618.6840	T 5937519.7000
%RSD		18.450	T 1.022	T 1.034	1.735	T 1.716	2.019	2.371	T 0.928

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	15:59:52	1321673.5000	T 3181083.6000	1575361.5000	937972.5400	771277.6600	M 201722.3200	M 84234.4190	70.8336
2	16:00:28	1335712.6000	T 3229733.0000	1608055.9000	953620.5100	787806.7900	M 205837.8100	M 84877.5620	70.0003
3	16:01:05	1339064.6000	T 3248974.7000	1600628.8000	962155.5600	792670.4900	M 206281.9200	M 85629.3610	67.5003
4	16:01:42	1341192.0000	T 3239407.6000	1603260.1000	966852.9300	794718.2700	M 207793.7900	M 86606.8850	71.6670
5	16:02:19	1345603.0000	T 3277292.1000	1601586.9000	972132.4300	802014.2200	M 208718.9900	M 87162.6350	70.8336
x		1336649.2000	T 3235298.2000	1597778.6000	958546.7900	789697.4800	M 206070.9600	M 85702.1720	70.1670
%RSD		0.681	T 1.086	0.804	1.394	1.456	M 1.306	M 1.404	2.284

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	15:59:52	777337.0800	TM 4585928.5000	61425.5550	TM 4481314.3000	960920.7800	2377389.5000	930843.1600	285.0049
2	16:00:28	796520.4100	TM 4720549.7000	63780.6480	TM 4606650.2000	991887.1500	2472286.7000	961257.7700	322.5062
3	16:01:05	809888.9300	TM 4770646.1000	64680.0400	TM 4679947.9000	1013170.0000	T 2443944.2000	979427.0200	390.0091
4	16:01:42	815704.7200	TM 4827945.8000	64380.2320	TM 4693615.3000	1025186.3000	2531176.6000	985689.9400	367.5081
5	16:02:19	822399.7400	TM 4868950.5000	66378.3160	TM 4736192.8000	1036172.4000	2572407.6000	998010.0700	360.0078
x		804370.1800	TM 4754804.1000	64128.9580	TM 4639544.1000	1005467.3000	T 2479440.9000	971045.5900	345.0072
%RSD		2.221	TM 2.312	2.796	TM 2.156	2.967	T 3.061	2.687	12.006

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	15:59:52	TM 2794229.1000	593146.4200	1060200.5000	1568308.1000	T 4441128.8000	T 10784057.0000	T 3745052.5000	T 3033195.3000
2	16:00:28	TM 2924028.9000	613745.8200	1100216.0000	1635750.1000	T 4613670.9000	T 11298140.0000	T 3944616.5000	T 3181690.3000
3	16:01:05	TM 2987450.7000	625979.9700	1115968.9000	1674935.9000	T 4746868.7000	T 11600432.0000	T 4032088.1000	T 3246983.9000
4	16:01:42	TM 3011490.8000	635138.0000	1129842.5000	1702244.2000	T 4815263.8000	T 11787439.0000	T 4107353.4000	T 3318500.5000
5	16:02:19	TM 3059231.3000	639199.0700	1143458.1000	1717620.0000	T 4882360.3000	T 12032021.0000	T 4166318.6000	T 3344572.3000
x		TM 2955286.1000	621441.8600	1109937.2000	1659771.7000	T 4699858.5000	T 11500418.0000	T 3999085.8000	T 3224988.5000
%RSD		TM 3.464	2.993	2.893	3.605	T 3.734	T 4.191	T 4.114	T 3.866

Run	Time	208Pb	209Bi	220Bkg
1	15:59:52	T 7723562.8000	1179404.0000	0.0000
2	16:00:28	T 8070939.3000	1233959.0000	5.0000
3	16:01:05	T 8273661.0000	1263194.6000	0.0000
4	16:01:42	T 8440310.6000	1286379.8000	2.5000
5	16:02:19	T 8525006.4000	1300652.9000	0.0000
x		T 8206696.0000	1252718.1000	1.5000
%RSD		T 3.912	3.842	149.071

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	16:05:17	181401.4600	40872.4880	632048.3400	88002.2230	99839.5140	853556.3600	31183.2350	439100.3300
2	16:05:54	179123.8200	40926.0840	637889.1900	87118.0050	101762.5700	849278.1000	31434.1750	437924.5700
3	16:06:31	182202.8300	41202.4410	648330.6400	91211.4550	101686.6500	859810.4100	31451.7410	446553.6500
4	16:07:08	181765.0900	41153.0310	655840.5200	90473.4750	102673.6400	855683.8400	31642.4610	442824.8700
5	16:07:45	182474.5100	40550.9230	659152.1100	90326.8980	102698.9500	853479.0000	31998.8180	444641.6200
x		181393.5400	40940.9930	646652.1600	89426.4110	101732.2600	854361.5400	31542.0860	442209.0100
%RSD		0.735	0.635	1.786	1.973	1.143	0.448	0.961	0.825

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	16:05:17	357.5077	232853.4200	223808.0800	58121.9860	297204.4800	1025797.6000	23746.2850	303127.1900
2	16:05:54	317.5061	235156.7600	228084.2100	58476.9560	304928.6500	1039265.6000	24684.0040	305185.3000
3	16:06:31	290.0051	239325.4500	229373.8900	59272.5470	303985.1000	1053910.0000	24656.4220	309705.0400
4	16:07:08	335.0067	237453.0100	229435.5500	58990.5570	306349.3600	1053245.9000	24651.4080	305195.6700
5	16:07:45	277.5046	239122.2400	228998.7800	60420.7490	308473.0900	1066144.5000	25035.0490	308825.8000
x		315.5060	236782.1800	227940.1000	59056.5590	304188.1400	1047672.7000	24554.6340	306407.8000
%RSD		10.323	1.166	1.041	1.496	1.399	1.479	1.954	0.900

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	16:05:17	67449.3650	167736.3100	81466.2680	100477.1100	79779.2310	22503.6770	9413.6473	35.0001
2	16:05:54	68891.0870	169070.3600	82415.5340	103746.8100	82250.5830	23280.8080	9528.7781	40.8334
3	16:06:31	69115.4330	172668.0100	83751.2520	103394.9800	81729.6620	23141.2530	9364.4253	41.6668
4	16:07:08	68860.8380	171157.3200	83011.4050	103278.5500	82773.2200	23245.7100	9517.9324	38.3334
5	16:07:45	68848.2350	169802.5300	81680.8530	103878.4300	82633.5100	23229.8320	9554.6410	38.3334
x		68632.9910	170086.9100	82465.0620	102955.1700	81833.2410	23080.2560	9475.8848	38.8334
%RSD		0.977	1.117	1.145	1.367	1.488	1.414	0.868	6.718

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	16:05:17	803071.6400	238202.7100	3225.6242	232029.6600	50147.9360	120434.0200	977246.9700	17.5000
2	16:05:54	821865.7100	242614.7900	3200.6145	236187.8100	52064.6370	123832.0300	989271.9500	15.0000
3	16:06:31	833770.7100	246610.8100	3403.1948	241031.0700	52372.8090	125013.2200	1008989.2000	25.0000
4	16:07:08	842631.4700	249127.7900	3428.2050	242547.8900	52914.9680	125534.7200	1014299.6000	30.0001
5	16:07:45	851445.9700	253084.3700	3548.2552	246637.8400	52755.2100	126519.4400	1023118.8000	22.5000
x		830557.1000	245928.0900	3361.1787	239686.8500	52051.1120	124266.6900	1002585.3000	22.0000
%RSD		2.271	2.341	4.347	2.371	2.141	1.892	1.879	27.130

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	16:05:17	285480.0800	31486.8730	54973.2270	1641872.2000	484013.2000	1184345.5000	391691.4600	327745.7400
2	16:05:54	294381.9000	31895.9240	57399.5040	1694039.5000	500186.3000	1226801.2000	402050.2100	337933.2600
3	16:06:31	300201.5900	32232.2150	57271.1250	1706852.1000	508334.0800	1245314.4000	410794.0500	343165.7100
4	16:07:08	298844.0800	32583.5770	58466.8860	1737401.0000	512460.6700	1264480.8000	413697.5200	347254.9900
5	16:07:45	305613.0500	32847.1090	58210.0970	1749239.4000	519050.3300	1270659.6000	417219.2400	348612.4400
x		296904.1400	32209.1400	57264.1680	1705880.9000	504808.9200	1238320.3000	407090.5000	340942.4300
%RSD		2.539	1.677	2.408	2.472	2.672	2.805	2.525	2.484

Run	Time	208Pb	209Bi	220Bkg
1	16:05:17	821700.5500	1241398.3000	0.0000
2	16:05:54	847047.2700	1272621.6000	0.0000
3	16:06:31	863792.3300	1292881.4000	0.0000
4	16:07:08	863153.4400	1312167.2000	0.0000
5	16:07:45	878496.8700	1324975.1000	0.0000
x		854838.0900	1288808.7000	0.0000
%RSD		2.528	2.568	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	16:10:45	185582.0200	171.6684	245.0036	30.0001	55.0002	2387.8421	457.5126	446428.4600
2	16:11:21	186237.2300	297.5053	655.0257	115.0008	155.0014	3060.5619	382.5088	453306.5000
3	16:11:58	189935.9800	297.5053	650.0254	85.0004	90.0005	3185.6088	475.0135	466883.6800
4	16:12:35	190594.0900	181.6687	545.0178	30.0001	85.0004	2755.4555	460.0127	469633.1500
5	16:13:11	191774.0400	160.0015	300.0054	65.0003	75.0003	2477.8683	440.0116	468899.7800
x		188824.6700	221.6699	479.0156	65.0003	92.0006	2773.4673	443.0118	461030.3100
%RSD		1.457	31.421	40.613	56.265	40.960	12.603	8.133	2.283

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	16:10:45	392.5092	735.0324	1487.6328	1870.2098	995.0594	79737.1650	1540.1423	970.0565
2	16:11:21	337.5068	1660.1654	2127.7716	2045.2510	1980.2353	80809.9240	1530.1405	2002.7406
3	16:11:58	340.0069	1725.1786	2372.8378	1895.2155	2237.8004	80130.9140	1565.1470	1965.2317
4	16:12:35	310.0058	1030.0637	1730.1796	2050.2522	1400.1176	81701.0500	1522.6391	1162.5811
5	16:13:11	222.5030	747.5335	1482.6319	2000.2400	952.5544	80898.2750	1402.6180	830.0413
x		320.5064	1179.5947	1840.2107	1972.2337	1513.1534	80655.4660	1512.1374	1386.1302
%RSD		19.465	40.993	21.578	4.283	38.233	0.939	4.186	40.295

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	16:10:45	200.0024	1152.5797	537.5173	337.5068	166.6683	712.5305	51.6668	37.5001
2	16:11:21	407.5100	1625.1585	765.0351	495.0147	350.0074	688.3618	83.3337	27.5000
3	16:11:58	502.5152	1827.7004	775.0360	567.5193	330.0065	730.0320	76.6670	35.8334
4	16:12:35	277.5046	1137.5776	522.5164	412.5102	197.5023	698.3626	65.8336	30.8334
5	16:13:11	222.5030	947.5539	475.0135	352.5075	146.6680	650.8588	45.0001	35.0001
x		322.0070	1338.1140	615.0237	433.0117	238.1705	696.0291	64.5003	33.3334
%RSD		40.090	27.693	23.319	22.497	39.877	4.270	25.113	12.247

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	16:10:45	813881.2000	445.0119	15.0000	435.0114	148.7513	368.7582	968686.1200	10.0000
2	16:11:21	839141.8000	672.5271	37.5001	596.2713	362.5079	840.0423	1008300.3000	15.0000
3	16:11:58	868299.0600	902.5489	22.5000	882.5467	386.2590	818.7902	1036873.3000	30.0001
4	16:12:35	872370.6700	1150.0794	30.0001	1008.8111	228.7531	455.0124	1048177.6000	20.0000
5	16:13:11	880558.3600	1372.6130	10.0000	1281.3485	152.5014	345.0071	1057533.9000	17.5000
x		854850.2200	908.5561	23.0000	840.7978	255.7545	565.5221	1023914.3000	18.5000
%RSD		3.243	40.601	48.244	39.826	44.266	43.229	3.515	40.088

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	16:10:45	1797.6939	132.5011	190.0022	1608596.9000	1085.0706	2671.6782	800.0384	597.5214
2	16:11:21	2275.3106	227.5031	347.5073	1692689.5000	2281.5623	5177.8581	1525.1396	1145.0787
3	16:11:58	2392.8435	242.5035	405.0098	1737495.5000	1816.4479	4562.4986	1492.6337	1242.5926
4	16:12:35	2095.2634	140.0012	202.5025	1778340.3000	1070.0687	2469.1157	952.5544	795.0379
5	16:13:11	1922.7218	95.0005	147.5013	1770593.7000	851.2935	1866.4590	697.5292	525.0165
x		2096.7666	167.5019	258.5046	1717543.2000	1420.8886	3349.5219	1093.5790	861.0494
%RSD		11.665	38.301	43.049	4.054	42.483	42.871	35.663	37.317

Run	Time	208Pb	209Bi	220Bko
1	16:10:45	1600.1536	1209640.5000	0.0000
2	16:11:21	3163.1002	1271609.4000	0.0000
3	16:11:58	3028.0500	1311271.2000	0.0000
4	16:12:35	1842.7037	1333181.2000	0.0000
5	16:13:11	1290.0999	1338844.3000	0.0000
x		2184.8215	1292909.4000	0.0000
%RSD		39.156	4.139	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	16:16:12	193320.8300	512.5158	345.0071	35.0001	75.0003	2447.8595	382.5088	466923.3100
2	16:16:49	194542.9500	574.1865	410.0101	55.0002	105.0007	2722.9448	365.0080	470276.7100
3	16:17:25	196318.8800	596.6880	335.0067	30.0001	60.0002	2530.3841	420.0106	474797.5600
4	16:18:02	195511.9000	566.6859	335.0067	20.0000	75.0003	2282.8126	417.5105	476512.6700
5	16:18:40	196894.7300	556.6853	280.0047	45.0001	50.0001	2285.3133	435.0114	480830.3900
x		195317.8600	561.3523	341.0071	37.0001	73.0003	2453.8629	404.0098	473868.1300
%RSD		0.729	5.526	13.574	36.512	28.489	7.513	7.198	1.144

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	16:16:12	392.5092	12779.7920	5944.6196	1917.7206	3723.3316	81723.7710	1555.1451	3773.3541
2	16:16:49	322.5062	12889.9610	6292.3747	1972.7335	4301.1097	83402.7830	1592.6522	4371.1461
3	16:17:25	282.5048	13102.7930	6269.8578	2077.7590	4206.0612	82973.5300	1620.1575	4116.0162
4	16:18:02	242.5035	13205.4550	6067.2079	2120.2697	3903.4140	83814.3820	1580.1498	3850.8896
5	16:18:40	212.5027	13007.6440	6102.2334	2012.7430	3663.3050	83135.1290	1497.6346	3735.8372
x		290.5053	12997.1290	6135.2587	2020.2452	3959.4443	83009.9190	1569.1478	3969.4486
%RSD		24.268	1.295	2.374	4.001	7.190	0.947	2.953	6.782

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	16:16:12	915.0502	4273.5955	2100.2646	1297.6010	535.8506	1284.2656	289.1717	42.5001
2	16:16:49	987.5585	4523.7275	2190.2878	1470.1297	623.3567	1304.2687	291.6718	40.8334
3	16:17:25	985.0582	4501.2153	2067.7565	1430.1227	593.3545	1296.7676	291.6718	38.3334
4	16:18:02	840.0423	4421.1725	2082.7602	1340.1077	490.8478	1210.9213	260.0041	32.5001
5	16:18:40	937.5527	4291.1045	2067.7565	1370.1126	486.6809	1330.9396	282.5048	40.8334
x		933.0524	4402.1631	2101.7651	1381.6148	546.0181	1285.4326	283.0048	39.0001
%RSD		6.491	2.635	2.439	5.002	11.174	3.502	4.733	10.068

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	16:16:12	841916.8700	2575.3979	57.5002	2396.5946	641.2747	1478.8812	1001333.0000	20.0000
2	16:16:49	869513.9800	2691.6846	52.5002	2671.6782	741.2830	1828.9507	1041190.1000	32.5001
3	16:17:25	880752.3400	2631.6655	42.5001	2462.8639	661.2762	1706.4247	1052522.5000	12.5000
4	16:18:02	885073.7100	2712.9415	25.0000	2496.6239	655.0257	1638.9111	1049714.2000	17.5000
5	16:18:40	896168.2400	2626.6639	52.5002	2590.4025	685.0282	1553.8949	1065156.8000	32.5001
x		874685.0300	2647.6707	46.0001	2523.6326	676.7776	1641.4125	1041983.3000	23.0000
%RSD		2.362	2.079	28.135	4.292	5.819	8.257	2.332	39.491

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	16:16:12	3570.7649	3290.6496	5496.8123	1666903.8000	3113.0814	7215.6226	2355.3328	1947.7276
2	16:16:49	3798.3655	3263.1388	5731.9707	1719871.2000	3673.3094	8804.6489	2850.4874	2250.3038
3	16:17:25	3998.4590	3293.1506	5929.6089	1752677.0000	3413.1989	7646.0061	2842.9849	2247.8031
4	16:18:02	3798.3655	3180.6069	6054.6988	1768776.6000	3055.5601	7578.4444	2650.4214	2192.7885
5	16:18:40	4188.5524	3363.1785	6079.7170	1790584.0000	3001.7905	7432.0627	2525.3826	2105.2659
x		3870.9014	3278.1449	5858.5615	1739762.5000	3251.3881	7735.3569	2644.9218	2148.7778
%RSD		6.028	2.009	4.175	2.771	8.753	8.016	8.013	5.903

Run	Time	208Pb	209Bi	220Bkg
1	16:16:12	4773.8670	1236328.5000	0.0000
2	16:16:49	5989.6518	1287038.3000	0.0000
3	16:17:25	5701.9501	1314817.8000	0.0000
4	16:18:02	5344.2131	1320470.8000	2.5000
5	16:18:40	4981.4885	1342171.2000	0.0000
x		5358.2341	1300165.3000	0.5000
%RSD		9.334	3.133	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	16:21:36	165470.8500	145.0013	TM 52297384.0000	TM 7254416.3000	TM 8287695.7000	TM 157183740.0000	M 1656373.5000	433853.4500
2	16:22:14	168989.5800	128.3343	TM 55955374.0000	TM 7682726.1000	TM 8741410.6000	TM 162413680.0000	M 1784879.9000	455798.3100
3	16:22:51	168520.2200	161.6682	TM 57805133.0000	TM 7897946.1000	TM 8903291.5000	TM 165343960.0000	M 1865786.2000	464544.4800
4	16:23:27	170559.4200	147.5013	TM 60127503.0000	TM 8116972.8000	TM 9191603.3000	TM 167570350.0000	M 1919823.7000	478814.1300
5	16:24:04	169231.9300	128.3343	TM 61186089.0000	TM 8133831.5000	TM 9206309.4000	TM 168441950.0000	TM 2000544.5000	483682.2900
x		168554.4000	142.1679	TM 57474297.0000	TM 7817178.5000	TM 8866062.1000	TM 164190740.0000	TM 1845481.6000	463338.5300
%RSD		1.117	9.944	TM 6.154	TM 4.663	TM 4.270	TM 2.776	TM 7.138	4.291

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	16:21:36	351669.4500	6945.3931	46982.0670	TM 5678484.0000	23287.4930	TM 95697208.0000	TM 2355698.2000	4376.1487
2	16:22:14	374400.7700	6937.8869	50401.9620	TM 5997014.8000	24784.3010	TM 102392810.0000	TM 2514895.5000	4483.7059
3	16:22:51	376473.5900	7185.5966	51357.7710	TM 6289255.2000	25739.6910	TM 106183770.0000	TM 2614176.6000	4468.6978
4	16:23:27	382409.9400	6917.8702	52605.5180	TM 6436676.1000	26110.8430	TM 108376660.0000	TM 2665363.8000	4583.7603
5	16:24:04	388421.1000	7067.9961	52343.8780	TM 6570604.0000	26549.7260	TM 110904220.0000	TM 2731748.9000	4413.6685
x		374674.9700	7010.9486	50738.2390	TM 6194406.8000	25294.4110	TM 104710930.0000	TM 2576376.6000	4465.1963
%RSD		3.730	1.627	4.480	TM 5.789	5.128	TM 5.662	TM 5.690	1.770

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	16:21:36	5276.6701	13418.2940	7383.2693	5746.9810	480.0138	832.5416	54.1668	166.6683
2	16:22:14	5156.5949	13981.7190	7896.2393	5994.6554	448.3454	918.3839	53.3335	214.1694
3	16:22:51	4961.4765	14041.8200	7741.0938	6269.8578	459.1793	863.3781	51.6668	161.6682
4	16:23:27	5074.0443	14442.5040	8011.3491	6502.5360	460.8461	911.7165	40.0001	227.5031
5	16:24:04	5331.7051	15038.5570	8294.1255	6595.1087	485.0141	889.2141	74.1670	226.6698
x		5160.0982	14184.5790	7865.2154	6221.8278	466.6797	883.0468	54.6669	199.3358
%RSD		2.905	4.237	4.283	5.668	3.286	4.022	22.523	16.346

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	16:21:36	785795.3600	308.7557	1580.1498	312.5059	1947.7276	3216.8708	981638.4400	237.5034
2	16:22:14	843045.3600	303.7555	1692.6719	301.2555	2094.0131	3518.2425	1058387.8000	272.5045
3	16:22:51	877374.8900	283.7548	1607.6551	311.2558	1976.4844	3315.6595	1101827.0000	200.0024
4	16:23:27	903288.9900	256.2539	1690.1714	291.2551	1988.9873	3351.9240	1149560.9000	237.5034
5	16:24:04	926162.1600	222.5030	1615.1565	238.7534	2101.5149	3398.1927	1172693.5000	265.0042
x		867133.3500	275.0046	1637.1609	291.0051	2021.7455	3360.1779	1092821.5000	242.5036
%RSD		6.341	13.048	3.129	10.462	3.514	3.294	6.973	11.777

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	16:21:36	2245.3024	467.5131	910.0497	1607127.2000	150.0014	396.2594	8576.9115	6577.5949
2	16:22:14	2510.3781	552.5183	905.0491	1736178.7000	167.5017	373.7584	9049.9114	7155.5708
3	16:22:51	2750.4538	582.5204	877.5462	1822975.1000	170.0017	412.5102	9635.5674	7505.8788
4	16:23:27	2687.9334	540.0175	992.5591	1892051.1000	187.5021	433.7613	9838.3041	7610.9740
5	16:24:04	2712.9415	582.5204	920.0508	1947561.0000	256.2539	647.5252	10131.1550	7798.6474
x		2581.4019	545.0179	921.0510	1801178.6000	186.2522	452.7629	9446.3698	7329.7332
%RSD		8.108	8.655	4.665	7.451	22.189	24.532	6.635	6.564

Run	Time	208Pb	209Bi	220Bkg
1	16:21:36	16954.7300	1139663.4000	0.0000
2	16:22:14	17783.9560	1231100.1000	0.0000
3	16:22:51	18523.0630	1291141.2000	0.0000
4	16:23:27	19497.7830	1341321.9000	0.0000
5	16:24:04	20111.7400	1374063.7000	0.0000
x		18574.2540	1275458.1000	0.0000
%RSD		6.845	7.304	0.000

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	16:27:01	173377.5200	7485.0267	TM 60230970.0000	TM 8197028.8000	TM 9239152.1000	TM 170808290.0000	TM 1963704.5000	480706.0200
2	16:27:37	173308.6100	7399.9508	TM 62032610.0000	TM 8350388.3000	TM 9357989.8000	TM 171507270.0000	TM 2030491.8000	492657.0500
3	16:28:14	173323.9200	7274.0066	TM 63060819.0000	TM 8340622.1000	TM 9466123.9000	TM 173521220.0000	TM 2088968.3000	497252.0300
4	16:28:51	173317.1100	7338.2296	TM 64248618.0000	TM 8443768.1000	TM 9491419.3000	TM 174322390.0000	TM 2111353.3000	503187.9100
5	16:29:29	174418.9100	7253.9892	TM 64102643.0000	TM 8408623.2000	TM 9435453.9000	TM 174014780.0000	TM 2144110.1000	506724.0800
x		173549.2100	7350.2406	TM 62735132.0000	TM 8348086.1000	TM 9398027.8000	TM 172834790.0000	TM 2067725.6000	496105.4200
%RSD		0.281	1.288	TM 2.647	TM 1.132	TM 1.085	TM 0.912	TM 3.453	2.049

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	16:27:01	390403.0600	60287.2870	104483.4300	TM 6405990.1000	94419.3880	TM 108958670.0000	TM 2672411.9000	71253.3250
2	16:27:37	398996.0500	62558.9390	106007.4900	TM 6679382.1000	98000.3760	TM 112873320.0000	TM 2767865.3000	73068.9460
3	16:28:14	399989.5100	62516.1200	106554.4000	TM 6725021.6000	98911.0410	TM 114619570.0000	TM 2793501.2000	74133.2840
4	16:28:51	400259.5300	61856.2230	106653.1500	TM 6830976.0000	99667.4730	TM 116488910.0000	TM 2869519.3000	73729.7280
5	16:29:29	405160.5500	63936.8380	109512.3800	TM 6920279.8000	100133.0000	TM 117405900.0000	TM 2891101.5000	76249.7530
x		398961.7400	62231.0810	106642.1700	TM 6712329.9000	98226.2560	TM 114069270.0000	TM 2798879.8000	73687.0070
%RSD		1.341	2.128	1.710	TM 2.908	2.317	TM 2.935	TM 3.119	2.453

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	16:27:01	19861.1400	49335.6090	25082.6920	16433.6880	9079.9440	3199.7809	981.7245	215.0028
2	16:27:37	20359.8410	50474.9010	25621.8280	17087.5010	9255.1366	3232.2934	998.3931	226.6698
3	16:28:14	19803.5030	50756.6050	25722.1370	16974.7710	9497.0753	3308.9902	1023.3962	202.5025
4	16:28:51	20495.1720	52034.4490	25950.3420	17130.0880	9566.3211	3244.7983	1004.2272	200.8358
5	16:29:29	21081.6320	52306.1420	26075.7330	17488.3310	9509.5895	3291.4832	1027.5633	196.6690
x		20320.2580	50981.5410	25690.5460	17022.8760	9381.6133	3255.4692	1007.0609	208.3359
%RSD		2.569	2.378	1.496	2.240	2.203	1.366	1.866	5.913

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	16:27:01	902158.2800	50048.5920	2375.3385	48295.7950	13104.0450	29679.0070	1137490.7000	245.0036
2	16:27:37	931442.4000	51675.9790	2437.8565	50619.5250	13677.4650	30089.2240	1179994.5000	350.0074
3	16:28:14	950125.5800	52352.6830	2505.3766	50879.8530	13866.5270	31396.5330	1199996.6000	262.5041
4	16:28:51	972829.6900	53621.9660	2327.8251	52244.5080	13916.6110	32092.9290	1230075.3000	252.5038
5	16:29:29	981055.4000	54315.1830	2392.8435	52556.4600	13974.2070	32069.0870	1245375.0000	272.5045
x		947522.2700	52402.8810	2407.8480	50919.2280	13707.7710	31065.3560	1198586.4000	276.5047
%RSD		3.374	3.196	2.794	3.317	2.593	3.616	3.555	15.326

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	16:27:01	35382.4560	8093.9288	14094.4090	1841633.2000	52824.3960	125313.9300	51616.8640	42995.6320
2	16:27:37	37215.4140	8286.6180	14883.2790	1957598.4000	55129.2530	132733.7400	54457.3570	45589.3630
3	16:28:14	38388.2160	8802.1462	14918.3410	2013608.5000	57273.6420	137192.5900	55801.2030	46207.7550
4	16:28:51	38596.6760	8997.3545	15572.0360	2046825.6000	58174.8520	140121.9800	57749.4090	47746.3920
5	16:29:29	39023.6570	9044.9060	15857.5730	T 2133148.1000	59433.6890	142988.8100	58318.3500	47907.3120
x		37721.2840	8644.9907	15065.1280	T 1998562.8000	56567.1660	135670.2100	55588.6370	46089.2910
%RSD		3.895	4.978	4.553	T 5.422	4.625	5.101	4.862	4.324

Run	Time	208Pb	209Bi	220Bkg
1	16:27:01	107628.0700	1296573.2000	0.0000
2	16:27:37	110928.4300	1363697.3000	0.0000
3	16:28:14	114387.2100	1408778.5000	0.0000
4	16:28:51	117401.2000	1432856.4000	0.0000
5	16:29:29	118963.1200	1445516.6000	0.0000
x		113861.6000	1389484.4000	0.0000
%RSD		4.079	4.361	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	16:32:25	192097.1800	109589.2100	659049.4500	89836.6410	102455.9900	521484.2000	19693.2420	532604.2300
2	16:33:03	190251.3900	106419.3600	686351.7900	91732.1230	105382.1400	545226.3000	20893.6600	536874.3500
3	16:33:39	193413.7800	107690.5300	702356.4000	93026.3520	105670.7600	564367.1900	21224.4940	542575.1300
4	16:34:16	193025.7800	106941.8200	697383.6700	92535.9370	106237.9000	548076.9800	20778.3720	547110.2000
5	16:34:53	192701.7400	106588.1600	699467.9600	92788.7250	104885.9400	534432.1200	20354.8290	552931.1900
x		192297.9700	107445.8200	688921.8500	91983.9560	104926.5400	542717.3600	20588.9190	542419.0200
%RSD		0.646	1.204	2.579	1.408	1.396	2.947	2.863	1.485

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	16:32:25	567.5193	714865.9300	691741.2300	77274.1240	934994.0600	1299887.4000	29186.0200	928452.1900
2	16:33:03	617.5229	725566.5800	704058.9600	79025.4330	954240.8600	1345541.7000	29943.7010	938086.9000
3	16:33:39	517.5161	735296.4600	715689.8500	81870.1980	964287.1100	1374694.9000	31441.7030	961112.3400
4	16:34:16	512.5158	736204.0800	719443.3200	81668.2310	971146.8300	1372360.5000	30696.4320	954919.9500
5	16:34:53	397.5095	738532.1800	722297.5800	81776.7870	982025.2800	1381033.5000	30954.8860	967644.9400
x		522.5167	730093.0500	710646.1900	80322.9550	961338.8300	1354703.6000	30444.5480	950043.2600
%RSD		15.666	1.349	1.779	2.589	1.859	2.474	2.916	1.718

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	16:32:25	205897.5900	511256.2100	243779.3000	154325.8800	124790.7500	35023.4440	14323.1320	43.3334
2	16:33:03	208872.7700	516106.9400	247311.1100	158146.5100	127039.3500	35502.9670	14612.8010	42.5001
3	16:33:39	212410.5300	530436.0300	253023.8200	160844.9300	128079.2500	36207.6560	14894.9660	49.1668
4	16:34:16	210879.8800	525779.3900	251921.1600	160462.6600	129115.0500	36358.3100	14742.1950	50.8335
5	16:34:53	211482.3600	530667.6000	249615.8200	161219.5600	129575.4500	36555.8380	14877.4350	45.0001
x		209908.6300	522849.2400	249130.2400	158999.9100	127719.9700	35929.6430	14690.1060	46.1668
%RSD		1.234	1.676	1.490	1.808	1.494	1.791	1.598	7.930

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	16:32:25	1025935.6000	754127.9100	10416.5060	738455.8300	160084.2400	382131.3300	1227380.4000	47.5001
2	16:33:03	1047101.6000	774790.5200	10721.8930	753319.4600	165522.7000	394097.2500	1268462.0000	40.0001
3	16:33:39	1068975.0000	793054.5900	10751.9320	768487.5500	168423.7200	405020.2200	1300439.4000	45.0001
4	16:34:16	1073840.0000	802806.5900	11332.7010	774163.5700	170939.1600	409014.6500	1310285.2000	50.0001
5	16:34:53	1091470.1000	804609.9400	10994.7480	781881.6600	172172.9300	414627.0500	1323569.6000	30.0001
x		1061464.5000	785877.9100	10843.5560	763261.6200	167428.5500	400978.1000	1286027.3000	42.5001
%RSD		2.392	2.714	3.153	2.276	2.886	3.227	3.000	18.602

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	16:32:25	444554.6600	98212.8550	173219.2800	τ2113316.9000	718512.9600	1790435.3000	609043.9500	488248.6200
2	16:33:03	463686.1000	101896.6900	179786.1900	τ2190540.9000	749807.9700	1862874.9000	637404.1000	509400.0600
3	16:33:39	477483.4400	104151.8100	184566.5000	τ2262958.5000	774503.0500	1919781.7000	653286.1000	524494.5900
4	16:34:16	483479.7800	105855.5800	187922.7700	τ2290996.2000	785587.0200	1947779.3000	665930.5200	533864.9400
5	16:34:53	490354.5300	106313.8600	190507.9900	τ2313177.2000	795565.3200	1980243.1000	673152.5900	540159.2600
x		471911.7000	103286.1600	183200.5500	τ2234198.0000	764795.2600	1900222.9000	647763.4500	519233.4900
%RSD		3.851	3.218	3.751	τ3.664	4.051	3.947	3.945	4.013

Run	Time	208Pb	209Bi	220Bkg
1	16:32:25	1248277.5000	1519177.7000	2.5000
2	16:33:03	1300038.4000	1583589.3000	0.0000
3	16:33:39	1338163.1000	1627904.4000	0.0000
4	16:34:16	1358436.7000	1662532.1000	2.5000
5	16:34:53	1380095.5000	1677553.7000	0.0000
x		1325002.2000	1614151.5000	1.0000
%RSD		3.928	3.979	136.931

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	16:37:50	194633.3600	85.8338	15128.7200	1990.2376	2585.4010	38820.2100	997.5597	541560.9900
2	16:38:27	195203.1200	154.1681	38684.5820	5301.6859	5721.9638	99442.3070	1720.1775	546870.1900
3	16:39:04	196943.3600	138.3345	33954.0320	4456.1911	5166.6011	92424.7130	1652.6639	554232.2400
4	16:39:41	198042.2800	121.6676	23252.3950	3030.5510	3775.8552	63412.8570	1190.0850	564284.3500
5	16:40:17	198104.5600	104.1673	16962.2460	2385.3413	2690.4342	51757.7340	975.0570	568516.7400
x		196585.3400	120.8342	25596.3950	3432.8014	3988.0511	69171.5640	1307.1086	555092.9100
%RSD		0.815	22.363	40.543	40.887	35.664	37.662	27.313	2.046

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	16:37:50	567.5193	577.5200	1365.1118	3615.7843	632.5240	125779.6200	1982.7358	530.0169
2	16:38:27	640.0246	1067.5684	2012.7430	5864.5629	1452.6266	164645.5800	2820.4772	1267.5964
3	16:39:04	585.0205	1015.0618	1875.2110	5591.8755	1277.5979	162733.5700	2685.4326	1045.0655
4	16:39:41	482.5140	807.5391	1777.6896	4573.7548	865.0449	144985.3700	2335.3272	750.0338
5	16:40:17	437.5115	615.0227	1590.1517	4131.0237	722.5313	137073.1500	2140.2748	650.0254
x		542.5180	816.5424	1724.1814	4755.4002	990.0650	147043.4600	2392.8495	848.5476
%RSD		15.022	27.401	14.668	20.092	36.125	11.338	14.831	35.589

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	16:37:50	157.5015	1467.6292	337.5068	267.5043	98.3339	1181.7505	39.1668	35.8334
2	16:38:27	315.0060	1925.2224	550.0181	432.5112	215.8361	1135.0773	72.5003	40.0001
3	16:39:04	340.0069	1622.6580	437.5115	395.0094	173.3351	1071.7356	62.5002	55.8335
4	16:39:41	175.0018	1295.1006	397.5095	362.5079	105.0007	1040.0649	60.0002	48.3335
5	16:40:17	132.5011	1170.0821	272.5045	300.0054	85.8338	983.3914	47.5001	40.0001
x		224.0035	1496.1385	399.0101	351.5076	135.6679	1082.4039	56.3335	44.0001
%RSD		42.898	19.705	26.307	19.234	41.473	7.209	23.240	18.235

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	16:37:50	1032710.9000	273.7545	7.5000	231.2532	80.0004	222.5030	1242889.1000	22.5000
2	16:38:27	1065725.6000	382.5088	37.5001	376.2585	240.0035	525.0165	1287026.7000	17.5000
3	16:39:04	1089807.1000	317.5061	12.5000	310.0058	196.2523	480.0138	1315976.1000	27.5000
4	16:39:41	1093337.8000	255.0039	17.5000	245.0036	135.0011	323.7563	1340640.4000	37.5001
5	16:40:17	1115339.9000	263.7542	5.0000	240.0035	81.2504	233.7533	1345880.4000	20.0000
x		1079384.3000	298.5055	16.0000	280.5049	146.5015	357.0086	1306482.5000	25.0000
%RSD		2.915	17.671	80.889	22.095	48.303	39.051	3.255	31.623

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	16:37:50	1337.6073	50.0001	95.0005	τ2143722.3000	762.5349	1867.7093	530.0169	340.0069
2	16:38:27	1922.7218	140.0012	255.0039	τ2218454.1000	1472.6301	3333.1665	1017.5621	817.5401
3	16:39:04	1815.1977	152.5014	227.5031	τ2282540.4000	1035.0643	2421.6018	832.5416	705.0298
4	16:39:41	1535.1414	62.5002	152.5014	τ2339933.2000	680.0278	1731.4299	607.5221	510.0156
5	16:40:17	1295.1006	62.5002	130.0010	τ2342710.3000	543.7677	1253.8443	422.5107	370.0082
x		1581.1538	93.5006	172.0020	τ2265472.1000	898.8050	2121.5503	682.0307	548.5201
%RSD		17.740	52.005	39.048	τ3.748	40.891	37.469	35.254	37.990

Run	Time	208Pb	209Bi	220Bkg
1	16:37:50	895.0481	1533018.6000	0.0000
2	16:38:27	1970.2329	1603503.4000	2.5000
3	16:39:04	1687.6709	1655616.6000	0.0000
4	16:39:41	1292.6002	1685871.0000	0.0000
5	16:40:17	940.0530	1706606.0000	0.0000
x		1357.1210	1636923.1000	0.5000
%RSD		34.498	4.267	223.607

PBW 06/18/2008 16:42:37

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	16:43:14	195418.9300	59.1669	7553.4217	1145.0787	1215.0886	23899.2210	990.0588	529251.6800
2	16:43:51	196355.5600	92.5005	17563.4890	2315.3216	2675.4294	48151.2120	1445.1253	537730.7500
3	16:44:28	197439.0500	110.8341	23924.2930	3095.5748	3560.7606	67139.3770	1590.1517	541447.7300
4	16:45:05	195819.8400	88.3338	18756.0840	2345.3300	2830.4806	55808.7530	1382.6147	539613.0200
5	16:45:42	195297.8000	71.6670	13981.7190	1665.1664	2305.3188	44086.3080	1177.5832	535077.9000
x		196066.2300	84.5004	16355.8010	2113.2943	2517.4156	47816.9740	1317.1067	536624.2100
%RSD		0.445	23.510	37.142	35.075	34.128	33.450	17.873	0.885

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	16:43:14	585.0205	14349.8440	1940.2258	2988.0356	330.0065	113006.0600	1527.6400	267.5043
2	16:43:51	517.5161	15096.1610	2085.2609	3863.3953	742.5331	127216.1800	1827.7004	547.5180
3	16:44:28	502.5152	15669.7190	2297.8168	4751.3541	860.0444	138755.6500	2095.2634	782.5367
4	16:45:05	432.5112	15369.1600	2100.2646	4316.1174	725.0315	132467.0500	2135.2735	635.0242
5	16:45:42	367.5081	15732.3360	2090.2621	3958.4399	587.5207	124708.7100	1802.6950	457.5126
x		481.0142	15243.4440	2102.7660	3975.4685	649.0273	127230.7300	1877.7145	538.0192
%RSD		17.346	3.677	6.059	16.427	31.256	7.548	13.163	35.867

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	16:43:14	72.5003	862.5446	247.5037	1152.5797	354.1742	1018.3956	49.1668	35.0001
2	16:43:51	142.5012	1092.5716	365.0080	1220.0893	472.5134	900.0486	70.8336	45.8335
3	16:44:28	227.5031	1225.0900	445.0119	1215.0886	498.3482	951.7210	69.1670	38.3334
4	16:45:05	172.5018	1057.5671	380.0087	1197.5860	476.6803	845.0428	60.0002	42.5001
5	16:45:42	127.5010	892.5478	330.0065	1092.5716	489.1810	839.2089	55.8335	37.5001
x		148.5015	1026.0642	353.5078	1175.5831	458.1794	910.8834	61.0002	39.8334
%RSD		38.493	14.586	20.495	4.550	12.884	8.291	14.915	10.810

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	16:43:14	1016899.7000	156.2515	7.5000	165.0016	30.0001	115.0008	1233930.2000	32.5001
2	16:43:51	1045218.2000	218.7529	17.5000	232.5032	90.0005	256.2539	1264056.8000	32.5001
3	16:44:28	1066068.1000	253.7539	17.5000	207.5026	106.2507	332.5066	1295911.1000	57.5002
4	16:45:05	1062819.8000	206.2526	20.0000	155.0014	100.0006	260.0041	1290267.7000	55.0002
5	16:45:42	1061091.4000	167.5017	15.0000	161.2516	71.2503	187.5021	1302717.5000	37.5001
x		1050419.4000	200.5025	15.5000	184.2521	79.5004	230.2535	1277376.7000	43.0001
%RSD		1.941	19.713	31.025	18.453	38.588	35.766	2.220	28.601

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	16:43:14	622.5233	30.0001	60.0002	2073300.0000	310.0058	785.0370	210.0027	155.0014
2	16:43:51	877.5462	75.0003	112.5008	τ 2200136.1000	711.2804	1703.9242	527.5167	405.0098
3	16:44:28	942.5533	97.5006	150.0014	τ 2269331.5000	748.7836	1945.2270	602.5218	490.0144
4	16:45:05	990.0588	45.0001	120.0009	τ 2277342.3000	530.0169	1205.0871	492.5146	377.5086
5	16:45:42	862.5446	45.0001	110.0007	τ 2288290.4000	333.7567	860.0444	395.0094	300.0054
x		859.0452	58.5002	110.5008	τ 2221680.0000	526.7687	1299.8639	445.5130	345.5079
%RSD		16.507	46.579	29.342	τ 4.044	38.857	39.363	33.967	36.556

Run	Time	208Pb	209Bi	220Bkg
1	16:43:14	482.5140	1541488.8000	0.0000
2	16:43:51	1065.0681	1603551.5000	0.0000
3	16:44:28	1250.0938	1648141.8000	0.0000
4	16:45:05	1042.5652	1659149.3000	0.0000
5	16:45:42	725.0315	1678105.0000	0.0000
x		913.0545	1626087.3000	0.0000
%RSD		33.498	3.361	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	16:48:39	189987.9800	40575.2080	768449.2500	101651.2200	116260.3700	937339.3900	37092.3670	504896.7700
2	16:49:16	193142.6000	40676.5330	791285.1600	105361.8800	118029.9900	963098.1900	38332.9630	512009.1400
3	16:49:53	191592.4300	40103.7670	803296.8800	105458.0900	117335.2800	953355.0600	38029.0750	510029.3500
4	16:50:30	191095.3800	39439.7760	804978.0800	106091.0500	118339.3300	959800.8100	38501.2360	513897.7400
5	16:51:07	190873.7200	39603.0480	803340.8200	104232.8200	118729.8200	950997.0800	38086.8380	513293.4000
x		191338.4200	40079.6660	794270.0400	104559.0100	117738.9600	952918.1100	38008.4960	510825.2800
%RSD		0.608	1.389	1.944	1.681	0.825	1.046	1.437	0.711

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	16:48:39	500.0150	277419.5900	252361.6900	69654.8970	340697.4700	1229363.3000	27249.4790	343387.0600
2	16:49:16	425.0108	280381.2800	255611.0000	71046.5710	351888.4100	1267225.9000	28829.7830	346830.3400
3	16:49:53	480.0138	282234.8000	260486.0300	72496.4790	356644.3200	1283908.6000	29241.2130	348393.5700
4	16:50:30	437.5115	282891.5200	260158.5300	71868.5750	356279.1900	1283688.2000	29125.8100	352464.5000
5	16:51:07	355.0076	284691.2800	260957.9500	72662.9190	357870.2400	1285181.8000	28471.0530	348891.2500
x		439.5117	281523.6900	257915.0400	71545.8880	352675.9300	1269873.6000	28583.4680	347993.3500
%RSD		12.798	0.982	1.464	1.723	2.004	1.876	2.810	0.948

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	16:48:39	75634.1810	190180.6400	90819.7110	117287.1100	90754.0010	26386.7090	10808.6720	34.1667
2	16:49:16	76330.4870	190735.6100	91896.4190	119267.4200	92446.6210	26495.3870	10973.0530	38.3334
3	16:49:53	77178.2420	194119.9200	92958.0970	121631.2200	93944.9040	27099.8260	11132.4310	49.1668
4	16:50:30	77650.0950	193748.9400	92874.6740	122435.3700	93836.1890	26739.4980	11152.4580	50.8335
5	16:51:07	76623.1540	193751.5000	92932.8170	122044.7000	93830.2900	26806.3790	11244.2480	62.5002
x		76683.2320	192507.3200	92296.3440	120533.1600	92962.4010	26705.5600	11062.1720	47.0001
%RSD		1.012	0.980	1.016	1.820	1.485	1.047	1.556	23.775

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	16:48:39	973246.9500	278504.9100	3750.8439	271744.6300	59687.9970	142444.6100	1184909.0000	55.0002
2	16:49:16	998355.5100	287268.7500	4086.0015	278064.3100	61747.9240	146637.6500	1225351.9000	62.5002
3	16:49:53	1015126.8000	290825.2300	4118.5175	283828.8400	62353.6590	149483.8100	1240000.0000	50.0001
4	16:50:30	1027924.8000	294534.6500	4096.0064	285835.7200	62566.4960	151723.7500	1263125.1000	40.0001
5	16:51:07	1019326.0000	292718.5700	3970.9459	284449.4800	63468.2760	150776.7900	1253091.0000	62.5002
x		1006796.0000	288770.4200	4004.4630	280784.5900	61964.8700	148213.3200	1233295.4000	54.0002
%RSD		2.147	2.195	3.818	2.087	2.283	2.531	2.476	17.507

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	16:48:39	342259.5700	36823.6800	65645.0420	2027799.0000	575669.8900	1415016.0000	462862.1400	388722.1600
2	16:49:16	357035.5500	38209.8990	66887.3620	↑2161986.9000	599430.5500	1483375.2000	483019.1900	411269.1400
3	16:49:53	363373.3700	38601.6990	68598.6890	↑2193318.0000	617303.4800	1520328.2000	498099.1900	417994.1700
4	16:50:30	367386.1900	39556.1590	69647.3340	2187517.1000	623550.0500	1536672.7000	503258.2300	425284.4900
5	16:51:07	368527.4700	38923.1890	69546.4970	↑2243554.6000	625786.2000	1549420.3000	503674.8000	425147.7700
x		359716.4300	38422.9250	68064.9850	↑2162835.1000	608348.0300	1500962.5000	490182.7100	413683.5500
%RSD		2.987	2.657	2.569	↑3.748	3.451	3.602	3.553	3.653

Run	Time	208Pb	209Bi	220Bkg
1	16:48:39	972353.6400	1503146.9000	0.0000
2	16:49:16	1024856.7000	1570072.4000	0.0000
3	16:49:53	1044368.4000	1610663.7000	0.0000
4	16:50:30	1065796.4000	1642686.8000	2.5000
5	16:51:07	1067672.9000	1637036.0000	5.0000
x		1035009.6000	1592721.2000	1.5000
%RSD		3.783	3.623	149.071

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	16:54:07	194549.7700	40.8334	TM 21412892.0000	TM 2850338.5000	TM 3203884.0000	67668.6320	TM 2815028.3000	502665.2400
2	16:54:45	194352.7600	54.1668	TM 21874966.0000	TM 2883330.7000	TM 3264858.1000	77730.8420	TM 2897215.8000	506896.6100
3	16:55:21	190104.7700	59.1669	TM 21646187.0000	TM 2809302.2000	TM 3164111.4000	81127.9920	TM 2895653.5000	503329.8600
4	16:55:58	192500.5000	50.8335	TM 21764294.0000	TM 2839303.3000	TM 3213329.8000	75096.8540	TM 2924524.1000	504673.8500
5	16:56:35	194105.4200	54.1668	TM 22132024.0000	TM 2825390.4000	TM 3218567.2000	70665.8550	TM 2954812.7000	508880.9900
x		193122.6400	51.8335	TM 21766073.0000	TM 2841533.0000	TM 3212950.1000	74458.0350	TM 2897446.9000	505289.3100
%RSD		0.969	13.179	TM 1.226	TM 0.984	TM 1.121	7.235	TM 1.795	0.510

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	16:54:07	1137.5776	18650.8480	2065.2559	9928.4109	552969.8800	251426.5500	39845.0300	2325.3244
2	16:54:45	1027.5633	20673.1110	2245.3024	10466.5690	563589.6200	260983.7400	36986.9000	2447.8595
3	16:55:21	1005.0606	21001.4300	2262.8072	10754.4350	561126.4500	262652.4600	34800.0110	2390.3428
4	16:55:58	927.5516	21590.4330	2110.2672	10919.6500	570341.5800	260705.2300	35314.6690	2330.3258
5	16:56:35	917.5505	22134.3570	2115.2684	10679.3390	576702.7700	259268.9400	34503.7830	2182.7858
x		1003.0607	20810.0360	2159.7802	10549.6810	564946.0600	259007.3800	36290.0790	2335.3276
%RSD		8.877	6.393	4.095	3.636	1.601	1.701	6.082	4.233

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	16:54:07	3840.8849	12807.3340	6542.5673	449552.3600	4284.4344	945.0536	101.6673	49.1668
2	16:54:45	3685.8149	13075.2500	6485.0223	461259.3300	4398.6606	926.7182	102.5006	58.3335
3	16:55:21	3540.7521	13202.9510	6257.3484	463324.2900	4494.5451	852.5436	128.3343	52.5002
4	16:55:58	3318.1605	13413.2860	6379.9413	467767.4800	4462.8614	831.7082	104.1673	50.0001
5	16:56:35	3458.2174	13613.6110	6377.4394	471364.4100	4491.2099	841.7092	96.6672	55.8335
x		3568.7660	13222.4860	6408.4637	462653.5700	4426.3423	879.5466	106.6674	53.1668
%RSD		5.666	2.343	1.717	1.796	1.992	5.953	11.654	7.301

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	16:54:07	941766.8200	598.7715	210.0027	552.5183	2505.3766	6159.7757	1119569.8000	87.5005
2	16:54:45	970556.0900	736.2825	170.0017	661.2762	2672.9286	6485.0223	1162760.3000	107.5007
3	16:55:21	983045.7400	760.0347	215.0028	696.2791	2619.1615	6492.5282	1170431.1000	132.5011
4	16:55:58	998335.8500	645.0250	210.0027	586.2706	2702.9383	6625.1325	1184929.1000	95.0005
5	16:56:35	998658.8300	573.7698	187.5021	566.2692	2832.9815	6651.4034	1201114.2000	70.0003
x		978472.6600	662.7767	198.5024	612.5227	2666.6773	6482.7724	1167760.9000	98.5006
%RSD		2.415	12.441	9.658	10.268	4.488	3.018	2.626	23.714

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	16:54:07	14397.4260	21981.4530	37803.0500	1985458.1000	2045.2510	4840.1552	88641.4440	77579.4410
2	16:54:45	14645.3580	22119.3170	39613.9330	2084679.0000	2291.5650	5541.8421	93258.9300	80764.4870
3	16:55:21	15123.7110	22598.0990	40465.5090	T 2177225.2000	2111.5175	5264.1622	95762.0790	83438.1350
4	16:55:58	15296.5260	22843.7670	40656.4350	T 2204497.5000	1906.4681	4752.6048	96707.9080	84425.5050
5	16:56:35	15479.3630	23570.7880	40689.0940	2184951.6000	1866.4590	4457.4418	98862.9750	85473.6080
x		14988.4770	22622.6850	39845.6040	T 2127362.3000	2044.2521	4971.2412	94646.6670	82336.2350
%RSD		3.023	2.807	3.068	T 4.315	8.341	8.654	4.135	3.866

Run	Time	208Pb	209Bi	220Bkg
1	16:54:07	193590.3100	1356134.2000	0.0000
2	16:54:45	202690.3900	1415376.4000	0.0000
3	16:55:21	205754.1100	1447579.1000	0.0000
4	16:55:58	210208.2300	1471771.0000	0.0000
5	16:56:35	213664.4800	1498723.7000	0.0000
x		205181.5000	1437916.9000	0.0000
%RSD		3.760	3.830	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	16:59:34	185214.8200	19182.8870	TM 21296677.0000	TM 2797836.4000	TM 3183551.7000	879796.3200	TM 2830100.4000	489175.6800
2	17:00:11	183973.6100	18900.5760	TM 21648102.0000	TM 2787934.2000	TM 3197594.5000	885073.7100	TM 2905250.8000	495090.0800
3	17:00:48	186614.7000	18979.9230	TM 21756791.0000	TM 2822784.6000	TM 3218178.4000	896212.6600	TM 2959736.1000	502027.2000
4	17:01:24	185178.1800	18766.1060	TM 22181603.0000	TM 2835134.0000	TM 3213261.1000	891555.6100	TM 2996536.7000	508427.0000
5	17:02:01	185392.0300	18658.3650	TM 22203495.0000	TM 2863526.3000	TM 3218292.8000	898486.5700	TM 2995827.7000	507800.4800
x		185274.6700	18897.5710	TM 21817334.0000	TM 2821443.1000	TM 3206175.7000	890224.9700	TM 2937490.3000	500504.0900
%RSD		0.506	1.067	TM 1.753	TM 1.069	TM 0.475	0.872	TM 2.405	1.660

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	16:59:34	965.0559	1342765.2000	478443.7400	43920.4360	2246015.3000	754371.0000	50052.3640	1614893.4000
2	17:00:11	1077.5697	1375623.6000	484326.9100	44576.4050	T 2291761.9000	773709.1400	48732.0730	1641048.7000
3	17:00:48	1007.5609	1383059.4000	490640.6500	45782.9200	T 2335882.9000	788764.6900	48425.2930	1658960.4000
4	17:01:24	1027.5633	1396792.2000	498003.7300	46034.2990	2385935.5000	796668.6200	47198.2830	1686415.1000
5	17:02:01	952.5544	1395235.9000	499361.4800	46866.4180	T 2348772.0000	793114.9400	47751.4210	1692201.1000
x		1006.0608	1378695.3000	490155.3000	45436.0960	T 2321673.5000	781325.6800	48431.8870	1658703.7000
%RSD		5.000	1.589	1.818	2.595	T 2.328	2.230	2.238	1.935

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	16:59:34	340280.9600	424348.5400	202833.8100	702250.5100	21607.1430	2027.7467	535.8506	71.6670
2	17:00:11	345837.8500	431478.5300	206148.6800	718064.1400	21927.1430	2051.0857	564.1858	75.8337
3	17:00:48	351187.2400	434333.7700	209116.2600	732506.0400	22541.2790	1990.2376	602.5218	81.6671
4	17:01:24	351069.9500	439091.1200	210041.6000	736364.9000	22820.3700	2031.9144	625.8568	87.5005
5	17:02:01	352227.2800	438422.2400	210108.2500	741308.1600	22596.4280	1978.5682	599.1882	56.6669
x		348120.6600	433534.8400	207649.7200	726098.7500	22298.4720	2015.9105	585.5206	74.6670
%RSD		1.448	1.384	1.511	2.190	2.282	1.506	6.053	15.677

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	16:59:34	935875.2200	124476.5200	1835.2021	121319.2200	29612.5210	70663.3340	1118191.9000	117.5008
2	17:00:11	963850.6900	127336.7500	2040.2497	123650.6100	30834.4400	73620.0140	1147555.7000	135.0011
3	17:00:48	981901.9400	130622.0200	2035.2485	126027.0700	31484.3640	74973.2490	1173827.8000	112.5008
4	17:01:24	989670.3500	132606.7400	2007.7418	127688.3200	32179.5120	76194.2490	1200197.7000	160.0015
5	17:02:01	1002038.2000	132091.1500	2057.7540	128705.0300	31598.5450	76953.6790	1195429.7000	142.5012
x		974667.2800	129426.6400	1995.2392	125478.0500	31141.8760	74480.9050	1167040.6000	133.5011
%RSD		2.640	2.663	4.573	2.399	3.145	3.330	2.943	14.421

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	16:59:34	177383.0000	746177.8200	1336115.2000	1987020.6000	132329.9000	321459.0800	137060.4400	112998.4600
2	17:00:11	183603.0700	772912.5600	1387177.0000	2072611.0000	137168.4500	333008.3300	141671.6000	117997.0200
3	17:00:48	186969.1800	786195.6000	1409331.3000	T 2174750.8000	141460.5600	342806.3700	144237.5600	119876.0600
4	17:01:24	190270.1500	798551.7000	1437839.0000	T 2212668.5000	143483.4600	348575.9600	146257.3100	122143.6300
5	17:02:01	190669.1100	800064.4900	1444588.1000	T 2206064.1000	144675.0400	352077.4000	148692.3300	124513.3200
x		185778.9000	780780.4300	1403010.1000	T 2130623.0000	139823.4800	339585.4300	143583.8500	119505.7000
%RSD		2.957	2.847	3.129	T 4.596	3.626	3.663	3.112	3.666

Run	Time	208Pb	209Bi	220Bkg
1	16:59:34	283276.7800	1353467.0000	0.0000
2	17:00:11	295531.5300	1414827.7000	0.0000
3	17:00:48	304900.1400	1454857.1000	0.0000
4	17:01:24	308556.0800	1474359.3000	2.5000
5	17:02:01	311378.1900	1497363.6000	0.0000
x		300728.5400	1438974.9000	0.5000
%RSD		3.805	3.932	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:05:01	207096.7600	20.8334	T 4584124.3000	631633.6000	714833.3100	18064.5580	M 561006.2500	528068.8100
2	17:05:38	207935.6000	35.8334	T 4659494.8000	625866.9400	714740.8600	20252.0790	M 567790.9300	526158.4800
3	17:06:15	206843.9300	40.8334	T 4695823.2000	633475.8600	702747.3900	24027.0880	M 573553.6800	526460.4300
4	17:06:51	207354.7200	36.6667	T 4722527.8000	625334.0800	712935.6200	23976.9440	M 577553.7800	528225.8100
5	17:07:28	209192.3000	41.6668	T 4686313.5000	628144.0700	703388.2100	23573.2950	M 577535.0400	527439.5200
x		207684.6600	35.1667	T 4669656.7000	628890.9100	709729.0800	21978.7930	M 571487.9400	527270.6100
%RSD		0.450	23.897	T 1.132	0.567	0.864	12.258	M 1.241	0.177

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:05:01	635.0242	6495.0301	1437.6240	4013.4662	117340.3500	145646.7500	10281.3380	680.0278
2	17:05:38	677.5275	6572.5909	1502.6355	4176.0461	118215.0800	146539.7000	9074.9386	725.0315
3	17:06:15	535.0172	7067.9961	1602.6541	4218.5675	120175.3200	147366.5900	8599.4347	1005.0606
4	17:06:51	527.5167	7012.9496	1492.6337	4176.0461	121073.1800	146117.3800	8281.6131	982.5579
5	17:07:28	480.0138	6877.8371	1572.6484	4266.0917	121552.5800	146013.0800	8256.5882	957.5550
x		571.0199	6805.2808	1521.6391	4170.0435	119671.3000	146336.7000	8898.7826	870.0466
%RSD		14.364	3.802	4.338	2.280	1.524	0.450	9.445	17.776

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:05:01	907.5494	3323.1625	1545.1432	103848.0600	927.5516	918.3839	65.8336	48.3335
2	17:05:38	790.0375	3305.6555	1550.1442	105774.5600	895.8815	818.3735	49.1668	37.5001
3	17:06:15	950.0542	3563.2616	1592.6522	106969.6700	950.0542	860.0444	80.0004	44.1668
4	17:06:51	855.0439	3345.6715	1545.1432	107344.4500	960.8887	819.2069	55.8335	47.5001
5	17:07:28	785.0370	3465.7205	1482.6319	106921.5600	967.5562	830.0413	62.5002	45.0001
x		857.5444	3400.6943	1543.1429	106171.6600	940.3864	849.2100	62.6669	44.5001
%RSD		8.425	3.246	2.545	1.343	3.099	4.968	18.531	9.604

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:05:01	987886.1000	226.2531	37.5001	188.7521	543.7677	1315.1038	1193638.1000	55.0002
2	17:05:38	1013348.6000	275.0045	50.0001	233.7533	611.2724	1362.6114	1227360.3000	47.5001
3	17:06:15	1030912.3000	402.5097	32.5001	357.5077	695.0290	1415.1201	1250984.4000	37.5001
4	17:06:51	1032837.8000	353.7575	57.5002	353.7575	640.0246	1457.6275	1251221.4000	57.5002
5	17:07:28	1032330.3000	351.2574	37.5001	276.2546	645.0250	1467.6292	1256501.9000	45.0001
x		1019463.0000	321.7565	43.0001	282.0050	627.0237	1403.6184	1235941.2000	48.5001
%RSD		1.906	21.823	24.112	26.242	8.843	4.598	2.120	16.543

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:05:01	3105.5786	4398.6606	8053.8900	T 2093752.8000	617.5229	1293.8504	18613.2640	15952.7550
2	17:05:38	3240.6300	4776.3684	8434.2661	2110216.5000	635.0242	1368.8624	19821.0440	17092.5110
3	17:06:15	3480.7268	4793.8785	8727.0673	T 2227283.8000	725.0315	1661.4156	19901.2350	17360.5650
4	17:06:51	3533.2489	4831.4001	8759.6014	2198080.8000	676.2774	1530.1405	20036.5590	17701.2800
5	17:07:28	3588.2724	5004.0020	9182.5564	T 2253042.9000	617.5229	1381.3645	20510.2090	17969.3530
x		3389.6913	4760.8619	8631.4762	T 2176475.4000	654.2758	1447.1267	19776.4620	17215.2930
%RSD		6.105	4.657	4.853	T 3.261	7.072	10.177	3.555	4.532

Run	Time	208Pb	209Bi	220Bkg
1	17:05:01	40658.9480	1470111.5000	0.0000
2	17:05:38	42523.2170	1533301.8000	0.0000
3	17:06:15	43081.0720	1577079.2000	0.0000
4	17:06:51	44224.5380	1598896.1000	2.5000
5	17:07:28	44297.4240	1599469.7000	0.0000
x		42957.0400	1555771.7000	0.5000
%RSD		3.470	3.530	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:10:27	199584.2500	21.6667	T 9478008.9000	1304577.5000	1497313.2000	95767.1370	M 1111319.7000	515095.9300
2	17:11:04	199153.2900	15.0000	T 9734337.1000	1324836.7000	T 1461434.0000	96933.0010	M 1144565.8000	521494.8400
3	17:11:41	200470.1400	30.8334	T 9928156.8000	1353934.6000	T 1479913.8000	98678.3060	M 1160772.2000	530545.1600
4	17:12:18	201291.2500	21.6667	T 9994815.8000	1350878.0000	T 1495786.3000	99105.8340	M 1172779.5000	532967.6500
5	17:12:55	201009.5700	23.3334	T 10005010.0000	T 1315791.8000	1521325.5000	99530.8550	M 1192024.8000	536299.0100
x		200301.7000	22.5000	T 9828065.6000	T 1330003.8000	T 1491154.6000	98003.0260	M 1156292.4000	527280.5200
%RSD		0.456	25.120	T 2.278	T 1.632	T 1.492	1.625	M 2.640	1.660

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:10:27	1545.1432	41020.7140	2973.0302	18700.9600	164895.4500	383639.5600	22186.9970	1090.0713
2	17:11:04	1515.1377	41628.7180	2810.4738	18698.4540	168634.1600	390782.7500	21312.2180	972.5568
3	17:11:41	1362.6114	43196.6680	2888.0003	19162.0060	170830.7200	400883.4700	20978.8740	1042.5652
4	17:12:18	1422.6214	43447.9690	2903.0056	19505.3010	173211.6200	402202.2900	21001.4300	1055.0668
5	17:12:55	1397.6172	43586.1880	2963.0267	19991.4510	173186.1000	405603.8600	20387.4080	947.5539
x		1448.6262	42576.0510	2907.5073	19211.6340	170151.6100	396622.3900	21173.3850	1021.5628
%RSD		5.393	2.750	2.255	2.876	2.056	2.299	3.108	5.819

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:10:27	1140.0780	6617.6265	3515.7415	43571.1090	8382.5472	825.8743	58.3335	50.8335
2	17:11:04	1115.0746	6775.2531	3568.2638	43958.1340	8672.0099	782.5367	50.8335	39.1668
3	17:11:41	1090.0713	6862.8247	3505.7373	45214.8310	8751.2593	823.3740	81.6671	47.5001
4	17:12:18	1157.5804	6945.3931	3305.6555	45968.9400	8644.4813	801.7052	68.3336	62.5002
5	17:12:55	1062.5677	7160.5751	3495.7331	45901.0670	9047.4087	771.7024	58.3335	63.3336
x		1113.0744	6872.3345	3478.2262	44922.8160	8699.5413	801.0385	63.5002	52.6668
%RSD		3.419	2.936	2.888	2.462	2.744	3.006	18.753	19.521

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:10:27	950072.5100	585.0205	25.0000	507.5155	176.2519	401.2597	1156674.2000	157.5015
2	17:11:04	980478.0100	581.2703	15.0000	558.7687	161.2516	417.5105	1195645.1000	87.5005
3	17:11:41	1006447.6000	605.0220	12.5000	576.2699	191.2522	452.5123	1224084.3000	80.0004
4	17:12:18	1023034.3000	605.0220	10.0000	558.7687	168.7517	433.7613	1246550.3000	110.0007
5	17:12:55	1021243.3000	617.5229	22.5000	528.7668	175.0018	457.5126	1258257.0000	120.0009
x		996255.1600	598.7715	17.0000	546.0179	174.5018	432.5113	1216242.2000	111.0008
%RSD		3.105	2.540	38.065	5.033	6.359	5.457	3.370	27.612

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:10:27	10837.0420	47386.8490	82736.1880	1994270.0000	427.5110	947.5539	102466.1100	89452.5420
2	17:11:04	11703.2120	48895.5270	86473.8480	2080464.8000	382.5088	1061.3176	107281.1400	93114.8320
3	17:11:41	12011.1500	50286.2660	88654.0780	2139152.5000	487.5143	1191.3352	110388.8300	95926.4540
4	17:12:18	12171.3820	51010.6490	89707.7640	T 2225432.4000	485.0141	1120.0753	110910.6900	97418.6140
5	17:12:55	12171.3820	50927.6430	91413.6520	2210958.8000	465.0130	1055.0668	114592.5100	98825.0290
x		11778.8340	49701.3870	87797.1060	T 2130055.7000	449.5122	1075.0697	109127.8600	94947.4940
%RSD		4.755	3.112	3.813	T 4.492	9.898	8.371	4.160	3.929

Run	Time	208Pb	209Bi	220Bkg
1	17:10:27	222788.8100	1442468.7000	0.0000
2	17:11:04	232221.1400	1504345.9000	0.0000
3	17:11:41	240045.7300	1545329.8000	0.0000
4	17:12:18	245148.6000	1573986.9000	0.0000
5	17:12:55	247653.5600	1598906.6000	0.0000
x		237571.5700	1533007.6000	0.0000
%RSD		4.274	4.020	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:15:53	198786.3500	19.1667	TM 21766392.0000	TM 2875309.3000	TM 3309250.7000	54329.0230	TM 2839461.3000	493570.0200
2	17:16:30	192747.7800	15.8333	TM 21697817.0000	TM 2823192.4000	TM 3203426.6000	53944.0340	TM 2863592.4000	494420.8000
3	17:17:07	195887.2300	23.3334	TM 21853644.0000	TM 2844356.4000	TM 3210287.9000	54907.7980	TM 2933228.7000	494909.8300
4	17:17:43	198176.2400	21.6667	TM 22340508.0000	TM 2860829.9000	TM 3205713.7000	55111.6370	TM 2956020.6000	501332.1800
5	17:18:20	197323.0100	20.0000	TM 22475491.0000	TM 2899056.4000	TM 3228904.9000	55199.7170	TM 2962138.7000	502754.1200
x		196584.1200	20.0000	TM 22026770.0000	TM 2860548.9000	TM 3231516.8000	54698.4420	TM 2910888.4000	497397.3900
%RSD		1.223	14.130	TM 1.614	TM 1.013	TM 1.380	0.989	TM 1.921	0.864

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:15:53	1092.5716	22014.0390	2202.7911	9480.3896	517395.8000	247202.9700	39666.6830	2310.3202
2	17:16:30	1005.0606	22743.4940	2255.3051	9525.4409	525377.7000	248127.3400	37137.5680	2165.2813
3	17:17:07	947.5539	24187.5510	2035.2485	9700.6429	531290.4700	250089.7100	35806.7630	2097.7640
4	17:17:43	995.0594	24899.6440	2147.7767	9870.8426	540641.5800	249108.4700	35563.2230	2257.8058
5	17:18:20	937.5527	25165.4410	2245.3024	10023.5250	543149.5400	252554.9100	35236.8410	2302.8181
x		995.5597	23802.0340	2177.2848	9720.1681	531571.0200	249416.6800	36682.2150	2226.7979
%RSD		6.186	5.764	4.134	2.360	2.008	0.826	4.956	4.149

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:15:53	3790.8620	12426.7590	6324.8994	409891.1800	4125.1874	827.5411	95.0005	54.1668
2	17:16:30	3330.6655	12987.6130	6247.3409	415701.1300	4173.5448	784.2036	90.0005	59.1669
3	17:17:07	3360.6775	12624.5560	6314.8918	415065.6000	4422.0063	822.5406	103.3340	71.6670
4	17:17:43	3420.7019	12909.9920	6362.4279	422319.2500	4390.3229	816.7067	80.0004	58.3335
5	17:18:20	3413.1989	12844.8920	6089.7243	423467.9000	4348.6343	760.0347	116.6675	58.3335
x		3463.2212	12758.7620	6267.8568	417289.0100	4291.9392	802.2053	97.0006	60.3336
%RSD		5.397	1.800	1.721	1.343	3.118	3.617	14.293	10.989

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:15:53	923683.3500	447.5120	175.0018	442.5118	2304.0685	5817.0296	1096160.0000	192.5022
2	17:16:30	949835.0900	506.2654	177.5019	558.7687	2480.3691	5983.3973	1129503.3000	190.0022
3	17:17:07	966259.6800	651.2755	190.0022	535.0172	2571.6467	6033.4333	1157586.3000	170.0017
4	17:17:43	972471.2500	536.2672	187.5021	545.0178	2570.3964	6149.7683	1167155.9000	170.0017
5	17:18:20	984901.9200	597.5214	217.5028	525.0165	2650.4214	6223.5731	1182365.4000	200.0024
x		959430.2600	547.7683	189.5022	521.2664	2515.3804	6041.4403	1146554.2000	184.5021
%RSD		2.464	14.460	8.919	8.779	5.271	2.600	2.977	7.446

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:15:53	13701.2540	20951.3040	36750.8590	1976222.7000	1365.1118	3193.1116	89839.1680	78773.0600
2	17:16:30	14467.5480	21572.8870	37674.9720	2048095.9000	1576.3991	3579.5186	93855.5720	81812.1320
3	17:17:07	15011.0080	22036.5980	38343.0090	T 2156735.4000	1631.4097	3850.8896	96700.3210	85860.0500
4	17:17:43	14935.8730	21888.7090	38985.9820	2132566.2000	1551.3944	3515.7415	98154.6760	85544.3280
5	17:18:20	15915.1830	22410.0920	39824.9350	2152192.5000	1568.8977	3829.6298	99184.2590	86670.8790
x		14806.1730	21771.9180	38315.9510	T 2093162.5000	1538.6425	3593.7782	95546.7990	83732.0900
%RSD		5.470	2.520	3.084	T 3.761	6.598	7.474	3.944	3.994

Run	Time	208Pb	209Bi	220Bkg
1	17:15:53	195581.0000	1335235.8000	0.0000
2	17:16:30	204688.3400	1400709.0000	0.0000
3	17:17:07	212043.8600	1437117.8000	0.0000
4	17:17:43	213818.3500	1469455.7000	0.0000
5	17:18:20	217350.4900	1470160.3000	0.0000
x		208696.4100	1422535.7000	0.0000
%RSD		4.153	3.973	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:21:19	200741.5600	21.6667	TM 22222059.0000	TM 2945712.3000	TM 3321715.4000	46987.0950	TM 2898843.8000	504159.0500
2	17:21:55	199748.9600	11.6667	TM 22609630.0000	TM 2969844.7000	TM 3348474.5000	48362.4290	TM 2986821.2000	511751.5200
3	17:22:32	200913.1200	20.8334	TM 22781670.0000	TM 2964111.9000	TM 3322287.2000	49307.9460	TM 3022387.7000	516510.8500
4	17:23:09	200223.4800	20.0000	TM 22759185.0000	TM 2941950.9000	TM 3302709.6000	48576.1670	TM 3021074.8000	513148.6300
5	17:23:45	203674.7900	18.3334	TM 23063951.0000	TM 2970547.2000	TM 3358217.5000	50648.4500	TM 3049433.4000	518595.8000
x		201060.3800	18.5000	TM 22687299.0000	TM 2958433.4000	TM 3330680.9000	48776.4170	TM 2995712.2000	512833.1700
%RSD		0.762	21.697	TM 1.356	TM 0.461	TM 0.673	2.751	TM 1.954	1.082

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:21:19	1172.5825	26263.8220	2312.8209	8817.1621	487957.2700	235717.2700	40616.2400	2145.2761
2	17:21:55	1055.0668	26895.8330	2287.8140	8744.5857	496839.7400	235634.9900	36396.8100	2222.7964
3	17:22:32	950.0542	27557.9910	2385.3413	8762.1040	506713.4600	237087.8300	35821.8270	2225.2971
4	17:23:09	1025.0630	28032.0690	2222.7964	8984.8410	503117.6000	239173.6900	36120.6130	2197.7898
5	17:23:45	920.0508	28084.7460	2320.3230	8864.7125	513189.8000	241074.8000	35568.2440	2227.7977
x		1024.5635	27366.8920	2305.8191	8834.6811	501563.5800	237737.7200	36904.7470	2203.7914
%RSD		9.676	2.850	2.547	1.091	1.922	0.989	5.685	1.582

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:21:19	3653.3006	11900.9920	5974.6410	381434.2100	4088.5027	884.2136	78.3337	53.3335
2	17:21:55	3535.7499	11978.6030	5877.0717	388743.1000	4289.4370	868.3786	109.1674	60.8336
3	17:22:32	3380.6856	12011.1500	6002.1608	391068.1900	4415.3361	840.8758	101.6673	72.5003
4	17:23:09	3475.7247	12294.0620	6209.8128	395256.5100	4433.6791	838.3755	91.6672	69.1670
5	17:23:45	3530.7478	12541.9310	5939.6160	400980.4700	4452.0222	834.2084	96.6672	67.5003
x		3515.2417	12145.3480	6000.6605	391496.5000	4335.7954	853.2104	95.5006	64.6669
%RSD		2.823	2.197	2.098	1.864	3.511	2.571	12.116	11.797

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:21:19	950363.0000	392.5092	170.0017	352.5075	2324.0740	5559.3538	1128822.1000	87.5005
2	17:21:55	978356.5400	473.7635	185.0021	395.0094	2365.3356	5634.4041	1157023.0000	45.0001
3	17:22:32	991903.9900	548.7681	192.5022	546.2679	2436.6062	5834.5418	1182331.0000	85.0004
4	17:23:09	994685.5900	550.0181	170.0017	490.0144	2512.8788	5814.5278	1192039.1000	87.5005
5	17:23:45	1005520.0000	565.0192	145.0013	561.2689	2466.6150	5928.3580	1207733.9000	80.0004
x		984165.8300	506.0156	172.5018	469.0136	2421.1019	5754.2371	1173589.8000	77.0004
%RSD		2.157	14.377	10.551	19.649	3.150	2.646	2.647	23.570

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:21:19	14287.2370	21520.2510	37848.2550	2017940.4000	1358.8608	3395.6917	66612.6750	58207.5800
2	17:21:55	14515.1300	22239.6370	38792.5820	2084023.9000	1491.3834	3712.0766	69400.2860	60508.8850
3	17:22:32	14652.8710	22545.4570	39101.5210	2122965.4000	1547.6437	3865.8965	70963.3670	62052.6750
4	17:23:09	14833.1900	22294.7840	39485.8270	T 2202058.7000	1612.6560	3869.6482	72173.6950	62647.0980
5	17:23:45	15221.3890	22913.9600	40739.3390	T 2225414.6000	1587.6512	3809.6206	73154.6930	63445.6050
x		14701.9630	22302.8180	39193.5050	T 2130480.6000	1519.6390	3730.5867	70460.9430	61372.3680
%RSD		2.396	2.296	2.692	T 3.998	6.639	5.300	3.644	3.374

Run	Time	208Pb	209Bi	220Bkg
1	17:21:19	145758.6800	1365698.8000	2.5000
2	17:21:55	151262.9800	1421170.9000	2.5000
3	17:22:32	152640.2600	1455915.2000	0.0000
4	17:23:09	155163.7200	1471384.6000	0.0000
5	17:23:45	158513.3900	1489418.1000	0.0000
x		152667.8100	1440717.5000	1.0000
%RSD		3.109	3.392	136.931

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:26:42	202967.0000	115228.6900	651207.4900	88022.4350	99095.7150	490272.4000	18751.0720	515930.2400
2	17:27:18	202108.1700	113934.4100	654177.0900	86542.0500	99551.0950	487835.4400	19680.7120	517751.9300
3	17:27:55	201487.5700	111939.3100	664892.3300	88022.4350	101651.2200	487665.9400	19983.9330	518042.9500
4	17:28:32	195989.5900	109502.2500	651499.0000	88406.4680	99692.7730	482791.5500	20019.0170	515335.0500
5	17:29:09	197113.1300	109595.9700	664524.6700	86794.6570	97709.4900	481926.0400	19467.7130	514729.2800
x		199933.0900	112040.1200	657260.1200	87557.6090	99540.0590	486098.2800	19580.4890	516357.8900
%RSD		1.579	2.283	1.050	0.950	1.423	0.736	2.636	0.285

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:26:42	555.0185	694171.3700	671721.2200	73530.4790	901841.6000	1239203.5000	27472.7100	906304.0000
2	17:27:18	485.0141	695316.1600	681829.7400	74342.6370	917586.7900	1250949.7000	27736.0810	905581.4100
3	17:27:55	395.0094	699956.5400	683335.9200	75117.0350	917305.7300	1259983.6000	28824.7660	910457.2300
4	17:28:32	375.0084	695047.5800	677296.5000	73883.5810	915958.9700	1253039.0000	28313.0160	901788.8200
5	17:29:09	365.0080	698683.5800	680380.6900	74034.9160	917021.8900	1247864.4000	28187.5920	910968.8700
x		435.0117	696635.0500	678912.8200	74181.7300	913942.9900	1250208.1000	28106.8330	907020.0700
%RSD		18.888	0.363	0.677	0.807	0.743	0.607	1.869	0.417

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:26:42	201932.3100	499706.2500	238247.7200	149348.9200	120301.2900	33621.8560	13666.1970	47.5001
2	17:27:18	201340.7500	494790.5500	237730.7700	150837.8800	122013.4100	33756.5650	13955.0080	52.5002
3	17:27:55	200060.4700	497502.5900	237615.0400	152365.2900	122416.7600	34099.6250	14033.4730	46.6668
4	17:28:32	199294.9500	497086.3200	234475.4600	151262.9800	122234.1100	34133.0950	13910.7680	52.5002
5	17:29:09	200139.8400	496821.1800	236496.3800	150534.9800	121722.5400	33949.0120	14062.6890	53.3335
x		200553.6600	497181.3800	236913.0700	150870.0100	121737.6200	33912.0300	13925.6270	50.5002
%RSD		0.530	0.353	0.635	0.727	0.693	0.649	1.129	6.240

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:26:42	979623.1900	732294.8900	10268.8230	711822.4800	154376.8100	371437.4900	1182445.7000	47.5001
2	17:27:18	1000479.0000	744465.6300	10248.7980	727341.7700	159300.6900	381721.9500	1216658.0000	30.0001
3	17:27:55	1014654.1000	759704.3900	10171.2030	735683.4800	161476.9800	387355.6800	1237169.4000	35.0001
4	17:28:32	1008010.7000	758564.7600	10699.3640	734736.4000	161321.5100	384548.8200	1234250.3000	45.0001
5	17:29:09	1009759.7000	759565.0000	10584.2170	737800.1500	161677.0500	388360.8900	1241474.7000	50.0001
x		1002505.3000	750918.9300	10394.4810	729476.8600	159630.6100	382684.9600	1222399.6000	41.5001
%RSD		1.373	1.629	2.235	1.457	1.935	1.777	1.984	20.693

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:26:42	430373.5300	95458.6270	169646.9000	2002688.8000	704684.9500	1744643.8000	596570.8800	475423.0000
2	17:27:18	444878.7900	98245.7400	172971.7100	2072402.4000	730416.5400	1820566.3000	623967.1000	500385.2300
3	17:27:55	453342.1100	99181.7290	178212.9300	τ2183313.4000	749491.3000	1862499.4000	635719.9600	510942.8400
4	17:28:32	453386.9600	99057.7680	176154.8600	2126839.5000	761318.4400	1867291.7000	642687.6700	513946.8900
5	17:29:09	459165.8300	99138.7220	178154.1900	τ2194314.9000	757626.1100	1882415.6000	645907.9200	515099.9100
x		448229.4500	98216.5170	175028.1200	τ2115911.8000	740707.4700	1835483.4000	628970.7100	503159.5700
%RSD		2.500	1.618	2.106	τ3.775	3.160	3.036	3.175	3.291

Run	Time	208Pb	209Bi	220Bkg
1	17:26:42	1219447.5000	1481562.4000	0.0000
2	17:27:18	1275719.8000	1551415.4000	0.0000
3	17:27:55	1308767.1000	1592090.1000	0.0000
4	17:28:32	1314692.7000	1598005.9000	0.0000
5	17:29:09	1317824.4000	1602639.7000	0.0000
x		1287290.3000	1565142.7000	0.0000
%RSD		3.222	3.256	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:32:05	204067.5600	16.6667	340.0069	30.0001	80.0004	2077.7590	517.5161	515297.8500
2	17:32:42	207166.8000	25.8334	1640.1614	210.0027	285.0049	2460.3631	587.5207	524803.1400
3	17:33:19	202446.2200	36.6667	3880.9035	570.0195	525.0165	3075.5674	942.5533	528369.5000
4	17:33:56	207015.6100	35.8334	4206.0612	520.0162	625.0234	2772.9613	897.5483	535962.0900
5	17:34:32	203416.9400	49.1668	5131.5795	700.0294	775.0360	3378.1846	1027.5633	538015.8000
x		204822.6300	32.8334	3039.7425	406.0136	458.0163	2752.9671	794.5404	528489.6800
%RSD		1.050	37.328	65.157	68.139	60.359	18.494	28.591	1.730

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:32:05	515.0159	637.5244	1050.0662	2122.7703	102.5006	102428.1500	1285.0991	30.0001
2	17:32:42	492.5146	630.0238	1147.5790	2385.3413	252.5038	102668.5800	1335.1069	60.0002
3	17:33:19	405.0098	697.5292	1185.0843	2432.8551	395.0094	103316.5100	1262.5956	195.0023
4	17:33:56	375.0084	712.5305	1185.0843	2262.8072	392.5092	103964.5000	1385.1151	155.0014
5	17:34:32	332.5066	700.0294	1305.1022	2337.8279	442.5118	104554.3100	1372.6130	265.0042
x		424.0111	675.5275	1174.5832	2308.3204	317.0070	103386.4100	1328.1060	141.0016
%RSD		18.310	5.718	7.790	5.253	43.968	0.857	4.023	68.551

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:32:05	17.5000	445.0119	150.0014	225.0030	22.5000	870.0454	39.1668	31.6667
2	17:32:42	37.5001	535.0172	160.0015	227.5031	33.3334	816.7067	37.5001	39.1668
3	17:33:19	42.5001	645.0250	170.0017	347.5073	46.6668	817.5401	55.0002	45.0001
4	17:33:56	60.0002	525.0165	230.0032	307.5057	38.3334	828.3745	50.0001	36.6667
5	17:34:32	90.0005	497.5149	182.5020	315.0060	42.5001	816.7067	56.6669	36.6667
x		49.5002	529.5171	178.5020	284.5050	36.6668	829.8747	47.6668	37.8334
%RSD		55.025	13.864	17.482	19.426	25.461	2.771	18.642	12.806

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:32:05	984223.3300	96.2506	7.5000	111.2507	3.7500	13.7500	1184788.6000	15.0000
2	17:32:42	1012423.1000	122.5009	2.5000	121.2509	13.7500	33.7501	1229997.5000	27.5000
3	17:33:19	1023403.3000	185.0021	5.0000	173.7518	25.0000	90.0005	1244806.2000	10.0000
4	17:33:56	1038783.2000	197.5023	2.5000	161.2516	37.5001	70.0003	1257881.1000	17.5000
5	17:34:32	1048841.3000	196.2523	5.0000	161.2516	45.0001	88.7505	1275143.3000	10.0000
x		1021534.8000	159.5016	4.5000	145.7513	25.0001	59.2503	1238523.3000	16.0000
%RSD		2.458	29.431	46.481	18.961	67.361	57.557	2.772	45.015

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:32:05	930.0519	2.5000	2.5000	2003727.2000	92.5005	192.5022	97.5006	57.5002
2	17:32:42	1147.5790	20.0000	20.0000	τ2136210.0000	148.7513	347.5073	150.0014	107.5007
3	17:33:19	1092.5716	32.5001	50.0001	2109496.3000	248.7537	602.5218	240.0035	200.0024
4	17:33:56	1010.0612	27.5000	72.5003	τ2204764.5000	220.0029	550.0181	202.5025	167.5017
5	17:34:32	900.0486	50.0001	112.5008	τ2226998.9000	298.7554	612.5225	297.5053	255.0039
x		1016.0625	26.5001	51.5003	τ2136239.4000	201.7528	461.0144	197.5026	157.5018
%RSD		10.327	65.564	84.402	τ4.135	40.493	39.980	39.292	49.091

Run	Time	208Pb	209Bi	220Bkg
1	17:32:05	180.0019	1484152.1000	0.0000
2	17:32:42	282.5048	1544061.2000	2.5000
3	17:33:19	425.0108	1577600.5000	0.0000
4	17:33:56	407.5100	1602805.0000	0.0000
5	17:34:32	472.5134	1622297.4000	0.0000
x		353.5082	1566183.2000	0.5000
%RSD		33.868	3.474	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:37:29	197525.2200	21.6667	TM 20931159.0000	TM 2820133.4000	TM 3194186.7000	16085.5100	TM 2725672.3000	487687.1300
2	17:38:07	198538.8900	30.8334	TM 21750999.0000	TM 2861962.8000	TM 3239105.4000	16588.9950	TM 2836271.0000	496736.3400
3	17:38:43	202791.1300	30.8334	TM 22129219.0000	TM 2879773.2000	TM 3264949.6000	17555.9730	TM 2871456.7000	501138.5300
4	17:39:20	201496.9600	27.5000	TM 22247144.0000	TM 2891782.7000	TM 3263668.8000	16699.2150	TM 2914782.4000	505350.5700
5	17:39:57	198910.9400	24.1667	TM 22093530.0000	TM 2879184.0000	TM 3210265.0000	17398.1430	TM 2910239.8000	504444.3100
x		199852.6300	27.0000	TM 21830410.0000	TM 2866567.2000	TM 3234435.1000	16865.5670	TM 2851684.4000	499071.3800
%RSD		1.101	15.057	TM 2.453	TM 0.978	TM 0.979	3.598	TM 2.712	1.444

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:37:29	827.5411	23686.1140	2105.2659	3328.1645	521319.3500	140824.9300	35678.7150	3655.8017
2	17:38:07	922.5511	25253.2060	2087.7615	3498.2341	536179.1600	140519.8400	33893.7870	3563.2616
3	17:38:43	975.0570	25922.7570	2067.7565	3588.2724	544351.8100	141369.0300	32919.8950	3623.2875
4	17:39:20	862.5446	27422.5460	2167.7819	3628.2897	555721.6900	142375.9500	32372.7580	3688.3160
5	17:39:57	897.5483	27650.7980	2167.7819	3575.7670	552999.2400	140092.7400	30776.7280	3548.2552
x		897.0484	25987.0840	2119.2695	3523.7455	542114.2500	141036.5000	33128.3770	3615.7844
%RSD		6.296	6.284	2.181	3.379	2.570	0.625	5.491	1.650

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:37:29	3608.2810	7903.7464	3710.8260	405055.6300	3437.3755	834.2084	85.0004	54.1668
2	17:38:07	3455.7164	8249.0808	3930.9269	416520.5600	3645.7973	845.0428	113.3341	46.6668
3	17:38:43	3320.6615	7963.8035	3835.8826	420624.1700	3819.2083	828.3745	108.3340	55.8335
4	17:39:20	3475.7247	7998.8370	4088.5027	427772.0900	3895.0768	852.5436	95.0005	64.1669
5	17:39:57	3423.2030	7841.1873	4003.4614	424380.0900	3852.5570	839.2089	90.8338	59.1669
x		3456.7173	7991.3310	3913.9199	418870.5100	3730.0030	839.8757	98.5006	56.0002
%RSD		2.998	1.953	3.749	2.098	5.068	1.117	12.119	11.546

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:37:29	907568.6600	141.2512	135.0011	125.0009	2125.2710	5257.9082	1066436.0000	37.5001
2	17:38:07	937754.9700	167.5017	180.0019	146.2513	2341.5789	5341.7115	1110631.4000	52.5002
3	17:38:43	960815.9000	212.5027	120.0009	186.2521	2355.3328	5546.8454	1146501.8000	50.0001
4	17:39:20	973162.9400	213.7527	192.5022	170.0017	2362.8349	5598.1297	1169617.9000	72.5003
5	17:39:57	978025.9000	202.5025	195.0023	187.5021	2434.1054	5753.2353	1169695.2000	72.5003
x		951465.6800	187.5022	164.5017	163.0016	2323.8246	5499.5660	1132576.5000	57.0002
%RSD		3.055	17.030	21.070	16.560	5.019	3.632	3.899	26.751

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:37:29	12674.6310	20392.4210	36173.3410	1887049.3000	1306.3524	2996.7887	10336.4070	9277.6616
2	17:38:07	13195.4390	21587.9260	37808.0730	1996341.9000	1348.8592	3366.9300	10957.1990	9615.5443
3	17:38:43	13571.0410	21640.5620	39191.9440	2068588.6000	1611.4058	3687.0655	11492.9200	9948.4347
4	17:39:20	13711.2710	23074.4020	39586.3020	2105217.0000	1546.3935	3708.3249	11640.6250	10056.0640
5	17:39:57	13733.8080	22863.8220	40319.8060	2108344.6000	1537.6418	3620.7864	11753.2830	10113.6330
x		13377.2380	21911.8270	38615.8930	2033108.3000	1470.1305	3475.9791	11236.0860	9802.2676
%RSD		3.349	4.971	4.254	4.588	9.117	8.643	5.236	3.581

Run	Time	208Pb	209Bi	220Bkg
1	17:37:29	22618.1530	1290132.7000	0.0000
2	17:38:07	24232.6820	1363240.9000	0.0000
3	17:38:43	25343.4790	1409354.9000	0.0000
4	17:39:20	25481.3990	1434019.6000	0.0000
5	17:39:57	25834.9850	1439466.1000	0.0000
x		24702.1400	1387242.8000	0.0000
%RSD		5.304	4.474	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:42:54	201452.5700	18.3334	T 9367039.7000	T 1258961.8000	T 1428522.7000	7585.9512	M 1075179.9000	503808.7900
2	17:43:31	199754.0800	27.5000	T 9515044.2000	T 1274098.4000	1468100.0000	7843.6897	M 1108967.6000	509398.7300
3	17:44:08	199189.1300	25.0000	T 9612786.4000	T 1274732.8000	T 1434400.5000	8456.7889	M 1125043.7000	515061.3900
4	17:44:44	199716.5300	23.3334	T 9667267.6000	1299527.1000	T 1434331.9000	8319.1504	M 1132482.4000	515106.5500
5	17:45:21	197145.5500	25.8334	T 9835249.2000	1322564.7000	T 1452720.2000	8807.1515	M 1144565.8000	519385.2600
x		199451.5700	24.0000	T 9599477.4000	T 1285977.0000	T 1443615.1000	8202.5463	M 1117247.9000	512552.1500
%RSD		0.775	14.608	T 1.816	T 1.952	T 1.139	5.950	M 2.401	1.178

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:42:54	1337.6073	42882.5520	2535.3856	4248.5828	130519.1700	141371.5700	16235.8010	1047.5658
2	17:43:31	1222.5897	43262.0050	2492.8728	4531.2316	135924.5600	143683.1000	15008.5030	1230.0908
3	17:44:08	1050.0662	44357.7430	2507.8773	4653.7991	137998.2300	144840.3800	14382.4010	1100.0726
4	17:44:44	1105.0733	44699.5620	2612.9096	4593.7658	137944.8500	145008.2600	14372.3830	1212.5882
5	17:45:21	1072.5690	45222.3720	2555.3917	4748.8527	137040.1100	144176.5200	14039.3160	1252.5941
x		1157.5811	44084.8470	2540.8874	4555.2464	135885.3900	143815.9700	14807.6810	1168.5823
%RSD		10.418	2.231	1.848	4.155	2.293	1.019	5.888	7.668

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:42:54	1195.0857	1625.1585	925.0513	15797.4590	6752.7349	815.8733	64.1669	48.3335
2	17:43:31	1045.0655	1785.1912	987.5585	16303.4330	7014.6177	776.7029	72.5003	45.8335
3	17:44:08	1135.0773	1890.2144	1017.5621	16318.4620	7103.8599	744.1999	76.6670	55.0002
4	17:44:44	1207.5875	1822.6993	982.5579	16381.0850	7099.6897	730.0320	69.1670	41.6668
5	17:45:21	1062.5677	1817.6982	920.0508	16551.4210	7116.3706	738.3660	66.6669	35.8334
x		1129.0767	1788.1923	966.5561	16270.3720	7017.4546	761.0348	69.8336	45.3335
%RSD		6.574	5.526	4.385	1.734	2.186	4.651	7.029	15.845

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:42:54	931960.8400	113.7508	7.5000	100.0006	22.5000	46.2501	1126029.5000	40.0001
2	17:43:31	957776.5700	155.0014	2.5000	112.5008	37.5001	75.0003	1169815.5000	45.0001
3	17:44:08	971726.4100	222.5030	10.0000	256.2539	33.7501	101.2506	1195676.7000	42.5001
4	17:44:44	981136.6900	246.2536	10.0000	216.2528	52.5002	93.7505	1206115.2000	45.0001
5	17:45:21	985232.8300	266.2543	7.5000	220.0029	40.0001	102.5006	1213857.8000	57.5002
x		965566.6700	200.7526	7.5000	181.0022	37.2501	83.7504	1182298.9000	46.0001
%RSD		2.232	31.989	40.825	38.753	29.100	28.260	3.010	14.684

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:42:54	9913.3930	45320.4020	80269.7410	1967168.4000	243.7536	658.7760	12774.7840	10416.5060
2	17:43:31	10616.7590	46785.9680	82410.4840	T 2088608.1000	313.7559	795.0379	13505.9360	11250.0890
3	17:44:08	10736.9120	47733.8210	83647.7200	2100118.7000	417.5105	1022.5627	12980.1010	11900.9920
4	17:44:44	10982.2320	48636.5180	85587.2650	T 2167131.6000	442.5118	961.3054	13691.2380	11908.5030
5	17:45:21	10907.1330	48699.3830	86168.2060	T 2176940.4000	413.7603	907.5494	13871.5360	12013.6530
x		10631.2860	47435.2180	83616.6830	T 2099993.4000	366.2584	869.0463	13364.7190	11497.9490
%RSD		4.007	2.986	2.871	T 3.998	23.031	16.601	3.508	5.879

Run	Time	208Pb	209Bi	220Bkg
1	17:42:54	27151.6610	1422004.2000	0.0000
2	17:43:31	28047.1190	1482644.4000	0.0000
3	17:44:08	29514.6750	1511660.6000	0.0000
4	17:44:44	29587.4320	1524852.7000	0.0000
5	17:45:21	29913.5930	1559605.2000	0.0000
x		28842.8960	1500153.4000	0.0000
%RSD		4.119	3.446	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:48:19	201348.4400	9.1667	TM 21853142.0000	TM 2907236.5000	TM 3303350.0000	12436.7730	TM 2824258.0000	494199.4800
2	17:48:56	199271.9100	12.5000	TM 22178319.0000	TM 2932207.3000	TM 3305019.6000	11976.0990	TM 2898594.4000	498347.1300
3	17:49:33	197032.9400	14.1667	TM 22383906.0000	TM 2937509.6000	TM 3319268.2000	12279.0400	TM 2933583.1000	497128.7400
4	17:50:10	198616.5400	16.6667	TM 22549630.0000	TM 2941293.7000	TM 3276202.1000	12186.4040	TM 2942852.2000	497843.3100
5	17:50:46	197899.7800	10.8333	TM 22578888.0000	TM 2973515.5000	TM 3316821.0000	11986.1140	TM 2995460.1000	505953.0300
x		198833.9200	12.6667	TM 22308777.0000	TM 2938352.5000	TM 3304132.2000	12172.8860	TM 2918949.6000	498694.3400
%RSD		0.822	22.979	TM 1.347	TM 0.807	TM 0.518	1.616	TM 2.168	0.875

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:48:19	880.0465	25040.0640	2257.8058	3695.8194	504648.6400	149450.7200	38626.8150	2825.4789
2	17:48:56	912.5500	26351.5990	2315.3216	3960.9411	516763.3000	148302.9900	35279.5210	2680.4310
3	17:49:33	800.0384	27154.1690	2127.7716	3895.9105	520492.4900	146130.1000	33507.2290	2712.9415
4	17:50:10	882.5467	28363.1860	2252.8045	3865.8965	523305.7300	145890.9700	33223.5970	2600.4057
5	17:50:46	805.0389	28255.3210	2190.2878	3970.9459	528687.5000	143403.3500	32711.5770	2595.4041
x		856.0441	27032.8680	2228.7983	3877.9027	518779.5300	146635.6300	34669.7480	2682.9322
%RSD		5.902	5.137	3.219	2.859	1.738	1.598	6.963	3.521

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:48:19	3598.2767	7976.3155	4083.5003	372555.7800	3551.5900	880.8799	92.5005	63.3336
2	17:48:56	3640.7951	8041.3780	3903.4140	378646.2900	3708.3249	805.8723	99.1673	55.8335
3	17:49:33	3545.7542	7833.6803	4065.9917	381999.2300	3743.3406	830.8748	95.8339	52.5002
4	17:50:10	3480.7268	8259.0907	3975.9483	385175.5400	3853.3907	844.2094	98.3339	57.5002
5	17:50:46	3385.6876	8018.8563	4106.0113	387368.7700	3742.5069	773.3692	104.1673	45.0001
x		3530.2481	8025.8641	4026.9731	381149.1200	3719.8306	827.0411	98.0006	54.8335
%RSD		2.848	1.911	2.108	1.528	2.925	4.888	4.402	12.319

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:48:19	921909.6200	123.7509	195.0023	90.0005	2142.7755	5096.5580	1090783.3000	40.0001
2	17:48:56	943703.6400	138.7512	192.5022	108.7507	2125.2710	5355.4703	1117605.5000	35.0001
3	17:49:33	952382.7400	181.2520	165.0016	166.2517	2195.2891	5414.2583	1140255.6000	32.5001
4	17:50:10	968011.5800	156.2515	172.5018	150.0014	2407.8478	5414.2583	1152366.7000	67.5003
5	17:50:46	970631.6800	160.0015	177.5019	136.2511	2245.3024	5379.2356	1158861.7000	55.0002
x		951327.8500	152.0014	180.5020	130.2511	2223.2972	5331.9561	1131974.5000	46.0001
%RSD		2.086	14.381	7.157	23.678	5.100	2.512	2.463	32.290

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:48:19	12945.0470	20402.4450	36632.8410	T 1999207.7000	1356.3604	3138.0907	9593.0184	8424.2559
2	17:48:56	13155.3760	21237.0260	37333.4400	2007982.3000	1373.8632	3183.1078	9800.7599	8434.2661
3	17:49:33	13500.9280	21339.7880	37918.5730	2050293.2000	1471.3799	3501.9857	10016.0160	8677.0151
4	17:50:10	13989.2320	21688.1860	38518.8170	T 2143295.1000	1436.3738	3564.5122	10283.8420	9129.9987
5	17:50:46	13896.5770	22059.1580	39186.9210	T 2163500.1000	1477.6310	3573.2659	10656.8100	9347.7399
x		13497.4320	21345.3210	37918.1180	T 2072855.7000	1423.1217	3392.1925	10070.0890	8802.6551
%RSD		3.361	2.895	2.626	T 3.684	3.906	6.302	4.133	4.749

Run	Time	208Pb	209Bi	220Bkg
1	17:48:19	20184.4150	1301818.1000	0.0000
2	17:48:56	21545.3160	1369526.0000	0.0000
3	17:49:33	21680.6660	1404774.4000	0.0000
4	17:50:10	22116.8100	1432050.1000	0.0000
5	17:50:46	23024.2630	1447229.2000	0.0000
x		21710.2940	1391079.6000	0.0000
%RSD		4.747	4.169	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:53:44	202901.2600	15.0000	TM 22177977.0000	TM 2968507.8000	TM 3356113.4000	20512.7150	TM 2871272.9000	496226.0000
2	17:54:21	202187.5600	12.5000	TM 22443313.0000	TM 2961211.4000	TM 3327113.0000	20610.4560	TM 2912603.0000	502915.9600
3	17:54:58	205700.3100	11.6667	TM 22924658.0000	TM 2989898.4000	TM 3382163.5000	20785.8910	TM 2970882.6000	510536.5400
4	17:55:34	201705.2400	10.8333	TM 22878067.0000	TM 2948363.5000	TM 3383192.7000	21146.7970	TM 2976961.4000	508892.9400
5	17:56:11	203178.7300	16.6667	TM 22989287.0000	TM 3002791.6000	TM 3395840.3000	20773.3600	TM 3030238.8000	508936.7500
x		203134.6200	13.3333	TM 22682660.0000	TM 2974154.5000	TM 3368884.6000	20765.8440	TM 2952391.8000	505501.6400
%RSD		0.762	18.222	TM 1.563	TM 0.739	TM 0.815	1.164	TM 2.086	1.176

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:53:44	1072.5690	28393.2880	2127.7716	3373.1826	481695.7900	143538.1400	37195.3250	4093.5052
2	17:54:21	1007.5609	29577.3960	2385.3413	3590.7735	486275.6200	143273.6400	35081.1860	4093.5052
3	17:54:58	875.0459	30254.8220	2217.7951	3583.2702	492866.4000	144451.2100	34287.8950	3983.4518
4	17:55:34	890.0475	30932.3020	2305.3188	3495.7331	495310.1000	144555.5000	33072.9990	3973.4471
5	17:56:11	720.0311	30698.9420	2197.7898	3645.7973	496298.9000	142576.8400	31710.2180	3923.4234
x		913.0509	29971.3500	2246.8033	3537.7513	490489.3600	143679.0700	34269.5250	4013.4665
%RSD		14.857	3.410	4.452	3.012	1.280	0.578	6.051	1.907

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:53:44	3630.7908	7948.7892	4141.0286	352839.9000	3730.0013	906.7160	97.5006	52.5002
2	17:54:21	3833.3815	8016.3539	4231.0738	358112.8300	3927.5920	805.8723	96.6672	44.1668
3	17:54:58	3655.8017	8106.4409	4166.0411	361776.0800	3860.0605	838.3755	86.6671	56.6669
4	17:55:34	3800.8666	8491.8245	4206.0612	361807.3900	3799.1992	770.0356	84.1671	73.3337
5	17:56:11	3428.2050	8161.4946	4133.5249	364179.9600	3797.5317	777.5363	101.6673	59.1669
x		3669.8091	8144.9806	4175.5459	359743.2300	3822.8769	819.7071	93.3339	57.1669
%RSD		4.394	2.583	1.006	1.231	1.948	6.780	8.061	18.685

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:53:44	928978.8200	98.7506	145.0013	66.2503	1971.4832	5080.2981	1106766.8000	35.0001
2	17:54:21	960139.1600	97.5006	157.5015	105.0007	2186.5368	5120.3226	1133317.9000	67.5003
3	17:54:58	971992.4200	215.0028	120.0009	221.2529	2159.0296	5164.0996	1157603.5000	52.5002
4	17:55:34	970290.1200	212.5027	147.5013	207.5026	2071.5074	5105.3134	1160420.4000	70.0003
5	17:56:11	980393.9200	195.0023	167.5017	166.2517	2086.5112	5241.6480	1169205.6000	80.0004
x		962358.8900	163.7518	147.5013	153.2516	2095.0137	5142.3363	1145462.8000	61.0002
%RSD		2.078	36.887	12.045	43.325	4.019	1.231	2.217	28.776

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:53:44	12709.6850	20492.6660	36806.1020	1961423.3000	1323.8551	3186.8592	8549.3833	7781.1311
2	17:54:21	13240.5100	21482.6550	38345.5200	2036736.0000	1413.8699	3363.1785	9240.1200	8118.9531
3	17:54:58	13721.2870	22284.7570	38847.8390	T 2123624.2000	1486.3825	3692.0677	9507.9209	7938.7797
4	17:55:34	13546.0010	21991.4790	38872.9550	T 2149205.3000	1522.6391	3658.3028	9042.4032	7948.7892
5	17:56:11	14046.8290	22207.0500	39003.5640	2106447.6000	1400.1176	3557.0090	9598.0241	8209.0413
x		13452.8620	21691.7210	38375.1960	T 2075487.3000	1429.3729	3491.4835	9187.5703	7999.3389
%RSD		3.774	3.410	2.377	T 3.671	5.439	6.103	4.560	2.093

Run	Time	208Pb	209Bi	220Bkg
1	17:53:44	18620.7810	1332143.2000	0.0000
2	17:54:21	19758.3960	1382301.4000	2.5000
3	17:54:58	19998.9690	1418912.7000	0.0000
4	17:55:34	20349.8170	1434461.9000	0.0000
5	17:56:11	20820.9780	1444191.0000	0.0000
x		19909.7880	1402402.1000	0.5000
%RSD		4.139	3.265	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:59:10	221405.1500	522.5164	625.0234	90.0005	105.0007	2535.3856	562.5190	541746.2200
2	17:59:47	217991.0600	511.6824	2545.3887	270.0044	425.0108	2805.4722	747.5335	549972.1900
3	18:00:23	216971.6400	481.6806	8759.6014	1245.0930	1370.1126	2875.4960	1610.1555	544639.7400
4	18:01:00	218291.2700	466.6797	8259.0907	1070.0687	1230.0908	2827.9798	1435.1236	549189.2500
5	18:01:37	214920.3300	511.6824	13395.7580	1710.1755	1830.2010	2855.4891	2072.7577	549075.8800
x		217915.8900	498.8483	6716.9725	877.0684	992.0832	2779.9645	1285.6179	546924.6600
%RSD		1.081	4.722	76.520	77.639	71.461	5.010	48.571	0.653

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:59:10	570.0195	15121.2070	6652.6544	2280.3119	3760.8484	117621.7800	1390.1159	3520.7436
2	17:59:47	510.0156	15451.8120	6810.2817	2502.8758	3805.8689	117875.3200	1360.1110	3570.7649
3	18:00:23	402.5097	15369.1600	6687.6824	2445.3587	3855.8919	116397.2600	1367.6122	3575.7670
4	18:01:00	392.5092	15031.0440	6680.1764	2487.8713	3863.3953	116630.4900	1345.1086	3623.2875
5	18:01:37	380.0087	15118.7020	6625.1325	2542.8879	4088.5027	114924.5300	1310.1030	3618.2853
x		451.0126	15218.3850	6691.1855	2451.8611	3874.9014	116689.8800	1354.6101	3581.7697
%RSD		18.703	1.192	1.061	4.162	3.262	1.003	2.193	1.163

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:59:10	842.5426	4268.5930	2077.7590	1405.1185	515.8493	1642.6619	338.3402	42.5001
2	17:59:47	775.0360	4301.1097	2125.2710	1485.1323	548.3514	1570.1479	337.5068	47.5001
3	18:00:23	805.0389	4386.1540	2052.7528	1642.6619	515.8493	1523.4726	286.6716	54.1668
4	18:01:00	787.5372	4163.5398	2107.7665	1557.6456	536.6840	1539.3088	337.5068	45.8335
5	18:01:37	882.5467	4253.5853	2100.2646	1740.1817	563.3524	1510.1368	356.6743	33.3334
x		818.5403	4274.5964	2092.7628	1566.1480	536.0173	1557.1456	331.3400	44.6668
%RSD		5.363	1.885	1.344	8.368	3.861	3.390	7.931	17.079

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:59:10	1013163.0000	2915.5099	55.0002	2840.4840	628.7737	1413.8699	1210929.1000	32.5001
2	17:59:47	1045528.8000	2928.0143	50.0001	2845.4857	642.5248	1555.1451	1255990.2000	32.5001
3	18:00:23	1048606.9000	3076.8179	47.5001	2955.5240	621.2732	1581.4000	1270847.8000	25.0000
4	18:01:00	1068074.8000	3285.6476	42.5001	3084.3207	700.0294	1523.8893	1290401.2000	17.5000
5	18:01:37	1061278.1000	3303.1545	55.0002	3204.3660	618.7730	1553.8949	1298684.7000	37.5001
x		1047330.3000	3101.8289	50.0002	2986.0361	642.2748	1525.6398	1265370.6000	29.0001
%RSD		2.024	6.029	10.607	5.274	5.229	4.307	2.743	26.987

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:59:10	3335.6675	3663.3050	6650.1524	2037825.4000	2721.6944	6495.0301	2265.3079	1922.7218
2	17:59:47	3455.7164	3868.3977	6932.8827	↹2163589.1000	2751.7042	6811.5327	2417.8507	2077.7590
3	18:00:23	3695.8194	4013.4662	6877.8371	↹2200634.5000	2861.7413	6974.1671	2610.4088	1950.2282
4	18:01:00	3755.8462	4223.5700	6957.9035	↹2250550.6000	3045.5564	7124.2940	2522.8818	1950.2282
5	18:01:37	3650.7995	4296.1071	7103.0259	↹2256656.6000	3039.3041	7238.1421	2735.4489	2085.2609
x		3578.7698	4012.9692	6904.3603	↹2181851.3000	2884.0001	6928.6332	2510.3796	1997.2396
%RSD		4.929	6.446	2.385	↹4.083	5.331	4.195	7.166	3.895

Run	Time	208Pb	209Bi	220Bkg
1	17:59:10	4808.8871	1493737.3000	0.0000
2	17:59:47	5221.6354	1562538.7000	0.0000
3	18:00:23	5144.0872	1600597.3000	0.0000
4	18:01:00	5404.2518	1621046.7000	0.0000
5	18:01:37	5219.1338	1636274.7000	0.0000
x		5159.5991	1582838.9000	0.0000
%RSD		4.229	3.599	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:04:36	204170.0200	117556.7000	627707.9700	86612.7790	96606.7450	495357.8100	17716.3120	502771.3700
2	18:05:12	199347.0100	113700.4100	636250.7700	84986.1600	97411.0260	490285.6500	18563.1520	503348.4400
3	18:05:49	198788.9100	112950.3100	633114.9200	85112.4390	98271.0350	486402.7300	18508.0300	500621.2900
4	18:06:25	196683.1500	111188.5200	642196.9200	86607.7270	98063.6130	482397.1600	18365.2150	499645.2500
5	18:07:02	197695.0100	110649.7600	632753.9900	84127.5140	96065.5420	484951.7200	18455.4140	501342.7900
x		199336.8200	113209.1400	634404.9100	85489.3240	97283.5920	487879.0100	18321.6250	501545.8300
%RSD		1.450	2.413	0.839	1.276	0.967	1.038	1.889	0.303

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:04:36	542.5177	677664.7100	664184.0600	71318.8830	880095.5900	1201289.5000	26830.6240	879375.1600
2	18:05:12	412.5102	679348.8900	658968.4000	71414.6980	888700.9900	1210123.7000	27445.1200	879921.0200
3	18:05:49	377.5086	675580.2300	655932.3400	71149.9480	888379.2400	1211294.4000	27470.2020	879219.9900
4	18:06:25	350.0074	670517.3200	654676.6200	71868.5750	881320.4500	1204652.0000	27068.8920	872888.4100
5	18:07:02	305.0056	678328.0500	662078.5000	72206.4770	888027.0000	1213423.4000	27274.5610	887472.3200
x		397.5099	676287.8400	659167.9800	71591.7160	885304.6500	1208156.6000	27217.8800	879775.3800
%RSD		22.664	0.519	0.608	0.607	0.477	0.416	0.990	0.588

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:04:36	195133.1800	487157.4600	231329.3400	144082.4100	118511.7500	32683.9690	13459.1940	38.3334
2	18:05:12	195934.1500	481089.7400	230036.7900	146590.5900	117170.4800	32579.3940	13576.8840	40.8334
3	18:05:49	196430.6300	484874.9400	232755.7400	146529.5300	118888.7300	32857.1480	13742.9900	45.0001
4	18:06:25	193173.3000	479856.6000	229998.2500	145188.8700	118751.8000	33041.2070	13545.1660	40.8334
5	18:07:02	194838.9100	486839.6700	230119.0100	146038.5200	117915.0400	32708.2310	13459.1940	50.0001
x		195102.0300	483963.6800	230847.8300	145685.9800	118247.5600	32773.9900	13556.6850	43.0001
%RSD		0.641	0.689	0.521	0.726	0.599	0.547	0.859	10.668

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:04:36	947260.2600	713517.3900	9940.9258	692581.9400	151121.7000	357922.4100	1145239.7000	37.5001
2	18:05:12	957815.7100	722441.8100	9903.3811	702995.8400	153544.1400	366970.9900	1161395.8000	60.0002
3	18:05:49	969019.2100	728169.5900	10153.6820	707091.5500	153965.5500	366860.0100	1172347.0000	47.5001
4	18:06:25	971141.2300	728154.6100	10181.2160	710089.8600	154034.3100	369684.5600	1182655.0000	42.5001
5	18:07:02	969803.0100	732292.1600	10191.2280	709549.0800	155608.1400	372759.6000	1191525.4000	50.0001
x		963007.8900	724915.1100	10074.0860	704461.6500	153654.7700	366839.5100	1170632.6000	47.5001
%RSD		1.068	1.003	1.390	1.023	1.054	1.510	1.548	17.848

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:04:36	416137.1000	93178.0330	163809.3400	1936799.4000	687563.3100	1695009.0000	580002.9100	462936.0800
2	18:05:12	430336.7000	94502.8260	167323.1200	1998978.6000	709108.8800	1750063.6000	601381.3600	480409.6400
3	18:05:49	435518.2600	95476.3280	169618.8400	2022912.4000	719443.3200	1787967.5000	611023.8000	489043.2400
4	18:06:25	438598.6700	95860.7030	169636.7000	2034400.2000	721387.3200	1788433.5000	615842.3300	492463.6100
5	18:07:02	443395.2800	96556.1640	170172.4600	T 2104469.5000	730144.1500	1807381.2000	620951.3600	493788.6700
x		432797.2000	95114.8110	168112.0900	T 2019512.0000	713529.4000	1765771.0000	605840.3500	483728.2500
%RSD		2.415	1.380	1.573	T 3.003	2.288	2.531	2.665	2.633

Run	Time	208Pb	209Bi	220Bkg
1	18:04:36	1191912.8000	1446882.2000	0.0000
2	18:05:12	1224522.2000	1489241.5000	0.0000
3	18:05:49	1250912.2000	1516587.0000	5.0000
4	18:06:25	1261481.9000	1530109.6000	0.0000
5	18:07:02	1267906.1000	1526196.1000	0.0000
x		1239347.0000	1501803.3000	1.0000
%RSD		2.522	2.304	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:10:02	201557.5700	10.8333	160.0015	40.0001	30.0001	1805.1955	500.0150	501024.4700
2	18:10:39	202856.8600	13.3333	555.0185	55.0002	75.0003	1840.2032	457.5126	505349.2500
3	18:11:15	202550.3800	16.6667	830.0413	120.0009	165.0016	1892.7149	502.5152	512346.4600
4	18:11:52	203959.9700	25.0000	1295.1006	205.0025	205.0025	2170.2826	482.5140	515842.5500
5	18:12:29	202371.9500	16.6667	1100.0726	115.0008	220.0029	1977.7347	565.0192	519983.3900
x		202659.3500	16.5000	788.0469	107.0009	139.0015	1937.2262	501.5152	510909.2200
%RSD		0.430	32.418	56.926	60.981	59.728	7.515	7.934	1.508

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:10:02	475.0135	420.0106	1105.0733	1995.2388	140.0012	96437.2990	1267.5964	17.5000
2	18:10:39	420.0106	407.5100	987.5585	2155.2787	122.5009	96558.6930	1322.6049	47.5001
3	18:11:15	357.5077	475.0135	960.0553	2237.8004	187.5021	97383.2040	1345.1086	75.0003
4	18:11:52	317.5061	457.5126	1135.0773	2255.3051	212.5027	98572.0590	1252.5941	82.5004
5	18:12:29	372.5083	415.0103	1020.0624	2242.8018	182.5020	99508.0850	1457.6275	87.5005
x		388.5092	435.0114	1041.5654	2177.2850	169.0018	97691.8680	1329.1063	62.0003
%RSD		15.622	6.788	7.249	5.014	21.781	1.357	6.119	47.231

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:10:02	22.5000	300.0054	145.0013	205.0025	17.5000	783.3702	48.3335	32.5001
2	18:10:39	45.0001	295.0052	115.0008	217.5028	24.1667	757.5344	39.1668	37.5001
3	18:11:15	57.5002	252.5038	105.0007	207.5026	24.1667	777.5363	41.6668	54.1668
4	18:11:52	40.0001	277.5046	117.5008	245.0036	32.5001	756.7010	49.1668	39.1668
5	18:12:29	35.0001	285.0049	142.5012	250.0038	22.5000	773.3692	46.6668	33.3334
x		40.0001	282.0048	125.0010	225.0031	24.1667	769.7022	45.0001	39.3334
%RSD		32.174	6.616	14.213	9.395	22.347	1.563	9.711	22.241

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:10:02	935286.8400	92.5005	15.0000	78.7504	7.5000	7.5000	1118673.0000	12.5000
2	18:10:39	953623.3100	75.0003	7.5000	62.5002	5.0000	23.7500	1158970.3000	22.5000
3	18:11:15	982008.4600	67.5003	10.0000	71.2503	16.2500	31.2501	1187281.3000	12.5000
4	18:11:52	991727.1800	85.0004	2.5000	75.0003	17.5000	33.7501	1207874.8000	25.0000
5	18:12:29	1004081.0000	86.2504	5.0000	71.2503	16.2500	40.0001	1216160.1000	17.5000
x		973345.3700	81.2504	8.0000	71.7503	12.5000	27.2501	1177791.9000	18.0000
%RSD		2.904	12.211	60.111	8.409	46.368	45.803	3.374	31.672

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:10:02	892.5478	2.5000	12.5000	1899313.7000	51.2502	135.0011	77.5004	62.5002
2	18:10:39	1080.0700	2.5000	5.0000	T 2035630.1000	61.2502	181.2520	90.0005	82.5004
3	18:11:15	980.0576	7.5000	12.5000	2019385.8000	112.5008	232.5032	90.0005	95.0005
4	18:11:52	850.0434	20.0000	17.5000	T 2121915.2000	116.2508	370.0082	145.0013	92.5005
5	18:12:29	715.0307	15.0000	15.0000	2079041.5000	93.7505	325.0063	145.0013	107.5007
x		903.5499	9.5000	12.5000	T 2031057.3000	87.0005	248.7542	109.5008	88.0005
%RSD		15.209	81.960	37.417	T 4.125	33.964	39.325	29.960	19.100

Run	Time	208Pb	209Bi	220Bkg
1	18:10:02	162.5016	1406078.1000	0.0000
2	18:10:39	177.5019	1466166.0000	0.0000
3	18:11:15	245.0036	1504109.6000	0.0000
4	18:11:52	250.0038	1529994.9000	0.0000
5	18:12:29	257.5040	1556098.9000	0.0000
x		218.5030	1492489.5000	0.0000
%RSD		20.509	3.928	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:15:28	199191.6900	5.0000	T 10467928.0000	T 1433938.5000	T 1622788.9000	24613.7970	M 1315405.7000	482717.4300
2	18:16:05	200054.4900	23.3334	T 10746104.0000	T 1466115.0000	T 1654511.0000	25140.3650	M 1336987.4000	483236.2400
3	18:16:42	203343.5100	25.8334	T 10953082.0000	1526739.7000	T 1665603.4000	24824.4200	M 1366592.9000	492092.6300
4	18:17:19	206457.8600	32.5001	T 11195294.0000	T 1485420.9000	T 1681041.4000	25659.4440	M 1387834.1000	496517.6200
5	18:17:56	205292.0900	18.3334	T 11103481.0000	1530953.0000	T 1677313.4000	25233.1450	M 1382514.0000	496212.7400
x		202867.9300	21.0000	T 10893178.0000	T 1488633.4000	T 1660251.6000	25094.2340	M 1357866.8000	490155.3300
%RSD		1.567	49.036	T 2.683	T 2.760	T 1.409	1.600	M 2.276	1.384

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:15:28	722.5313	13841.4860	1650.1634	5441.7762	268729.1700	171968.7700	20846.0410	1182.5839
2	18:16:05	717.5309	14790.6140	1625.1585	5741.9775	274164.4800	172913.0100	19219.6380	1190.0850
3	18:16:42	757.5344	15329.0860	1797.6939	6014.6698	280042.6800	172984.4700	18099.6340	1250.0938
4	18:17:19	597.5214	16175.6840	1772.6885	6199.8054	280396.7900	174891.1600	18600.7360	1185.0843
5	18:17:56	690.0286	16939.7000	1795.1933	5769.4965	281826.3200	173987.5300	17816.5250	1220.0893
x		697.0293	15415.3140	1728.1795	5833.5451	277031.8900	173348.9900	18916.5150	1205.5872
%RSD		8.692	7.796	4.842	4.945	1.981	0.646	6.361	2.412

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:15:28	1902.7172	6675.1724	3443.2112	229486.9400	2169.4490	817.5401	66.6669	41.6668
2	18:16:05	1922.7218	7030.4644	3428.2050	233871.3300	2240.3011	818.3735	79.1670	40.0001
3	18:16:42	2005.2412	6737.7227	3465.7205	237730.7700	2200.2904	761.7015	78.3337	45.8335
4	18:17:19	1765.1869	6932.8827	3248.1329	240310.7000	2188.6207	798.3716	81.6671	55.0002
5	18:17:56	1842.7037	7065.4940	3358.1765	242227.5200	2283.6462	763.3683	77.5004	42.5001
x		1887.7142	6888.3472	3388.6892	236725.4500	2216.4615	791.8710	76.6670	45.0001
%RSD		4.760	2.532	2.604	2.161	2.059	3.530	7.570	13.290

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:15:28	895390.9700	238.7534	92.5005	247.5037	1243.8428	3035.5528	1062870.7000	175.0018
2	18:16:05	919768.8200	315.0060	105.0007	248.7537	1352.6098	3166.8516	1099815.4000	165.0016
3	18:16:42	940806.9300	272.5045	80.0004	272.5045	1371.3628	3305.6555	1125949.7000	172.5018
4	18:17:19	950525.0100	282.5048	117.5008	247.5037	1393.8666	3255.6358	1134336.0000	140.0012
5	18:17:56	951519.4700	292.5051	90.0005	256.2539	1402.6180	3235.6280	1150706.5000	197.5023
x		931602.2400	280.2548	97.0006	254.5039	1352.8600	3199.8648	1114735.7000	170.0018
%RSD		2.569	10.006	14.962	4.205	4.731	3.265	3.080	12.171

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:15:28	6980.4224	10391.4750	18452.9080	1865229.8000	646.2751	1565.1470	43131.3310	37227.9700
2	18:16:05	7340.7318	10629.2750	18823.7360	1950383.6000	728.7819	1896.4658	44925.7740	39257.2510
3	18:16:42	7598.4626	10912.1400	19026.6960	1993392.5000	887.5473	2195.2891	46255.5190	40254.4910
4	18:17:19	7651.0107	10979.7290	19392.5380	2027953.1000	831.2915	1962.7311	47401.9340	40648.8990
5	18:17:56	7553.4217	11402.7960	19886.1990	T 2105413.0000	782.5367	1847.7048	47723.7630	41184.0170
x		7424.8098	10863.0830	19116.4160	T 1988474.4000	775.2865	1893.4676	45887.6640	39714.5250
%RSD		3.703	3.519	2.868	T 4.491	11.996	11.979	4.124	3.924

Run	Time	208Pb	209Bi	220Bkg
1	18:15:28	93400.5020	1306853.8000	0.0000
2	18:16:05	98078.7900	1370975.3000	0.0000
3	18:16:42	101291.8800	1412609.3000	0.0000
4	18:17:19	101620.8500	1433783.7000	0.0000
5	18:17:56	103040.6300	1448676.3000	0.0000
x		99486.5320	1394579.7000	0.0000
%RSD		3.876	4.094	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:20:56	213065.2600	10.0000	τ 2301161.3000	316150.4200	360466.1000	8764.6067	274513.1800	510847.2400
2	18:21:32	212045.5700	10.8333	τ 2328892.2000	317256.2800	359349.3900	8957.3114	280993.9100	513349.1800
3	18:22:09	210874.7500	17.5000	τ 2340249.1000	316290.6000	360460.8800	8927.2792	279996.1500	516072.4000
4	18:22:46	211640.4700	24.1667	τ 2350762.2000	314920.1300	357048.5900	8972.3276	280306.3200	510786.1600
5	18:23:22	211481.5100	25.8334	τ 2381366.5000	316685.1600	355520.2900	9275.1588	282772.5800	515633.9700
x		211821.5100	17.6667	τ 2340486.3000	316260.5200	358569.0500	8979.3367	279716.4300	513337.7900
%RSD		0.384	41.445	τ 1.256	0.273	0.614	2.060	1.109	0.492

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:20:56	507.5155	4463.6952	1337.6073	3023.0482	57779.6170	124909.1700	5784.5069	262.5041
2	18:21:32	557.5187	4373.6474	1295.1006	3038.0537	58902.4370	124046.4300	5296.6828	245.0036
3	18:22:09	440.0116	4686.3173	1207.5875	2965.5276	59393.4030	126640.0000	5261.6606	297.5053
4	18:22:46	427.5110	4638.7907	1205.0871	2913.0090	59544.4750	124203.7500	5101.5611	367.5081
5	18:23:22	422.5107	4573.7548	1357.6106	2925.5134	60289.8060	122892.0100	4941.4647	385.0089
x		471.0135	4547.2411	1280.5986	2973.0304	59181.9480	124538.2700	5277.1752	311.5060
%RSD		12.570	2.815	5.580	1.891	1.569	1.108	6.004	20.021

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:20:56	465.0130	1570.1479	785.0370	51865.9040	455.8458	850.0434	40.8334	32.5001
2	18:21:32	397.5095	1630.1594	805.0389	53151.4660	418.3438	840.8758	46.6668	41.6668
3	18:22:09	437.5115	1620.1575	775.0360	54331.5390	510.8490	809.2060	40.0001	44.1668
4	18:22:46	477.5137	1717.6770	760.0347	53309.9740	457.5126	783.3702	56.6669	35.8334
5	18:23:22	540.0175	1562.6465	777.5363	54318.9580	476.6803	742.5331	46.6668	31.6667
x		463.5130	1620.1577	780.5366	53395.5680	463.8463	805.2057	46.1668	37.1668
%RSD		11.357	3.832	2.105	1.904	7.270	5.450	14.418	14.923

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:20:56	950259.6500	78.7504	25.0000	55.0002	276.2546	701.2795	1143866.3000	40.0001
2	18:21:32	975487.6400	86.2504	25.0000	80.0004	283.7548	673.7772	1175437.8000	27.5000
3	18:22:09	984021.4500	168.7517	32.5001	106.2507	305.0056	721.2812	1195688.2000	27.5000
4	18:22:46	992990.1400	191.2522	20.0000	136.2511	296.2553	742.5331	1205086.0000	40.0001
5	18:23:22	998987.4400	160.0015	17.5000	135.0011	320.0061	761.2848	1217294.1000	32.5001
x		980349.2600	137.0013	24.0000	102.5007	296.2553	720.0312	1187474.5000	33.5001
%RSD		1.942	37.306	23.981	34.396	5.839	4.761	2.424	18.731

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:20:56	1480.1314	2065.2559	4078.4978	1942049.3000	140.0012	351.2574	9094.9604	7893.7369
2	18:21:32	1630.1594	2192.7885	4043.4807	2006573.1000	185.0021	456.2625	9680.6196	8321.6529
3	18:22:09	1642.6619	2295.3161	4426.1751	τ 2121897.4000	282.5048	615.0227	9973.4646	8661.9995
4	18:22:46	1642.6619	2305.3188	4111.0138	2080411.0000	313.7559	736.2825	10529.1480	8932.2846
5	18:23:22	1727.6791	2487.8713	4403.6632	τ 2170585.2000	223.7530	598.7715	10233.7800	8757.0988
x		1624.6587	2269.3101	4212.5661	τ 2064303.2000	229.0034	551.5193	9902.3944	8513.3545
%RSD		5.521	6.871	4.426	τ 4.410	30.824	27.134	5.552	4.835

Run	Time	208Pb	209Bi	220Bkg
1	18:20:56	20211.9820	1426540.4000	0.0000
2	18:21:32	21003.9370	1472989.5000	2.5000
3	18:22:09	21272.1160	1521995.4000	0.0000
4	18:22:46	22044.1180	1544485.0000	0.0000
5	18:23:22	21740.8230	1545013.4000	0.0000
x		21254.5950	1502204.7000	0.5000
%RSD		3.335	3.425	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:26:21	205068.3500	10.0000	T 10940950.0000	T 1490655.2000	T 1682367.9000	30335.1130	M 1356173.7000	487615.6200
2	18:26:57	206609.9000	7.5000	T 11178806.0000	T 1497226.5000	T 1699246.7000	29612.5210	M 1391543.1000	492566.9500
3	18:27:34	204137.5700	20.8334	T 11321063.0000	T 1513971.8000	T 1704598.5000	29750.5110	M 1414911.5000	495620.2400
4	18:28:11	207321.4100	12.5000	T 11308019.0000	T 1503571.1000	T 1689663.7000	30703.9600	M 1421481.5000	495344.5600
5	18:28:48	207312.0100	15.8333	T 11352762.0000	T 1511116.7000	T 1731654.9000	30450.5330	M 1429836.4000	498935.8300
x		206089.8500	13.3333	T 11220320.0000	T 1503308.3000	T 1701506.3000	30170.5270	M 1402789.2000	494016.6400
%RSD		0.692	39.031	T 1.512	T 0.641	T 1.111	1.553	M 2.117	0.856

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:26:21	857.5441	15354.1320	1695.1724	5899.5876	258719.7600	172096.3700	21560.3550	1117.5749
2	18:26:57	782.5367	16669.1550	1667.6669	5942.1178	261886.4100	172923.2200	20643.0360	1170.0821
3	18:27:34	652.5256	17039.9040	1622.6580	5959.6303	264917.4900	172236.7200	18104.6450	1095.0719
4	18:28:11	662.5263	17007.3370	1627.6589	6084.7206	268220.6700	174783.9400	18971.5710	1045.0655
5	18:28:48	580.0202	18016.9560	1600.1536	6259.8503	268605.2700	172512.3400	18568.1640	1105.0733
x		707.0306	16817.4970	1642.6620	6029.1813	264469.9200	172910.5200	19569.5540	1106.5736
%RSD		15.724	5.709	2.321	2.425	1.594	0.633	7.502	4.060

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:26:21	1817.6982	6692.6864	3285.6476	214233.8200	2091.9292	805.0389	73.3337	37.5001
2	18:26:57	1817.6982	6470.0107	3298.1525	218972.1200	2159.4464	781.7033	79.1670	50.0001
3	18:27:34	1740.1817	6905.3599	3113.0814	221556.6000	2221.9629	811.7062	80.0004	48.3335
4	18:28:11	1800.1944	6600.1127	3385.6876	221561.7300	2157.7793	754.2008	65.8336	40.0001
5	18:28:48	1830.2010	6465.0068	3305.6555	221582.2700	2157.7793	708.3634	85.0004	34.1667
x		1801.1947	6626.6353	3277.6449	219581.3100	2157.7794	772.2025	76.6670	42.0001
%RSD		1.984	2.756	3.052	1.454	2.131	5.467	9.569	16.398

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:26:21	900227.8000	246.2536	85.0004	200.0024	1232.5912	2882.9986	1078662.2000	115.0008
2	18:26:57	931121.8700	283.7548	90.0005	262.5041	1243.8428	2983.0338	1118610.3000	77.5004
3	18:27:34	942590.0500	293.7552	60.0002	270.0044	1346.3588	3061.8124	1139040.0000	110.0007
4	18:28:11	951793.2500	248.7537	100.0006	256.2539	1271.3470	3063.0628	1139025.7000	62.5002
5	18:28:48	960505.4900	260.0041	107.5007	238.7534	1380.1143	3140.5917	1156119.6000	92.5005
x		937247.6900	266.5043	88.5005	245.5037	1294.8508	3026.2999	1126291.6000	91.5005
%RSD		2.496	7.977	20.527	11.377	5.028	3.224	2.642	24.022

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:26:21	7180.5923	10416.5060	17931.7720	1894580.9000	671.2770	1640.1614	44757.3710	38975.9350
2	18:26:57	7305.7010	10546.6700	19352.4450	1968668.5000	701.2795	1790.1923	46773.3980	41209.1400
3	18:27:34	7520.8923	10952.1920	19146.9710	2028122.9000	780.0365	1927.7229	48297.0520	41410.1330
4	18:28:11	7440.8205	10914.6430	19199.5920	2060672.1000	790.0375	1756.4351	48302.0810	42543.3200
5	18:28:48	7440.8205	10664.3190	19229.6610	2068727.6000	721.2812	1818.9485	49604.6990	43272.0570
x		7377.7653	10698.8660	18972.0880	2004154.4000	732.7823	1786.6920	47546.9200	41482.1170
%RSD		1.825	2.166	3.091	3.633	6.965	5.825	3.899	3.941

Run	Time	208Pb	209Bi	220Bkg
1	18:26:21	96986.1130	1333640.5000	0.0000
2	18:26:57	102433.2100	1392200.5000	0.0000
3	18:27:34	104032.8400	1434388.2000	0.0000
4	18:28:11	105250.4900	1454623.6000	0.0000
5	18:28:48	107653.3900	1465260.5000	0.0000
x		103271.2100	1416022.7000	0.0000
%RSD		3.870	3.804	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:31:50	209765.6200	11.6667	T 11191075.0000	T 1506562.2000	T 1711002.4000	23415.3510	M 1388682.0000	492152.2500
2	18:32:26	207814.3000	7.5000	T 11300767.0000	T 1526865.1000	T 1717978.0000	23297.5210	M 1407755.3000	495934.3800
3	18:33:03	207112.9900	15.0000	T 11391713.0000	T 1529810.8000	T 1710796.5000	23172.1720	M 1427926.7000	501113.3300
4	18:33:40	205953.9600	9.1667	T 11449341.0000	T 1523670.1000	T 1718412.6000	23560.7600	M 1433780.8000	501533.7800
5	18:34:17	205950.5400	11.6667	T 11435658.0000	T 1504160.3000	T 1703180.5000	23147.1030	M 1453629.2000	503223.7300
x		207319.4800	11.0000	T 11353711.0000	T 1518213.7000	T 1712274.0000	23318.5810	M 1422354.8000	498791.5000
%RSD		0.763	25.913	T 0.950	T 0.788	T 0.366	0.741	M 1.753	0.923

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:31:50	735.0324	16999.8220	1665.1664	5241.6480	241404.1400	165221.8200	20643.0360	1075.0693
2	18:32:26	645.0250	18079.5910	1680.1694	5229.1401	245357.1000	163842.4800	18898.9060	952.5544
3	18:33:03	695.0290	18087.1070	1625.1585	5339.2099	246242.6600	163454.9800	18450.4020	1137.5776
4	18:33:40	670.0269	18590.7140	1710.1755	5374.2324	246047.0000	163852.6800	18520.5580	1085.0706
5	18:34:17	667.5267	18763.6010	1727.6791	5399.2485	249870.7900	164745.0200	18430.3580	1020.0624
x		682.5280	18104.1670	1681.6697	5316.6958	245784.3400	164223.4000	18988.6520	1054.0669
%RSD		5.023	3.799	2.378	1.455	1.226	0.446	4.972	6.681

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:31:50	1960.2305	6142.2628	3093.0739	198759.9000	2097.7640	829.2079	64.1669	50.8335
2	18:32:26	1775.1891	6314.8918	3008.0428	202544.4000	2142.7755	825.0408	70.8336	32.5001
3	18:33:03	1572.6484	6347.4165	2857.9900	204929.1500	2151.9445	839.2089	70.8336	48.3335
4	18:33:40	1807.6960	6184.7942	3080.5693	203991.5600	2151.9445	726.6984	84.1671	52.5002
5	18:34:17	1700.1734	6274.8615	2903.0056	205213.5200	2200.2904	767.5354	72.5003	47.5001
x		1763.1875	6252.8454	2988.5363	203087.7100	2148.9438	797.5383	72.5003	46.3335
%RSD		8.082	1.388	3.515	1.297	1.696	6.083	10.021	17.232

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:31:50	918485.7000	183.7520	97.5006	198.7524	1118.8251	2909.2577	1100423.4000	32.5001
2	18:32:26	942045.8700	232.5032	85.0004	206.2526	1253.8443	2874.2456	1136030.1000	20.0000
3	18:33:03	955624.2300	247.5037	77.5004	233.7533	1226.3402	2991.7870	1152126.6000	37.5001
4	18:33:40	968831.6700	218.7529	80.0004	241.2535	1263.8458	2948.0214	1168421.2000	42.5001
5	18:34:17	973182.5400	193.7523	92.5005	220.0029	1253.8443	2939.2683	1170691.7000	62.5002
x		951634.0000	215.2528	86.5005	220.0029	1223.3400	2932.5160	1145538.6000	39.0001
%RSD		2.330	12.301	9.716	8.135	4.910	1.500	2.517	39.929

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:31:50	7090.5152	10348.9220	17788.9670	1939550.2000	713.7806	1613.9063	33700.5060	28453.4930
2	18:32:26	7250.6529	10784.4740	19167.0170	T 2069845.1000	778.7864	1792.6928	34036.8690	29288.8800
3	18:33:03	7203.1117	10699.3640	19435.1370	2042464.6000	677.5275	1832.7015	35676.2040	30814.3660
4	18:33:40	7440.8205	11332.7010	19795.9850	2086631.7000	761.2848	1870.2098	36163.2970	31916.0010
5	18:34:17	7295.6922	11232.5650	19470.2190	T 2170353.8000	761.2848	1811.4469	36241.1340	31772.9560
x		7256.1585	10879.6050	19131.4650	T 2061769.1000	738.5328	1784.1915	35163.6020	30449.1390
%RSD		1.770	3.714	4.093	T 4.042	5.660	5.574	3.434	5.026

Run	Time	208Pb	209Bi	220Bkg
1	18:31:50	73086.6000	1362269.6000	0.0000
2	18:32:26	75157.3970	1412774.1000	0.0000
3	18:33:03	76534.8480	1458129.4000	0.0000
4	18:33:40	77801.4970	1476866.8000	0.0000
5	18:34:17	79171.8120	1501628.7000	0.0000
x		76350.4310	1442333.7000	0.0000
%RSD		3.084	3.836	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:37:14	204193.9300	6.6667	T 11035682.0000	T 1496546.7000	T 1675689.6000	6429.9797	M 1374744.7000	490208.8200
2	18:37:51	207785.2500	12.5000	T 11372511.0000	T 1518707.7000	T 1706542.5000	6379.9413	M 1404418.8000	498136.3100
3	18:38:27	207590.4900	18.3334	T 11435544.0000	T 1517416.1000	T 1703043.3000	6409.9643	M 1433603.9000	503181.2800
4	18:39:04	205789.1300	9.1667	T 11466422.0000	T 1501758.4000	T 1707045.7000	6782.7592	M 1430817.9000	498959.7000
5	18:39:41	208820.6600	6.6667	T 11517186.0000	T 1526275.9000	T 1719030.1000	6364.9298	M 1436679.8000	502636.0600
x		206835.8900	10.6667	T 11365469.0000	T 1512140.9000	T 1702270.2000	6473.5149	M 1416053.0000	498624.4300
%RSD		0.888	46.021	T 1.686	T 0.824	T 0.942	2.699	M 1.866	1.042

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:37:14	792.5377	17746.3760	1622.6580	2830.4806	268442.6500	123625.2400	19104.3740	2000.2400
2	18:37:51	677.5275	18688.4320	1575.1489	2928.0143	275864.2200	121304.0000	17678.7320	1850.2054
3	18:38:27	720.0311	18726.0160	1730.1796	2872.9952	278280.0800	122237.4900	18167.2810	1875.2110
4	18:39:04	650.0254	18931.4800	1622.6580	2943.0196	277305.9000	120051.0500	17733.8490	1705.1744
5	18:39:41	615.0227	18991.6160	1780.1901	2963.0267	282423.5400	120401.0500	17272.8830	1825.1999
x		691.0289	18616.7840	1666.1669	2907.5073	276463.2800	121523.7700	17991.4240	1851.2061
%RSD		9.917	2.705	5.125	1.875	1.846	1.193	3.881	5.716

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:37:14	1930.2235	3985.9530	1982.7358	218410.1600	1956.8964	797.5382	80.8337	46.6668
2	18:37:51	1750.1838	3923.4234	2270.3092	225130.4900	1968.5658	755.8676	77.5004	43.3334
3	18:38:27	1942.7264	4346.1330	2167.7819	226715.1000	1965.2317	735.0324	71.6670	39.1668
4	18:39:04	1742.6822	4148.5324	2217.7951	225541.3800	1897.7161	763.3683	64.1669	37.5001
5	18:39:41	1770.1880	4073.4954	2195.2891	227041.3000	1944.3935	761.7015	85.0004	38.3334
x		1827.2008	4095.5074	2166.7822	224567.6900	1946.5607	762.7016	75.8337	41.0001
%RSD		5.492	4.007	5.056	1.573	1.482	2.952	10.739	9.468

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:37:14	918828.0300	73.7503	102.5006	53.7502	1146.3288	2795.4688	1101582.6000	42.5001
2	18:37:51	945733.0300	111.2507	77.5004	68.7503	1158.8306	2870.4943	1139239.7000	30.0001
3	18:38:27	962538.7500	192.5022	72.5003	163.7516	1232.5912	2954.2736	1155890.9000	40.0001
4	18:39:04	966721.4100	125.0009	100.0006	168.7517	1207.5875	2881.7482	1164211.0000	47.5001
5	18:39:41	974552.0800	117.5008	70.0003	106.2507	1202.5868	2925.5134	1173472.6000	35.0001
x		953674.6600	124.0010	84.5004	112.2509	1189.5850	2885.4997	1146879.4000	39.0001
%RSD		2.322	34.741	18.405	47.130	3.019	2.099	2.466	17.320

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:37:14	6394.9528	10629.2750	19011.6620	1931406.1000	627.5236	1502.6355	5471.7958	4786.3742
2	18:37:51	6434.9836	11092.3780	19635.6060	T 2084584.9000	666.2766	1715.1765	5766.9948	5014.0080
3	18:38:27	7065.4940	11162.4710	19953.8610	2058450.2000	793.7878	1787.6917	6002.1608	5251.6543
4	18:39:04	6755.2369	11262.6060	20354.8290	T 2152890.2000	696.2791	1755.1848	6087.2224	5159.0965
5	18:39:41	6757.7389	11330.1970	20317.2370	T 2165565.1000	696.2791	1687.6709	6132.2554	5374.2324
x		6681.6812	11095.3850	19854.6390	T 2078579.3000	696.0293	1689.6719	5892.0859	5117.0731
%RSD		4.109	2.488	2.796	T 4.512	8.838	6.586	4.649	4.435

Run	Time	208Pb	209Bi	220Bkg
1	18:37:14	11515.4510	1364897.0000	0.0000
2	18:37:51	12579.4870	1427269.6000	0.0000
3	18:38:27	12987.6130	1462077.3000	0.0000
4	18:39:04	12920.0080	1479988.6000	0.0000
5	18:39:41	13335.6620	1497712.6000	0.0000
x		12667.6440	1446389.0000	0.0000
%RSD		5.508	3.628	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:42:38	202651.1100	5.8333	T 11115066.0000	T 1487777.5000	T 1694237.9000	6710.2005	M 1384678.0000	482346.8700
2	18:43:15	202351.4600	9.1667	T 11211964.0000	T 1500987.9000	T 1711825.7000	7032.9665	M 1424886.2000	490496.2700
3	18:43:51	206649.1900	7.5000	T 11573925.0000	T 1539894.3000	T 1728064.1000	7230.6356	M 1440426.5000	497347.4800
4	18:44:29	208496.8600	11.6667	TM 11788771.0000	T 1555891.9000	T 1776390.6000	6895.3516	M 1469882.0000	502697.0800
5	18:45:06	206095.7300	13.3333	T 11703047.0000	T 1526797.1000	T 1739591.1000	6932.8827	M 1478216.5000	505190.0100
x		205248.8700	9.5000	TM 11478555.0000	T 1522269.7000	T 1730021.9000	6960.4074	M 1439617.8000	495615.5400
%RSD		1.298	31.991	TM 2.610	T 1.830	T 1.795	2.744	M 2.609	1.879

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:42:38	702.5296	17929.2670	1607.6551	2617.9111	253077.9300	122656.0800	19364.9740	1345.1086
2	18:43:15	687.5284	18402.7970	1855.2065	2915.5099	260132.7500	123566.8800	18495.5020	1387.6155
3	18:43:51	682.5280	18678.4100	1657.6649	3058.0610	263403.1000	125119.8000	18270.0060	1547.6437
4	18:44:29	632.5240	19410.0790	1650.1634	3118.0832	263176.1000	123625.2400	17523.4050	1420.1210
5	18:45:06	527.5167	19570.4530	1705.1744	3110.5804	267170.2200	123901.8000	17330.5020	1420.1210
x		646.5253	18798.2010	1695.1728	2964.0291	261392.0200	123773.9600	18196.8780	1424.1220
%RSD		11.066	3.663	5.658	7.081	2.018	0.716	4.484	5.309

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:42:38	1937.7253	4336.1278	2137.7742	197316.1900	1865.2087	768.3688	63.3336	40.0001
2	18:43:15	1870.2098	4291.1045	2047.7516	201151.2600	1895.2155	747.5335	72.5003	45.0001
3	18:43:51	1775.1891	4411.1672	2225.2971	203492.0700	1869.3763	686.6950	63.3336	28.3334
4	18:44:29	1900.2166	4233.5751	2440.3573	205605.5100	1896.0490	777.5363	60.8336	36.6667
5	18:45:06	1717.6770	4341.1304	2275.3106	205177.6600	1890.2144	750.0338	90.8338	42.5001
x		1840.2036	4322.6210	2225.2981	202548.5400	1883.2128	746.0335	70.1670	38.5001
%RSD		4.955	1.521	6.663	1.683	0.785	4.754	17.644	16.794

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:42:38	915093.7100	77.5004	77.5004	47.5001	1135.0773	2730.4472	1090474.0000	42.5001
2	18:43:15	935420.6900	88.7505	87.5005	73.7503	1207.5875	2697.9367	1121030.5000	37.5001
3	18:43:51	962505.1800	147.5013	77.5004	143.7512	1233.8413	2865.4926	1154238.7000	47.5001
4	18:44:29	967113.1900	171.2518	82.5004	142.5012	1202.5868	2899.2543	1167055.7000	42.5001
5	18:45:06	976843.5300	121.2509	90.0005	93.7505	1208.8377	2899.2543	1182597.7000	55.0002
x		951395.2600	121.2510	83.0004	100.2507	1197.5861	2818.4770	1143079.3000	45.0001
%RSD		2.675	32.364	6.869	42.334	3.089	3.437	3.248	14.699

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:42:38	6675.1724	10403.9910	18312.5990	1930870.7000	638.7745	1562.6465	4961.4765	4068.4929
2	18:43:15	6730.2167	10869.5840	18991.6160	1996495.5000	702.5296	1726.4288	5084.0504	4558.7466
3	18:43:51	6645.1484	10887.1070	19162.0060	2044622.8000	765.0351	1840.2032	5226.6386	4433.6791
4	18:44:29	7088.0131	11390.2790	19643.1240	2091032.3000	805.0389	1917.7206	5306.6891	4773.8670
5	18:45:06	7067.9961	11192.5110	19505.3010	2114599.7000	736.2825	1718.9273	5361.7243	4813.8900
x		6841.3093	10948.6940	19122.9290	2035524.2000	729.5321	1753.1853	5188.1158	4529.7351
%RSD		3.191	3.421	2.733	3.634	8.662	7.697	3.165	6.652

Run	Time	208Pb	209Bi	220Bkg
1	18:42:38	10771.9580	1362146.7000	0.0000
2	18:43:15	10997.2520	1415063.1000	2.5000
3	18:43:51	11240.0750	1453676.4000	0.0000
4	18:44:29	11560.5130	1485197.3000	0.0000
5	18:45:06	11685.6880	1498950.9000	0.0000
x		11251.0970	1443006.9000	0.5000
%RSD		3.381	3.850	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:48:03	205917.2300	10.0000	T 11154838.0000	T 1505723.8000	T 1704392.7000	9585.5098	M 1397969.8000	489628.6600
2	18:48:41	205118.7300	8.3333	T 11384484.0000	T 1519523.4000	T 1716628.6000	9190.0646	M 1418322.5000	492774.9800
3	18:49:17	203666.2500	11.6667	T 11563138.0000	T 1540030.3000	T 1737578.5000	9300.1867	M 1449466.4000	497693.5000
4	18:49:54	206337.4400	5.0000	T 11650938.0000	T 1541684.4000	T 1740849.0000	9638.0703	M 1468470.0000	501322.8900
5	18:50:31	205661.0200	10.0000	TM 11725670.0000	T 1538421.4000	T 1746063.6000	9718.1633	M 1477469.8000	502113.4200
x		205340.1300	9.0000	TM 11495813.0000	T 1529076.7000	T 1729102.5000	9486.3989	M 1442339.7000	496706.6900
%RSD		0.504	28.085	TM 1.994	T 1.036	T 1.028	2.410	M 2.329	1.089

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:48:03	767.5354	18199.8520	1647.6629	2817.9764	238924.1800	123620.1700	19785.9610	2052.7528
2	18:48:41	675.0273	19129.4310	1670.1674	2812.9747	243326.3400	122407.4600	18262.4890	2120.2697
3	18:49:17	707.5300	19625.5830	1645.1624	2933.0161	247437.2700	121060.5000	17285.4090	2070.2571
4	18:49:54	535.0172	19430.1250	1677.6689	2910.5082	251223.0500	120849.9700	18049.5260	2072.7577
5	18:50:31	542.5177	19540.3830	1760.1859	2775.4621	249932.6000	121014.8400	17523.4050	2000.2400
x		645.5255	19185.0750	1680.1695	2849.9875	246168.6900	121790.5900	18181.3580	2063.2555
%RSD		15.954	3.033	2.790	2.387	2.050	0.984	5.385	2.095

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:48:03	1952.7288	4226.0713	2145.2761	186314.7700	1821.0323	807.5391	67.5003	40.0001
2	18:48:41	1867.7093	4208.5625	2222.7964	190328.9700	1830.2010	765.0351	63.3336	37.5001
3	18:49:17	1797.6939	4198.5574	2257.8058	192134.7000	1902.7172	770.8690	84.1671	45.8335
4	18:49:54	1897.7161	4361.1409	2087.7615	193088.8800	1835.2021	748.3669	81.6671	37.5001
5	18:50:31	1832.7015	4065.9917	2162.7806	191352.0000	2035.2485	743.3665	67.5003	45.8335
x		1869.7099	4212.0647	2175.2841	190643.8600	1884.8802	767.0353	72.8337	41.3334
%RSD		3.191	2.489	3.065	1.376	4.779	3.303	12.909	10.241

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:48:03	917558.9600	66.2503	55.0002	41.2501	1038.8147	2601.6561	1093905.6000	37.5001
2	18:48:41	943173.3500	132.5011	105.0007	103.7507	1152.5797	2602.9064	1132134.6000	55.0002
3	18:49:17	962029.6900	212.5027	62.5002	188.7521	1121.3254	2720.4440	1148781.0000	42.5001
4	18:49:54	973162.9400	162.5016	70.0003	142.5012	1207.5875	2751.7042	1168910.7000	52.5002
5	18:50:31	972014.8200	101.2506	77.5004	92.5005	1095.0719	2706.6895	1179971.5000	47.5001
x		953587.9500	135.0013	74.0003	113.7509	1123.0759	2676.6800	1144740.7000	47.0001
%RSD		2.460	41.631	26.016	48.669	5.614	2.610	2.958	15.232

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:48:03	6587.6028	10106.1240	18555.6360	1933376.9000	658.7760	1683.9201	4441.1831	3850.8896
2	18:48:41	6737.7227	11034.8010	18888.8830	1998100.7000	738.7828	1820.1988	4531.2316	4033.4759
3	18:49:17	6905.3599	11077.3580	19773.4320	2069027.7000	717.5309	1900.2166	4683.8159	4373.6474
4	18:49:54	6867.8289	11535.4790	20071.6430	2082353.3000	710.0303	1950.2282	4978.9870	4173.5448
5	18:50:31	7283.1813	11332.7010	19803.5030	T 2160438.2000	781.2866	1927.7229	4956.4736	4283.6007
x		6876.3391	11017.2920	19418.6190	T 2048659.4000	721.2813	1856.4573	4718.3382	4143.0317
%RSD		3.771	4.976	3.383	T 4.220	6.183	5.831	5.166	4.994

Run	Time	208Pb	209Bi	220Bkg
1	18:48:03	9770.7247	1359328.6000	0.0000
2	18:48:41	9910.8900	1418309.3000	0.0000
3	18:49:17	10391.4750	1467886.9000	0.0000
4	18:49:54	10801.9960	1488571.1000	0.0000
5	18:50:31	10566.6950	1487767.2000	0.0000
x		10288.3560	1444372.6000	0.0000
%RSD		4.243	3.839	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:53:29	218438.3800	516.6827	370.0082	80.0004	40.0001	2140.2748	530.0169	521072.0800
2	18:54:06	216233.6500	458.3459	1160.0807	175.0018	220.0029	2125.2710	640.0246	527436.8600
3	18:54:42	215690.6900	435.8447	3555.7584	415.0103	520.0162	2317.8223	980.0576	527378.3300
4	18:55:19	215920.7000	458.3459	5191.6167	675.0273	755.0342	1975.2341	992.5591	526021.4700
5	18:55:56	212576.3400	523.3498	7223.1291	935.0525	1235.0915	1937.7253	1362.6114	527507.3700
x		215771.9500	478.5138	3500.1186	456.0185	554.0290	2099.2655	901.0539	525883.2200
%RSD		0.971	8.162	80.807	77.490	84.718	7.209	36.533	0.525

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:53:29	522.5164	14159.5190	6109.7389	2350.3314	3560.7606	111037.3600	1225.0900	3345.6715
2	18:54:06	530.0169	14612.8010	6347.4165	2287.8140	3663.3050	110994.2900	1267.5964	3548.2552
3	18:54:42	420.0106	14154.5110	6364.9298	2455.3617	3778.3564	109753.0200	1300.1014	3435.7081
4	18:55:19	340.0069	14687.9330	6254.8465	2357.8335	3710.8260	109096.9800	1262.5956	3438.2091
5	18:55:56	390.0091	14031.8040	6359.9260	2392.8435	3850.8896	107227.9600	1135.0773	3365.6795
x		440.5120	14329.3130	6287.3715	2368.8368	3712.8275	109621.9200	1238.0922	3426.7047
%RSD		18.928	2.084	1.733	2.593	2.979	1.436	5.124	2.320

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:53:29	855.0439	4075.9966	1860.2076	1432.6231	468.3465	1472.6301	296.6720	47.5001
2	18:54:06	757.5344	3960.9411	2000.2400	1365.1118	506.6821	1397.6172	330.0065	50.8335
3	18:54:42	797.5382	3940.9316	1840.2032	1435.1236	512.5158	1497.6346	320.8395	42.5001
4	18:55:19	860.0444	4118.5175	1957.7299	1397.6172	512.5158	1494.3006	340.0069	47.5001
5	18:55:56	830.0413	4141.0286	1932.7241	1550.1442	500.8484	1478.4645	347.5073	44.1668
x		820.0404	4047.4831	1918.2210	1436.1240	500.1817	1468.1294	327.0064	46.5001
%RSD		5.223	2.259	3.492	4.867	3.687	2.778	6.032	6.987

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:53:29	977395.4700	2869.2439	35.0001	2731.6977	613.7726	1417.6206	1179469.9000	25.0000
2	18:54:06	993500.9900	2910.5082	62.5002	2821.7276	627.5236	1486.3825	1214462.1000	22.5000
3	18:54:42	1012589.1000	3016.7960	40.0001	2963.0267	657.5259	1501.3852	1236955.9000	35.0001
4	18:55:19	1019326.0000	2998.0392	42.5001	3036.8032	598.7715	1473.8803	1248482.6000	10.0000
5	18:55:56	1018388.6000	3159.3488	72.5003	2935.5169	646.2751	1475.1305	1244788.8000	22.5000
x		1004240.0000	2990.7872	50.5002	2897.7544	628.7738	1470.8798	1224831.9000	23.0000
%RSD		1.818	3.752	31.968	4.169	3.780	2.159	2.334	38.736

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:53:29	3160.5992	3600.7778	6457.5010	2015207.2000	2634.1663	6501.2850	2262.8072	1745.1827
2	18:54:06	3465.7205	3705.8238	6715.2045	τ 2128590.9000	2750.4538	6638.8934	2382.8406	1835.2021
3	18:54:42	3563.2616	3880.9035	6620.1285	2109318.6000	2938.0178	6807.7796	2545.3887	2095.2634
4	18:55:19	3455.7164	3838.3838	6750.2328	τ 2201773.8000	2881.7482	6934.1337	2417.8507	2020.2449
5	18:55:56	3658.3028	3925.9246	6765.2450	τ 2207719.6000	3019.2969	7131.8004	2670.4278	2165.2813
x		3460.7201	3790.3627	6661.6624	τ 2132522.0000	2844.7366	6802.7785	2455.8630	1972.2349
%RSD		5.400	3.539	1.911	τ 3.690	5.382	3.625	6.377	8.965

Run	Time	208Pb	209Bi	220Bkg
1	18:53:29	4861.4176	1497449.8000	0.0000
2	18:54:06	4898.9396	1542839.1000	0.0000
3	18:54:42	4831.4001	1574262.4000	0.0000
4	18:55:19	5196.6198	1595346.2000	0.0000
5	18:55:56	4761.3598	1608844.9000	0.0000
x		4909.9474	1563748.5000	0.0000
%RSD		3.422	2.855	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:58:54	199533.0500	112847.2700	604648.0000	81223.9200	93708.9360	458849.0800	17175.1810	487759.9600
2	18:59:31	196407.6000	110740.1100	609164.8200	82748.8120	92591.5500	450385.5900	17696.2700	486055.8400
3	19:00:07	194870.4700	108217.2900	609916.9600	81390.5340	93617.9220	443087.0100	17573.5100	482577.1500
4	19:00:44	192224.2300	107501.4500	606162.3000	81062.3580	91534.9730	438696.1100	17395.6380	484787.5700
5	19:01:21	191533.6000	107205.1700	609589.2300	82814.4600	92980.8480	440305.2300	17726.3330	482725.3700
x		194913.7900	109302.2600	607896.2600	81848.0170	92886.8460	446264.6000	17513.3860	484781.1800
%RSD		1.667	2.215	0.387	1.051	0.953	1.869	1.310	0.456

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:58:54	515.0159	645201.2000	630979.2000	68747.4070	843003.9700	1149549.5000	25812.4150	838810.8400
2	18:59:31	355.0076	649366.8400	625993.4300	68500.3860	850446.2000	1166411.7000	26504.5830	842954.3000
3	19:00:07	420.0106	647440.2500	631170.4000	68830.5900	851702.8300	1157117.4000	26171.0310	837156.2100
4	19:00:44	360.0078	646080.5600	628006.7800	69072.5800	850404.7700	1159891.2000	25990.4670	836985.2500
5	19:01:21	287.5050	640379.7600	625611.2700	69201.1400	845184.0800	1160317.4000	26108.3350	834145.5900
x		387.5094	645693.7200	628352.2200	68870.4210	848148.3700	1158657.4000	26117.3660	838010.4400
%RSD		22.021	0.520	0.421	0.400	0.450	0.528	0.980	0.386

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:58:54	185179.8900	456312.8500	219998.6300	139304.7000	112899.6300	31345.5080	12902.4810	44.1668
2	18:59:31	187562.2900	462370.9600	220370.7700	141452.9300	113648.0400	31399.0430	12844.0570	49.1668
3	19:00:07	185512.1500	462524.1200	221769.6600	140796.9600	113705.4800	31398.2060	13101.1240	40.0001
4	19:00:44	184474.5000	461312.1400	220511.9300	140041.9000	113896.3900	31516.9870	13081.9270	35.0001
5	19:01:21	184551.1700	457035.9000	219536.6900	139464.8400	114128.7100	31480.1810	12857.4110	35.0001
x		185456.0000	459911.1900	220437.5400	140212.2700	113655.6500	31427.9850	12957.4000	40.6668
%RSD		0.677	0.653	0.379	0.647	0.407	0.220	0.961	15.016

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:58:54	918858.6500	684556.5100	9277.6616	665422.2200	144545.3200	346047.5400	1115931.9000	32.5001
2	18:59:31	929998.7200	699108.3300	9630.5616	676936.4400	148462.0300	356545.2100	1142284.8000	15.0000
3	19:00:07	940859.9500	704020.9400	9650.5848	686462.9100	148535.8300	358703.7000	1151043.7000	35.0001
4	19:00:44	941345.4600	700962.2800	9452.8584	682036.9600	150576.9700	359045.4500	1152795.3000	42.5001
5	19:01:21	943868.3200	707211.0800	9570.4925	685655.3100	150116.2700	360690.5100	1155990.9000	45.0001
x		934986.2200	699171.8300	9516.4318	679302.7700	148447.2900	356206.4800	1143609.3000	34.0001
%RSD		1.120	1.249	1.619	1.269	1.600	1.647	1.424	34.723

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:58:54	401966.3100	89126.5780	156449.9400	↹1953492.8000	665443.8500	1643958.6000	562595.7200	451060.6700
2	18:59:31	417182.4700	91742.2340	162185.5400	1963972.1000	692581.9400	1720989.5000	590907.9800	471739.7800
3	19:00:07	421599.1300	92781.1410	163819.5400	1983792.5000	707899.7800	1747087.8000	596552.1000	479176.6000
4	19:00:44	423762.3100	92323.6010	163885.8200	1995495.6000	707312.9500	1756103.6000	602140.8700	483921.8600
5	19:01:21	426659.6800	92419.6570	163957.2100	↹2066747.6000	714859.1400	1767478.3000	609632.2100	485997.5900
x		418233.9800	91678.6420	162059.6100	↹1992700.1000	697619.5300	1727123.5000	592365.7800	474379.3000
%RSD		2.326	1.608	1.988	↹2.235	2.829	2.869	3.043	2.981

Run	Time	208Pb	209Bi	220Bkg
1	18:58:54	1156471.2000	1420771.9000	0.0000
2	18:59:31	1201045.3000	1472178.1000	0.0000
3	19:00:07	1227308.4000	1501062.8000	0.0000
4	19:00:44	1237501.2000	1506815.7000	0.0000
5	19:01:21	1251839.7000	1519453.0000	2.5000
x		1214833.2000	1484056.3000	0.5000
%RSD		3.090	2.654	223.607

4) 13061 19 08
CCB 3 06/18/2008 19:03:43
KB 06/18/08
User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:04:19	198764.1600	13.3333	170.0017	20.0000	40.0001	2007.7418	417.5105	480331.5700
2	19:04:56	197419.4200	17.5000	810.0394	80.0004	100.0006	2010.2424	492.5146	493193.6900
3	19:05:33	196342.7600	31.6667	1930.2235	235.0033	370.0082	2032.7479	632.5240	491953.5100
4	19:06:10	198059.3400	24.1667	1680.1694	235.0033	270.0044	2182.7858	650.0254	495624.2200
5	19:06:47	198270.9500	20.8334	1845.2043	360.0078	375.0084	2105.2659	650.0254	502490.1400
x		197771.3300	21.5000	1287.1276	186.0030	231.0043	2067.7568	568.5199	492718.6300
%RSD		0.472	32.359	59.614	73.062	66.792	3.649	18.855	1.631

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:04:19	472.5134	452.5123	970.0565	1975.2341	115.0008	92192.1580	1275.0975	22.5000
2	19:04:56	337.5068	360.0078	1007.5609	2027.7467	175.0018	92705.3040	1377.6139	90.0005
3	19:05:33	300.0054	455.0124	1027.5633	1900.2166	302.5055	93810.0640	1272.5972	130.0010
4	19:06:10	362.5079	367.5081	1050.0662	2105.2659	267.5043	92581.4380	1287.5995	192.5022
5	19:06:47	347.5073	362.5079	1040.0649	2120.2697	272.5045	93890.9680	1330.1061	125.0009
x		364.0082	399.5097	1019.0624	2025.7466	226.5034	93035.9870	1308.6028	112.0009
%RSD		17.829	12.417	3.106	4.522	34.664	0.825	3.436	55.522

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:04:19	22.5000	310.0058	127.5010	150.0014	16.6667	766.7019	30.8334	30.0001
2	19:04:56	32.5001	252.5038	120.0009	242.5035	22.5000	745.0333	37.5001	35.0001
3	19:05:33	62.5002	310.0058	130.0010	230.0032	35.0001	760.0347	45.0001	42.5001
4	19:06:10	47.5001	280.0047	145.0013	202.5025	49.1668	727.5318	42.5001	38.3334
5	19:06:47	52.5002	317.5061	145.0013	235.0033	37.5001	708.3634	46.6668	49.1668
x		43.5001	294.0052	133.5011	212.0028	32.1667	741.5330	40.5001	39.0001
%RSD		36.710	9.288	8.333	17.834	39.908	3.223	15.845	18.713

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	19:04:19	911683.5600	68.7503	5.0000	92.5005	3.7500	6.2500	1101963.3000	15.0000
2	19:04:56	946135.0500	102.5006	10.0000	75.0003	12.5000	27.5000	1137827.3000	42.5001
3	19:05:33	951703.8500	98.7506	7.5000	85.0004	26.2500	52.5002	1159779.7000	12.5000
4	19:06:10	962944.3400	103.7507	5.0000	82.5004	21.2500	50.0001	1171404.7000	17.5000
5	19:06:47	966855.7300	98.7506	10.0000	98.7506	18.7500	67.5003	1176139.8000	10.0000
x		947864.5100	94.5005	7.5000	86.7505	16.5000	40.7501	1149423.0000	19.5000
%RSD		2.308	15.415	33.333	10.569	52.596	58.909	2.643	67.475

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:04:19	810.0394	2.5000	7.5000	1885537.5000	53.7502	157.5015	50.0001	45.0001
2	19:04:56	1040.0649	7.5000	10.0000	1955716.1000	115.0008	283.7548	110.0007	85.0004
3	19:05:33	855.0439	7.5000	27.5000	1981397.9000	193.7523	500.0150	175.0018	125.0009
4	19:06:10	830.0413	20.0000	30.0001	2017340.3000	165.0016	485.0141	142.5012	167.5017
5	19:06:47	715.0307	10.0000	27.5000	τ2104362.7000	186.2521	457.5126	202.5025	105.0007
x		850.0440	9.5000	20.5000	τ1988870.9000	142.7514	376.7596	136.0013	105.5008
%RSD		13.964	68.117	52.736	τ4.052	40.967	39.848	43.590	43.191

Run	Time	208Pb	209Bi	220Bkg
1	19:04:19	140.0012	1412088.6000	0.0000
2	19:04:56	252.5038	1469168.6000	0.0000
3	19:05:33	345.0071	1495392.2000	0.0000
4	19:06:10	315.0060	1521900.1000	0.0000
5	19:06:47	367.5081	1542548.1000	0.0000
x		284.0052	1488219.5000	0.0000
%RSD		32.167	3.409	0.000

SDG/PREP GROUP# MH2600/HGW1608 CONTINUED FROM PAGE#: 0089

Explanations:

Physical Description Log

CASE: 37402 **SDG:** MH2600 **DCL ID:** 8155031, 8155032

DCL Sample #	Matrix	Method **	Prep Date	Amount of Sample Used (mL)	Final Volume of Digested Samples	pH	*Color/Clarity, Texture Before	After	Comments	Init.
PBW	ASTM Type II H_2O	ILM05.4 HW3	06/09/08 10:30	50 mL	50 mL	N/A	N/CL	N/CL	53475	KFB
LCSW	↓	↓	↓	50 mL	50 mL	N/A	N/CL	N/CL	23476	↓
MH2600	Water	↓	↓	50 mL	50 mL	<2	N/CL	N/CL		↓
MH2602	↓	↓	↓	50 mL	50 mL	<2	N/CL	N/CL		↓
MH2604	↓	↓	↓	50 mL	50 mL	<2	N/CL	N/CL		↓
MH2606	↓	↓	↓	50 mL	50 mL	<2	N/CL	N/CL		↓
MH2601	↓	↓	↓	50 mL	50 mL	<2	N/CL	N/CL		↓
MH2603	↓	↓	↓	50 mL	50 mL	<2	N/CL	N/CL		↓
MH2605	↓	↓	↓	50 mL	50 mL	<2	N/CL	N/CL		↓
MH2607	↓	↓	↓	50 mL	50 mL	<2	N/CL	N/CL		↓

KB 06/10/08

COLOR	N = Colorless	BR = Brown	TEXTURE	F = Fine	CLARITY
BL = Black	GR = Gray	OR = Orange		M = Medium	CL = Clear
Y = Yellow	R = Red	W = White		C = Coarse	CO = Cloudy

KB 06/10/08

CONTINUED ON PAGE# X

Preparer Signature/Date: Kristen Bitner 06/10/08

Reviewer Signature/Date: John Kerschenski 06/20/08

SAMPLE TAG INFORMATION SHEET

There are no Sample Tags included with this SDG

Notations concerning the location of the Sample Tags are included in Forms DC-1, DC-2 and in the SDG Administrative Narrative (if it is required).

Sample Delivery Group (SDG)
Cover Sheet

SDG Number: MH2600

☐ ICPAES ☒ ICPMS ☐ HG ☐ CN

Laboratory Name: DataChem Laboratories, Inc.

Laboratory Code: DATAC

Contract No.: EP-W-06-054

Case No.: 37402

Analysis Price: N/A

SDG Turnaround: 21

Modified Analysis (if applicable):

Modification Reference No.: 1554.1

EPA Sample Numbers in SDG (Listed in Numerical Order)

1) MH2600	7) MH2606	13)	19)
2) MH2601	8) MH2607	14)	20)
3) MH2602	9)	15)	21)
4) MH2603	10)	16)	22)
5) MH2604	11)	17)	23)
6) MH2605	12)	18)	24)

MH 6/11/08

MH2600	MH2607
First Sample in SDG	Last Sample in SDG
06/03/08	06/03/08
First Sample Receipt Date	Last Sample Receipt Date

Note: *There are a maximum of 20 field samples (excluding PE samples) in an SDG. Attach the TR/COC records to this form in alphanumeric order (the order listed above on this form).*

Signature: Meredith Edwards

Date: 6/11/2008

DataChem Laboratories, Inc.
CHAIN-OF-CUSTODY

Project / Job / Task: P056L001 | **Split:** | **Workorder ID:** 8155031

Client: U. S. EPA Region 8 | **Account:** 08201

Comments:

Item	Collect Date/Time	Sample ID	Lab ID	QC	Matrix	Preservatives: HNO3	Containers: Count	LM05.4 ICP-MS, Water	LM05.4 Prep/Extr/Dig
1	6/2/2008 13:15	MH2600	8155031001		Water		1	X	X
2	6/2/2008 14:30	MH2602	8155031002		Water		1	X	X
3	6/2/2008 15:15	MH2604	8155031003		Water		1	X	X
4	6/2/2008 16:00	MH2606	8155031004		Water		1	X	X
5									
6									
7									
8									
9									
10									

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location
Loretz, Nicole F.	06/03/2008 08:40	DCL Sample Receiving	Sample Login
Meredith Edwards	6/3/08 1900	Bob Lear	Storage
R-33-1 KB	06/09/08 10:30	Kristie Bitner	ICP-MS Prep

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep / Analysis for: ICP-MS | Lab Notebook No.: ISP 339

Prepared / Analyzed by: Kristie Bitner | Date / Time: 06/09/08 10:30

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location
Kristie Bitner	06/10/08 17:00	ICP-MS Lab KB	ICP-MS Analysis

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DataChem Laboratories, Inc.
CHAIN-OF-CUSTODY

Project / Job / Task: P056L001 | **Split:** | **Workorder ID:** 8155032

Client: U. S. EPA Region 8 | **Account:** 08201

Comments:

Item	Collect Date/Time	Sample ID	Lab ID	QC	Matrix	Preservatives: HNO3	Containers: Count	LM05.4 ICP-MS, Water	LM05.4 PrepExtrDig
1	6/2/2008 13:15	MH2601	8155032001		Water		1	X	X
2	6/2/2008 14:30	MH2603	8155032002		Water		1	X	X
3	6/2/2008 15:15	MH2605	8155032003		Water		1	X	X
4	6/2/2008 16:00	MH2607	8155032004		Water		1	X	X
5									
6									
7									
8									
9									
10									

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location
Loretz, Nicole F.	06/03/2008 08.40	DCL Sample Receiving	Sample Login
Meredith Edwards	6/3/08 1700	R-33-1 DCL	Storage
R-33-1 KB	06/09/08 10:30	Kristie Bates	ICP-MS Prep

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep / Analysis for: ICP-MS | Lab Notebook No.: ISP 339

Prepared / Analyzed by: Kristie Bates | Date / Time: 06/09/08 10:30

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location
Kristie Bates	06/10/08 17:00	ICP-MS Lab KB	ICP-MS Analysis

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Batch Worklist

DATA CHEM LABORATORIES, INC.

Batch EMS/ 1237 **Created** 6/10/2008 09:57 **HBN** 16508

Rule ILM ICP-MS HW3 Prep **Analyst** K. Bitner **Status** NA

Workorder 8155031 **CASE** 37402 **SDG** MH2600 **MODN** 1554.1

Workorder 8155032 **CASE** 37402 **SDG** MH2600 **MODN** 1554.1

Pos	Lab ID	Sample ID	Prep Initial	Prep Final	Mx	Type	Container	Procedure	Mgr	Expire Date	Due Date
1	53475	PBW			3	PBW		ILMMSW..3P	5239	12/7/2008	6/7/2008
2	53476	LCSW			3	LCSW		ILMMSW..3P	5239	12/7/2008	6/7/2008
3	8155031001	MH2600			3	SAMPLE	8155031001-A	I54MSW..3P	5936	11/30/2008	6/7/2008
4	8155031002	MH2602			3	SAMPLE	8155031002-A	I54MSW..3P	5936	11/30/2008	6/7/2008
5	8155031003	MH2604			3	SAMPLE	8155031003-A	I54MSW..3P	5936	11/30/2008	6/7/2008
6	8155031004	MH2606			3	SAMPLE	8155031004-A	I54MSW..3P	5936	11/30/2008	6/7/2008
7	8155032001	MH2601			3	SAMPLE	8155032001-A	I54MSW..3P	5936	11/30/2008	6/7/2008
8	8155032002	MH2603			3	SAMPLE	8155032002-A	I54MSW..3P	5936	11/30/2008	6/7/2008
9	8155032003	MH2605			3	SAMPLE	8155032003-A	I54MSW..3P	5936	11/30/2008	6/7/2008
10	8155032004	MH2607			3	SAMPLE	8155032004-A	I54MSW..3P	5936	11/30/2008	6/7/2008

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DCL INORGANIC SAMPLE PREPARATION NOTE BOOK ISP 339 PAGE 0089

GENERAL

Redigestion? (Y/N): N Original Bk/Pg: NA

DCL Set ID	Sample ID / TCLP Write-up Bk/Pg	Analytes	Account
8155031	MH2600, 02, 04, 06	ICP-MS + Al, Ca, Fe, Mg	8201
8155032	MH2601, 03, 05, 07	ICP-MS + Al, Ca, Fe, Mg	8201

KB 06/10/08

Prep Group # HBN 16508

Hood: ICP-MS #33

Micro: NA

SDG: MH2600

Case: 37402

Sample Description (Bk/Pg): Water 090 ISP 339 / ~~08~~ KB 06/10/08

QC INFORMATION (All QC's prepared using same method as samples)

DCL QC ID	Matrix source	Spike source ID (include Bk/Pg)	Pipet ID	Spike Vol
PBW	ASTM Type II H_2O	NA	NA	NA
LCSW	↓	ICP-PS-07-023 (2261/91)	2163121	1.0 mL

KB 06/10/08

QC's spiked by: KB Witness: NA

METHOD INFORMATION

Method reagents/Lots ID's:
1mL of 1:1 HNO_3/1207120 Pipette #2163121
MS-08-111 (4184/35)

0.5mL of 1:1 HCl/4207040 Pipette #279094
Prepared as needed

Balance ID: NA
Samples measured using: 50 mL polypropylene tubes
Digestion glassware type: ↓
Final volume container type: ↓
Amount of sample used: 50 mL
Final sample volume: ↓

Explanations below -- if redigesting, WHY, Modified method? (Y/N) Y WHAT/WHY: Analyte list, No MD or MS.

Kristie Bitner 06/09/08 10:30 Retrieved samples from R-33-1 and allowed to warm. Kristie Bitner 06/09/08 17:00 Kristie Bitner 06/10/08 09:30 Rinsed digestion tubes, ribbed watch glasses and caps. Transferred 50 mL aliquots of samples to digestion tubes. Covered with ribbed watch glasses. Spiked LCSW as indicated above. No MD or MS were prepared with this SDG. Carefully added 1mL of 1:1 HNO_3 and 0.5 mL of 1:1 HCl to each sample. Placed samples into a block digester with a set point of 117.5°. Time in 10:30. The temperature was checked at 12:00 using thermometer ICP/MS-2, 94.4°C. As samples were reduced to ~20 mL they were removed from the block digester. All reduced and removed from block digester by 15:25. Watch glasses were replaced with caps and samples placed back into the block digester to reflux from 15:30 – 16:00. Samples removed from the heat and allowed to cool. After cooling samples were brought to volume with ASTM Type II H_2O, capped and shook to mix. Kristie Bitner 06/10/08

METHOD/DCL SOP USED (Include revision): ILM05.4 HW3 MOD # 1554.1 CONTINUED ON PAGE #: 090

Preparer Signature/Date: Kristie Bitner 06/10/08

Reviewer Signature/Date: John Kershaw 06/10/08

From Page No. X

RECIPES

THERMO 6020 ICSA = ADD 1mL OF ICSA PRIMARY TO 9mL OF 1% HNO_3 + MIX.

THERMO 6020 ICSAB = ADD 1mL OF ICSA PRIMARY, 0.1mL OF ICSAB PRIMARY TO 8.9 mL OF 1% HNO_3 + MIX.

X-CAL = SPIKE 1.25 mL OF "X-CAL" PRIMARY CONSISTING OF Ag, Al, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cs, Cu, Fe, Ga, In, K, Li, Mg, Mn, Na, Ni, Pb, Rb, Se, Sr, Tl, U, V, Zn AT 10 mg/L AND 0.5 mL OF HNO_3 TO A 50mL FLASK CONTAINING SOME ASTM TYPE II H_2O. BRING TO VOLUME, STOPPER + SHAKE. ALL MASSES AT 250 mg/L AT FINAL.

1% HNO_3 = ADD 10 mL OF HNO_3 TO A 1L FLASK CONTAINING SOME ASTM TYPE II H_2O. BRING TO VOLUME WITH MORE ASTM TYPE II H_2O. SEAL + SHAKE. USED FOR SO, ICB, CCB + DILUTIONS.

1:4 HCl = Add 200 mL HCl to 1 L container with some ASTM Type II H_2O. Bring to volume with more ASTM Type II H_2O. Seal + Shake. Used for sample preparation, soils.

1:1 HCl = Add 500 mL ASTM Type II H_2O to 1 L container. Add 500 mL HCl to container, cap and mix by shaking. Used for sample preparation.

1:1 HNO_3 = Add 500 mL ASTM Type II H_2O to 1 L container. Add 500 mL HNO_3 to container, seal and shake to mix. Used for sample preparation.

BD 2/16/06
2% HNO_3 with Au Add 20 mL of HNO_3 to 1 L container with some ASTM Type II H_2O in it. Add 1 mL of 1:1 HCl and 10 mL of 100 µg/mL Au. Bring to 1 L volume, cap & shake. Use for Hg analysis

SO-Urine = To a 500 mL volumetric flask containing ~250 mL of ASTM Type II Water add 50 mL of UriSub and 5 mL of concentrated nitric acid. Dilute to volume with ASTM Type II water, stopper and mix, transfer to teflon bottles for storage.

5.4 CRI = Use "CLP-MS-CRQL-3" primary containing 10 µg/mL Ba; 5 µg/mL Se, V; 2 µg/mL Cr3, Cu, Sb, Zn; 1 µg/mL Ag, As, Be, Cd, Co, Mn, Ni, Pb, Tl. Spike 0.05 mL to a 50 mL Teflon class A flask, containing some ASTM Type II H_2O with 0.5mL of HNO_3. Bring to volume with ASTM Type II H_2O, Seal & Shake. Final Targets: 10 µg/L B; 5 µg/L Se, V; 2 µg/L Cr3, Cu, Sb, Zn; 1 µg/L Ag, As, Be, Cd, Co, Mn, Ni, Pb, Tl.

To Page No. X

Witnessed & Understood by me,	Date	Invented by	Date
		Recorded by	

Project No. NA

TITLE Datachem Laboratories - ICP-ms solutions Log book

Book No. 4184

From Page No. 34

Date	ICP-ms Solution #	Solution Type	Primary Solution ID # (Book/Page)	Expiration Date	Recipe Page	Acid Lots	Init.	Comments
04/03/08	MS-08-083	Var Tune	IP-PS-07-115 (2261/94)	10/03/08	1	HNO_3-1207060	KB	NA
04/03/08	MS-08-084	Var Tune	IP-PS-07-115 (2261/94)	10/03/08	1	HNO_3-1207060	KB	NA
04/03/08	MS-08-085	1% HNO_3	NA	10/03/08	2	HNO_3-1207060	KB	NA
04/04/08	MS-08-086	6020 Tune	IP-PS-07-116 (2261/94)	10/04/08	1	HNO_3-1207060	KB	NA
04/04/08	MS-08-087	Var IS	IP-PS-07-153 (2261/96)	10/04/08	1	HNO_3-1207060	KB	NA
04/04/08	MS-08-088	5.4 CRI	IP-PS-07-016 (2261/91)	04/05/08	2	HNO_3-1207060	AE	NA
04/07/08	MS-08-089	1:4 HCl Rinse	NA	10/07/08	2	HCl-4207040 HNO_3-1207060	KB	NA
04/08/08	MS-08-090	2%/0.05% Rinse	NA	10/08/08	1	HCl-4207040 HNO_3-1207060	KB	NA
04/11/08	MS-08-091	2%/0.05%	NA	10/11/08	1	HCl-4207040	KB	NA
04/11/08	MS-08-092	Var Tune	IP-PS-07-115 (2261/94)	10/11/08	1	HNO_3-1207060	KB	NA
04/11/08	MS-08-093	X-Cal	IP-PS-07-107 (2261/94)	09/30/08	2	HNO_3-1207060	KB	NA
04/11/08	MS-08-094	5.4 CRI	IP-PS-07-016 (2261/91)	04/12/08	2	HNO_3-1207060	KB	NA
04/13/08	MS-08-095	5.4 CRI	IP-PS-07-016 (2261/91)	04/14/08	2	HNO_3-1207060	AE	NA
04/16/08	MS-08-096	Var Tune	IP-PS-07-115 (2261/94)	10/16/08	1	HNO_3-1207060	KB	NA
04/16/08	MS-08-097	Var Tune	IP-PS-07-115 (2261/94)	10/16/08	1	HNO_3-1207060	KB	NA
04/16/08	MS-08-098	1% HNO_3	NA	10/16/08	2	HNO_3-1207060	KB	NA
04/17/08	MS-08-099	6020 Tune	IP-PS-07-116 (2261/94) NA KB 4/17/08	10/17/08	1	HNO_3-1207060	KB	NA
~~04/17/08~~	~~MS-08-100~~	~~1% HNO_3~~ KB 04/17/08						
04/18/08	MS-08-100	Rinse 2%/0.05%	NA	10/18/08	1	HNO_3-1207060 HCl-4207040	KB	NA
04/18/08	MS-08-101	Var IS	IP-PS-07-153 (2261/96), IP-PS-08-022 (2261/97)	10/18/08	1	HNO_3-1207060	KB	NA
04/18/08	MS-08-102	Rh IS KB 04/21/08	In IP-PS-08-002 (2261/94); IP-PS-07-125 (2261/95)	10/18/08	NA	HNO_3-1207060	KB	IP-PS-07-075 (2261/93)
04/21/08	MS-08-103	Var ~~IS~~ Tune	IP-PS-07-115 (2261/94)	10/21/08	1	HNO_3-1207060	KB	NA
04/21/08	MS-08-104	Var Tune	IP-PS-07-115 (2261/94)	10/21/08	1	HNO_3-1207060 HNO_3-1207120	KB	NA
04/23/08	MS-08-105	Rinse 2%/0.05%	NA	10/23/08	1	HCl-4207040	KB	NA
04/23/08	MS-08-106	Var IS	IP-PS-08-022 (2261/97)	10/23/08	1	HNO_3-1207120	KB	NA
04/23/08	MS-08-107	5.4 CRI	IP-PS-07-016 (2261/91)	04/24/08	2	HNO_3-1207120	KB	NA
04/23/08	MS-08-108	1% HNO_3	NA	10/23/08	2	HNO_3-1207120	KB	NA
04/25/08	MS-08-109	6020 Tune	IP-PS-07-116 (2261/94)	10/25/08	1	HNO_3-1207120	KB	NA
04/25/08	MS-08-110	5.4 CRI	IP-PS-07-016 (2261/91)	04/26/08	2	HNO_3-1207120	KB	NA
04/29/08	MS-08-111	1:1 HNO_3 Rinse	NA	10/29/08	2	HNO_3-1207120	KB	NA
04/30/08	MS-08-112	2%/0.05%	NA	10/30/08	1	HNO_3-1207120 HCl-4207040	KB	NA
05/01/08	MS-08-113	Var Tune	IP-PS-07-115 (2261/94)	11/01/08	1	HNO_3-1207120	KB	NA
05/01/08	MS-08-114	Var Tune	IP-PS-07-115 (2261/94)	11/01/08	1	HNO_3-1207120	KB	NA
05/02/08	MS-08-115	1% HNO_3	NA	11/02/08	2	HNO_3-1207120	KB	NA
05/05/08	MS-08-116	X-Cal	IP-PS-07-107 (2261/94)	11/05/08	2	HNO_3-1207120	KB	NA

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Witnessed & Understood by me, | Date | Invented by | Date 05/08/08

Recorded by Kristie Bethea

Project No. N/A

TITLE DATA CHEM LABORATORIES - PRIMARY STANDARDS LOGBOOK

Book No. 2261

From Page No. 90

DCL SOLUTION #	ANALYTES	CONCENTRATION	VENDOR	LOT #	DATE RECD.	DATE OPENED	DATE EXPIRES	INIT.
(APP-SPL-1) IP-PS-07-0334	Al, Ba / Fe	2,000 ug/mL / 1,000 ug/mL	INORGANIC VENTURES	Z-MEB194075	03/07/07	03/07/07	04/01/08	KE
776 REC 03/07/07	Co, Mn, Ni, V Zn	500 ug/mL						
	Cu / Cr3	250 ug/mL / 200 ug/mL						
	Ag, Be	50 ug/mL						
(APP-SPL-5) IP-PS-07-015	Sb / Cd, Se, Tl	100 ug/mL / 50 ug/mL	INORGANIC VENTURES	Z-CICP180071	03/07/07	03/07/07	04/01/08	KE
776	As / Pb	40 ug/mL / 20 ug/mL						
CRI 3.4 IP-PS-07-016	Ba / Se, V	10 ug/mL / 5 ug/mL	Inorganic Ventures	A2-MEB194150	03/28/07	03/29/07	05/01/08	KB
	Cr3, Cu, Sb, Zn	2 ug/mL						
	Ag, As, Be, Cd, Co, Mn, Ni, Pb, Tl	1 ug/mL						
ISS IP-PS-07-017	Bi, Ho, In, 6Li, Rh, Sc, Tb, Y	10 ug/mL	Inorganic Ventures	Z-MEB194055	03/28/07	03/29/07	05/01/08	KB
ISS IP-PS-07-018	Bi, Ho, In, 6Li, Rh, Sc, Tb, Y	10 ug/mL	Inorganic Ventures	Z-MEB194055	03/28/07	03/29/07	05/01/08	KB
IP-PS-07-019	Al, Ca / Se, As, Fe, Pb, Mg, Ni, Na	1000 ug/mL / 500 ug/mL	CPI	07C089	04/01/07	04/18/07	09/08/08	KE
	Ba, Be, Cr, Co, Li, Mn, Mo, Sr, Ti, V, Y, Zn, Zr, Cu	200 ug/mL						
		200 ug/mL						
6010 ICV IP-PS-07-020	K, Na / Fe	2000 ug/mL / 200 ug/mL	CPI	07C088	04/01/07	04/18/07	09/08/08	KE
	Ba, Ca, Pb, Se, Tl, Al, As, Mg, P, B	400 ug/mL						
	Ag, Be, Cd, Co, Cr, Cu, Mn, Ni, V, Zn, Sr, Li	100 ug/mL						
IP-PS-07-021	Sb, Mo, Sn, Ti, Si	400 ug/mL, 100 ug/mL	CPI	07C088	04/01/07	04/18/07	09/08/08	KE
IP-PS-07-022	ICV-1	See facing page	EPA/QATS	ICV-1 (1201)	04/18/07		NA	KB
IP-PS-07-023	See facing Page							
IP-PS-07-024								
IP-PS-07-025	ICSA (ICP-MS)	See facing page	EPA/QATS	ICSA (0803)	04/18/07	09/23/07	NA	KB
IP-PS-07-026	See facing page					01/17/08		
IP-PS-07-027								
IP-PS-07-028								
IP-PS-07-029								
IP-PS-07-030								
IP-PS-07-031	ICSB (ICP-MS)					09/23/07		
IP-PS-07-032	See facing page	See facing page	EPA/QATS	ICSB (0803)	04/18/07		NA	KB
IP-PS-07-033								
IP-PS-07-034	As	10,000 ug/mL	CPI	07B146	04/01/07	04/20/07	09/30/08	KE
IP-PS-07-035	Ba	10,000 ug/mL	CPI	07C169	04/01/07	04/20/07	09/30/08	KE
IP-PS-07-036	Be	10,000 ug/mL	CPI	07A145	04/01/07	04/20/07	~~09/10~~ 09/04/08	KE

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Witnessed & Understood by me, Kristie Bates

Date 04/20/07

Invented by

Recorded by

Date 04/20/07

Facing Page 91

QATS INORGANIC REFERENCE MATERIAL
INITIAL CALIBRATION VERIFICATION SOLUTIONS
(ICVs)

ICV-1 (1201):		
Element	Concentration (µg/L) (after 10-fold dilution)	Concentration (µg/L) (after 50-fold dilution)
Al	2482	496
Sb	992	198
As	996	199
Ba	502	100
Be	493	99
Cd	494	99
Ca	10180	2036
Cr	490	98
Co	496	99
Cu	490	98
Fe	5107	1021
Pb	996	199
Mg	6003	1201
Mn	495	99
Ni	492	98
K	10008	2002
Se	1005	201
Ag	495	99
Na	10039	2008
Tl	1027	205
V	501	100
Zn	1000	200

KB 4/19/07

QATS INORGANIC REFERENCE MATERIAL
INITIAL CALIBRATION VERIFICATION SOLUTIONS
(ICVs)

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP and AA instruments. These solutions may also be used as aqueous Laboratory Control Solutions.

The values for each element in the ICVs are listed below in µg/L (ppb) for the solutions that result after the concentrates have been diluted according to the following instructions:

1. ICV-1 (1201) — For ICP-AES use, dilute the ICV-1 concentrate 10-fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For ICP-MS use, dilute the ICV-1 concentrate 50-fold with 1% (v/v) nitric acid; pipet 2 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

2. ICV-2 (0601) -- For furnace AA use, dilute the ICV-2 concentrate 20-fold with 2% (v/v) nitric acid; pipet 5 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

3. ICV-3 (0500) -- For ICP use, dilute the ICV-3 concentrate 10-fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For furnace AA use, dilute the ICV-3 concentrate 100-fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

KB 4/19/07

4. ICV-4 (0499) -- For the furnace AA determination of lead and thallium, dilute the ICV-4 concentrate 10-fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For the furnace AA determination of silver and cadmium, dilute the ICV-4 concentrate 100-fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

5. ICV-5 (1104) -- For the cold vapor analysis of mercury by AA, dilute the ICV-5 concentrate 100-fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV-5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.

6. ICV-6 (0400) -- For the analysis of cyanide, dilute the ICV-6 concentrate 100-fold with Type II water; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

QATS INORGANIC REFERENCE MATERIAL
INTERFERENCE CHECK SAMPLE FOR ICP-MS
PART A (0803) WITH PART B (0803)

Part A (0803), Inferferents: Pipet 10 mL of the Part A solution into a 100-mL volumetric flask and dilute to volume with 1% v/v HNO3. Analyze this solution, Soln. A, by ICP-MS.

Part B (0803), Analytes, mixed with Part A (0803), Interferents: Pipet 10 mL of the Part A solution and 10 mL of the Part B solution into a 100-mL volumetric flask and dilute to volume with 1% v/v HNO3. Analyze this solution, Soln. AB, by ICP-MS.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS PART A (0803) AND PART A (0803) MIXED WITH PART B (0803)

Element	Concentration (µg/L) Part A	Concentration (µg/L) Part A + Part B
Al	[100000]	[100000]
Sb	(1.5)	22
As	(0.1)	19
Ba	(1.2)	22
Be	(0)	19
Cd	(0.7)	20
Ca	[100000]	[100000]
C	[200000]	[200000]
Cl	[1000000]	[1000000]
Cr	21	40
Co	1	20
Cu	8	25
Fe	[100000]	[100000]
Pb	4	25
Mg	[100000]	[100000]
Mn	7	27
Mo	[2000]	[2000]
Ni	6	24
P	[100000]	[100000]
K	[100000]	[100000]
Se	(0.3)	19
Ag	(0)	18
Na	[100000]	[100000]
S	[100000]	[100000]
Tl	(0)	21
Ti	[2000]	[2000]
V	(0.5)	19
Zn	11	29

KB 04/19/07

[ ] INDICATES ANALYTES THAT DO NOT REQUIRE ICP-MS DETERMINATION IN THE ICS.
( ) INDICATES ANALYTE VALUES THAT ARE LESS THAN THE CRQL AND THE VALUE IS TO BE USED AS A SET POINT FOR THE ± 3 TIMES CRQL ACCEPTANCE CRITERIA CALCULATIONS.

Batch Worklist

DATA CHEM LABORATORIES, INC.

Batch EMS/ 1240 **Created** 6/19/2008 15:41 **HBN** 16835

Rule ILM ICP-MS Water Analysis **Analyst** K. Bitner **Status** WP

Workorder 8155031 **CASE** 37402 **SDG** MH2600 **MODN** 1554.1

Workorder 8155032 **CASE** 37402 **SDG** MH2600 **MODN** 1554.1

Pos	Lab ID	Sample ID	Prep Initial	Prep Final	Mx	Type	Container	Procedure	Mgr	Expire Date	Due Date
1	54380	S0			3	STB		ILMMSW...3	5239	12/16/2008	6/19/2008
	Runs MS208065, MS208066										
2	54381	S2			3	STC		ILMMSW...3	5239	12/16/2008	6/19/2008
3	54382	S5			3	STD		ILMMSW...3	5239	12/16/2008	6/19/2008
4	54383	S10			3	STD		ILMMSW...3	5239	12/16/2008	6/19/2008
5	54384	S50			3	STD		ILMMSW...3	5239	12/16/2008	6/19/2008
6	54385	S200			3	STD		ILMMSW...3	5239	12/16/2008	6/19/2008
7	54386	S500			3	STD		ILMMSW...3	5239	12/16/2008	6/19/2008
8	54387	S1000			3	STD		ILMMSW...3	5239	12/16/2008	6/19/2008
9	54388	S1500			3	STD		ILMMSW...3	5239	12/16/2008	6/19/2008
10	54389	S2000			3	STD		ILMMSW...3	5239	12/16/2008	6/19/2008
11	54390	ICV			3	ICV		ILMMSW...3	5239	12/16/2008	6/19/2008
12	54391	ICB			3	ICB		ILMMSW...3	5239	12/16/2008	6/19/2008
13	54392	CRII			3	CRI		ILMMSW...3	5239	12/16/2008	6/19/2008
14	54393	ICSA			3	ICSA		ILMMSW...3	5239	12/16/2008	6/19/2008
15	54394	ICSAB			3	ICSAB		ILMMSW...3	5239	12/16/2008	6/19/2008
16	54395	CCV			3	CCV		ILMMSW...3	5239	12/16/2008	6/19/2008
17	54396	CCB			3	CCB		ILMMSW...3	5239	12/16/2008	6/19/2008
18	53475	PBW	50 mL	50 mL	3	PBW		ILMMSW...3	5239	12/7/2008	6/8/2008
19	53476	LCSW	50 mL	50 mL	3	LCSW		ILMMSW...3	5239	12/7/2008	6/8/2008
20	8155031001	MH2600	50 mL	50 mL	3	SAMPLE	8155031001-A	I54MSW...3	5936	11/30/2008	6/22/2008
	Ca-2x MS208066										
21	8155031002	MH2602	50 mL	50 mL	3	SAMPLE	8155031002-A	I54MSW...3	5936	11/30/2008	6/22/2008
22	8155031003	MH2604	50 mL	50 mL	3	SAMPLE	8155031003-A	I54MSW...3	5936	11/30/2008	6/22/2008
	Ca-2x MS208066										
23	8155031004	MH2606	50 mL	50 mL	3	SAMPLE	8155031004-A	I54MSW...3	5936	11/30/2008	6/22/2008
	Ca-2x MS208066										
24	54397	CCV2			3	CCV		ILMMSW...3	5239	12/16/2008	6/19/2008

Pos	Lab ID	Sample ID	Prep Initial	Prep Final	Mx	Type	Container	Procedure	Mgr	Expire Date	Due Date
25	54398	CCB2			3	CCB		ILMMSW...3	5239	12/16/2008	6/19/2008
26	8155032001 *Ca-2X MS208066*	MH2601	50 mL	50 mL	3	SAMPLE	8155032001-A	I54MSW...3	5936	11/30/2008	6/22/2008
27	8155032002	MH2603	50 mL	50 mL	3	SAMPLE	8155032002-A	I54MSW...3	5936	11/30/2008	6/22/2008
28	8155032003 *Ca-2x MS208066*	MH2605	50 mL	50 mL	3	SAMPLE	8155032003-A	I54MSW...3	5936	11/30/2008	6/22/2008
29	8155032004 *Ca-2X MS208066*	MH2607	50 mL	50 mL	3	SAMPLE	8155032004-A	I54MSW...3	5936	11/30/2008	6/22/2008
30	54399 *Ca-2x MS208066*	MH2600L			3	SD		ILMMSW...3	5239	11/30/2008	6/22/2008
31	54400	CRIF			3	CRI		ILMMSW...3	5239	12/16/2008	6/19/2008
32	54401	CCV3			3	CCV		ILMMSW...3	5239	12/16/2008	6/19/2008
33	54402	CCB3			3	CCB		ILMMSW...3	5239	12/16/2008	6/19/2008

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Project No. NA

TITLE Datachem Laboratories ICP-MS ILM08.4 HW3

Book No. 4659

From Page No. X

Workorder ID	Sample #'s	Analytes	Prep Write-up(Bk./Pg.)	Prep Date/Time	Analysis HBN #	Account #
8155031	MH2600,2,4,6	#1/Water	ISP 339/0089-090	6/9/08 10:30	16835	8201
8155032	MH2601,3,5,7	#1/Water	ISP 339/0089-090	6/9/08 10:30	16835	8201

#1 = 9Be, 51V, 52Cr, 55Mn, 59Co, 60Ni, 63Cu, 66Zn, 75As, 82Se, 107Ag, 111Cd, 121Sb, 137Ba, 205Tl, 208Pb and 24Mg, 27Al, 44Ca, 57Fe

HW3 Conversion Factor : (µg/L from instrument)(0.050 L Final Volume/0.050 L Initial Volume) = 1 µg/L

CALIBRATION AND QC STANDARDS UTILIZED:

	ID #	Book/Page
Calibration Std S0/ICB/CCB(1% HNO_3)	MS-08-139	4184/36
Calibration Std (S2)	25X of EI-SS-08-127	4721/27
Calibration Std (S5)	10X of EI-SS-08-127	4721/27
Calibration Std (S10)	5X of EI-SS-08-127	4721/27
Calibration Std (S50)	EI-SS-08-127	4721/27
Calibration Std (S200)	EI-SS-08-128	4721/28
Calibration Std (S500)	EI-SS-08-129	4721/29
Calibration Std (S1000)	EI-SS-08-130	4721/30
Calibration Std (S1500)	EI-SS-08-131	4721/31
Calibration Std (S2000)	EI-SS-08-132	4721/32
ICV	EI-SS-08-133	4721/33
CRI	MS-08-143	4184/36
ICSA	EI-SS-08-134	4721/34
ICSAB	EI-SS-08-135	4721/35
CCV	EI-SS-08-136	4721/36
Internal Standards	MS-08-130	4184/36
Rinse	MS-08-141	4184/36

SDG: MH2600
CASE: 37402
Prep Method: HW3
Analysis Method: ILM05.4, MOD 1554.1
Analysis Date: 06/17/08
Instrument ID: ICPM02
Results File: MS208065

Scanning Mode: Peak Jumping
Sweeps: 40
Channels per Mass: 1
Acquisition Duration: 33467
Channel Spacing: 0.02
Replicates: 5

Instrument Parameters:

Major		Minor		Global	
Extraction:	-145	Lens 2:	-44.7	Standard Resolution:	170
Lens 1:	2.9	Lens 3:	-142.7	High Resolution:	115
Focus:	24.1	Forward Power:	1404	Analogue Detector:	1550
D1:	-34.5	Horizontal:	100	PC Detector:	2830
Pole Bias:	2.5	Vertical:	475		
Hexapole Bias:	4.5	D2:	-160		
Nebuliser:	0.77	DA:	-80.0		
Sample Depth:	105	Cool:	13.0		
		Auxiliary:	0.80		

KB 06/19/08

Dilutions: No dilutions were analyzed with this run.

Comments: S2 was prepared by taking 9.6 mL of MS-08-139 (4184/36) and adding 0.4 mL of EI-SS-08-127 (4721/27) and mixing in a 14 mL Falcon tube.
S5 was prepared by taking 9.0 mL of MS-08-139 (4184/36) and adding 1.0 mL of EI-SS-08-127 (4721/27) and mixing in a 14 mL Falcon tube.
S10 was prepared by taking 8.0 mL of MS-08-139 (4184/36) and adding 2.0 mL of EI-SS-08-127 (4721/27) and mixing in a 14 mL Falcon tube.
The S2, S5 and S10 were all prepared just prior to analysis and expire at the end of the next day.
Pipettes R56213M (1-10 mL), 279094 (100-1000 µL) and 2163121 (1000 µL) were used for the dilutions.

A Cross Calibration was performed using solution MS-08-127 (4184/36), before the performance report.
A Performance report was done to tune the instrument using "ILM05.3" and solution MS-08-142 (4184/36), before calibration.

A serial dilution was done by combining 4 mL of MS-08-139 (4184/36) and 1 mL of MH2600, then mixed in a 14 mL Falcon tube.

75As failed the CRII, 111Cd failed the ICSA, 82Se failed the ICSAB and 44Ca needed dilutions, these analytes reported from run MS208066.
Due to insufficient sample volume no matrix duplicate or matrix spike were prepared or analyzed with this SDG.

To Page No. X

Witnessed & Understood by me, [signature] Date 6/20/08

Invented by: Date 06/19/08

Recorded by: [signature]

Project No. ___

TITLE DataChem Laboratories ICP-MS ILM05.4 HW3 Book No. 4659

From Page No. x

Workorder ID	Sample #'s	Analytes	Prep Write-up(Bk./Pg.)	Prep Date/Time	Analysis HBN #	Account #
8155031	MH2600,2,4,6	#1/Water	ISP 339/0089-090	6/9/08 10:30	16835	8201
8155032	MH2601,3,5,7	#1/Water	ISP 339/0089-090	6/9/08 10:30	16835	8201

#1 = 9Be, 51V, 52Cr, 55Mn, 59Co, 60Ni, 63Cu, 66Zn, 75As, 82Se, 107Ag, 111Cd, 121Sb, 137Ba, 205Tl, 208Pb and 24Mg, 27Al, 44Ca, 57Fe

HW3 Conversion Factor : (µg/L from instrument)(0.050 L Final Volume/0.050 L Initial Volume) = 1 µg/L

CALIBRATION AND QC STANDARDS UTILIZED:

	ID #	Book/Page
Calibration Std S0/ICB/CCB(1% HNO_3)	MS-08-139	4184/36
Calibration Std (S2)	25X of EI-SS-08-127	4721/27
Calibration Std (S5)	10X of EI-SS-08-127	4721/27
Calibration Std (S10)	5X of EI-SS-08-127	4721/27
Calibration Std (S50)	EI-SS-08-127	4721/27
Calibration Std (S200)	EI-SS-08-128	4721/28
Calibration Std (S500)	EI-SS-08-129	4721/29
Calibration Std (S1000)	EI-SS-08-130	4721/30
Calibration Std (S1500)	EI-SS-08-131	4721/31
Calibration Std (S2000)	EI-SS-08-132	4721/32
ICV	EI-SS-08-133	4721/33
CRI	MS-08-143	4184/36
ICSA	EI-SS-08-134	4721/34
ICSAB	EI-SS-08-135	4721/35
CCV	EI-SS-08-136	4721/36
Internal Standards	MS-08-130	4184/36
Rinse	MS-08-141	4184/36

SDG: MH2600
CASE: 37402
Prep Method: HW3
Analysis Method: ILM05.4, MOD 1554.1
Analysis Date: 06/18/08
Instrument ID: ICPM02
Results File: MS208066

Scanning Mode: Peak Jumping
Sweeps: 40
Channels per Mass: 1
Acquisition Duration: 33467
Channel Spacing: 0.02
Replicates: 5

Instrument Parameters:

Major		Minor		Global	
Extraction:	-145	Lens 2:	-44.7	Standard Resolution:	165
Lens 1:	2.9	Lens 3:	-142.7	High Resolution:	115
Focus:	24.1	Forward Power:	1404	Analogue Detector:	1550
D1:	-34.5	Horizontal:	100	PC Detector:	2830
Pole Bias:	2.5	Vertical:	475		
Hexapole Bias:	4.5	D2:	-160		
Nebuliser:	0.77	DA:	-80.0		
Sample Depth:	110	Cool:	13.0		
		Auxiliary:	0.80		

KB 06/19/08

Dilutions: Samples MH2600, MH2604, MH2606, MH2601, MH2605, MH2607 were diluted 2X for calcium.

Comments: S2 was prepared by taking 9.6 mL of MS-08-139 (4184/36) and adding 0.4 mL of EI-SS-08-127 (4721/27) and mixing in a 14 mL Falcon tube.
S5 was prepared by taking 9.0 mL of MS-08-139 (4184/36) and adding 1.0 mL of EI-SS-08-127 (4721/27) and mixing in a 14 mL Falcon tube.
S10 was prepared by taking 8.0 mL of MS-08-139 (4184/36) and adding 2.0 mL of EI-SS-08-127 (4721/27) and mixing in a 14 mL Falcon tube.
The S2, S5 and S10 were all prepared just prior to analysis and expire at the end of the next day.
Pipettes R56213M (1-10 mL), 279094 (100-1000 µL) and 2163121 (1000 µL) were used for the dilutions.

A Cross Calibration was performed using solution MS-08-127 (4184/36), before the performance report.
A Performance report was done to tune the instrument using "ILM05.3" and solution MS-08-144 (4184/36), before calibration.

A serial dilution was done by combining 4 mL of MS-08-139 (4184/36) and 1 mL of MH2600, and a 2X diluted sample for Ca, then mixed in 14 mL Falcon tubes.

Reported 75As, 111Cd, 82Se and 44Ca from this run.
Due to insufficient sample volume no matrix duplicate or matrix spike were prepared or analyzed with this SDG.

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Witnessed & Understood by me, [signature] Date 6/20/08

Invented by: Date 06/19/08

Recorded by: [signature]

Project No. KA

TITLE DataChem Laboratories - ICPMS2 Instrument Run Logbook Book No. 4183

From Page No. 16

Date	Time On	Time Off	Total Time	Method	Matrix	Acct. #	Set-ID's / Comments	# of Samples	Run #	Init.
04/17/08	12:22	21:29	547 min	6020	Water	LI	08E-0171-02 Water MDLs Run #1	40	MS208045	KB
04/18/08	15:49	20:51	302 min	6020	Water	LI	08E-0171-02 Water MDLs Run #2	40	MS208046	KB
04/23/08	10:47	13:55	188 min	ILMO5.4	Water	8201	8102028 SDG# ME2018	11	MS208047	KB
04/23/08	14:26	17:56	1/210 min KB 04/24/08	ILMO5.4	WATER	8201	8102028 ME2018	11	MS208048	AE
04/25/08	10:44	12:48	124 min	ILMO5.4	Water	8201	8107028 MX2MW4	2	MS208049	KB
05/05/08	14:42	17:49	187 min	6020,70 KB 5/6/08	Soil Bulk	8001 7003	08E-0299-01, 08I-0615-01	2	MS208050	KB
05/14/08	10:41	13:12	151 min	ILMO5.4	Water	8201	8120034, 8124001 ME0090	5	MS208051	KB
05/15/08	15:26	20:48	322 min	6020	Water	LI	08E-0171-02	40	MS208052	KB
08/16/08	16:10	19:10	180 min	6020/200.8	Water	8001	08E-0328-07, 09	2	MS208053	KB
05/21/08	14:32	21:23	411 min	200.8	Water	LI	07E-0001-144	40	MS208054	KB
05/23/08	11:19	14:16	177 min	ILMO5.4	Water	8201	8141028, 8141030 ME0063	10	MS208055	KB
05/23/08	14:57	18:48	231 min	ILMO5.4	Water	8201	8141028, 8141030 ME0063	10	MS208056	KB
05/27/08	11:45	16:36	291 min	ILMO5.4	Water	8201	8141028, 8141038 ME0063	10	MS208057	KB
05/27/08	16:42	19:13	151 MIN	ILMO5.4	WATER	8201	8141028, 8141038 NOT USED, ISSUES	2	MS208058	AE
05/28/08	11:50	14:21	151 MIN	ILMO5.4	WATER	8201	8141028, 8141038 60ui, 63cu DILUTIONS	2	MS208059	AE
06/02/08	12:49	14:59	130 MIN	ILMO5.4	WATER	8201	8145006 MJ94M4	2	MS208060	AE
06/02/08	16:30	20:16	226 MIN	ILMO5.4	WATER	8201	8143035 MC0050	16	MS208061	AE
06/03/08	10:31	11:40	69 MIN	ILMO5.4	WATER	8201	8143035 55min DILUTIONS MC0050	2	MS208062	AE
06/6/08	16:03	18:02	119 min	ILMO5.4	Water	8201	8150026	1	MS208063	KB
06/13/08	10:47	12:22	95 MIN	ILMO5.4	KB 06/13/08 Bulk	1101	8164030	2	MS208064	AE
06/17/08	17:18	20:16	178 min	ILMO5.4	Water	8201	8155031, 8155032 MH2600	8	MS208065	KB
06/18/08	15:10	19:03	238 min	ILMO5.4	Water	8201	8155031, 8155032 MH2600	8	MS208066	KB 06/22/08
06/23/08	13:16	17:14	238 min	ILMO5.4	Water	8201	8162025 ME3M50	18	MS208067	KB

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Witnessed & Understood by me, Date

Invented by Date

Recorded by

From Page No. X

RECIPES

5.3CRI = USE "CLP-MS-CRGL-2" PRIMARY CONTAINING 10 ug/mL Ba; 5 ug/mL Se; 2 ug/mL Sb, Cr, Cu, Zn; 1 ug/mL Ag, As, Be, Cd, Co, Mn, Pb, Ni, Tl, V. SPIKE 0.05 mL TO A 50 mL TEFLON CLASS A FLASK, CONTAINING SOME ASTM TYPE II H_2O WITH 0.5 mL OF HNO_3. BRING TO VOLUME WITH ASTM TYPE II H_2O. SEAL + SHAKE FLASK.
FINAL TARGETS: 10 ug/L Ba, 5 ug/L Se; 2 ug/L Sb, Cr, Cu, Zn; 1 ug/L Ag, As, Be, Cd, Co, Mn, Pb, Ni, Tl, V in 1% HNO_3

VARIAN TUNE = SPIKE 0.5 mL OF "VAR-TS-MS" PRIMARY CONTAINING 10 ug/mL Ba, Be, Ce, Co, In, Pb, Mg, Tl, Th AND 0.5 mL OF HNO_3 TO A 50 mL FLASK CONTAINING SOME ASTM TYPE II H_2O. BRING TO VOLUME WITH ASTM TYPE II H_2O. SEAL + SHAKE.
FINAL TARGETS: 100 ug/L Ba, Be, Ce, Co, In, Pb, Mg, Tl, Th in 1% HNO_3.

6020 TUNE = SPIKE 0.5 mL OF "6020TS" PRIMARY CONTAINING 10 ug/mL Co, In, Li, Tl AND 0.5 mL OF HNO_3 TO A 50 mL FLASK CONTAINING SOME ASTM TYPE II H_2O. BRING TO VOLUME WITH ASTM TYPE II H_2O. SEAL + SHAKE.
FINAL TARGETS: 100 ug/L Co, In, Li, Tl in 1% HNO_3.

TUNE A = SPIKE ~~0.5~~ 0.05 mL OF "TUNE A" PRIMARY, CONTAINING 10 ug/mL OF Li, Be, Co, Ni, In, Ba, Ce, Pb, U + 100 ug/mL OF As, Se; AND 0.5 mL OF HNO_3 TO A 50 mL CONTAINING SOME ASTM TYPE II H_2O. BRING TO VOLUME WITH ASTM TYPE II H_2O. SEAL + SHAKE. NE 4/13/04
FINAL TARGETS: 10 ug/L Li, Be, Co, Ni, In, Ba, Be, Ce, Pb, U; 100 ug/L As, Se.

TUNE B = SPIKE 0.5 mL OF "TUNE B" PRIMARY, CONTAINING 100 ug/mL Be; 50 ug/mL Li; 25 ug/mL Mg, Se; 20 ug/mL Co; 10 ug/mL Y, In, Ce, Tl; 5 ug/mL Tb, U, AND 0.5 mL OF HNO_3 TO A 50 mL FLASK. BRING TO VOLUME. SEAL + SHAKE.
FINAL TARGETS: 1000 ug/L Be; 500 ug/L Li; 250 ug/L Mg, Sc; 200 ug/L Co; 100 ug/L Y, In, Ce, Tl; 50 ug/L Tb, U in 1% HNO_3.

VAR IS = SPIKE 40 mL OF "6020ISS" PRIMARY, CONTAINING 10 ug/mL Bi, Ho, In, ^{6}Li, Rh, Sc, Tb, Y AND 20 mL OF HNO_3 TO A 2L CONTAINER CONTAINING SOME ASTM TYPE II H_2O. BRING TO VOLUME. SEAL + SHAKE.
FINAL TARGETS: 200 ug/L Bi, Ho, In, ^{6}Li, Rh, Sc, Tb, Y in 1% HNO_3.

THERMO IS = SPIKE 4 mL OF "THERMO IS MIX" PRIMARY, CONTAINING 100 mg/L ^{6}Li, Sc; 20 mg/L Ga, Y, In, Tb, Bi AND 20 mL OF HNO_3 TO A 2L CONTAINER CONTAINING SOM ASTM TYPE II H_2O. BRING TO VOLUME. SEAL + SHAKE.
FINAL TARGETS: 200 ug/L ^{6}Li, Sc; 40 ug/L Ga, Y, In, Tb, Bi in 1% HNO_3.

2%/0.05% = ADD ~~20~~ 40 mL OF HNO_3 AND 1 mL OF HCl or 2 mL OF 1:1 HCl TO A 2L CONTAINER. BRING TO VOLUME, SEAL + SHAKE. NE 4/13/04
RINSE FINAL TARGETS: 2% HNO_3/0.05% HCl

5%/1% = ADD 100 mL OF HNO_3 AND 20 mL OF HCl TO A 2L CONTAINER. BRING TO VOLUME. SEAL + SHAKE.
FINAL TARGETS: 5% HNO_3/1% HCl.

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Witnessed & Understood by me,	Date	Invented by	Date
Kristie Bottini	01/24/05	Recorded by [signature]	01/24/05

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RECIPES

THERMO 6020 ICSA = ADD 1mL OF ICSA PRIMARY TO 9mL OF 1% HNO_3 + MIX.

THERMO 6020 ICSAB = ADD 1mL OF ICSA PRIMARY, 0.1mL OF ICSAB PRIMARY TO 8.9 mL OF 1% HNO_3 + MIX.

X-CAL = SPIKE 1.25 mL OF "X-CAL" PRIMARY CONSISTING OF Ag, Al, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cs, Cu, Fe, Ga, In, K, Li, Mg, Mn, Na, Ni, Pb, Rb, Se, Sr, Tl, U, V, Zn AT 10 mg/L AND 0.5 mL OF HNO_3 TO A 50 mL FLASK CONTAINING SOME ASTM TYPE II H_2O. BRING TO VOLUME, STOPPER + SHAKE. ALL MASSES AT 250 mg/L AT FINAL.

1% HNO_3 = ADD 10 mL OF HNO_3 TO A 1L FLASK CONTAINING SOME ASTM TYPE II H_2O. BRING TO VOLUME WITH MORE ASTM TYPE II H_2O. SEAL + SHAKE. USED FOR ID, ICB, CCB + DILUTIONS.

1:4 HCl = Add 200 mL HCl to 1 L container with some ASTM Type II H_2O. Bring to volume with more ASTM Type II H_2O. Seal + Shake. Used for sample preparation, soils.

1:1 HCl = Add 500 mL ASTM Type II H_2O to 1 L container. Add 500 mL HCl to container, cap and mix by shaking. Used for sample preparation.

1:1 HNO_3 = Add 500 mL ASTM Type II H_2O to 1 L container. Add 500 mL HNO_3 to container, seal and shake to mix. Used for sample preparation.

10 2/16/06
2% HNO_3 with Au Add 20 mL of HNO_3 to 1L container with some ASTM Type II H_2O in it. Add 1mL of 1:1 HCl and 10 mL of 100 µg/mL Au. Bring to 1L volume, cap + shake. Use for Hg analysis

ID-Urine = To a 500 mL volumetric flask containing ~250 mL of ASTM Type II Water add 50 mL of UriSub and 5 mL of concentrated nitric acid. Dilute to volume with ASTM Type II water, stopper and mix, transfer to teflon bottles for storage.

5.4 CRI: Use "CLP-MS-CRQL-3" primary containing 10 µg/mL Ba; 5 µg/mL Se, V; 2 µg/mL Cr3, Cu, Sb, Zn; 1 µg/mL Ag, As, Be, Cd, Co, Mn, Ni, Pb, Tl. Spike 0.05 mL to a 50 mL Teflon class A flask, containing some ASTM Type II H_2O with 0.5 mL of HNO_3. Bring to volume with ASTM Type II H_2O, seal + shake. Final Targets: 10 µg/L B; 5 µg/L Se, V; 2 µg/L Cr3, Cu, Sb, Zn; 1 µg/L Ag, As, Be, Cd, Co, Mn, Ni, Pb, Tl.

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Witnessed & Understood by me, | Date | Invented by | Date
Recorded by

Project No. NA

TITLE Datachem Laboratories - ICP-ms Solutions Logbook

Book No. 4184

From Page No. 35

Date	ICP-ms Solution #	Solution Type	Primary Solution ID # (Book/Page)	Expiration Date	Recipe Page	Acid Lots	Init.	Comments
05/07/08	MS-08-117	Var IS	IP-PS-08-022 (2261/97)	11/07/08	1	HNO_3-1207120	KB	NA
05/08/08	MS-08-118	6020 Tune	IP-PS-07-116 (2261/94)	11/07/08	1	HNO_3-1207120	KB	NA
05/14/08	MS-08-119	Var Tune	IP-PS-07-115 LB 4/30/08 (2261/94)	11/14/08	1	HNO_3-1207120	KB	NA
05/14/08	MS-08-120	Rinse 2%/0.05%	NA	11/14/08	1	HNO_3-1207120 HCl-4207040	KB	NA
05/14/08	MS-08-121	1% HNO_3	NA	11/14/08	2	HNO_3-1207120	KB	NA
05/14/08	MS-08-122	1% HNO_3	NA	11/14/08	2	HNO_3-1207120	KB	NA
06/14/08	MS-08-123	5.4 CRI	IP-PS-08-041 (2261/98)	11/14/08	2	HNO_3-1207120	KB	NA
05/23/08	MS-08-124	Rinse 2%/0.05%	NA	11/23/08	1	HNO_3-1207120 HCl-4207040	KB	NA
05/23/08	MS-08-125	5.4 CRI	IP-PS-08-041 (2261/98)	05/24/08 KB 11/23/08	2	HNO_3-1207120	KB	NA
05/28/08	MS-08-126	5.4 CRI	IP-PS-08-041 (2261/98)	05/28/08	2	HNO_3-1207120	KE	NA
05/28/08	MS-08-127	X-Cal	IP-PS-07-107 (2261/94)	11/28/08	2	HNO_3-1207120	KB	NA
05/28/08	MS-08-128	Var Tune	IP-PS-07-115 (2261/94)	11/28/08	1	HNO_3-1207120	KB	NA
05/28/08	MS-08-129	5.4 CRI	IP-PS-08-041 (2261/98)	05/29/08	2	HNO_3-1207120	KB	NA
05/28/08	MS-08-130	Var IS	IP-PS-08-022,023 (2261/97)	11/28/08	1	HNO_3-1207120	KB	NA
05/28/08	MS-08-131	Rinse 2%/0.05%	NA	11/28/08	1	HNO_3-1207120 HCl-4207040	KB	NA
05/29/08	MS-08-132	Var Tune	IP-PS-07-115 (2261/94)	11/29/08	1	HNO_3-1207120	KB	NA
05/29/08	MS-08-133	Var Tune	IP-PS-07-115 (2261/94)	11/29/08	1	HNO_3-1207120	KB	NA
05/29/08	MS-08-134	Var IS	IP-PS-08-023 (2261/97)	11/29/08	1	HNO_3-1207120	KB	NA
05/29/08	MS-08-135	Rinse 2%/0.05%	NA	11/29/08	1	HNO_3-1207120 HCl-4207040	KB	NA
06/02/08	MS-08-136	5.4 CRI	IP-PS-08-041 (2261/98)	06/04/08	2	HNO_3-1207120	KE	NA
06/03/08	MS-08-137	6020 Tune	IP-PS-07-116 LB 06/03/08 (2261/94)	12/03/08	1	HNO_3-1207120	KB	NA
06/06/08	MS-08-138	Var Tune	IP-PS-07-115 (2261/94)	12/06/08	1	HNO_3-1207120	KB	NA
06/06/08	MS-08-139	1% HNO_3	NA	12/06/08	2	HNO_3-1207120	KB	NA
06/10/08	MS-08-140	5.4 CRI	IP-PS-08-041 (2261/98)	06/11/08	2	HNO_3-1207120	KB	NA
06/13/08	MS-08-141	Rinse 2%/0.05%	NA	12/13/08	1	HNO_3-1207120 HCl-4207040	JK	NA
06/17/08	MS-08-142	Var Tune	IP-PS-07-115 (2261/94)	12/17/08	1	HNO_3-1207120	KB	NA
06/17/08	MS-08-143	5.4 CRI	IP-PS-08-041 (2261/98)	06/18/08	2	HNO_3-1207120	KB	NA
06/18/08	MS-08-144	Var Tune	IP-PS-07-115 (2261/94)	12/18/08	1	HNO_3-1207120	KB	NA
06/18/08	MS-08-145	Var Tune	IP-PS-07-115 (2261/94)	12/18/08	1	HNO_3-1207120	KB	NA
06/18/08	MS-08-146	5.4 CRI	IP-PS-08-041 (2261/98)	06/19/08	2	HNO_3-1207120	KB	NA

To Page No.

Witnessed & Understood by me, | Date | Invented by | Date

Recorded by

Project No. 14

TITLE Datachem Laboratories - Secondary Standards Logbook

Book No. 4721

From Page No. x

ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-127	ILM05.4 S50

This format is used to make a secondary solution from a raw chemical or purchased solution only.

Analyte	PRIMARY ID# (INCLUDING BOOK/PG.)	PRIMARY CONC.	VOLUME OF PRIMARY	FINAL CONC.
Al	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
Sb	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
As	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
Ba	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
Be	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
Cd	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
Ca	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
Cr	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
Co	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
Cu	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
Fe	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
Pb	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
Mg	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
Mn	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
Ni	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
K	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
Se	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
Ag	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
Na	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
Tl	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
V	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
Zn	IP-PS-07-150 (2261/96)	20 µg/mL	0.5 mL	50 µg/L
			FINAL VOL.:	200 mL

Date Made: 06/17/2008

Expiration date: 07/01/2008

Date verified: 06/17/08

Verified by: KB

Verification data found in File#: MS208069

Verification instrument: ICPM02

Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

KB 06/17/08

Comments: This solution is also used to make the S2, S5 and S10 Calibration Standards.

Solution Replaces: N/A

CALIBRATED MICROPIPETTORS, CLASS A PIPETTES AND VOLUMETRIC FLASKS WERE USED TO MAKE THIS SOLUTION.

VOLUMES OF PRIMARY SOLUTIONS WERE TAKEN TO THE FINAL VOLUME IN THE MATRIX ABOVE.

CALCULATION: ((FINAL VOL.) * (FINAL VOL. CONC.)) / CONC. OF PRIMARY = VOL. OF PRIMARY SOLUTION USED

To Page No. x

Witnessed & Understood by me, [signature] Date 6/19/08

Invented by: Date 06/17/08

Recorded by: Kristie Bettin

Project No. dt

TITLE DataChem Laboratories - Secondary Standards Logbook

Book No. 4721

From Page No. x

ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-128	ILM05.4 S200

This format is used to make a secondary solution from a raw chemical or purchased solution only.

Analyte	PRIMARY ID# (INCLUDING BOOK/PG.)	PRIMARY CONC.	VOLUME OF PRIMARY	FINAL CONC.
Al	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
Sb	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
As	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
Ba	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
Be	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
Cd	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
Ca	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
Cr	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
Co	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
Cu	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
Fe	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
Pb	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
Mg	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
Mn	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
Ni	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
K	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
Se	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
Ag	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
Na	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
Tl	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
V	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
Zn	IP-PS-07-150 (2261/96)	20 µg/mL	1 mL	200 µg/L
			FINAL VOL.:	100 mL

Date Made: 06/17/2008

Expiration date: 07/01/2008

Date verified: 06/17/08

Verified by: KB

Comments: None.

Solution Replaces: N/A

Verification data found in File#: MS208065

Verification instrument: ICPM02

Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

KB 06/17/08

CALIBRATED MICROPIPETTORS, CLASS A PIPETTES AND VOLUMETRIC FLASKS WERE USED TO MAKE THIS SOLUTION.

VOLUMES OF PRIMARY SOLUTIONS WERE TAKEN TO THE FINAL VOLUME IN THE MATRIX ABOVE.

CALCULATION: {(FINAL VOL.) * (FINAL VOL. CONC.)} / CONC. OF PRIMARY = VOL. OF PRIMARY SOLUTION USED

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Witnessed & Understood by me,	Date	Invented by:	Date	
[signature]	6/19/08	Recorded by: Kristie Bottom	06/17/08	262

Project No. ok

TITLE Datachem Laboratories - Secondary Standards Logbook

Book No. 4721

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ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-129	ILM05.4 S500

This format is used to make a secondary solution from a raw chemical or purchased solution only.

Analyte	PRIMARY ID# (INCLUDING BOOK/PG.)	PRIMARY CONC.	VOLUME OF PRIMARY	FINAL CONC.
Al	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
Sb	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
As	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
Ba	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
Be	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
Cd	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
Ca	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
Cr	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
Co	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
Cu	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
Fe	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
Pb	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
Mg	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
Mn	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
Ni	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
K	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
Se	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
Ag	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
Na	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
Tl	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
V	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
Zn	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	500 µg/L
			FINAL VOL.:	100 mL

Date Made: 06/17/2008

Expiration date: 07/01/2008

Date verified: 06/17/08

Verified by: KB

Comments: None.

Solution Replaces: N/A

Verification data found in File#: M5208065

Verification instrument: ICPM02

Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

KB 06/17/08

CALIBRATED MICROPIPETTORS, CLASS A PIPETTES AND VOLUMETRIC FLASKS WERE USED TO MAKE THIS SOLUTION.

VOLUMES OF PRIMARY SOLUTIONS WERE TAKEN TO THE FINAL VOLUME IN THE MATRIX ABOVE.

CALCULATION: ((FINAL VOL.) * (FINAL VOL. CONC.)) / CONC. OF PRIMARY = VOL. OF PRIMARY SOLUTION USED

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Witnessed & Understood by me, [signature]

Date 6/19/08

Invented by:

Recorded by: Kristie Bethin

Date 06/17/08

Project No. N/A

TITLE DataChem Laboratories - Secondary Standards Logbook

Book No. 4721

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ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-130	ILM05.4 S1000

This format is used to make a secondary solution from a raw chemical or purchased solution only.

Analyte	PRIMARY ID# (INCLUDING BOOK/PG.)	PRIMARY CONC.	VOLUME OF PRIMARY	FINAL CONC.
Al	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
Sb	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
As	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
Ba	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
Be	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
Cd	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
Ca	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
Cr	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
Co	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
Cu	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
Fe	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
Pb	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
Mg	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
Mn	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
Ni	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
K	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
Se	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
Ag	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
Na	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
Tl	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
V	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
Zn	IP-PS-07-150 (2261/96)	20 µg/mL	5 mL	1000 µg/L
			FINAL VOL.:	100 mL

Date Made: 06/17/2008

Expiration date: 07/01/2008

Date verified: 06/17/08

Verified by: KB

Comments: None.

Solution Replaces: N/A

Verification data found in File#: MS208065

Verification instrument: ICPM02

Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

KB 06/17/08

CALIBRATED MICROPIPETTORS, CLASS A PIPETTES AND VOLUMETRIC FLASKS WERE USED TO MAKE THIS SOLUTION.

VOLUMES OF PRIMARY SOLUTIONS WERE TAKEN TO THE FINAL VOLUME IN THE MATRIX ABOVE.

CALCULATION: ((FINAL VOL.) * (FINAL VOL. CONC.)) / CONC. OF PRIMARY = VOL. OF PRIMARY SOLUTION USED

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Witnessed & Understood by me, [signature]

Date 6/19/08

Invented by:

Recorded by: [signature]

Date 06/17/08

Project No. 4721

TITLE DataChem Laboratories - Secondary Standards Logbook

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ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-131	ILM05.4 S1500

This format is used to make a secondary solution from a raw chemical or purchased solution only.

Analyte	PRIMARY ID# (INCLUDING BOOK/PG.)	PRIMARY CONC.	VOLUME OF PRIMARY	FINAL CONC.
Al	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
Sb	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
As	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
Ba	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
Be	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
Cd	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
Ca	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
Cr	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
Co	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
Cu	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
Fe	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
Pb	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
Mg	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
Mn	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
Ni	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
K	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
Se	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
Ag	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
Na	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
Tl	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
V	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
Zn	IP-PS-07-150 (2261/96)	20 µg/mL	7.5 mL	1500 µg/L
			FINAL VOL.:	100 mL

Date Made: 06/17/2008
Expiration date: 07/01/2008
Date verified: 06/17/08
Verified by: KB
Comments: None.
Solution Replaces: N/A

Verification data found in File#: M3208065
Verification instrument: ICPM02
Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

KB 06/17/08

CALIBRATED MICROPIPETTORS, CLASS A PIPETTES AND VOLUMETRIC FLASKS WERE USED TO MAKE THIS SOLUTION.
VOLUMES OF PRIMARY SOLUTIONS WERE TAKEN TO THE FINAL VOLUME IN THE MATRIX ABOVE.
CALCULATION: ((FINAL VOL.) * (FINAL VOL. CONC.)) / CONC. OF PRIMARY = VOL. OF PRIMARY SOLUTION USED

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Project No. 4721

TITLE DataChem Laboratories - Secondary Standards Logbook

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ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-132	ILM05.4 S2000

This format is used to make a secondary solution from a raw chemical or purchased solution only.

Analyte	PRIMARY ID# (INCLUDING BOOK/PG.)	PRIMARY CONC.	VOLUME OF PRIMARY	FINAL CONC.
Al	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
Sb	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
As	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
Ba	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
Be	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
Cd	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
Ca	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
Cr	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
Co	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
Cu	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
Fe	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
Pb	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
Mg	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
Mn	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
Ni	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
K	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
Se	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
Ag	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
Na	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
Tl	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
V	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
Zn	IP-PS-07-150 (2261/96)	20 µg/mL	10 mL	2000 µg/L
			FINAL VOL.:	100 mL

Date Made: 06/17/2008
Expiration date: 07/01/2008
Date verified: 06/17/08
Verified by: KB
Comments: None.
Solution Replaces: N/A

Verification data found in File#: MS208065
Verification instrument: ICPM02
Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

KB 06/17/08

CALIBRATED MICROPIPETTORS, CLASS A PIPETTES AND VOLUMETRIC FLASKS WERE USED TO MAKE THIS SOLUTION.

VOLUMES OF PRIMARY SOLUTIONS WERE TAKEN TO THE FINAL VOLUME IN THE MATRIX ABOVE.

CALCULATION: ((FINAL VOL.) * (FINAL VOL. CONC.)) / CONC. OF PRIMARY = VOL. OF PRIMARY SOLUTION USED

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Witnessed & Understood by me,	Date	Invented by:	Date
	6/19/08	Recorded by: Kristie Bitter	06/17/08

Project No. NA

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ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-133	ILM05.4 ICV

This format is used to make a secondary solution from a raw chemical or purchased solution only.

Analyte	PRIMARY ID# (INCLUDING BOOK/PG.)	PRIMARY CONC.	VOLUME OF PRIMARY	FINAL CONC.
Al	IP-PS-07-023 (2261/91)	24820 µg/L	2 mL	496 ug/L
Sb	IP-PS-07-023 (2261/91)	9920 µg/L	2 mL	198 ug/L
As	IP-PS-07-023 (2261/91)	9960 µg/L	2 mL	199 ug/L
Ba	IP-PS-07-023 (2261/91)	5020 µg/L	2 mL	100 ug/L
Be	IP-PS-07-023 (2261/91)	4930 µg/L	2 mL	99 ug/L
Cd	IP-PS-07-023 (2261/91)	4940 µg/L	2 mL	99 ug/L
Ca	IP-PS-07-023 (2261/91)	101800 µg/L	2 mL	2036 ug/L
Cr	IP-PS-07-023 (2261/91)	4900 µg/L	2 mL	98 ug/L
Co	IP-PS-07-023 (2261/91)	4960 µg/L	2 mL	99 ug/L
Cu	IP-PS-07-023 (2261/91)	4900 µg/L	2 mL	98 ug/L
Fe	IP-PS-07-023 (2261/91)	51070 µg/L	2 mL	1021 ug/L
Pb	IP-PS-07-023 (2261/91)	9960 µg/L	2 mL	199 ug/L
Mg	IP-PS-07-023 (2261/91)	60030 µg/L	2 mL	1201 ug/L
Mn	IP-PS-07-023 (2261/91)	4950 µg/L	2 mL	99 ug/L
Ni	IP-PS-07-023 (2261/91)	4920 µg/L	2 mL	98 ug/L
K	IP-PS-07-023 (2261/91)	100080 µg/L	2 mL	2002 ug/L
Se	IP-PS-07-023 (2261/91)	10050 µg/L	2 mL	201 ug/L
Ag	IP-PS-07-023 (2261/91)	4950 µg/L	2 mL	99 ug/L
Na	IP-PS-07-023 (2261/91)	100390 µg/L	2 mL	2008 ug/L
Tl	IP-PS-07-023 (2261/91)	10270 µg/L	2 mL	205 ug/L
V	IP-PS-07-023 (2261/91)	5010 µg/L	2 mL	100 ug/L
Zn	IP-PS-07-023 (2261/91)	10000 µg/L	2 mL	200 ug/L
			FINAL VOL.:	100 mL

Date Made: 06/17/2008
Expiration date: 07/01/2008
Date verified: 06/17/08
Verified by: KB
Comments: None.
Solution Replaces: N/A

Verification data found in File#: MS208065
Verification instrument: ICPM02
Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

ICV-1 (1201)

KB 06/17/08

CALIBRATED MICROPIPETTORS, CLASS A PIPETTES AND VOLUMETRIC FLASKS WERE USED TO MAKE THIS SOLUTION.

VOLUMES OF PRIMARY SOLUTIONS WERE TAKEN TO THE FINAL VOLUME IN THE MATRIX ABOVE.

CALCULATION: ((FINAL VOL.) * (FINAL VOL. CONC.)) / CONC. OF PRIMARY = VOL. OF PRIMARY SOLUTION USED

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Project No. N/A
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ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-134	ILM05.4 ICSA

This format is used to make a secondary solution from a raw chemical or purchased solution only.

Analyte	PRIMARY ID# (INCLUDING BOOK/PG.)	PRIMARY CONC.	VOLUME OF PRIMARY	FINAL CONC.
Al	IP-PS-07-027 (2261/91)	1,000 ug/mL	10 mL	100,000 ug/L
Ca	IP-PS-07-027 (2261/91)	1,000 ug/mL	10 mL	100,000 ug/L
Fe	IP-PS-07-027 (2261/91)	1,000 ug/mL	10 mL	100,000 ug/L
Mg	IP-PS-07-027 (2261/91)	1,000 ug/mL	10 mL	100,000 ug/L
K	IP-PS-07-027 (2261/91)	1,000 ug/mL	10 mL	100,000 ug/L
Na	IP-PS-07-027 (2261/91)	1,000 ug/mL	10 mL	100,000 ug/L
Sb	IP-PS-07-027 (2261/91)	15 ug/L	10 mL	1.5 ug/L
As	IP-PS-07-027 (2261/91)	1 ug/L	10 mL	0.1 ug/L
Ba	IP-PS-07-027 (2261/91)	12 ug/L	10 mL	1.2 ug/L
Cd	IP-PS-07-027 (2261/91)	7 ug/L	10 mL	0.7 ug/L
Cr	IP-PS-07-027 (2261/91)	21 ug/L	10 mL	21 ug/L
Co	IP-PS-07-027 (2261/91)	10 ug/L	10 mL	1 ug/L
Cu	IP-PS-07-027 (2261/91)	80 ug/L	10 mL	8 ug/L
Pb	IP-PS-07-027 (2261/91)	40 ug/L	10 mL	4 ug/L
Mn	IP-PS-07-027 (2261/91)	70 ug/L	10 mL	7 ug/L
Ni	IP-PS-07-027 (2261/91)	60 ug/L	10 mL	6 ug/L
Se	IP-PS-07-027 (2261/91)	3 ug/L	10 mL	0.3 ug/L
V	IP-PS-07-027 (2261/91)	5 ug/L	10 mL	0.5 ug/L
Zn	IP-PS-07-027 (2261/91)	110 ug/L	10 mL	11 ug/L
Ti	IP-PS-07-027 (2261/91)	20 ug/mL	10 mL	2,000 ug/L
Mo	IP-PS-07-027 (2261/91)	20 ug/mL	10 mL	2,000 ug/L
			FINAL VOL.:	100 mL

Date Made: 06/17/2008
Expiration date: 07/01/2008
Date verified: 06/17/08
Verified by: KB
Comments: None.
Solution Replaces: N/A

Verification data found in File#: MS208065
Verification instrument: ICPM02
Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

ICS-MS (0803)

KB 06/17/08

CALIBRATED MICROPIPETTORS, CLASS A PIPETTES AND VOLUMETRIC FLASKS WERE USED TO MAKE THIS SOLUTION.

VOLUMES OF PRIMARY SOLUTIONS WERE TAKEN TO THE FINAL VOLUME IN THE MATRIX ABOVE.

CALCULATION: ((FINAL VOL.) * (FINAL VOL. CONC.)) / CONC. OF PRIMARY = VOL. OF PRIMARY SOLUTION USED

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Project No. NA

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ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-135	ILM05.4 ICSAB

This format is used to make a secondary solution from a raw chemical or purchased solution only.

Analyte	PRIMARY ID# (INCLUDING BOOK/PG.)	PRIMARY CONC.	VOLUME OF PRIMARY	FINAL CONC.
Al	IP-PS-07-027 (2261/91)	1,000 ug/mL	10 mL	100 mg/L
Ca	IP-PS-07-027 (2261/91)	1,000 ug/mL	10 mL	100 mg/L
Fe	IP-PS-07-027 (2261/91)	1,000 ug/mL	10 mL	100 mg/L
Mg	IP-PS-07-027 (2261/91)	1,000 ug/mL	10 mL	100 mg/L
K	IP-PS-07-027 (2261/91)	1,000 ug/mL	10 mL	100 mg/L
Na	IP-PS-07-027 (2261/91)	1,000 ug/mL	10 mL	100 mg/L
Sb	IP-PS-07-032 (2261/91)	220 ug/L	10 mL	22 ug/L
As	IP-PS-07-032 (2261/91)	190 ug/L	10 mL	19 ug/L
Ba	IP-PS-07-032 (2261/91)	220 ug/L	10 mL	22 ug/L
Be	IP-PS-07-032 (2261/91)	190 ug/L	10 mL	19 ug/L
Cd	IP-PS-07-032 (2261/91)	200 ug/L	10 mL	20 ug/L
Cr	IP-PS-07-032 (2261/91)	400 ug/L	10 mL	40 ug/L
Co	IP-PS-07-032 (2261/91)	200 ug/L	10 mL	20 ug/L
Cu	IP-PS-07-032 (2261/91)	250 ug/L	10 mL	25 ug/L
Pb	IP-PS-07-032 (2261/91)	250 ug/L	10 mL	25 ug/L
Mn	IP-PS-07-032 (2261/91)	270 ug/L	10 mL	27 ug/L
Ni	IP-PS-07-032 (2261/91)	240 ug/L	10 mL	24 ug/L
Se	IP-PS-07-032 (2261/91)	190 ug/L	10 mL	19 ug/L
Ag	IP-PS-07-032 (2261/91)	180 ug/L	10 mL	18 ug/L
Tl	IP-PS-07-032 (2261/91)	210 ug/L	10 mL	21 ug/L
V	IP-PS-07-032 (2261/91)	190 ug/L	10 mL	19 ug/L
Zn	IP-PS-07-032 (2261/91)	290 ug/L	10 mL	29 ug/L
Mo	IP-PS-07-032 (2261/91)	20 ug/mL	10 mL	2,000 ug/L
Ti	IP-PS-07-032 (2261/91)	20 ug/mL	10 mL	2,000 ug/L
			FINAL VOL.:	100 mL

Date Made: 06/17/2008

Expiration date: 07/01/2008

Date verified: 06/17/08

Verified by: KB

Comments: None.

Solution Replaces: N/A

Verification data found in File#: ms208065

Verification instrument: ICPM02

Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

ICS-MS (0803)

KB 06/17/08

CALIBRATED MICROPIPETTORS, CLASS A PIPETTES AND VOLUMETRIC FLASKS WERE USED TO MAKE THIS SOLUTION.

VOLUMES OF PRIMARY SOLUTIONS WERE TAKEN TO THE FINAL VOLUME IN THE MATRIX ABOVE.

CALCULATION: ((FINAL VOL.) * (FINAL VOL. CONC.)) / CONC. OF PRIMARY = VOL. OF PRIMARY SOLUTION USED

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Witnessed & Understood by me,	Date	Invented by:	Date	269
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ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-136	ILM05.4 CCV

This format is used to make a secondary solution from a raw chemical or purchased solution only.

Analyte	PRIMARY ID# (INCLUDING BOOK/PG.)	PRIMARY CONC.	VOLUME OF PRIMARY	FINAL CONC.
Al	IP-PS-07-150 (2261/96) KB ~~IP-PS-07-104 (2261/94)~~ KB 6/18/08	20 µg/mL ~~200 µg/mL~~ KB 6/18/08	2.5 mL ~~0.75 mL~~ KB 6/18/08	250 ~~1000~~ µg/L KB 6/18/08
Sb	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
As	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Ba	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Be	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Cd	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Ca	IP-PS-07-150 (2261/96) IP-PS-07-104 (2261/94)	20 µg/mL 200 µg/mL	2.5 mL 0.75 mL	1000 µg/L
Cr	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Co	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Cu	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Fe	IP-PS-07-150 (2261/96) IP-PS-07-104 (2261/94)	20 µg/mL 200 µg/mL	2.5 mL 0.75 mL	1000 µg/L
Pb	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Mg	IP-PS-07-150 (2261/96) IP-PS-07-104 (2261/94)	20 µg/mL 200 µg/mL	2.5 mL 0.75 mL	1000 µg/L
Mn	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Ni	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
K	IP-PS-07-150 (2261/96) IP-PS-07-104 (2261/94)	20 µg/mL 200 µg/mL	2.5 mL 0.75 mL	1000 µg/L
Se	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Ag	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Na	IP-PS-07-150 (2261/96) IP-PS-07-104 (2261/94)	20 µg/mL 200 µg/mL	2.5 mL 0.75 mL	1000 µg/L
Tl	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
V	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Zn	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
			FINAL VOL.:	200 mL

KB 06/17/08

Date Made: 06/17/2008
Expiration date: 07/01/2008
Date verified: 06/17/08
Verified by: KB
Comments: None.
Solution Replaces: N/A

Verification data found in File#: MS208065
Verification instrument: ICPM02
Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

CALIBRATED MICROPIPETTORS, CLASS A PIPETTES AND VOLUMETRIC FLASKS WERE USED TO MAKE THIS SOLUTION.

VOLUMES OF PRIMARY SOLUTIONS WERE TAKEN TO THE FINAL VOLUME IN THE MATRIX ABOVE.

CALCULATION: ((FINAL VOL.) * (FINAL VOL. CONC.)) / CONC. OF PRIMARY = VOL. OF PRIMARY SOLUTION USED

To Page No. X

Witnessed & Understood by me,	Date	Invented by:	Date	270
[signature]	6/19/08	Recorded by: Kristie Bitner	06/17/08	

Project No. N/A

TITLE Data Chem Laboratories - Primary Standards Logbook

Book No. 2261

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DCL SOLUTION #	ANALYTES	CONCENTRATION	VENDOR	LOT #	DATE REC'D.	DATE OPENED	DATE EXPIRES	INIT.
(LPP-SPL-1) IP-PS-07-013/14	Al, Ba / Fe	2,000 ug/mL / 1,000 ug/mL	Inorganic Ventures	Z-MEB194075	03/07/07	03/07/07	04/01/08	KE
775 03/07/07	Co, Mn, Ni, V, Zn	500 ug/mL						
	Cu / Cr3	250 ug/mL / 200 ug/mL						
	Ag, Be	50 ug/mL						
(LPP-SPL-3) IP-PS-07-015	Sb / Cd, Se, Tl	100 ug/mL / 50 ug/mL	Inorganic Ventures	Z-CCP180071	03/07/07	03/07/07	04/01/08	KE
776	As / Pb	40 ug/mL / 20 ug/mL						
CRI 3,4 IP-PS-07-016	Ba / Se, V	10 ug/mL / 5 ug/mL	Inorganic Ventures	A2-MEB194130	03/28/07	03/29/07	05/01/08	KB
	Cr3, Cu, Sb, Zn	2 ug/mL						
	Ag, As, Be, Cd, Co, Mn,	1 ug/mL						
	Ni, Pb, Tl							
ISS IP-PS-07-017	Bi, Ho, In, Li, Rh, Se, Tb, Y	10 ug/mL	Inorganic Ventures	Z-MEB194055	03/28/07	03/29/07	05/01/08	KB
ISB IP-PS-07-018	Bi, Ho, In, Li, Rh, Se, Tb, Y	10 ug/mL	Inorganic Ventures	Z-MEB194055	03/28/07	03/29/07	05/01/08	KB
IP-PS-07-019	Al, Ca / As, Fe, Pb, Mg, Ni, Na, Se	1000 ug/mL / 500 ug/mL	CPI	07C089	04/01/07	04/18/07	09/08/08	KE
	Ba, Be, Cr, Co, Li, Mn, Mo, Sr,	200 ug/mL						
	Ti, V, Y, Zn, Zr, Cu	200 ug/mL						
LOD ICV IP-PS-07-020	K, Na / Fe	2000 ug/mL / 200 ug/mL	CPI	07C088	04/01/07	04/18/07	09/08/08	KE
	Ba, Ca, Pb, Se, Tl, Al, As, Mg, B, P	400 ug/mL						
	Ag, Be, Cd, Co, Cr, Cu, Mn, Ni	100 ug/mL						
	V, Zn, Se, Li							
IP-PS-07-021	Sb, Mo, Sn, Ti, Si	400 ug/mL, 100 ug/mL	CPI	07C088	04/01/07	04/18/07	09/08/08	KE
IP-PS-07-022	ICV-1	See facing page	EPA/QATS	ICV-1 (1201)	04/18/07		NA	KB
IP-PS-07-023	See facing page							
IP-PS-07-024								
IP-PS-07-025	ICSA (ICP-MS)	See facing page	EPA/QATS	ICSA (0803)	04/18/07	09/23/07	NA	KB
IP-PS-07-026	See facing page					01/17/08		
IP-PS-07-027								
IP-PS-07-028								
IP-PS-07-029								
IP-PS-07-030								
IP-PS-07-031	ICSB (ICP-MS)					09/23/07		
IP-PS-07-032	See facing page	See facing page	EPA/QATS	ICSB (0803)	04/18/07		NA	KB
IP-PS-07-033								
IP-PS-07-034	As	10,000 ug/mL	CPI	07B146	04/01/07	04/20/07	09/30/08	KE
IP-PS-07-035	Ba	10,000 ug/mL	CPI	07C169	04/01/07	04/20/07	09/30/08	KE
IP-PS-07-036	Be	10,000 ug/mL	CPI	07A145	04/01/07	04/20/07	~~09/10/04~~ 04/20/08	KE

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Witnessed & Understood by me, Kristie Bitner

Date 04/20/07

Invented by

Date

Recorded by

Date 04/20/07

Facing Page 91

QATS INORGANIC REFERENCE MATERIAL
INITIAL CALIBRATION VERIFICATION SOLUTIONS
(ICVs)

ICV-1 (1201):		
Element	Concentration (µg/L) (after 10-fold dilution)	Concentration (µg/L) (after 50-fold dilution)
Al	2482	496
Sb	992	198
As	996	199
Ba	502	100
Be	493	99
Cd	494	99
Ca	10180	2036
Cr	490	98
Co	496	99
Cu	490	98
Fe	5107	1021
Pb	996	199
Mg	6003	1201
Mn	495	99
Ni	492	98
K	10008	2002
Se	1005	201
Ag	495	99
Na	10039	2008
Tl	1027	205
V	501	100
Zn	1000	200

KB 4/19/07

QATS INORGANIC REFERENCE MATERIAL
INITIAL CALIBRATION VERIFICATION SOLUTIONS
(ICVs)

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP and AA instruments. These solutions may also be used as aqueous Laboratory Control Solutions.

The values for each element in the ICVs are listed below in µg/L (ppb) for the solutions that result after the concentrates have been diluted according to the following instructions:

1. ICV-1 (1201) — For ICP-AES use, dilute the ICV-1 concentrate 10-fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For ICP-MS use, dilute the ICV-1 concentrate 50-fold with 1% (v/v) nitric acid; pipet 2 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

2. ICV-2 (0601) -- For furnace AA use, dilute the ICV-2 concentrate 20-fold with 2% (v/v) nitric acid; pipet 5 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

3. ICV-3 (0500) -- For ICP use, dilute the ICV-3 concentrate 10-fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For furnace AA use, dilute the ICV-3 concentrate 100-fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

KB 4/19/07

4. ICV-4 (0499) -- For the furnace AA determination of lead and thallium, dilute the ICV-4 concentrate 10-fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For the furnace AA determination of silver and cadmium, dilute the ICV-4 concentrate 100-fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

5. ICV-5 (1104) -- For the cold vapor analysis of mercury by AA, dilute the ICV-5 concentrate 100-fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV-5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.

6. ICV-6 (0400) -- For the analysis of cyanide, dilute the ICV-6 concentrate 100-fold with Type II water; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

QATS INORGANIC REFERENCE MATERIAL
INTERFERENCE CHECK SAMPLE FOR ICP-MS
PART A (0803) WITH PART B (0803)

Part A (0803), Inferferents: Pipet 10 mL of the Part A solution into a 100-mL volumetric flask and dilute to volume with 1% v/v HNO3. Analyze this solution, Soln. A, by ICP-MS.

Part B (0803), Analytes, mixed with Part A (0803), Interferents: Pipet 10 mL of the Part A solution and 10 mL of the Part B solution into a 100-mL volumetric flask and dilute to volume with 1% v/v HNO3. Analyze this solution, Soln. AB, by ICP-MS.

Table I. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS PART A (0803) AND PART A (0803) MIXED WITH PART B (0803)

Element	Concentration (µg/L) Part A	Concentration (µg/L) Part A + Part B
Al	[100000]	[100000]
Sb	(1.5)	22
As	(0.1)	19
Ba	(1.2)	22
Be	(0)	19
Cd	(0.7)	20
Ca	[100000]	[100000]
C	[200000]	[200000]
Cl	[1000000]	[1000000]
Cr	21	40
Co	1	20
Cu	8	25
Fe	[100000]	[100000]
Pb	4	25
Mg	[100000]	[100000]
Mn	7	27
Mo	[2000]	[2000]
Ni	6	24
P	[100000]	[100000]
K	[100000]	[100000]
Se	(0.3)	19
Ag	(0)	18
Na	[100000]	[100000]
S	[100000]	[100000]
Tl	(0)	21
Ti	[2000]	[2000]
V	(0.5)	19
Zn	11	29

KB 04/19/07

[ ] INDICATES ANALYTES THAT DO NOT REQUIRE ICP-MS DETERMINATION IN THE ICS.
( ) INDICATES ANALYTE VALUES THAT ARE LESS THAN THE CRQL AND THE VALUE IS TO BE USED AS A SET POINT FOR THE ± 3 TIMES CRQL ACCEPTANCE CRITERIA CALCULATIONS.

Project No. N/A

TITLE DATACHEM LABORATORIES- PRIMARY STANDARDS LOGBOOK Book No. 2261

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DCL SOLUTION #	ANALYTES	CONCENTRATION	VENDOR	LOT#	DATE REC'D	DATE OPENED	DATE EXPIRES	INIT.
IP-PS-07-099	Fe / Ba, Zn	100 µg/mL / 50 µg/mL	Inorganic Ventures	Z-MEB194099	08/24/07	08/28/07	09/01/08	KB
	Co, Cr3, Cu, Mn, Ni, Sb, V	20 µg/mL						
	As, Pb	10 µg/mL						
	Ag, Be, Cd, Se, Tl	5 µg/mL						
IP-PS-07-100	Ba, Cr3, Cu, Zn	50 µg/mL	Inorganic Ventures	A2-CIC20089	08/24/07	08/28/07	09/01/08	KB
	V / Ni	30 µg/mL / 25 µg/mL						
	Co, Pb, Sb / Ag, As, Cd	20 µg/mL / 10 µg/mL						
	Be, Se, Tl	5 µg/mL						
IP-PS-07-101	Au	1000 µg/mL	CPI	07D007	09/12/07	09/24/07	03/11/09	JK
IP-PS-07-102	Au	1000 µg/mL	CPI	07H065	09/12/07	09/24/07	03/11/09	JK
ICP/QC IP-PS-07-103	Ag, Al, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Se, Tl, V, Zn	10 µg/mL	SPEX ~~Inorganic Ventures~~ KB 10/01/07	5-1126S	09/25/07	10/01/07	09/30/08	KB
ICP/QC IP-PS-07-104	Ca, Fe, Mg, K, Na	200 µg/mL	SPEX	4-616S	09/25/07	10/01/07	09/30/08	KB
ICP/QC IP-PS-07-105	Mo, Th, U	10 µg/mL	SPEX	36-27AS	09/25/07	10/01/07	09/30/08	KB
ICP/QC IP-PS-07-106	Mo, Sn, Sr, Ti	10 µg/mL	SPEX	5-116S	09/25/07	10/01/07	09/30/08	KB
λ+mass Cal IP-PS-07-107	Ag, Al, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cs, Cu, Fe, Ga, In, K, Li, Mg, Mn, Na, Ni, Pb, Rb, Se, Sr, Tl, U, V, Zn	10 µg/mL	SPEX	33-133AS	09/25/07	10/01/07	09/30/08	KB
ICP/QC IP-PS-07-108	Ce	1000 µg/mL	SPEX	13-84CE	09/25/07	10/01/07	09/30/08	KB
ICP/QC IP-PS-07-109	Cs	1000 µg/mL	SPEX	13-86CS	09/25/07	10/01/07	09/30/08	KB
ICP/QC IP-PS-07-110	Ga	1000 µg/mL	SPEX	13-34GA	09/25/07	10/01/07	09/30/08	KB
ICP/QC IP-PS-07-111	Au	1000 µg/mL	SPEX	13-94AU	09/25/07	10/01/07	09/30/08	KB
ICP/QC IP-PS-07-112	Pd	1000 µg/mL	SPEX	13-69PD	09/25/07	10/01/07	09/30/08	KB
ICP/QC IP-PS-07-113	P	1000 µg/mL	SPEX	13-59P	09/25/07	10/01/07	09/30/08	KB
ICP/QC IP-PS-07-114	W	1000 µg/mL	SPEX	13-90W	09/25/07	10/01/07	09/30/08	KB
Vor TS IP-PS-07-115	Ba, Be, Ce, Co, In, Mg, Pb, Th, Tl	10 µg/mL	Inorganic Ventures	A2-MEB235023	09/26/07	10/01/07	10/01/08	KB
6020 TS IP-PS-07-116	Co, In, Li, Tl	10 µg/mL	Inorganic Ventures	A2-CICP20101	09/26/07	10/01/07	10/01/08	KB
6020 ICSA IP-PS-07-117	Cl / Ca	21,215 / 3000 µg/mL	Inorganic Ventures	A2-MEB194136	09/26/07	10/01/07	10/01/08	KB
	Fe, Na / C, Al, K, Mg, P, S	2500/2000/1000 µg/mL	Inorganic Ventures					
	Mo, Ti	20 µg/mL						

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Witnessed & Understood by me: [signature] Date 12/12/07

Invented by

Recorded by [signature] Date 10/01/07

Project No. N/A

TITLE DATACHEM LABORATORIES- PRIMARY STANDARDS LOGBOOK

Book No. 2261

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DCL SOLUTION #	ANALYTES	CONCENTRATION	VENDOR	LOT #	DATE REC'D	DATE OPENED	DATE EXPIRES	INIT.
IP-PS-07-140	ICSA	SEE FACING PAGE	EPA / QATS	PART A (1206)	11/08/07	12/12/07	N/A	KE
IP-PS-07-141	SEE FACING PAGE					12/21/07		
IP-PS-07-142						12/21/07		
IP-PS-07-143						01/05/08		
IP-PS-07-144								
IP-PS-07-145								
IP-PS-07-146	ICSAB	SEE FACING PAGE	EPA / QATS	PART B (0203)	11/08/07		N/A	KE
IP-PS-07-147	SEE FACING PAGE					03/19/08		
IP-PS-07-148						05/09/08		
IP-PS-07-149 6020 Std	Ag, Al, As, Ba, Be, Ca, Cd,	20 mg/mL	Inorganic Ventures	Z-MEB194104	12/17/07	12/17/07	01/01/09	KB
IP-PS-07-150 6020 Std	Co, Cr3, Cu, Fe, K, Mg, Mn, Na,							
12/17/07 KB	Ni, Pb, Se, Sb, Tl, V, Zn							
IP-PS-07-151 KB 6020 SPK-5 KB 121, 160	Ba, Be, Cr3, Cu, Zn	50 mg/mL	Inorganic Ventures	A2-CICP20089	12/17/07	12/17/07	01/01/09	KB
	Ni / Co, Pb, Sb / V	25 mg/mL / 20 mg/mL / 30 mg/mL						
	Ag, As, Cd / Be, Se, Tl	10 mg/mL / 5 mg/mL						
IP-PS-07-152	Bi, Ho, In, Li, Rh, Sr,	10 mg/mL	Inorganic Ventures	A2-MEB194155	12/17/07	12/07/07	01/01/09	KB
IP-PS-07-153	Tl, V							
IP-PS-08-001	Li, Zn, Y, Bi, Se, Ho, Th	10 mg/mL	INORGANIC VENTURES	B2-MEB255072	02/05/08	02/05/08	03/01/09	KE
IP-PS-08-002	In	10 mg/mL	INORGANIC VENTURES	A2-QIN01098	02/05/08	02/05/08	03/01/09	KE
IP-PS-08-003 GOLD WATER SPK	Fe / Ba, Zn	100 mg/mL / 50 mg/mL	INORGANIC VENTURES	Z-MEB194099	02/05/08	02/05/08	03/01/09	KE
	Co, Cr3, Cu, Mn, Ni, Sb, V	20 mg/mL						
	As, Pb	10 mg/mL						
	Ag, Be, Cd, Se, Tl	5 mg/mL						
IP-PS-08-004	Li, Sr, Th, U	20 mg/mL	INORGANIC VENTURES	A2-MEB248045	02/05/08	02/05/08	03/01/09	KE
IP-PS-08-005	B, Mo, Sn, Ti	20 mg/mL	INORGANIC VENTURES	A2-MEB248044	02/05/08	02/05/08	03/01/09	KE
IP-PS-08-006	Ca, Mg, K, Na / Al, Ba	500 mg/mL / 20 mg/mL	INORGANIC VENTURES	KE 02/11/08 Z-MEB194095	02/13/08	02/14/08	03/01/09	KE
	Fe / Sb, Zn	10 mg/mL / 6 mg/mL						
	Co, V / Ni / Se	5 mg/mL / 4 mg/mL / 3.5						
	Cu, Tl / Mn	2.5 mg/mL / 1.5 mg/mL						
	Ag, As, Cr3, Pb / Be, Cd	1.0 mg/mL / 0.5 mg/mL						
IP-PS-08-007	Ag, Al, As, Ba, Be, Cd,	10 mg/mL	SPEX KB 2/29/08 ~~Inorganic Ventures~~	5-11265	02/28/08	02/29/08	02/28/09	KB
	Co, Cr, Cu, Mn, Ni, Pb,							
	Sb, Se, Tl, V, Zn							
IP-PS-08-008 WP-SPK-6 1762	Sb / Cd, Se, Tl	100 mg/mL / 50 mg/mL	INORGANIC VENTURES	Z-MEB194090	03/10/08	03/10/08	03/01/09	KE
	As / Pb	40 mg/mL / 20 mg/mL						

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Witnessed & Understood by me, Kristie Britain

Date 03/28/08

Invented by

Date 03/10/08

Recorded by

From Page No. 96

DCL SOLUTION #	ANALYTES	CONCENTRATION	VENDOR	LOT #	DATE REC'D	DATE OPENED	DATE EXPIRES	INIT
LLPP-SPK-1 IP-PS-08-009	Al, Ba / Fe	2000 mg/mL / 1000 mg/mL	Inorganic Ventures	2-MES174075	03/10/08	03/10/08	03/01/09	KE
	Co, Mn, Ni, V, Zn / Cu	500 mg/mL / 250 mg/mL						
176	CrB / Ag, Be	200 mg/mL / 50 mg/mL						
IP-PS-08-010	ICSA (SEE FACING PAGE)	SEE FACING PAGE	EPA / QATS	ICSA (1206)	03/10/08	03/19/08	N/A	KE
IP-PS-08-011						03/19/08		
IP-PS-08-012								
IP-PS-08-013								
IP-PS-08-014								
IP-PS-08-015						05/21/08		
IP-PS-08-016						05/09/08		
IP-PS-08-017						05/21/08		
IP-PS-08-018	ICSAB	SEE FACING PAGE	EPA / QATS	ICSAB (0203)	03/10/08		N/A	KE
IP-PS-08-019	SEE FACING PAGE							
IP-PS-08-020								
6020 364 IP-PS-08-021	Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr3, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Tl, V, Zn	20 µg/mL	Inorganic Ventures	2-MER194104	03/27/08		04/01/09	KB
6020 ISS 03/28/08 IP-PS-08-022 6020 ISS 03/28/08 IP-PS-08-023 6020 ISS 03/28/08 IP-PS-08-024	Bi, Ho, In, Li6, Rh, Sc, Tb, Y	10 µg/mL	Inorganic Ventures	A2-MER194155	03/27/08		04/01/09	KB
IM08023 (1879) IP-PS-08-025	Ag	1000 mg/mL	CPI	07H114	5/1/08	5/1/08	10/28/09	RKA
IM08024 (1883) IP-PS-08-026	Sb	10,000 mg/mL	CPI	07F023	5/1/08		10/28/09	RKA
IM08028 (1885) IP-PS-08-027	Ba	10,000 mg/mL	CPI	07C169	5/1/08		10/28/09	RKA
IP-PS-08-028 IM08026 (1886)	K	10,000 mg/mL	CPI	08C049	5/1/08		10/28/09	RKA
IP-PS-08-029 IM08027 (1887)	W	1000 mg/mL	CPI	07I208	5/1/08		10/28/09	RKA
IP-PS-08-030 IM08028 (1888)	Pt	9000 mg/mL	CPI	07D260	5/1/08		10/28/09	RKA
IP-PS-08-031 IM08029 (1889)	Na	10,000 mg/mL	CPI	08A030	5/1/08		10/28/09	RKA
IM08030 (1890) IP-PS-08-032	Ti	10,000 mg/mL	CPI	08A002	5/1/08		10/28/09	RKA
IM08031 (1891) IP-PS-08-033	Be	10,000 mg/mL	CPI	07F218	5/1/08		10/28/09	RKA
IM08032 (1892) IP-PS-08-034	Al	10,000 mg/mL	CPI	08C004	5/1/08		10/28/09	RKA
IP-PS-08-035 IM08033 (1893)	Fe	10,000 mg/mL	CPI	08B059	5/1/08		10/28/09	RKA
IP-PS-08-036 IM08034 (1894)	Zr	1,000 mg/mL	CPI	08A083	5/1/08		10/28/09	RKA
IP-PS-08-037 IM08035 (1895)	Ni	10,000 mg/mL	CPI	08A040	5/1/08		10/28/09	RKA
IP-PS-08-038 IM08036 (1896)	Mg	10,000 mg/mL	CPI	08C006	5/1/08		10/28/09	RKA

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Witnessed & Understood by me, Joanna C. Sanchez
Date 5/5/08
Invented by NA
Recorded by
Date 5/5/08

Project No. NA

TITLE DATACHEM LABORATORIES - PRIMARY STANDARDS LOGBOOK 5/6/08 RMA

Book No. 2261

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DCL SOLUTION #	ANALYTES	CONCENTRATION	VENDOR	LOT#	DATE REC'D	DATE OPENED	DATE EXPIRES	INIT
IM080837 (1877) IP-PS-08-039	As	10,000 µg/mL	CPI	07H102	5/1/08	5/1/08	10/28/09	RKA
IM080836 (1876) IP-PS-08-040	Si	10,000 µg/mL	CPI	07D206	5/1/08	5/1/08	10/28/09	RKA
CRI-MS IP-PS-08-041	Ba/Sr, V	10 µg/mL / 5 µg/mL	Inorganic Ventures	A2-MEB194150	05/05/08	05/05/08	06/01/09	KB
	Cr3, Cu, Sb, Zn	2 µg/mL						
	Ag, As, Be, Cd, Co, Mn,	1 µg/mL						
	Ni, Pb, Tl							
CLP-MS-SPK IP-PS-08-042	Al, Ba	200 µg/mL	Inorganic Ventures	A2-MEB194119	05/05/08	05/05/08	06/01/09	KB
	Co, Mn, Ni, V, Zn	50 µg/mL						
	Cu/Cr3	25 µg/mL / 20 µg/mL						
	Sb/Ag, Be, Cd, Tl	10 µg/mL / 5 µg/mL						
	As/Pb	4 µg/mL / 2 µg/mL						
	Se	1 µg/mL						
IM080839 (1899) IP-PS-08-043	Cr	10,000 µg/mL	CPI	07I020	5/6/08	5/6/08	11/2/09	RKA
IM080842 (1902) IP-PS-08-044	Bi	10,000 µg/mL	Elements	CS7011437	4/16/08	5/8/08	10/09	RKA
IP-PS-08-045	ICSA (See facing page)	See facing page	EPA/QATS	ICSA (1206)	04/16/08		NA	JCS
IP-PS-08-046								
IP-PS-08-047								
IP-PS-08-048								
IP-PS-08-049					04/17/08 JCS 5/9/08			
IP-PS-08-050	ICSAB (See facing Pg)	See facing page	EPA/QATS	ICSAB (0203)	04/16/08		NA	JCS
IP-PS-08-051								
IP-PS-08-052					04/17/08 JCS 5/9/08			
IP-PS-08-053	ICV-1 (See facing Pg)	See facing page	EPA/QATS	ICV-1 (1201)	04/16/08		NA	JCS
IP-PS-08-054								
IP-PS-08-055								
IP-PS-08-056								
IP-PS-08-057					04/17/08			
IP-PS-08-058	Soil LCSS (See facing page)	See facing page	EPA/QATS	LCS-S (0405)	04/17/08		NA	JCS
IP-PS-08-059	Ba, Be, Bi, Ce, Co, In, Li,	10 µg/mL	Inorganic Ventures	B2-MEB265024	05/08/08	05/13/08	06/01/09	KB
	Ni, Pb, U							
ICP-MS CLP ICSA IP-PS-08-060	See p.91 facing page	See p.91 facing page	EPA/QATS	Part A ICS-MS (0803)	04/17/08		NA	KB
IP-PS-08-061	See p.91 facing page	See p.91 facing page	EPA/QATS	Part B ICS-MS (6803)	04/17/08		NA	KB
IP-PS-08-062	Pb	1,000 µg/mL	CPI	08D051	05/20/08	06/04/08	11/16/09	JCS
(6020 Ca) IP-PS-08-063	Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr3,	20 µg/mL	Inorganic Ventures	Z-MEB194104	06/17/08	06/18/08	07/01/09	KB
	Cu, Fe, K, Mg, Mn, Na, Ni, Pb,							
	Sb, Se, Tl, V, Zn							

To Page No. 99

Witnessed & Understood by me,

Date

Invented by

Recorded by Kristie Butler

Date 06/18/08

Olson, Roxanne

From: Kramer, Caroline [ckramer5@fedcsc.com]
Sent: Tuesday, June 03, 2008 12:28 PM
To: Olson, Roxanne
Cc: beard.carol@epa.gov
Subject: Region 08 | Case 37402 | Lab DATAC | Issue Discrepancies with tags, jars, and/or TR/COC | FINAL

Roxy,
Summary Start
Issue: DATAC received samples with the attached non-CLP TR/COC. The samples did not have CLP sample ID and were handwritten in with the commercial samples for this site, which DATAC is also analyzing.
Resolution: Per Region 8, the laboratory will use the CLP sample IDs provided in the table below (also as a spreadsheet attached). The water samples will require two CLP IDs for the dissolved and total metals analysis. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

CLP Sample ID	Field Sample number	Matrix	Collection date	Collection time	Analysis reques
MH2600	SC-SW-1	water	6/2/2008	13:15	TM by ICP-MS (15
MH2601	SC-SW-1	water (DM)	6/2/2008	13:15	DM by ICP-MS (1554.1)
MH2608	SC-SW-1	soil	6/2/2008	13:15	TM/SPLP (1553
MH2602	SC-SW-2	water	6/2/2008	14:30	TM by ICP-MS (15
MH2603	SC-SW-2	water (DM)	6/2/2008	14:30	DM by ICP-MS (1554.1)
MH2609	SC-SW-2	soil	6/2/2008	14:30	TM/SPLP (1553
MH2604	SC-SW-3	water	6/2/2008	15:15	TM by ICP-MS (15
MH2605	SC-SW-3	water (DM)	6/2/2008	15:15	DM by ICP-MS (1554.1)
MH2610	SC-SW-3	soil	6/2/2008	15:15	TM/SPLP (1553
MH2606	SC-SW-4	water	6/2/2008	16:00	TM by ICP-MS (15
MH2607	SC-SW-4	water (DM)	6/2/2008	16:00	DM by ICP-MS (1554.1)
MH2611	SC-SW-4	soil	6/2/2008	16:00	TM/SPLP (1553

Issue 2: There were no sample tags received with the samples.
Resolution 2: Per Region 8, the laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.
Summary End

Please let me know if you have any questions or problems.
Thank you,

Caroline L. Kramer
ckramer5@fedcsc.com
Computer Sciences Corporation (CSC)
703.818.4248

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us by e-mail of the mistake in delivery. NOTE: Regardless of content, this e-mail shall not operate to bind CSC to any order or other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of e-mail for such purpose.

- 6/3/2008 Phone conversation between Caroline Kramer, SMO, and Carol Bears, Region 8. Carol indicated that SMO should provide new CLP sample IDs for the samples received on 6/3 under Case 37402. Region 8 has contacted the samplers and they will be using F2L to generate CLP TR's with CLP sample IDs in future shipments. Carol also indicated that there probably were no sample tags received with the samples and that the laboratory should note that issue in the SDG Narrative and proceed with the analysis.

- 6/3/2008 Phone conversation between Caroline Kramer, SMO, and Roxy Olson, DATAC. Roxy would like corresponding CLP sample IDs for the samples received on 6/3 with the attached TR/COC. Roxy also confirmed that no sample tags were received with the samples.

-----Original Message-----
From: Olson, Roxanne [mailto:olsonr@datachem.com]
Sent: Tuesday, June 03, 2008 1:14 PM
To: Kramer, Caroline
Subject: Case 37402

Attached is the DATAC CoC with the samples on it for the above referenced case. I just left you a message on your phone regarding this. Please call me and maybe we can sort it out.

Roxy