1085987 - R8 SDMS

COMPLETE SAMPLE DELIVERY GROUP FILE (CSF)
CHAIN OF CUSTODY FORM
U.S. Environmental Protection Agency
Region 8 Superfund Program
Contract Laboratory Program (CLP)

Audit Number: R8-2008-12 Site Name: Richardson Flats Tailings

Date CSF Received: 9/11/2008 Site Manager: Kathyrn Hernandez

Received By: Dan Goodrich Case Number: 37402

Lab Name: DataChem SDG Number: MH2697

Lab Location: Salt Lake City, UT Number of Samples: 20

CLP Lab Code: DATAC Resubmitted CSF: Yes____ No X

CSF Relinquished By:

Print Name	Date	Signature
Dan Goodrich	10/21/2008	[signature]

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

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Print Name	Date	Signature

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.
MH2697

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2697

Matrix: (soil/water) WATER Lab Sample ID: 8171027001

Level: (low/med) LOW Date Received: 06/18/2008

% 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	22.1			MS
7440-36-0	Antimony	5.0		E	MS
7440-38-2	Arsenic	1.8			MS
7440-39-3	Barium	71.6			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	3.9			MS
7440-70-2	Calcium	76300			MS
7440-47-3	Chromium	0.61	J		MS
7440-48-4	Cobalt	0.88	J		MS
7440-50-8	Copper	3.3			MS
7439-89-6	Iron	698			MS
7439-92-1	Lead	1.6			MS
7439-95-4	Magnesium	12600			MS
7439-96-5	Manganese	71.9			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	2.9		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.2	J		MS
7440-22-4	Silver	0.067	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	0.54	J		MS
7440-66-6	Zinc	500			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.
MH2699

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2697

Matrix: (soil/water) WATER Lab Sample ID: 8171027002

Level: (low/med) LOW Date Received: 06/18/2008

% 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	J		MS
7440-36-0	Antimony	5.2		E	MS
7440-38-2	Arsenic	1.8			MS
7440-39-3	Barium	73.2			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	4.3			MS
7440-70-2	Calcium	79600			MS
7440-47-3	Chromium	0.58	J		MS
7440-48-4	Cobalt	0.81	J		MS
7440-50-8	Copper	3.3			MS
7439-89-6	Iron	667			MS
7439-92-1	Lead	1.9			MS
7439-95-4	Magnesium	13000			MS
7439-96-5	Manganese	70.7			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	2.8		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.3	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	0.45	J		MS
7440-66-6	Zinc	498			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.
MH26A1

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2697

Matrix: (soil/water) WATER Lab Sample ID: 8171027003

Level: (low/med) LOW Date Received: 06/18/2008

% 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	15.5	J		MS
7440-36-0	Antimony	5.5		E	MS
7440-38-2	Arsenic	1.5			MS
7440-39-3	Barium	67.0			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	4.7			MS
7440-70-2	Calcium	78700			MS
7440-47-3	Chromium	0.58	J		MS
7440-48-4	Cobalt	0.68	J		MS
7440-50-8	Copper	2.5			MS
7439-89-6	Iron	739			MS
7439-92-1	Lead	1.6			MS
7439-95-4	Magnesium	12200			MS
7439-96-5	Manganese	64.8			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	3.1		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.5	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	0.56	J		MS
7440-66-6	Zinc	595			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.
MH26A3

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2697

Matrix: (soil/water) WATER Lab Sample ID: 8171027004

Level: (low/med) LOW Date Received: 06/18/2008

% 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	4.1	J		MS
7440-36-0	Antimony	0.67	J	E	MS
7440-38-2	Arsenic	0.87	J		MS
7440-39-3	Barium	126			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.3			MS
7440-70-2	Calcium	84900			MS
7440-47-3	Chromium	0.42	J		MS
7440-48-4	Cobalt	0.75	J		MS
7440-50-8	Copper	1.1	J		MS
7439-89-6	Iron	707			MS
7439-92-1	Lead	1.0	U		MS
7439-95-4	Magnesium	18800			MS
7439-96-5	Manganese	143			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	2.6		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.49	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	0.69	J		MS
7440-66-6	Zinc	156			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.
MH26A4

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2697

Matrix: (soil/water) WATER Lab Sample ID: 8171027005

Level: (low/med) LOW Date Received: 06/18/2008

% 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	9.8	J		MS
7440-36-0	Antimony	6.9		E	MS
7440-38-2	Arsenic	1.5			MS
7440-39-3	Barium	42.7			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	6.3			MS
7440-70-2	Calcium	76300			MS
7440-47-3	Chromium	0.62	J		MS
7440-48-4	Cobalt	0.64	J		MS
7440-50-8	Copper	2.7			MS
7439-89-6	Iron	699			MS
7439-92-1	Lead	2.7			MS
7439-95-4	Magnesium	9840			MS
7439-96-5	Manganese	29.0			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	2.8		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.8	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	5.0	U		MS
7440-66-6	Zinc	880			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.
MH26A6

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2697

Matrix: (soil/water) WATER Lab Sample ID: 8171027006

Level: (low/med) LOW Date Received: 06/18/2008

% 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	31.8			MS
7440-36-0	Antimony	6.1		E	MS
7440-38-2	Arsenic	1.3			MS
7440-39-3	Barium	59.5			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	5.8			MS
7440-70-2	Calcium	64500			MS
7440-47-3	Chromium	0.63	J		MS
7440-48-4	Cobalt	0.63	J		MS
7440-50-8	Copper	4.9			MS
7439-89-6	Iron	590			MS
7439-92-1	Lead	0.39	J		MS
7439-95-4	Magnesium	9590			MS
7439-96-5	Manganese	36.6			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	3.3		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.78	J		MS
7440-22-4	Silver	0.37	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	0.70	J		MS
7440-66-6	Zinc	497			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.
MH26A7

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2697

Matrix: (soil/water) WATER Lab Sample ID: 8171027007

Level: (low/med) LOW Date Received: 06/18/2008

% 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	4.9	J		MS
7440-36-0	Antimony	7.1		E	MS
7440-38-2	Arsenic	1.5			MS
7440-39-3	Barium	41.3			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	6.1			MS
7440-70-2	Calcium	76300			MS
7440-47-3	Chromium	0.50	J		MS
7440-48-4	Cobalt	0.44	J		MS
7440-50-8	Copper	2.8			MS
7439-89-6	Iron	610			MS
7439-92-1	Lead	2.2			MS
7439-95-4	Magnesium	9700			MS
7439-96-5	Manganese	26.5			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	2.6		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.8	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	5.0	U		MS
7440-66-6	Zinc	854			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.
MH26A9

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2697

Matrix: (soil/water) WATER Lab Sample ID: 8171027008

Level: (low/med) LOW Date Received: 06/18/2008

% 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	8.2	J		MS
7440-36-0	Antimony	4.7		E	MS
7440-38-2	Arsenic	1.2			MS
7440-39-3	Barium	37.3			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	10.0			MS
7440-70-2	Calcium	66400			MS
7440-47-3	Chromium	0.45	J		MS
7440-48-4	Cobalt	0.33	J		MS
7440-50-8	Copper	2.0	J		MS
7439-89-6	Iron	607			MS
7439-92-1	Lead	41.8			MS
7439-95-4	Magnesium	7270			MS
7439-96-5	Manganese	1.1			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	1.9		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.9	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	5.0	U		MS
7440-66-6	Zinc	1130			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.
MH26B1

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2697

Matrix: (soil/water) WATER Lab Sample ID: 8171027009

Level: (low/med) LOW Date Received: 06/18/2008

% 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	4.3	J		MS
7440-36-0	Antimony	6.1		E	MS
7440-38-2	Arsenic	1.7			MS
7440-39-3	Barium	11.2			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	2.6			MS
7440-70-2	Calcium	89900			MS
7440-47-3	Chromium	0.57	J		MS
7440-48-4	Cobalt	0.59	J		MS
7440-50-8	Copper	5.6			MS
7439-89-6	Iron	804			MS
7439-92-1	Lead	1.1			MS
7439-95-4	Magnesium	11300			MS
7439-96-5	Manganese	9.9			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	3.6		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	2.8	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	5.0	U		MS
7440-66-6	Zinc	640			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.
MH26B2

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2697

Matrix: (soil/water) WATER Lab Sample ID: 8171027010

Level: (low/med) LOW Date Received: 06/18/2008

% 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	22.4			MS
7440-36-0	Antimony	6.9		E	MS
7440-38-2	Arsenic	1.1			MS
7440-39-3	Barium	101			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	8.8			MS
7440-70-2	Calcium	95200			MS
7440-47-3	Chromium	0.62	J		MS
7440-48-4	Cobalt	0.53	J		MS
7440-50-8	Copper	1.9	J		MS
7439-89-6	Iron	841			MS
7439-92-1	Lead	0.38	J		MS
7439-95-4	Magnesium	12900			MS
7439-96-5	Manganese	69.5			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	3.1		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	0.34	J		MS
7440-62-2	Vanadium	5.0	U		MS
7440-66-6	Zinc	1100			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.
MH26B4

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2697

Matrix: (soil/water) WATER Lab Sample ID: 8171027011

Level: (low/med) LOW Date Received: 06/18/2008

% 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	1.7	J		MS
7440-36-0	Antimony	1.0	J	E	MS
7440-38-2	Arsenic	6.1			MS
7440-39-3	Barium	157			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	0.037	J		MS
7440-70-2	Calcium	455000		D	MS
7440-47-3	Chromium	0.49	J		MS
7440-48-4	Cobalt	13.6			MS
7440-50-8	Copper	4.3			MS
7439-89-6	Iron	4760			MS
7439-92-1	Lead	1.0	U		MS
7439-95-4	Magnesium	101000			MS
7439-96-5	Manganese	9200		D	MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	13.3		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	5.0	U		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	5.0	U		MS
7440-66-6	Zinc	202			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.

MH26B5

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2697

Matrix: (soil/water) WATER Lab Sample ID: 8171027012

Level: (low/med) LOW Date Received: 06/18/2008

% 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	4.5	J		MS
7440-36-0	Antimony	0.79	J	E	MS
7440-38-2	Arsenic	10.7			MS
7440-39-3	Barium	56.5			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	0.045	J		MS
7440-70-2	Calcium	258000		D	MS
7440-47-3	Chromium	0.46	J		MS
7440-48-4	Cobalt	3.2			MS
7440-50-8	Copper	0.97	J		MS
7439-89-6	Iron	3610			MS
7439-92-1	Lead	0.17	J		MS
7439-95-4	Magnesium	59300			MS
7439-96-5	Manganese	539			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	10.9		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.53	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	2.2	J		MS
7440-66-6	Zinc	255			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.
MH26B6

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2697

Matrix: (soil/water) WATER Lab Sample ID: 8171027013

Level: (low/med) LOW Date Received: 06/18/2008

% 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	0.18	J	E	MS
7440-38-2	Arsenic	4.2			MS
7440-39-3	Barium	106			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	438000		D	MS
7440-47-3	Chromium	0.40	J		MS
7440-48-4	Cobalt	1.2			MS
7440-50-8	Copper	0.47	J		MS
7439-89-6	Iron	7980			MS
7439-92-1	Lead	1.0	U		MS
7439-95-4	Magnesium	99700			MS
7439-96-5	Manganese	896			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	9.3		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.29	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	0.58	J		MS
7440-66-6	Zinc	1.6	J		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.
MH26B7

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2697

Matrix: (soil/water) WATER Lab Sample ID: 8171027014

Level: (low/med) LOW Date Received: 06/18/2008

% 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	8.0	J		MS
7440-36-0	Antimony	2.0	U	E	MS
7440-38-2	Arsenic	3.7			MS
7440-39-3	Barium	107			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	0.044	J		MS
7440-70-2	Calcium	86300			MS
7440-47-3	Chromium	0.39	J		MS
7440-48-4	Cobalt	0.54	J		MS
7440-50-8	Copper	0.45	J		MS
7439-89-6	Iron	824			MS
7439-92-1	Lead	0.75	J		MS
7439-95-4	Magnesium	23200			MS
7439-96-5	Manganese	6.5			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	2.5		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.38	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	5.3			MS
7440-66-6	Zinc	4.3			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.
MH26B8

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2697

Matrix: (soil/water) WATER Lab Sample ID: 8171027015

Level: (low/med) LOW Date Received: 06/18/2008

% 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	8.1	J		MS
7440-36-0	Antimony	198		E	MS
7440-38-2	Arsenic	169			MS
7440-39-3	Barium	45.7			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	60.6			MS
7440-70-2	Calcium	296000		D	MS
7440-47-3	Chromium	0.36	J		MS
7440-48-4	Cobalt	8.2			MS
7440-50-8	Copper	3.0			MS
7439-89-6	Iron	7500			MS
7439-92-1	Lead	211			MS
7439-95-4	Magnesium	61600			MS
7439-96-5	Manganese	6720		D	MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	16.7		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	5.0	U		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.44	J		MS
7440-62-2	Vanadium	5.0	U		MS
7440-66-6	Zinc	60700		D	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.
MH26B9

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2697

Matrix: (soil/water) WATER Lab Sample ID: 8171027016

Level: (low/med) LOW Date Received: 06/18/2008

% 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	380		E	MS
7440-38-2	Arsenic	200			MS
7440-39-3	Barium	124			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	14.8			MS
7440-70-2	Calcium	118000			MS
7440-47-3	Chromium	0.21	J		MS
7440-48-4	Cobalt	2.0			MS
7440-50-8	Copper	1.6	J		MS
7439-89-6	Iron	8410			MS
7439-92-1	Lead	89.6			MS
7439-95-4	Magnesium	19100			MS
7439-96-5	Manganese	2020			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	7.5		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	5.0	U		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.6			MS
7440-62-2	Vanadium	5.0	U		MS
7440-66-6	Zinc	12700		D	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.
MH26C0

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2697

Matrix: (soil/water) WATER Lab Sample ID: 8171027017

Level: (low/med) LOW Date Received: 06/18/2008

% 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	8.8	J		MS
7440-36-0	Antimony	5.1		E	MS
7440-38-2	Arsenic	1.7			MS
7440-39-3	Barium	71.6			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	4.2			MS
7440-70-2	Calcium	77300			MS
7440-47-3	Chromium	0.58	J		MS
7440-48-4	Cobalt	0.38	J		MS
7440-50-8	Copper	3.2			MS
7439-89-6	Iron	712			MS
7439-92-1	Lead	1.4			MS
7439-95-4	Magnesium	12400			MS
7439-96-5	Manganese	67.7			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	2.6		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.2	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	0.56	J		MS
7440-66-6	Zinc	489			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.
MH26C2

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2697

Matrix: (soil/water) WATER Lab Sample ID: 8171027018

Level: (low/med) LOW Date Received: 06/18/2008

% 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	4.3	J		MS
7440-36-0	Antimony	7.0		E	MS
7440-38-2	Arsenic	1.5			MS
7440-39-3	Barium	41.7			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	6.1			MS
7440-70-2	Calcium	78200			MS
7440-47-3	Chromium	0.52	J		MS
7440-48-4	Cobalt	0.39	J		MS
7440-50-8	Copper	2.4			MS
7439-89-6	Iron	690			MS
7439-92-1	Lead	2.9			MS
7439-95-4	Magnesium	9880			MS
7439-96-5	Manganese	27.4			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	2.7		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	2.1	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	5.0	U		MS
7440-66-6	Zinc	892			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.
MH26C4

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2697

Matrix: (soil/water) WATER Lab Sample ID: 8171027019

Level: (low/med) LOW Date Received: 06/18/2008

% 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	4.4	J		MS
7440-36-0	Antimony	6.9		E	MS
7440-38-2	Arsenic	1.6			MS
7440-39-3	Barium	41.6			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	6.2			MS
7440-70-2	Calcium	77200			MS
7440-47-3	Chromium	0.56	J		MS
7440-48-4	Cobalt	0.43	J		MS
7440-50-8	Copper	2.3			MS
7439-89-6	Iron	722			MS
7439-92-1	Lead	3.1			MS
7439-95-4	Magnesium	9790			MS
7439-96-5	Manganese	27.9			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	2.8		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	2.0	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	5.0	U		MS
7440-66-6	Zinc	900			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.
MH26C6

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2697

Matrix: (soil/water) WATER Lab Sample ID: 8171027020

Level: (low/med) LOW Date Received: 06/18/2008

% 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	10.4	J		MS
7440-36-0	Antimony	7.0		E	MS
7440-38-2	Arsenic	1.1			MS
7440-39-3	Barium	102			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	8.5			MS
7440-70-2	Calcium	93300			MS
7440-47-3	Chromium	0.61	J		MS
7440-48-4	Cobalt	0.43	J		MS
7440-50-8	Copper	1.7	J		MS
7439-89-6	Iron	890			MS
7439-92-1	Lead	0.16	J		MS
7439-95-4	Magnesium	12600			MS
7439-96-5	Manganese	67.9			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	3.1		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.55	J		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.30	J		MS
7440-62-2	Vanadium	5.0	U		MS
7440-66-6	Zinc	1000			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.: MH2697

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	511.69	103	250.00	242.02	97	250.71	100	MS
Antimony	198.00	195.20	99	250.00	240.76	96	239.91	96	MS
Arsenic	199.00	195.50	98	250.00	242.46	97	240.87	96	MS
Barium	100.00	99.31	99	250.00	243.70	97	243.18	97	MS
Beryllium	99.00	96.72	98	250.00	250.18	100	249.92	100	MS
Cadmium	99.00	97.73	99	250.00	243.74	97	243.94	98	MS
Calcium	2036.00	2052.90	101	1000.00	1071.90	107	986.05	99	MS
Chromium	98.00	95.74	98	250.00	241.80	97	240.38	96	MS
Cobalt	99.00	98.21	99	250.00	246.24	98	244.73	98	MS
Copper	98.00	97.45	99	250.00	242.36	97	241.50	97	MS
Iron	1021.00	1042.70	102	1000.00	1071.60	107	997.04	100	MS
Lead	199.00	197.52	99	250.00	242.52	97	242.22	97	MS
Magnesium	1201.00	1205.50	100	1000.00	1103.50	110	989.17	99	MS
Manganese	99.00	95.63	97	250.00	240.33	96	238.32	95	MS
Mercury									NR
Nickel	98.00	98.77	101	250.00	246.84	99	244.83	98	MS
Potassium									NR
Selenium	201.00	203.61	101	250.00	242.15	97	240.09	96	MS
Silver	99.00	95.38	96	250.00	241.52	97	242.04	97	MS
Sodium									NR
Thallium	205.00	198.49	97	250.00	239.07	96	238.53	95	MS
Vanadium	100.00	98.03	98	250.00	244.39	98	242.34	97	MS
Zinc	200.00	200.26	100	250.00	243.05	97	242.76	97	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.: MH2697

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	242.68	97	242.77	97	MS
Antimony				250.00	243.50	97	242.21	97	MS
Arsenic				250.00	247.82	99	241.81	97	MS
Barium				250.00	246.89	99	244.84	98	MS
Beryllium				250.00	255.48	102	250.89	100	MS
Cadmium				250.00	247.69	99	244.68	98	MS
Calcium				1000.00	1020.70	102	1016.70	102	MS
Chromium				250.00	241.89	97	240.44	96	MS
Cobalt				250.00	246.17	98	245.61	98	MS
Copper				250.00	243.88	98	241.85	97	MS
Iron				1000.00	1001.70	100	1000.70	100	MS
Lead				250.00	241.89	97	242.55	97	MS
Magnesium				1000.00	1005.70	101	993.47	99	MS
Manganese				250.00	239.95	96	239.63	96	MS
Mercury									NR
Nickel				250.00	246.55	99	244.81	98	MS
Potassium									NR
Selenium				250.00	253.20	101	242.94	97	MS
Silver				250.00	243.90	98	242.65	97	MS
Sodium									NR
Thallium				250.00	238.46	95	238.99	96	MS
Vanadium				250.00	245.07	98	242.56	97	MS
Zinc				250.00	248.82	100	242.84	97	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.: MH2697

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									NR
Antimony				250.00	240.66	96			MS
Arsenic				250.00	241.38	97			MS
Barium				250.00	245.18	98			MS
Beryllium				250.00	250.77	100			MS
Cadmium				250.00	243.98	98			MS
Calcium				1000.00	1008.80	101			MS
Chromium				250.00	241.18	96			MS
Cobalt				250.00	244.06	98			MS
Copper				250.00	241.38	97			MS
Iron				1000.00	997.73	100			MS
Lead				250.00	243.00	97			MS
Magnesium				1000.00	991.50	99			MS
Manganese				250.00	239.61	96			MS
Mercury									NR
Nickel				250.00	244.16	98			MS
Potassium									NR
Selenium				250.00	240.43	96			MS
Silver				250.00	242.17	97			MS
Sodium									NR
Thallium				250.00	239.29	96			MS
Vanadium				250.00	243.44	97			MS
Zinc				250.00	242.65	97			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.: MH2697

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	1.86J	93	1.61J	81
Arsenic	1.00	0.96J	96	0.93J	93
Barium	10.00	9.69J	97	9.57J	96
Beryllium	1.00	1.03	103	1.01	101
Cadmium	1.00	1.01	101	0.97J	97
Calcium					
Chromium	2.00	1.93J	97	1.87J	94
Cobalt	1.00	0.97J	97	0.91J	91
Copper	2.00	2.00	100	2.05	103
Iron					
Lead	1.00	0.98J	98	0.94J	94
Magnesium					
Manganese	1.00	0.97J	97	0.95J	95
Mercury					
Nickel	1.00	1.05	105	1.00	100
Potassium					
Selenium	5.00	4.92J	98	5.06	101
Silver	1.00	0.94J	94	0.93J	93
Sodium					
Thallium	1.00	0.95J	95	0.85J	85
Vanadium	5.00	4.80J	96	4.71J	94
Zinc	2.00	1.86J	93	2.48	124
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.: MH2697

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			1.59J	80
Arsenic	1.00			0.99J	99
Barium	10.00			9.56J	96
Beryllium	1.00			0.96J	96
Cadmium	1.00			0.97J	97
Calcium					
Chromium	2.00			1.86J	93
Cobalt	1.00			0.93J	93
Copper	2.00			1.91J	96
Iron					
Lead	1.00			0.93J	93
Magnesium					
Manganese	1.00			0.97J	97
Mercury					
Nickel	1.00			0.95J	95
Potassium					
Selenium	5.00			4.81J	96
Silver	1.00			0.92J	92
Sodium					
Thallium	1.00			0.86J	86
Vanadium	5.00			4.69J	94
Zinc	2.00			2.48	124
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.: MH2697

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	20.000	U	20.000	U	20.000	U	20.000	U	16.366	J	MS
Antimony	0.223	J	0.192	J	0.155	J	0.148	J	2.000	U	MS
Arsenic	0.103	J	1.000	U	1.000	U	1.000	U	1.000	U	MS
Barium	0.059	J	0.053	J	10.000	U	10.000	U	10.000	U	MS
Beryllium	0.064	J	0.053	J	0.022	J	1.000	U	1.000	U	MS
Cadmium	0.051	J	0.051	J	0.026	J	1.000	U	0.022	J	MS
Calcium	500.000	U	29.861	J	4.074	J	5.019	J	24.873	J	MS
Chromium	0.049	J	0.053	J	2.000	U	2.000	U	0.371	J	MS
Cobalt	0.056	J	0.039	J	0.023	J	1.000	U	1.000	U	MS
Copper	0.131	J	0.280	J	0.061	J	0.153	J	0.192	J	MS
Iron	-5.640	J	-5.028	J	-7.939	J	-6.516	J	10.000	U	MS
Lead	0.063	J	0.051	J	0.023	J	1.000	U	1.000	U	MS
Magnesium	500.000	U	27.433	J	0.836	J	0.796	J	16.577	J	MS
Manganese	0.038	J	0.050	J	1.000	U	1.000	U	1.000	U	MS
Mercury											NR
Nickel	0.072	J	0.112	J	1.000	U	1.000	U	0.056	J	MS
Potassium											NR
Selenium	5.000	U	5.000	U	5.000	U	5.000	U	5.000	U	MS
Silver	1.000	U	0.039	J	1.000	U	1.000	U	1.000	U	MS
Sodium											NR
Thallium	0.071	J	0.040	J	1.000	U	-0.022	J	1.000	U	MS
Vanadium	0.040	J	0.045	J	5.000	U	5.000	U	5.000	U	MS
Zinc	2.000	U	0.297	J	2.000	U	0.371	J	2.000	U	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.: MH2697

Preparation Blank Matrix (soil/water): _____

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

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	1	C	2	C	3	C		C	M
Aluminum			20.000	U							MS
Antimony			0.185	J	0.209	J					MS
Arsenic			1.000	U	0.119	J					MS
Barium			10.000	U	0.040	J					MS
Beryllium			0.042	J	0.063	J					MS
Cadmium			0.041	J	0.063	J					MS
Calcium			11.244	J	16.335	J					MS
Chromium			2.000	U	2.000	U					MS
Cobalt			0.043	J	0.060	J					MS
Copper			0.082	J	0.102	J					MS
Iron			10.000	U							MS
Lead			0.042	J	0.059	J					MS
Magnesium			1.803	J	3.302	J					MS
Manganese			0.059	J	0.160	J					MS
Mercury											NR
Nickel			1.000	U	0.054	J					MS
Potassium											NR
Selenium			5.000	U	0.247	J					MS
Silver			1.000	U	0.028	J					MS
Sodium											NR
Thallium			1.000	U	0.032	J					MS
Vanadium			5.000	U	0.060	J					MS
Zinc			2.000	U	0.443	J					MS
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.: MH2697

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	95100	95	95100	95
Antimony	1.5	22.0	1.0	67	20.4	93
Arsenic	0.10	19.0	-0.25	250	18.4	97
Barium	1.2	22.0	1.4	117	21.9	100
Beryllium	0.0	19.0	0.27		18.7	98
Cadmium	0.70	20.0	3.6	514	21.6	108
Calcium	100000	100000	113000	113	114000	114
Carbon						
Chloride						
Chromium	21.0	40.0	19.6	93	38.9	97
Cobalt	1.0	20.0	1.4	140	20.7	104
Copper	8.0	25.0	8.4	105	26.3	105
Iron	100000	100000	113000	113	112000	112
Lead	4.0	25.0	4.4	110	24.5	98
Magnesium	100000	100000	103000	103	105000	105
Manganese	7.0	27.0	7.6	109	26.8	99
Molybdenum						
Nickel	6.0	24.0	7.6	127	26.1	109
Phosphorus						
Potassium						
Selenium	0.30	19.0	-2.8	933	15.3	81
Silver	0.0	18.0	0.027		17.4	97
Sodium						
Sulfur						
Thallium	0.0	21.0	-0.028		20.0	95
Titanium						
Vanadium	0.50	19.0	0.26	52	20.5	108
Zinc	11.0	29.0	13.5	123	28.4	98

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.: MH2697

Solid LCS Source: _____

Aqueous LCS Source: EPA-1(1201)

Analyte	Aqueous (ug/L)			Solid (mg/kg)					
	True	Found	%R	True	Found	C	Limits		%R
Aluminum	496.0	537.92	108						
Antimony	198.0	198.27	100						
Arsenic	199.0	193.34	97						
Barium	100.0	99.26	99						
Beryllium	99.0	99.28	100						
Cadmium	99.0	98.70	100						
Calcium	2036.0	2108.60	104						
Chromium	98.0	96.38	98						
Cobalt	99.0	98.94	100						
Copper	98.0	98.61	101						
Iron	1021.0	1069.70	105						
Lead	199.0	200.44	101						
Magnesium	1201.0	1313.80	109						
Manganese	99.0	96.36	97						
Mercury									
Nickel	98.0	100.32	102						
Potassium									
Selenium	201.0	198.14	99						
Silver	99.0	95.33	96						
Sodium									
Thallium	205.0	202.00	99						
Vanadium	100.0	98.74	99						
Zinc	200.0	199.84	100						
Cyanide									

USEPA - CLP

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA Sample No.

MH2697L

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2697

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	22.09		177.37		703		MS
Antimony	4.96		4.01	J	19	E	MS
Arsenic	1.84		1.94	J	5		MS
Barium	71.65		71.46		0		MS
Beryllium	1.00	U	5.00	U			MS
Cadmium	3.87		3.95	J	2		MS
Calcium	76319.00		71625.00		6		MS
Chromium	0.61	J	0.54	J	11		MS
Cobalt	0.88	J	0.89	J	1		MS
Copper	3.27		4.27	J	31		MS
Iron	697.69		678.10		3		MS
Lead	1.63		1.56	J	4		MS
Magnesium	12592.00		12597.00		0		MS
Manganese	71.90		72.39		1		MS
Nickel	2.94		3.30	J	12	E	MS
Potassium							NR
Selenium	1.18	J	1.56	J	32		MS
Silver	0.07	J	5.00	U	100		MS
Sodium							NR
Thallium	1.00	U	5.00	U			MS
Vanadium	0.54	J	25.00	U	100		MS
Zinc	499.93		528.45		6		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.: MH2697

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.: MH2697

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.: MH2697

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	250000	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.: MH2697

Preparation Method: HW3

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
PBW	07/01/2008		50
LCSW	07/01/2008		50
MH2697	07/01/2008		50
MH2699	07/01/2008		50
MH26A1	07/01/2008		50
MH26A3	07/01/2008		50
MH26A4	07/01/2008		50
MH26A6	07/01/2008		50
MH26A7	07/01/2008		50
MH26A9	07/01/2008		50
MH26B1	07/01/2008		50
MH26B2	07/01/2008		50
MH26B4	07/01/2008		50
MH26B5	07/01/2008		50
MH26B6	07/01/2008		50
MH26B7	07/01/2008		50
MH26B8	07/01/2008		50
MH26B9	07/01/2008		50
MH26C0	07/01/2008		50
MH26C2	07/01/2008		50
MH26C4	07/01/2008		50
MH26C6	07/01/2008		50

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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.: MH2697

Instrument ID: ICPM02 Analysis Method: MS

Start Date: 07/07/2008 End Date: 07/07/2008

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	1554																										
S0	1.0	1611	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
S2	1.0	1617	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
S5	1.0	1622	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
S10	1.0	1628	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
S50	1.0	1634	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
S200	1.0	1640	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
S500	1.0	1646	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
S1000	1.0	1652	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
S1500	1.0	1658	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
S2000	1.0	1704	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
ICV	1.0	1710	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
ICB	1.0	1716	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
CRII	1.0	1722		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
ICSA	1.0	1728	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
ICSAB	1.0	1734	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
CCV	1.0	1740		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
CCB	1.0	1745		X	X	X	X	X	X	X	X	X		X	X	X		X		X	X		X	X	X			
PBW	1.0	1751	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
LCSW	1.0	1757	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH2697	1.0	1803	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH2697L	5.0	1809	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH2699	1.0	1815	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH26A1	1.0	1821	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH26A3	1.0	1827	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH26A4	1.0	1833	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH26A6	1.0	1839	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
ZZZZZZ	1.0	1845																										
CCV2	1.0	1851	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
CCB2	1.0	1857	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH26A7	1.0	1903	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH26A9	1.0	1909	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH26B1	1.0	1915	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH26B2	1.0	1921	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH26B4	1.0	1927	X	X	X	X	X	X		X	X	X	X	X	X			X		X	X		X	X	X			
ZZZZZZ	1.0	1933																										

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.: MH2697

Instrument ID: ICPM02 Analysis Method: MS

Start Date: 07/07/2008 End Date: 07/07/2008

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		
CRIF	1.0	1939		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
CCV3	1.0	1945	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
CCB3	1.0	1951	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH26B5	1.0	1956	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
MH26B6	1.0	2002	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
MH26B7	1.0	2008	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH26B8	1.0	2014	X	X	X	X	X	X		X	X	X	X	X	X			X		X	X		X	X				
MH26B9	1.0	2020	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X				
MH26C0	1.0	2026	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH26C2	1.0	2032	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH26C4	1.0	2038	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH26C6	1.0	2044	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
ZZZZZZ	1.0	2050																										
CCV4	1.0	2056	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
CCB4	1.0	2102	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH26B8	2.0	2108							X							X												
MH26B8	20	2114																							X			
MH26B9	4.0	2120																							X			
MH26B4	2.0	2126							X							X												
MH26B5	2.0	2132							X																			
MH26B6	2.0	2138							X																			
CRIF2	1.0	2144		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
CCV5	1.0	2150	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
CCB5	1.0	2156	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			

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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.: MH2697

ICP-MS Instrument ID: ICPM02 Date: 07/07/2008

Element - Mass	Avg. Measured Mass (amu)	Avg. Peak Width at Peak Height (amu)	%RSD
Be - 9	9.01	0.71	0.5
Mg - 24	23.99	0.71	0.5
Mg - 25	24.99	0.71	0.6
Mg - 26	25.98	0.71	0.6
Co - 59	58.93	0.66	0.4
In - 113	112.90	0.71	0.9
In - 115	114.90	0.71	0.7
Pb - 206	205.97	0.77	1.1
Pb - 207	206.98	0.77	1.2
Pb - 208	207.98	0.77	1.2

Comments:

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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.: MH2697

ICP-MS Instrument ID: ICPM02 Start Date: 07/07/2008 End Date: 07/07/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 115In	Q	Element 159Tb	Q
S0	1611	100		100		100		100		100	
S2	1617	100		101		101		101		102	
S5	1622	101		100		100		99		99	
S10	1628	99		97		96		96		95	
S50	1634	102		100		101		102		102	
S200	1640	97		93		93		94		93	
S500	1646	95		90		91		92		93	
S1000	1652	94		87		89		90		91	
S1500	1658	97		91		91		91		90	
S2000	1704	100		97		98		100		100	
ICV	1710	98		93		92		93		93	
ICB	1716	102		99		98		99		100	
CRII	1722	101		99		99		98		99	
ICSA	1728	85		83		81		87		85	
ICSAB	1734	86		86		86		92		93	
CCV	1740	95		97		98		100		102	
CCB	1745	99		105		107		109		110	
PBW	1751	100		101		101		102		104	
LCSW	1757	97		96		96		99		101	
MH2697	1803	94		90		89		90		96	
MH2697L	1809	94		90		89		92		94	
MH2699	1815	94		88		88		89		96	
MH26A1	1821	94		86		84		86		91	

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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.: MH2697

ICP-MS Instrument ID: ICPM02 Start Date: 07/07/2008 End Date: 07/07/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	1611	100									
S2	1617	102									
S5	1622	99									
S10	1628	96									
S50	1634	104									
S200	1640	96									
S500	1646	97									
S1000	1652	96									
S1500	1658	94									
S2000	1704	103									
ICV	1710	95									
ICB	1716	101									
CRII	1722	100									
ICSA	1728	85									
ICSAB	1734	92									
CCV	1740	103									
CCB	1745	112									
PBW	1751	105									
LCSW	1757	103									
MH2697	1803	92									
MH2697L	1809	97									
MH2699	1815	96									
MH26A1	1821	91									

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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.: MH2697

ICP-MS Instrument ID: ICPM02 Start Date: 07/07/2008 End Date: 07/07/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 115In	Q	Element 159Tb	Q
MH26A3	1827	95		88		87		89		97	
MH26A4	1833	94		85		84		87		91	
MH26A6	1839	92		84		83		85		91	
ZZZZZZ	1845										
CCV2	1851	90		85		86		88		91	
CCB2	1857	91		88		88		90		92	
MH26A7	1903	94		86		86		89		96	
MH26A9	1909	95		85		84		86		90	
MH26B1	1915	92		83		82		85		90	
MH26B2	1921	93		85		84		86		92	
MH26B4	1927	84		84		81		80		87	
ZZZZZZ	1933										
CRIF	1939	95		95		96		97		100	
CCV3	1945	91		89		89		91		93	
CCB3	1951	94		94		94		97		99	
MH26B5	1956	88		84		82		83		89	
MH26B6	2002	88		86		83		83		88	
MH26B7	2008	92		86		82		85		88	
MH26B8	2014	88		85		83		84		89	
MH26B9	2020	90		85		82		84		88	
MH26C0	2026	93		86		85		86		91	
MH26C2	2032	93		85		84		86		90	
MH26C4	2038	92		83		82		84		87	

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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.: MH2697

ICP-MS Instrument ID: ICPM02 Start Date: 07/07/2008 End Date: 07/07/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
MH26A3	1827	95									
MH26A4	1833	94									
MH26A6	1839	89									
ZZZZZZ	1845										
CCV2	1851	96									
CCB2	1857	98									
MH26A7	1903	98									
MH26A9	1909	94									
MH26B1	1915	93									
MH26B2	1921	94									
MH26B4	1927	77									
ZZZZZZ	1933										
CRIF	1939	102									
CCV3	1945	97									
CCB3	1951	103									
MH26B5	1956	86									
MH26B6	2002	83									
MH26B7	2008	92									
MH26B8	2014	85									
MH26B9	2020	90									
MH26C0	2026	90									
MH26C2	2032	93									
MH26C4	2038	90									

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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.: MH2697

ICP-MS Instrument ID: ICPM02 Start Date: 07/07/2008 End Date: 07/07/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 115In	Q	Element 159Tb	Q
MH26C6	2044	94		85		83		84		88	
ZZZZZZ	2050										
CCV4	2056	89		83		83		85		87	
CCB4	2102	90		84		84		86		87	
MH26B8	2108	88		81		80		82		86	
MH26B8	2114	94		87		86		89		91	
MH26B9	2120	91		84		83		86		89	
MH26B4	2126	90		85		83		83		89	
MH26B5	2132	93		85		83		85		90	
MH26B6	2138	91		84		83		83		87	
CRIF2	2144	97		91		90		91		93	
CCV5	2150	91		85		84		87		88	
CCB5	2156	92		86		86		87		88	

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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.: MH2697

ICP-MS Instrument ID: ICPM02 Start Date: 07/07/2008 End Date: 07/07/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
MH26C6	2044	88									
ZZZZZZ	2050										
CCV4	2056	94									
CCB4	2102	94									
MH26B8	2108	87									
MH26B8	2114	96									
MH26B9	2120	95									
MH26B4	2126	84									
MH26B5	2132	90									
MH26B6	2138	86									
CRIF2	2144	97									
CCV5	2150	94									
CCB5	2156	93									

Run MS208082 Summary		9Be	24Mg	27Al	44Ca	51V	52Cr	55Mn	57Fe	59Co	60Ni	63Cu	66Zn	75As	82Se	107Ag	111Cd	121Sb	135Ba	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	07/07/2008 16:11:02	0	0	0	0	0	0	0	-2.7994	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	07/07/2008 16:17:01	1.8672	1.2348	2.5336	1.278	1.7772	1.7928	1.7442	-1.7658	1.7762	2.3487	1.9658	2.435	1.8484	1.8953	1.775	1.8006	1.5048	1.8239	1.7125	1.8204	100.25%	100.59%	100.72%	101.22%	101.50%	102.11%
S5	07/07/2008 16:22:57	4.9085	4.3476	5.9103	7.9436	4.7455	4.6656	4.6182	3.0755	4.6895	5.474	4.986	5.5354	4.7849	4.4684	4.6688	4.7232	4.439	4.8896	4.4948	4.7134	101.12%	99.88%	99.66%	99.23%	99.20%	99.41%
S10	07/07/2008 16:28:56	10.035	9.6741	10.9	13.876	9.6667	9.5127	9.3329	11.672	9.5859	10.9	10.016	11.05	10.032	10.141	9.5067	9.7026	9.3263	10.04	9.1793	9.5841	99.22%	97.21%	96.35%	95.76%	95.05%	95.77%
S50	07/07/2008 16:34:51	49.063	49.068	49.707	51.149	46.839	46.504	45.877	43.708	46.848	48.654	47.138	48.897	48.423	49.497	46.569	48.181	47.03	48.047	45.203	46.814	101.97%	100.03%	100.66%	101.54%	101.75%	104.07%
S200	07/07/2008 16:40:46	198.27	193.98	197.3	202.58	195.4	193.62	191.52	197.27	195.83	197.35	194.61	198.02	197.6	199.32	192.59	196.83	194.43	197.12	189.45	193.08	97.32%	92.82%	92.87%	93.55%	93.01%	96.28%
S500	07/07/2008 16:46:42	500.79	497.76	501.08	509.19	502.17	502.92	503.82	507.46	501.99	501.17	502.44	500.87	501.12	500.33	503.32	501.46	502.54	501.35	504.72	503.1	95.01%	90.28%	91.32%	92.38%	93.49%	97.22%
S1000	07/07/2008 16:52:36	969.93	977.94	952.18	1007.2	970.58	965.2	957.4	1004.6	978.16	999.21	982.58	969.87	989.7	979.91	975.36	990.94	1013.1	992.7	960.84	988.19	93.73%	87.10%	88.52%	90.47%	91.49%	96.14%
S1500	07/07/2008 16:58:32	0.2209	1474.2	0.4771	1502.3	0.2341	0.2971	0.2404	1507.4	0.2134	0.3498	0.3925	0.9814	0.2494	0.1569	0.4845	0.2117	1.2843	0.2307	0.2197	0.276	96.78%	90.77%	90.50%	91.38%	89.72%	94.16%
S2000	07/07/2008 17:04:27	0.1163	2031.6	0.6404	1992.1	0.1099	0.2158	0.2785	1990.7	0.1607	0.2912	0.2872	0.913	0.5678	0.2687	0.3772	0.1219	3.5607	0.1637	0.2406	0.9087	100.04%	97.02%	98.15%	99.50%	100.27%	102.71%
ICV	07/07/2008 17:10:24	96.715	1205.5	511.69	2052.9	98.03	95.736	95.626	1042.7	98.212	98.769	97.454	200.26	195.5	203.61	95.382	97.726	195.2	99.264	198.49	197.52	97.85%	92.50%	92.17%	92.64%	92.69%	94.86%
ICB	07/07/2008 17:16:21	0.0644	-0.2336	-0.0493	-0.4864	0.0398	0.0492	0.0381	-5.6396	0.0562	0.0723	0.1311	0.1162	0.1027	0.0388	0.0168	0.0513	0.2228	0.0347	0.0708	0.0628	101.80%	98.50%	98.46%	98.92%	99.61%	100.60%
CRII	07/07/2008 17:22:16	1.025	-0.3953	35.434	-0.9384	4.8021	1.9334	0.9673	-5.887	0.9718	1.0498	2.0026	1.8557	0.9617	4.9222	0.9413	1.0072	1.8569	9.6377	0.9537	0.981	100.99%	98.80%	98.62%	98.49%	98.80%	100.06%
ICSA	07/07/2008 17:28:09	0.2741	102620	95141	113460	0.2613	19.553	7.606	112760	1.4261	7.5947	8.4339	13.481	-0.2516	-2.7736	0.0269	3.6033	1.032	1.4574	-0.0282	4.3881	85.01%	82.53%	80.68%	86.53%	85.12%	85.35%
ICSAB	07/07/2008 17:34:12	18.72	104860	95092	113910	20.501	38.851	26.844	111600	20.747	26.125	26.285	28.427	18.42	15.304	17.386	21.638	20.419	21.833	19.973	24.532	86.25%	86.37%	85.53%	92.17%	93.39%	91.82%
CCV	07/07/2008 17:40:06	250.18	1103.5	315.77	1071.9	244.39	241.8	240.33	1071.6	246.24	246.84	242.36	243.05	242.46	242.15	241.52	243.74	240.76	244.54	239.07	242.52	94.96%	97.22%	98.12%	99.77%	101.85%	103.09%
CCB	07/07/2008 17:45:59	0.0531	27.433	25.799	29.861	0.0446	0.0526	0.05	13.149	0.0393	0.1117	0.2804	0.2973	0.0266	-0.0112	0.0388	0.0507	0.192	0.0499	0.0396	0.0513	98.80%	105.27%	106.86%	108.93%	110.41%	111.61%
PBW	07/07/2008 17:51:54	0.0248	16.577	16.366	24.873	0.0968	0.3712	0.0071	4.508	0.0117	0.0561	0.1916	0.0819	-0.0391	-0.1087	0.0276	0.0217	-0.0546	-0.0109	-0.0213	0.0112	100.29%	101.17%	100.88%	102.14%	103.85%	104.67%
LCSW	07/07/2008 17:57:59	99.283	1313.8	537.92	2108.6	98.742	96.383	96.36	1069.7	98.944	100.32	98.614	199.84	193.34	198.14	95.33	98.7	198.27	100.05	202	200.44	97.37%	96.14%	96.17%	98.86%	100.88%	102.81%
MH2697	07/07/2008 18:03:57	0.0058	12592	22.087	76319	0.5363	0.6082	71.904	697.69	0.8833	2.9423	3.2679	499.93	1.8368	1.1825	0.0666	3.8671	4.9601	72.379	0.1535	1.6277	94.22%	90.24%	88.77%	89.81%	96.11%	92.43%
MH2697L	07/07/2008 18:09:54	-0.002	2519.4	35.473	14325	0.1661	0.1087	14.477	135.62	0.1785	0.6609	0.8537	105.69	0.3872	0.3124	0.0081	0.7893	0.8028	14.233	-0.0006	0.311	94.21%	89.79%	89.24%	91.88%	94.13%	96.67%
MH2699	07/07/2008 18:15:50	-0.0056	12980	19.995	79595	0.4531	0.5761	70.677	666.93	0.8133	2.8416	3.2719	497.91	1.8305	1.3101	0.0416	4.3243	5.2401	73.175	0.0501	1.9169	93.93%	88.00%	87.92%	89.39%	95.91%	95.91%
MH26A1	07/07/2008 18:21:48	-0.0088	12174	15.528	78674	0.5632	0.5767	64.805	738.63	0.683	3.0531	2.5443	594.68	1.498	1.4673	0.0386	4.7098	5.511	67.106	0.0546	1.5519	93.72%	85.65%	84.43%	85.91%	90.65%	91.03%
MH26A3	07/07/2008 18:27:45	-0.0114	18808	4.1246	84906	0.6943	0.4214	142.86	706.68	0.7502	2.6272	1.0511	156.07	0.8687	0.4864	0.0027	1.2839	0.6692	126.2	-0.0095	0.0254	94.50%	87.76%	87.17%	89.24%	96.54%	94.67%
MH26A4	07/07/2008 18:33:42	-0.0103	9844	9.8279	76291	0.2198	0.6151	29.024	699.01	0.6359	2.7715	2.6588	879.73	1.4532	1.8169	0.0181	6.2842	6.8912	42.578	0.0512	2.7405	94.02%	85.08%	84.38%	86.55%	91.35%	93.59%
MH26A6	07/07/2008 18:39:35	-0.0133	9586.9	31.75	64468	0.6952	0.6287	36.577	590.08	0.6291	3.3224	4.8528	496.58	1.2687	0.7789	0.3677	5.7802	6.1148	59.842	0.0444	0.3853	92.03%	84.28%	83.45%	84.84%	91.17%	89.35%
ZZZZZZ	07/07/2008 18:45:30	-0.0177	4.9887	-0.0482	18.789	-0.0112	-0.0237	0.0035	-10.291	-0.0128	-0.0115	0.0276	0.1138	-0.0002	-0.0177	-0.0015	-0.0052	-0.2353	-0.0171	-0.0498	-0.0159	95.58%	91.33%	92.08%	94.90%	98.86%	103.59%
CCV2	07/07/2008 18:51:24	249.92	989.17	242.02	986.05	242.34	240.38	238.32	997.04	244.73	244.83	241.5	242.76	240.87	240.09	242.04	243.94	239.91	243.72	238.53	242.22	90.04%	85.29%	85.58%	88.23%	90.54%	95.89%
CCB2	07/07/2008 18:57:19	0.0222	0.8359	-0.1162	4.074	0.0236	-0.0165	0.0161	-5.0282	0.023	0.0178	0.061	-0.0977	0.0541	0.0977	0.0049	0.0258	0.1552	0.0156	0.0011	0.0228	91.22%	87.51%	87.60%	90.48%	91.83%	97.61%
MH26A7	07/07/2008 19:03:17	0.0109	9700.6	4.8892	76273	0.2365	0.5004	26.465	609.79	0.4377	2.5619	2.7709	853.52	1.4994	1.8407	0.0093	6.0805	7.099	41.572	0.0699	2.2117	93.86%	85.81%	85.98%	88.67%	95.95%	97.75%
MH26A9	07/07/2008 19:09:18	0.0013	7269.8	8.2305	66402	0.2544	0.4474	1.1047	606.6	0.3268	1.878	1.9919	1133.2	1.1742	1.8801	0.0073	10.018	4.6537	37.022	-0.024	41.811	94.52%	84.81%	83.94%	86.15%	90.28%	93.97%
MH26B1	07/07/2008 19:15:15	-0.009	11333	4.2535	89869	0.3155	0.5711	9.8908	803.95	0.5898	3.6234	5.6058	639.57	1.7332	2.761	-0.0031	2.6168	6.1143	11.416	-0.0298	1.0625	92.48%	83.45%	82.00%	84.68%	90.45%	93.49%
MH26B2	07/07/2008 19:21:16	-0.0099	12940	22.417	95162	0.1506	0.6244	69.465	840.71	0.5313	3.0558	1.9368	1098.7	1.1492	0.7098	0.0145	8.8036	6.9485	100.93	0.3371	0.3805	93.32%	85.01%	84.37%	86.37%	92.14%	94.00%
MH26B4	07/07/2008 19:27:14	-0.0094	100790	1.745	445300	0.1284	0.4939	8992	4761.1	13.556	13.298	4.285	201.64	6.0642	-0.4238	-0.0033	0.037	1.024	156.84	-0.0408	0.0002	83.51%	83.79%	81.13%	79.78%	86.70%	77.45%
ZZZZZZ	07/07/2008 19:33:11	-0.0162	25.168	-0.3129	152.81	0.011	0.0087	0.6787	-4.8218	-0.0117	-0.0018	0.206	2.8834	0.0085	0.0089	0.0371	0.0112	-0.2366	-0.0203	-0.0537	-0.0227	95.80%	95.46%	95.90%	97.87%	99.63%	102.71%
CRIF	07/07/2008 19:39:09	1.0083	3.7524	1.8994	20.042	4.7138	1.8682	0.9458	-6.0788	0.9092	1.0041	2.0466	2.4849	0.9288	5.0552	0.9257	0.9696	1.6128	9.4649	0.8506	0.9406	95.08%	95.02%	95.68%	97.17%	99.63%	101.89%
CCV3	07/07/2008 19:45:05	255.48	1005.7	250.71	1020.7	245.07	241.89	239.95	1001.7	246.17	246.55	243.88	248.82	247.82	253.2	243.9	247.69	243.5	246.13	238.46	241.89	90.87%	88.97%	89.15%	91.35%	92.84%	97.38%
CCB3	07/07/2008 19:51:00	0.0115	0.7958	-0.1686	5.0185	0.015	0.0053	0.0131	-7.9391	0.0068	0.0062	0.1525	0.3707	0.0065	0.0252	-0.0024	0.0128	0.1479	-0.0134	-0.0223	0.0169	94.03%	93.64%	94.10%	96.54%	98.69%	102.91%
MH26B5	07/07/2008 19:56:56	0.0046	59338	4.5412	256800	2.1784	0.4596	539.42	3614.7	3.1991	10.881	0.9741	254.62	10.659	0.527	0.0161	0.045	0.792	56.182	-0.035	0.1733	88.22%	84.17%	82.36%	82.97%	89.49%	86.44%
MH26B6	07/07/2008 20:02:55	0.0064	99678	1.4116	431760	0.5813	0.4045	895.68	7983.3	1.2358	9.2612	0.4729	1.5633	4.1994	0.2898	-0.0108	-0.0081	0.1785	106.27	-0.0576	-0.0186	88.45%	85.80%	82.90%	82.73%	88.12%	83.19%
MH26B7	07/07/2008 20:08:50	-0.0133	23194	8.0235	86335	5.344	0.3855	6.5348	824.28	0.5433	2.5122	0.4543	4.2723	3.7467	0.3842	-0.0102	0.0439	0.0028	107.75	-0.0551	0.7476	92.15%	85.61%	82.06%	85.03%	88.37%	92.11%
MH26B8	07/07/2008 20:14:47	-0.0089	61569	8.1359	291390	0.1757	0.3627	6547.6	7497.5	8.1766	16.663	3.0071	49688	168.73	-1.6577	0.0419	60.647	197.82	46.304	0.4444	210.67	87.59%	85.28%	83.35%	83.72%	89.12%	85.48%
MH26B9	07/07/2008 20:20:55	-0.0249	19102	1.5057	117880	0.0444	0.207	2019.1	8413.1	2.0313	7.4577	1.6209	11195	199.91	0.1631	0.0045	14.76	380.3	124.22	1.5821	89.627	89.70%	85.34%	82.04%	84.25%	87.80%	90.11%
MH26C0	07/07/2008 20:26:52	-0.0237	12410	8.8422	77289	0.5628	0.577	67.666	712.45	0.3804	2.6281	3.2054	488.53	1.7202	1.1548	0.0148	4.2296	5.141	72.637	0.0298	1.4321	93.44%	86.32%	84.67%	85.69%	90.75%	89.98%
MH26C2	07/07/2008 20:32:50	-0.0209	9877.6	4.2964	78241	0.212	0.5187	27.436	689.85	0.3879	2.716	2.3755	891.57	1.4826	2.0563	-0.0155	6.1275	7.0013	42.302	0.0407	2.9421	93.49%	85.11%	83.75%	86.25%	89.72%	92.80%
MH26C4	07/07/2008 20:38:48	-0.0198	9785.5	4.4452	77232	0.3457	0.5609	27.932	721.6	0.4266	2.8426	2.3266	899.87	1.6198	2.0403	-0.006	6.2282	6.8987	41.672	0.042	3.0521	92.10%	83.20%	81.62%	83.58%	87.27%	89.98%
MH26C6	07/07/2008 20:44:46	-0.0169	12575	10.362	93300	0.2979	0.6118	67.85	889.92	0.4337	3.1368	1.6906	1003.3	1.1308	0.5483	-0.0061	8.4921	6.9847	101.73	0.3002	0.1609	93.61%	84.75%	82.77%	83.94%	87.55%	88.10%
ZZZZZZ	07/07/2008 20:50:45	-0.0169	6.4733	-0.1741	37.505	-0.0188	-0.0278	0.0595	-8.3367	0.0138	-0.0191	-0.0199	0.2927	0.0455	0.1628	0.0177	-0.0065	-0.2416	-0.0158	-0.055	-0.0156	92.81%	86.57%	85.83%	88.03%	90.32%	95.53%
CCV4	07/07/2008 20:56:42	250.89	993.47	242.68	1016.7	242.56	240.44	239.63	1000.7	245.61	244.81	241.85	242.84	241.81	242.94	242.65	244.68	242.21	245.03	238.99	242.55	89.03%	82.69%	82.80%	85.32%	87.10%	93.61%
CCB4	07/07/2008 21:02:39	0.0419	1.8029	-0.2423	11.244	0.0106	-0.0177	0.0594	-6.5155	0.0431	0.0204	0.0817	-0.0099	0.0331	-0.0249	0.0153	0.0411	0.1852	0.02	0.0003	0.0416	89.89%	83.89%	83.89%	86.21%	87.08%	93.67%
MH26B8-2x	07/07/2008 21:08:35	-0.0094	30816	4.1238	148220	0.0789	0.1423	3360.4	3793.8	4.2105	8.8568	1.4785	26773	86.137	-0.5156	0.0225	31.196	99.022	22.988	0.1884	102.94	88.01%	81.04%	80.27%	81.80%	85.95%	86.99%
MH26B8-20x	07/07/2008 21:14:34	-0.0183	3070.8	0.2261	13753	0.0135	-0.023	335.77	372.04	0.4143	0.8735	0.1761	3034	8.6654	0.1406	-0.0179	3.11	9.4208	2.1454	-0.0298	9.7357	94.16%	86.64%	85.96%	88.54%	90.58%	96.15%
MH26B9-4x	07/07/2008 21:20:31	-0.0166	4903.4	0.2368	29264	-0.0763	0.0009	534.07	2127.8	0.4924	1.9382	0.4128	3177.3	50.63	-0.0382	-0.0143	3.7749	94.321	30.985	0.3412	22.066	91.25%	83.88%	82.92%	85.90%	88.59%	95.04%
MH26B4-2x	07/07/2008 21:26:29	-0.0074	51125	0.9128	227420	0.1081	0.2218	4598.6	2429.4	6.923	6.9519	1.7124	109.04	3.201	-0.0102	-0.0149	0.0211	0.3724	79.891	-0.0514	-0.009	89.73%	85.23%	83.25%	83.22%	88.54%	84.28%
MH26B5-2x	07/07/2008 21:32:27	-0.0082	29617	2.1444	129170	1.0546	0.2091	265.89	1807.2	1.612	5.5577	0.5325	133.46	5.3228	0.1793	-0.0025	0.0149	0.2198	27.884	-0.0519	0.0657	92.68%	84.99%	83.31%	85.03%	90.30%	90.39%
MH26B6-2x	07/07/2008 21:38:25	-0.0087	50329	0.7672	218780	0.214	0.1922	484.4	4171.9	0.6315	5.0976	0.2092	0.9863	2.1086	0.1575	-0.0118	-0.01	-0.0489	52.9	-0.0578	-0.0229	91.11%	84.48%	82.70%	83.33%	87.19%	86.46%
CRIF2	07/07/2008 21:44:22	0.9646	4.0179	-0.4157	30.33	4.6902	1.863	0.9724	-6.4167	0.9273	0.9496	1.9069	2.481	0.9937	4.8112	0.9185	0.9663	1.5903	9.6829	0.8615	0.9339	97.49%	91.03%	89.53%	91.14%	92.56%	96.66%
CCV5	07/07/2008 21:50:20	250.77	991.5	242.77	1008.8	243.44	241.18	239.61	997.73	244.06	244.16	241.38	242.65	241.38	240.43	242.17	243.98	240.66	245.22	239.29	243	91.22%	84.59%	84.33%	86.62%	88.13%	93.74%
CCB5	07/07/2008 21:56:16	0.0629	3.3021	-0.2336	16.335	0.0595	0.033	0.1602	-1.2323	0.0602	0.0543	0.1022	0.443	0.119	0.2474	0.0279	0.0634	0.2085	0.04	0.0321	0.0586	92.25%	86.40%	85.51%	87.05%	87.50%	92.66%

Results are not used, due to results above the linear ranges.
Dilution results used.
Results are outside of control limits.

Performance Report

RUN# MS208082

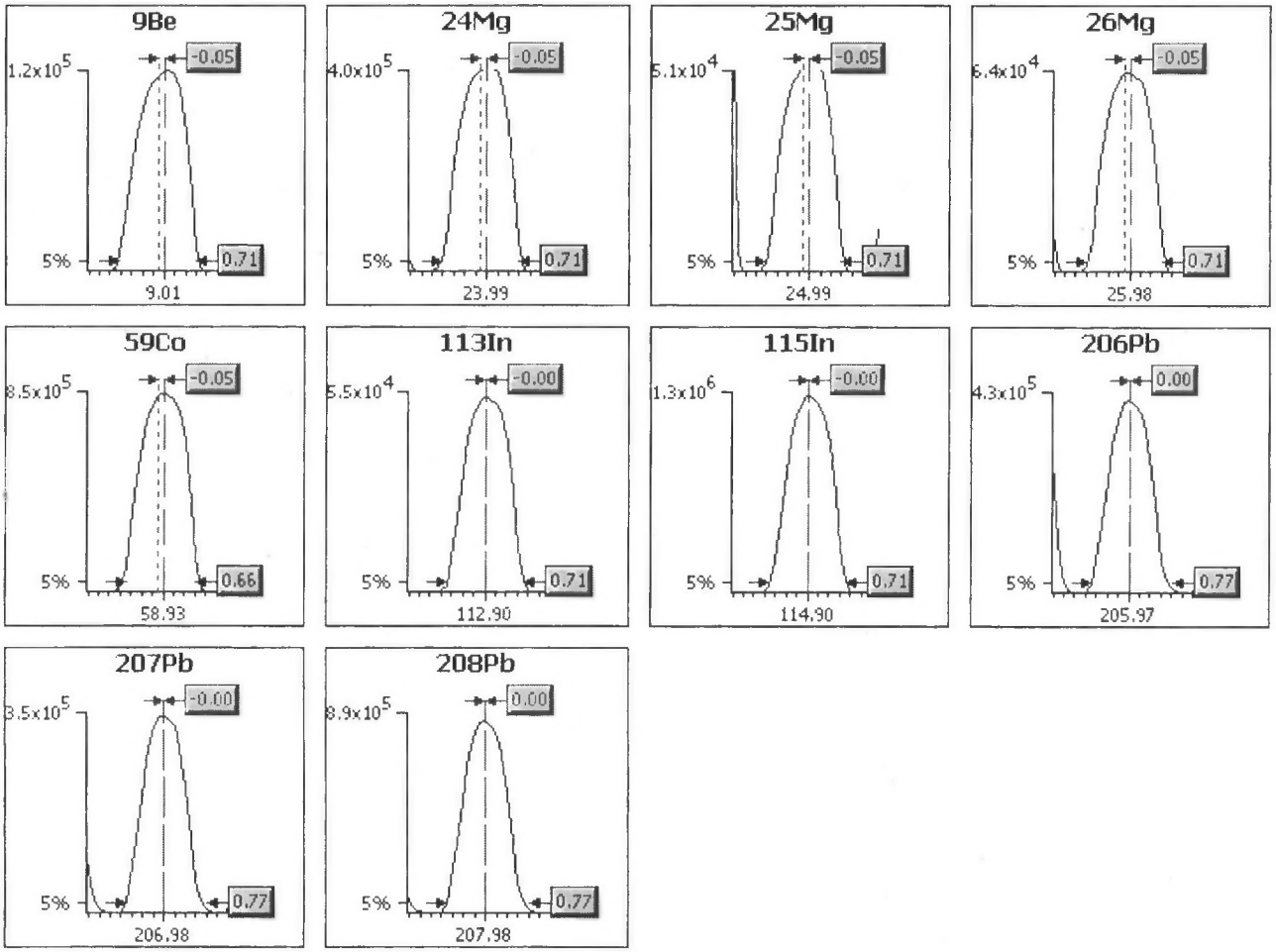
SDG# MH2697

Sample details
Acquired at : 07/07/2008 15:54:06
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

TUNE



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	0.71	-0.05
26Mg	0.75	0.60	0.10	0.71	-0.05
59Co	0.72	0.60	0.10	0.66	-0.05
113In	0.75	0.60	0.10	0.71	-0.00
115In	0.75	0.60	0.10	0.71	-0.00
206Pb	0.80	0.60	0.10	0.77	0.00
207Pb	0.80	0.60	0.10	0.77	-0.00
208Pb	0.80	0.60	0.10	0.77	0.00

Sample details
Acquired at : 07/07/2008 15:54:06
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	0.76
Sampling Depth	107

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	1549
PC Detector	3020

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	15:54:27	0.077	111802.69	413235.62	55076.018	63892.461	584515.71	846527.45	42789.833	0.231
2	15:55:40	0.308	112760.85	417503.75	55730.347	64435.852	589776.10	850375.88	43292.935	0.231
3	15:56:53	0.077	111479.16	414571.10	55401.240	64300.970	591420.58	846823.03	43141.898	0.308
4	15:58:06	0.462	111617.93	414185.71	55697.048	64411.046	590622.22	845205.10	42983.390	0.077
5	15:59:19	0.231	111460.45	417727.63	55880.578	65007.186	590839.94	854175.84	43380.310	0.154
x		0.231	111824.22	415444.76	55557.046	64409.503	589434.91	848621.46	43117.673	0.200
σ		0.16	541.22	2042.04	320.14	399.07	2812.55	3647.60	237.59	0.09
%RSD		70.711	0.484	0.492	0.576	0.620	0.477	0.430	0.551	43.853

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	15:54:27	56414.155	1340646.7	991165.93	1459983.7	31990.517	426273.74	352234.70	883540.62	0.846
2	15:55:40	56341.358	1332426.0	986440.70	1451243.8	32575.340	422666.00	348468.93	872375.78	0.462
3	15:56:53	56350.651	1329408.6	980391.55	1441139.3	32436.080	420057.40	345410.07	867418.48	0.308
4	15:58:06	56603.897	1336549.3	987945.87	1452412.9	32144.698	424776.26	349796.70	877398.97	0.462
5	15:59:19	57522.463	1353249.4	1001495.3	1475963.8	32225.522	432884.07	356964.33	893812.73	0.308
x		56646.505	1338456.0	989487.87	1456148.7	32274.431	425331.49	350574.95	878909.31	0.477
σ		500.94	9293.76	7768.53	12948.41	232.65	4825.93	4338.66	10253.88	0.22
%RSD		0.884	0.694	0.785	0.889	0.721	1.135	1.238	1.167	46.187

Ratio results

Run	Time	56Ar O/59Co	138Ba++/138Ba	115In/101Bkg	156Ce O/140Ce
Ratio limits		-	-	>10000.0000	<0.0300
1	15:54:27	0.690	0.043	5809468.9	0.022
2	15:55:40	0.694	0.044	5773846.1	0.022
3	15:56:53	0.698	0.044	4320577.7	0.023
4	15:58:06	0.699	0.044	17375141	0.022
5	15:59:19	0.692	0.043	8796121.0	0.022
x		0.6946	0.0436	8415031.0	0.0222
σ		0.00	0.00	5266834.10	0.00
%RSD		0.5501	0.8254	62.5884	1.3750

Result : The performance report passed.

Experiment Details

RUN # MS208082
ICPM02
07/08/08

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Elemental\PlasmaLab\data\Run Data\MS208077.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	07/08/2008 15:23:41
Instrument Detector	Simultaneous
Database Version	3.51
Acquisition Mode	Unknown

ILM05.4-HW3

MOD # 1554.1

Numerical Results report key (text indicates meaning)

SDG# MH2697
CASE# 37402

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

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

27Al AND 57Fe ISSUES.

✓KB
07/14/08

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		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	None	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	

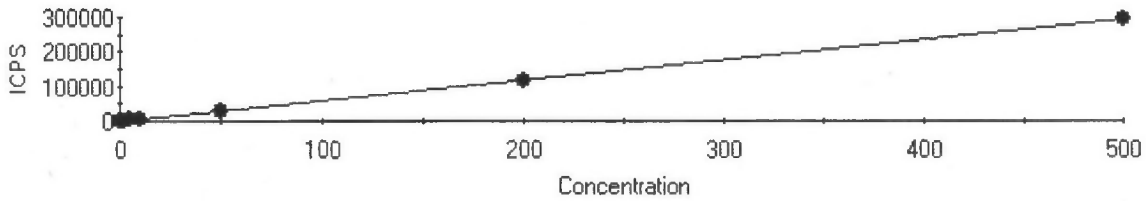
Sample List

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	MH2697	Unknown	1.000	1	2	8	144
21	MH2697L	Unknown	1.000	1	2	9	144
22	MH2699	Unknown	1.000	1	2	10	144
23	MH26A1	Unknown	1.000	1	2	11	144
24	MH26A3	Unknown	1.000	1	2	12	144
25	MH26A4	Unknown	1.000	1	3	1	144
26	MH26A6	Unknown	1.000	1	3	2	144
27	ZZZZZZ	Unknown	1.000	1	3	3	144
28	CCV2	Unknown	1.000	1	3	4	144
29	CCB2	Unknown	1.000	1	3	5	144
30	MH26A7	Unknown	1.000	1	3	6	144
31	MH26A9	Unknown	1.000	1	3	7	144
32	MH26B1	Unknown	1.000	1	3	8	144
33	MH26B2	Unknown	1.000	1	3	9	144
34	MH26B4	Unknown	1.000	1	3	10	144
35	ZZZZZZ	Unknown	1.000	1	3	11	144
36	CRIF	Unknown	1.000	1	3	12	144
37	CCV3	Unknown	1.000	1	4	1	144
38	CCB3	Unknown	1.000	1	4	2	144
39	MH26B5	Unknown	1.000	1	4	3	144
40	MH26B6	Unknown	1.000	1	4	4	144
41	MH26B7	Unknown	1.000	1	4	5	144
42	MH26B8	Unknown	1.000	1	4	6	144
43	MH26B9	Unknown	1.000	1	4	7	144
44	MH26C0	Unknown	1.000	1	4	8	144
45	MH26C2	Unknown	1.000	1	4	9	144
46	MH26C4	Unknown	1.000	1	4	10	144

47	MH26C6	Unknown	1.000	1	4	11	144
48	ZZZZZZ	Unknown	1.000	1	4	12	144
49	CCV4	Unknown	1.000	1	5	1	144
50	CCB4	Unknown	1.000	1	5	2	144
51	MH26B8-2x	Unknown	1.000	1	5	6	144
52	MH26B8-20x	Unknown	1.000	1	5	7	144
53	MH26B9-4x	Unknown	1.000	1	5	8	144
54	MH26B4-2x	Unknown	1.000	1	5	9	144
55	MH26B5-2x	Unknown	1.000	1	5	10	144
56	MH26B6-2x	Unknown	1.000	1	5	11	144
57	CRIF2	Unknown	1.000	1	5	3	144
58	CCV5	Unknown	1.000	1	5	4	144
59	CCB5	Unknown	1.000	1	5	5	144

Fully Quant Calibration

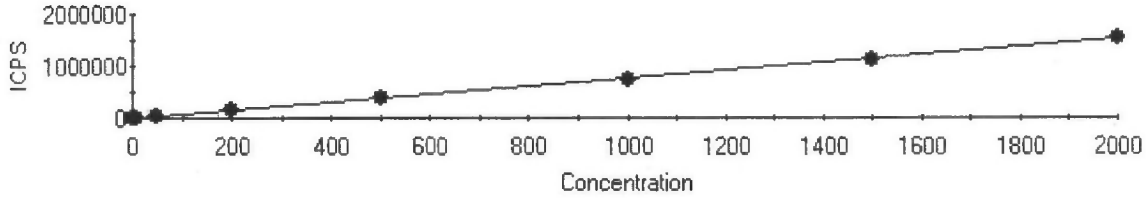
9Be FQ Block 1



Intercept CPS=19.677106 Intercept Conc=0.033436
Sensitivity=588.508300 Correlation Coeff=0.999991

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	19.68	0.00
S2	2.000	1.867	0.133	1118.57	6.64
S5	5.000	4.909	0.091	2908.39	1.83
S10	10.000	10.035	0.035	5925.26	0.35
S50	50.000	49.063	0.937	28893.87	1.87
S200	200.000	198.266	1.734	116700.86	0.87
S500	500.000	500.788	0.788	294737.58	0.16

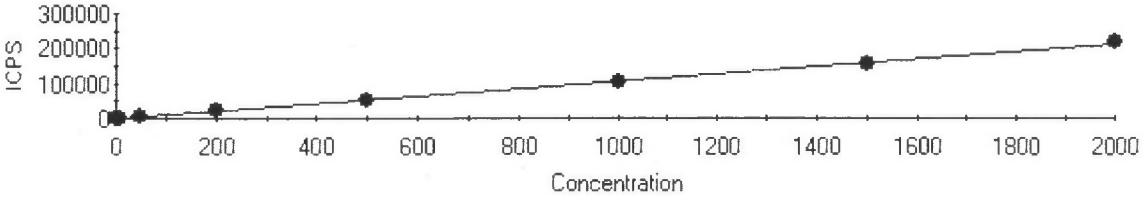
24Mg FQ Block 1



Intercept CPS=1064.792895 Intercept Conc=1.397026
Sensitivity=762.185316 Correlation Coeff=0.999784

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	1064.79	0.00
S2	2.000	1.235	0.765	2005.92	38.26
S5	5.000	4.348	0.652	4378.49	13.05
S10	10.000	9.674	0.326	8438.28	3.26
S50	50.000	49.068	0.932	38463.63	1.86
S200	200.000	193.982	6.018	148915.34	3.01
S500	500.000	497.761	2.239	380451.13	0.45
S1000	1000.000	977.936	22.064	746433.43	2.21
S1500	1500.000	1474.193	25.807	1124673.11	1.72
S2000	2000.000	2031.576	31.576	1549502.07	1.58

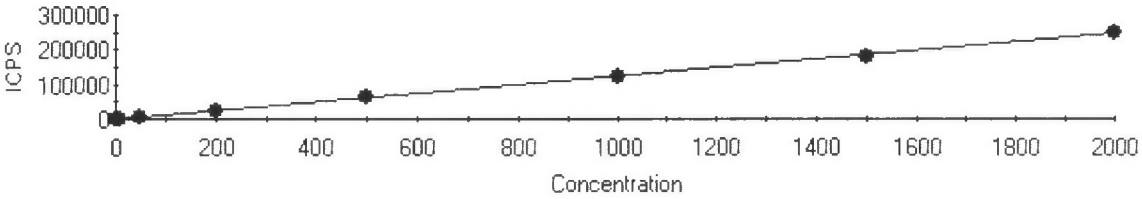
25Mg FQ Block 1



Intercept CPS=139.705390 Intercept Conc=1.305740
Sensitivity=106.993288 Correlation Coeff=0.999798

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	139.71	0.00
S2	2.000	1.861	0.139	338.81	6.96
S5	5.000	4.749	0.251	647.81	5.02
S10	10.000	9.970	0.030	1206.44	0.30
S50	50.000	50.131	0.131	5503.43	0.26
S200	200.000	200.162	0.162	21555.69	0.08
S500	500.000	506.332	6.332	54313.87	1.27
S1000	1000.000	993.638	6.362	106452.29	0.64
S1500	1500.000	1466.307	33.693	157024.67	2.25
S2000	2000.000	2026.849	26.849	216999.00	1.34

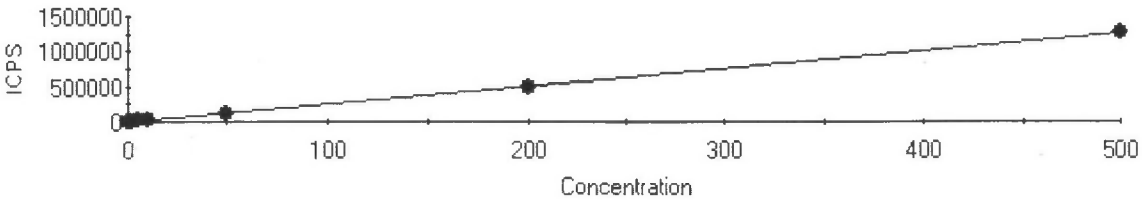
26Mg FQ Block 1



Intercept CPS=166.923221 Intercept Conc=1.352943
Sensitivity=123.377894 Correlation Coeff=0.999787

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	166.92	0.00
S2	2.000	1.507	0.493	352.84	24.65
S5	5.000	4.540	0.460	727.10	9.19
S10	10.000	10.207	0.207	1426.27	2.07
S50	50.000	51.134	1.134	6475.73	2.27
S200	200.000	199.505	0.495	24781.39	0.25
S500	500.000	505.938	5.938	62588.54	1.19
S1000	1000.000	990.173	9.827	122332.34	0.98
S1500	1500.000	1466.712	33.288	181126.75	2.22
S2000	2000.000	2028.417	28.417	250428.73	1.42

27Al FQ Block 1

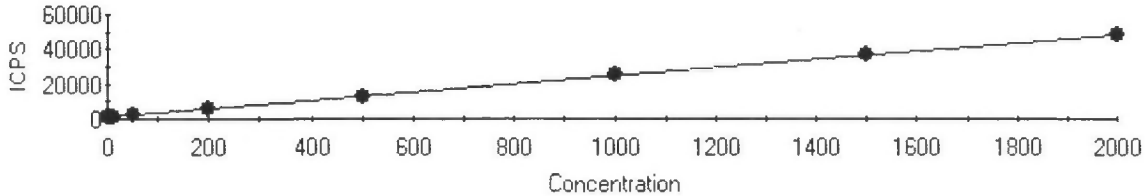


Intercept CPS=1641.008783 Intercept Conc=0.644109
Sensitivity=2547.718705 Correlation Coeff=0.999975

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	1641.01	0.00
S2	2.000	2.534	0.534	8095.97	26.68
S5	5.000	5.910	0.910	16698.88	18.21
S10	10.000	10.900	0.900	29411.14	9.00

S50	50.000	49.707	0.293	128279.78	0.59
S200	200.000	197.304	2.696	504315.28	1.35
S500	500.000	501.079	1.079	1278248.38	0.22

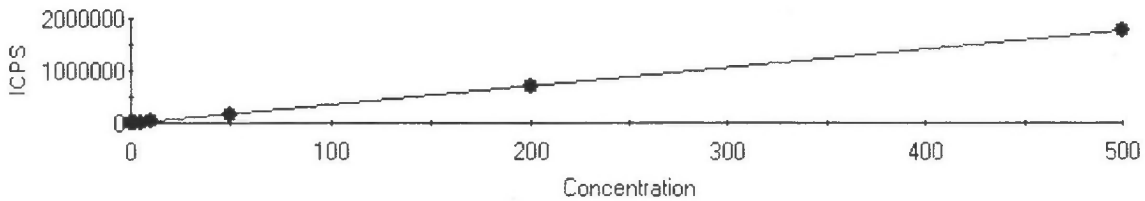
44Ca FQ Block 1



Intercept CPS=585.292411 Intercept Conc=24.203666
Sensitivity=24.181974 Correlation Coeff=0.999982

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	585.29	0.00
S2	2.000	1.278	0.722	616.20	36.10
S5	5.000	7.944	2.944	777.38	58.87
S10	10.000	13.876	3.876	920.83	38.76
S50	50.000	51.149	1.149	1822.19	2.30
S200	200.000	202.576	2.576	5483.98	1.29
S500	500.000	509.192	9.192	12898.56	1.84
S1000	1000.000	1007.166	7.166	24940.55	0.72
S1500	1500.000	1502.295	2.295	36913.75	0.15
S2000	2000.000	1992.085	7.915	48757.85	0.40

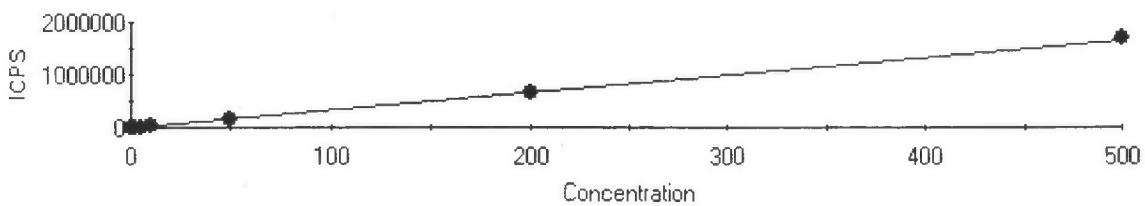
51V FQ Block 1



Intercept CPS=531.507321 Intercept Conc=0.149562
Sensitivity=3553.766112 Correlation Coeff=0.999934

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	531.51	0.00
S2	2.000	1.777	0.223	6847.13	11.14
S5	5.000	4.745	0.255	17395.76	5.09
S10	10.000	9.667	0.333	34884.56	3.33
S50	50.000	46.839	3.161	166985.17	6.32
S200	200.000	195.398	4.602	694929.94	2.30
S500	500.000	502.167	2.167	1785115.85	0.43

52Cr FQ Block 1

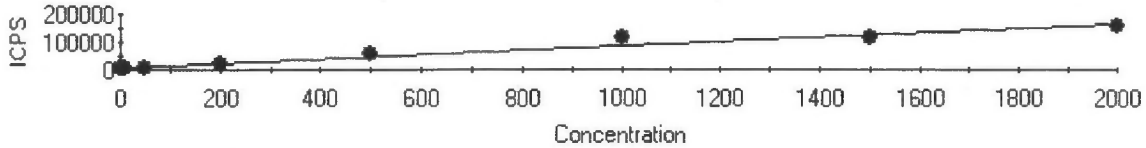


Intercept CPS=1672.178368 Intercept Conc=0.500697
Sensitivity=3339.700360 Correlation Coeff=0.999883

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	1672.18	0.00
S2	2.000	1.793	0.207	7659.55	10.36

S5	5.000	4.666	0.334	17253.83	6.69
S10	10.000	9.513	0.487	33441.76	4.87
S50	50.000	46.504	3.496	156980.13	6.99
S200	200.000	193.621	6.379	648306.78	3.19
S500	500.000	502.915	2.915	1681258.74	0.58

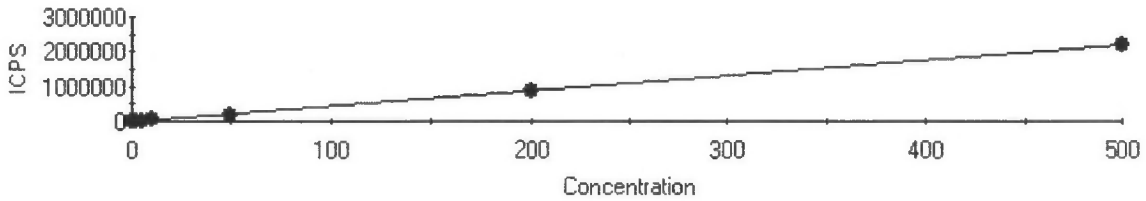
54Fe FQ Block 1



Intercept CPS=3624.579512 Intercept Conc=44.546807
Sensitivity=81.365641 Correlation Coeff=0.978753
Failed : Correlation Check
Results for this analyte will be semi-quant

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	3624.58	0.00
S10	10.000	0.208	9.792	4017.32	97.92
S50	50.000	2.503	47.497	8354.39	94.99
S200	200.000	11.258	188.742	24902.88	94.37
S500	500.000	29.031	470.969	58492.72	94.19
S1000	1000.000	57.968	942.032	113184.74	94.20
S1500	1500.000	59.759	1440.241	116570.43	96.02
S2000	2000.000	80.105	1919.895	155024.28	95.99

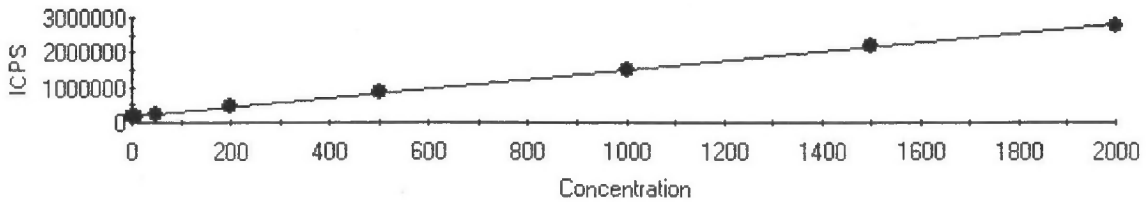
55Mn FQ Block 1



Intercept CPS=275.977212 Intercept Conc=0.063118
Sensitivity=4372.387865 Correlation Coeff=0.999801

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	275.98	0.00
S2	2.000	1.744	0.256	7902.23	12.79
S5	5.000	4.618	0.382	20468.43	7.64
S10	10.000	9.333	0.667	41082.99	6.67
S50	50.000	45.877	4.123	200867.33	8.25
S200	200.000	191.519	8.481	837669.31	4.24
S500	500.000	503.823	3.823	2203185.92	0.76

56Fe FQ Block 1

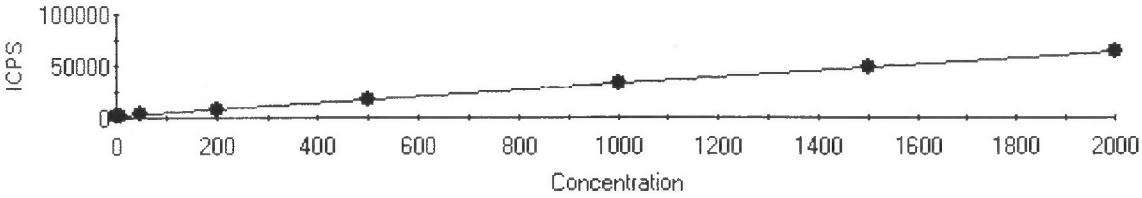


Intercept CPS=187032.499030 Intercept Conc=142.641159
Sensitivity=1311.209891 Correlation Coeff=0.999488

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	187032.50	0.00
S10	10.000	8.703	1.297	198444.02	12.97

S50	50.000	45.508	4.492	246702.92	8.98
S200	200.000	191.899	8.101	438652.59	4.05
S500	500.000	502.044	2.044	845317.76	0.41
S1000	1000.000	1016.627	16.627	1520043.27	1.66
S1500	1500.000	1545.422	45.422	2213405.70	3.03
S2000	2000.000	1958.038	41.962	2754430.93	2.10

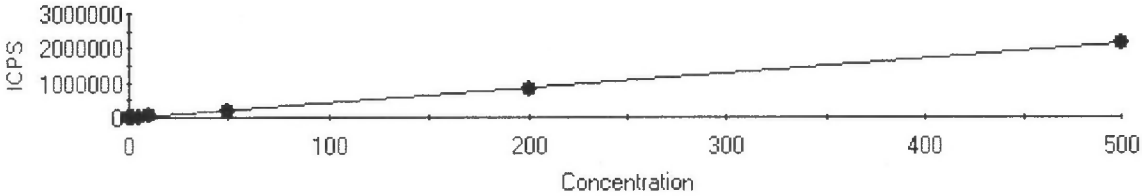
57Fe FQ Block 1



Intercept CPS=1799.911225 Intercept Conc=58.411748
Sensitivity=30.814199 Correlation Coeff=0.999966

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-2.799	2.799	1713.65	0.00
S10	10.000	11.672	1.672	2159.58	16.72
S50	50.000	43.708	6.292	3146.72	12.58
S200	200.000	197.270	2.730	7878.63	1.37
S500	500.000	507.459	7.459	17436.87	1.49
S1000	1000.000	1004.564	4.564	32754.74	0.46
S1500	1500.000	1507.406	7.406	48249.41	0.49
S2000	2000.000	1990.721	9.279	63142.38	0.46

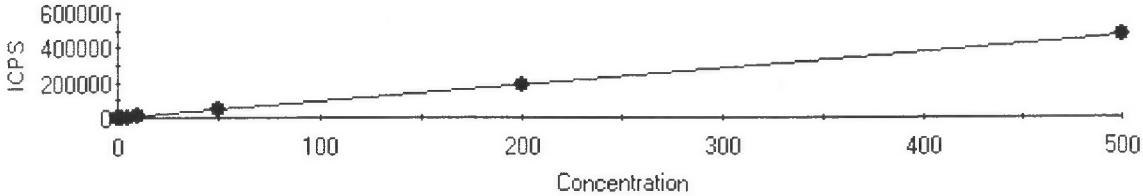
59Co FQ Block 1



Intercept CPS=78.844587 Intercept Conc=0.018569
Sensitivity=4246.109131 Correlation Coeff=0.999944

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	78.84	0.00
S2	2.000	1.776	0.224	7620.68	11.19
S5	5.000	4.689	0.311	19990.88	6.21
S10	10.000	9.586	0.414	40781.70	4.14
S50	50.000	46.848	3.152	199000.22	6.30
S200	200.000	195.832	4.168	831604.68	2.08
S500	500.000	501.995	1.995	2131602.36	0.40

60Ni FQ Block 1

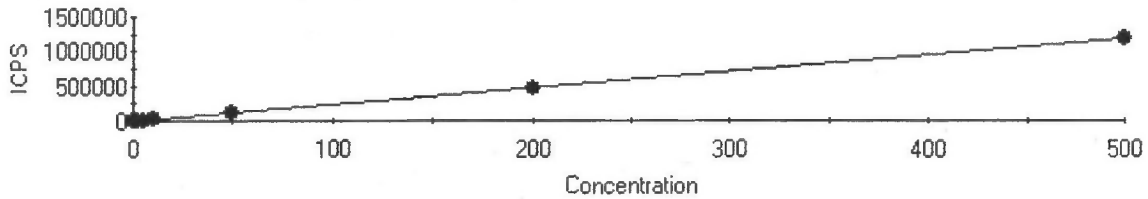


Intercept CPS=63.990457 Intercept Conc=0.067195
Sensitivity=952.316476 Correlation Coeff=0.999973

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	63.99	0.00

S2	2.000	2.349	0.349	2300.73	17.44
S5	5.000	5.474	0.474	5276.93	9.48
S10	10.000	10.900	0.900	10443.77	9.00
S50	50.000	48.654	1.346	46398.26	2.69
S200	200.000	197.354	2.646	188007.53	1.32
S500	500.000	501.169	1.169	477335.31	0.23

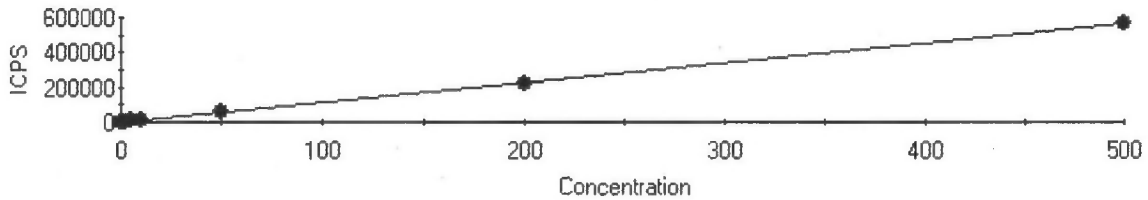
63Cu FQ Block 1



Intercept CPS=163.499650 Intercept Conc=0.069001
Sensitivity=2369.537717 Correlation Coeff=0.999913

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	163.50	0.00
S2	2.000	1.966	0.034	4821.58	1.71
S5	5.000	4.986	0.014	11977.99	0.28
S10	10.000	10.016	0.016	23897.69	0.16
S50	50.000	47.138	2.862	111859.64	5.72
S200	200.000	194.611	5.389	461301.11	2.69
S500	500.000	502.442	2.442	1190718.29	0.49

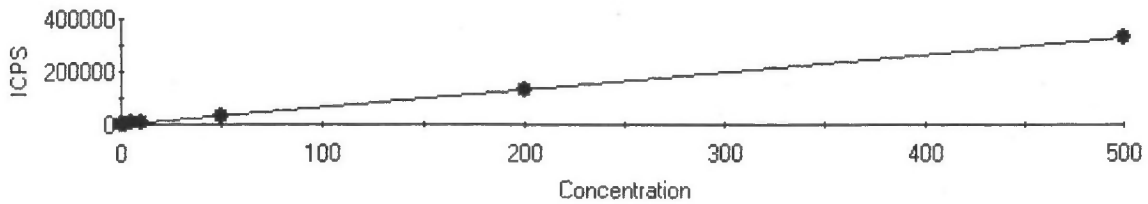
65Cu FQ Block 1



Intercept CPS=79.983308 Intercept Conc=0.070390
Sensitivity=1136.292966 Correlation Coeff=0.999955

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	79.98	0.00
S2	2.000	1.949	0.051	2295.13	2.53
S5	5.000	5.026	0.026	5790.47	0.51
S10	10.000	10.184	0.184	11652.23	1.84
S50	50.000	47.616	2.384	54185.20	4.77
S200	200.000	196.271	3.729	223101.28	1.86
S500	500.000	501.726	1.726	570188.08	0.35

66Zn FQ Block 1

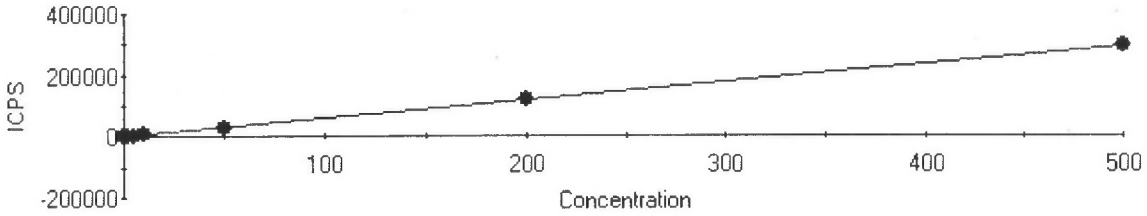


Intercept CPS=254.945696 Intercept Conc=0.384016
Sensitivity=663.893259 Correlation Coeff=0.999982

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	254.95	0.00
S2	2.000	2.435	0.435	1871.53	21.75

S5	5.000	5.535	0.535	3929.86	10.71
S10	10.000	11.050	1.050	7591.14	10.50
S50	50.000	48.897	1.103	32717.04	2.21
S200	200.000	198.024	1.976	131721.54	0.99
S500	500.000	500.873	0.873	332781.00	0.17

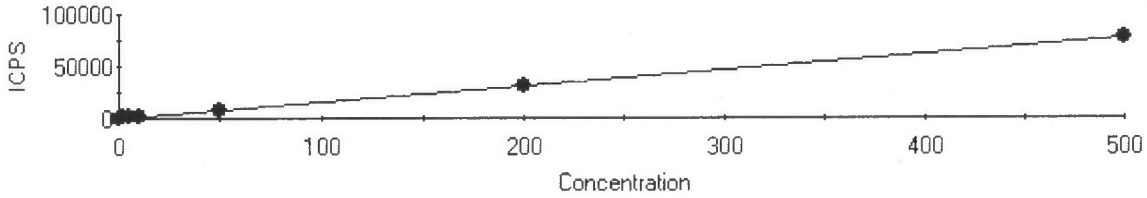
75As FQ Block 1



Intercept CPS=-15.536811 Intercept Conc=-0.026367
Sensitivity=589.242299 Correlation Coeff=0.999982

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	-15.54	0.00
S2	2.000	1.848	0.152	1073.63	7.58
S5	5.000	4.785	0.215	2803.94	4.30
S10	10.000	10.032	0.032	5895.53	0.32
S50	50.000	48.423	1.577	28517.12	3.15
S200	200.000	197.600	2.400	116418.46	1.20
S500	500.000	501.120	1.120	295265.59	0.22

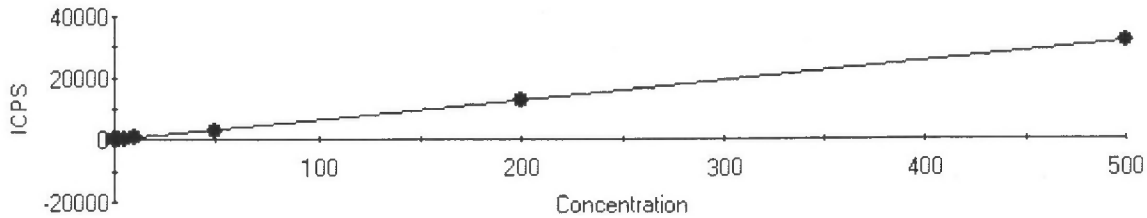
78Se FQ Block 1



Intercept CPS=944.398831 Intercept Conc=6.160415
Sensitivity=153.301178 Correlation Coeff=0.999995

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	944.40	0.00
S2	2.000	1.925	0.075	1239.54	3.74
S5	5.000	4.640	0.360	1655.75	7.20
S10	10.000	10.320	0.320	2526.42	3.20
S50	50.000	48.731	1.269	8414.95	2.54
S200	200.000	199.146	0.854	31473.76	0.43
S500	500.000	500.466	0.466	77666.40	0.09

82Se FQ Block 1

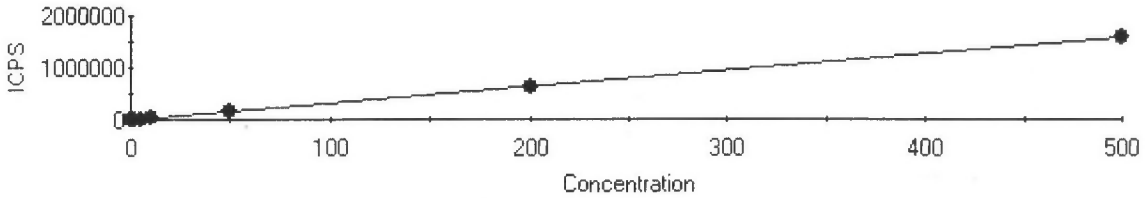


Intercept CPS=4.380684 Intercept Conc=0.069582
Sensitivity=62.957090 Correlation Coeff=0.999998

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	4.38	0.00
S2	2.000	1.895	0.105	123.71	5.23
S5	5.000	4.468	0.532	285.70	10.63

S10	10.000	10.141	0.141	642.85	1.41
S50	50.000	49.497	0.503	3120.59	1.01
S200	200.000	199.318	0.682	12552.89	0.34
S500	500.000	500.326	0.326	31503.44	0.07

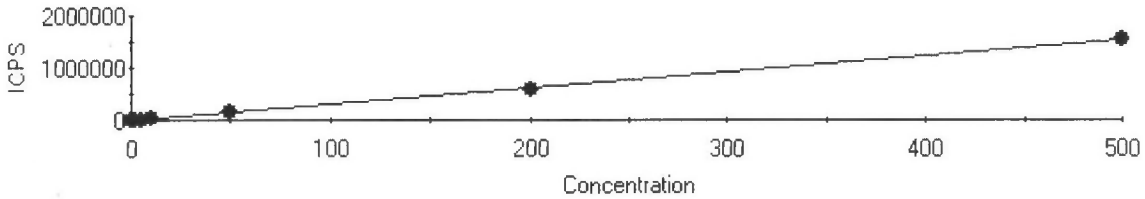
107Ag FQ Block 1



Intercept CPS=98.590473 Intercept Conc=0.031281
Sensitivity=3151.762315 Correlation Coeff=0.999850

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	98.59	0.00
S2	2.000	1.775	0.225	5692.98	11.25
S5	5.000	4.669	0.331	14813.49	6.62
S10	10.000	9.507	0.493	30061.54	4.93
S50	50.000	46.569	3.431	146873.09	6.86
S200	200.000	192.593	7.407	607105.60	3.70
S500	500.000	503.320	3.320	1586443.66	0.66

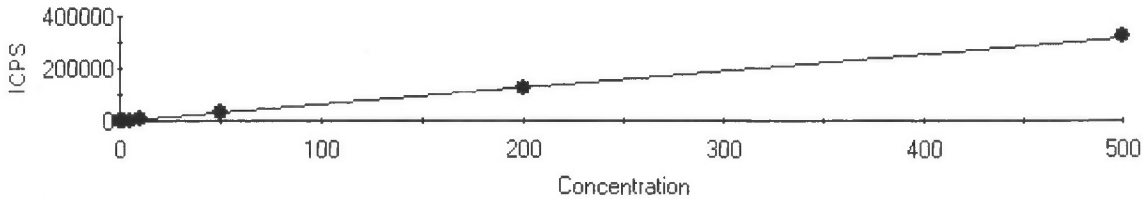
109Ag FQ Block 1



Intercept CPS=80.066226 Intercept Conc=0.026017
Sensitivity=3077.516377 Correlation Coeff=0.999856

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	80.07	0.00
S2	2.000	1.761	0.239	5498.28	11.97
S5	5.000	4.657	0.343	14412.57	6.86
S10	10.000	9.449	0.551	29158.76	5.51
S50	50.000	46.610	3.390	143523.44	6.78
S200	200.000	192.751	7.249	593275.56	3.62
S500	500.000	503.254	3.254	1548852.04	0.65

111Cd FQ Block 1

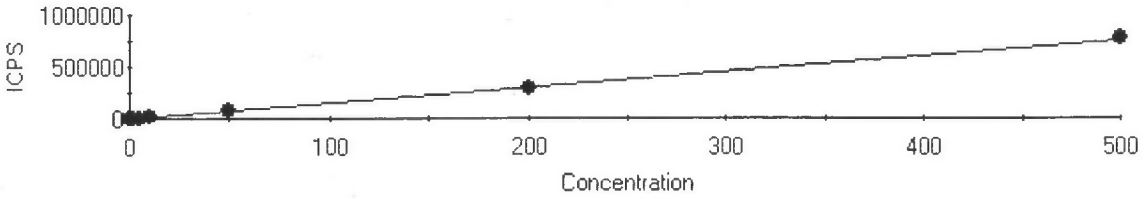


Intercept CPS=6.783371 Intercept Conc=0.010655
Sensitivity=636.659016 Correlation Coeff=0.999971

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	6.78	0.00
S2	2.000	1.801	0.199	1153.16	9.97
S5	5.000	4.723	0.277	3013.87	5.54
S10	10.000	9.703	0.297	6184.05	2.97

S50	50.000	48.181	1.819	30681.63	3.64
S200	200.000	196.832	3.168	125321.87	1.58
S500	500.000	501.458	1.458	319264.85	0.29

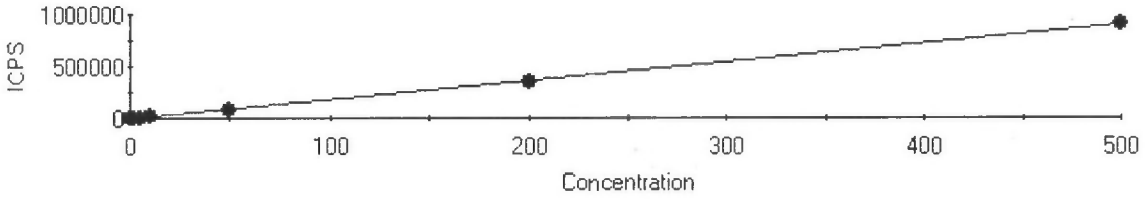
114Cd FQ Block 1



Intercept CPS=23.529281 Intercept Conc=0.015533
Sensitivity=1514.788535 Correlation Coeff=0.999949

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	23.53	0.00
S2	2.000	1.809	0.191	2763.49	9.56
S5	5.000	4.680	0.320	7112.15	6.41
S10	10.000	9.738	0.262	14774.20	2.62
S50	50.000	47.677	2.323	72244.72	4.65
S200	200.000	195.774	4.226	296580.45	2.11
S500	500.000	501.932	1.932	760343.89	0.39

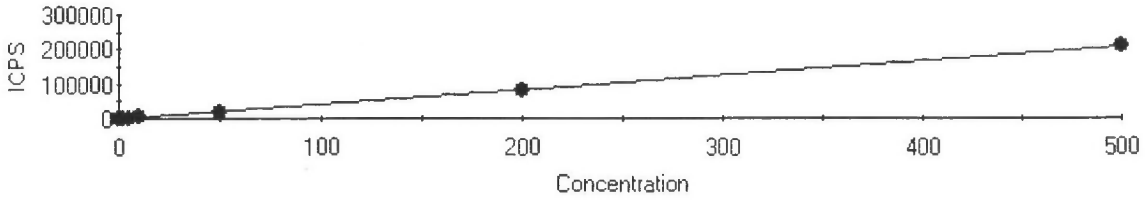
121Sb FQ Block 1



Intercept CPS=475.604051 Intercept Conc=0.265255
Sensitivity=1793.006948 Correlation Coeff=0.999916

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	475.60	0.00
S2	2.000	1.505	0.495	3173.72	24.76
S5	5.000	4.439	0.561	8434.71	11.22
S10	10.000	9.326	0.674	17197.69	6.74
S50	50.000	47.030	2.970	84800.33	5.94
S200	200.000	194.433	5.567	349095.93	2.78
S500	500.000	502.545	2.545	901541.84	0.51

135Ba FQ Block 1

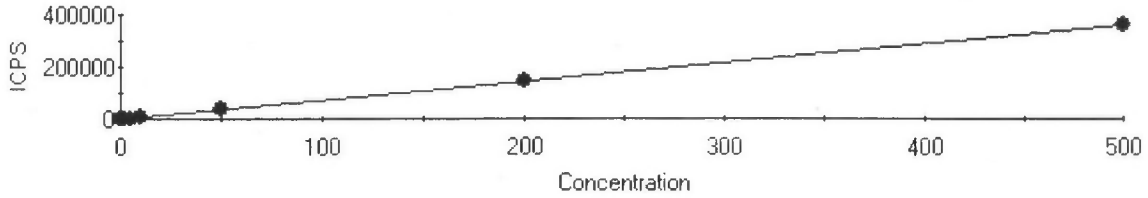


Intercept CPS=20.524020 Intercept Conc=0.049972
Sensitivity=410.710213 Correlation Coeff=0.999973

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	20.52	0.00
S2	2.000	1.824	0.176	769.61	8.81
S5	5.000	4.890	0.110	2028.75	2.21
S10	10.000	10.040	0.040	4144.20	0.40
S50	50.000	48.047	1.953	19754.10	3.91

S200	200.000	197.121	2.879	80980.04	1.44
S500	500.000	501.348	1.348	205929.25	0.27

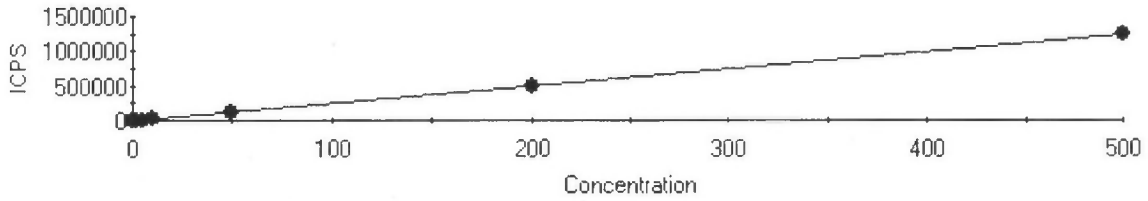
137Ba FQ Block 1



Intercept CPS=29.603609 Intercept Conc=0.041085
Sensitivity=720.550061 Correlation Coeff=0.999983

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	29.60	0.00
S2	2.000	1.885	0.115	1387.63	5.76
S5	5.000	4.847	0.153	3521.88	3.07
S10	10.000	9.907	0.093	7168.05	0.93
S50	50.000	48.497	1.503	34974.16	3.01
S200	200.000	197.677	2.323	142466.00	1.16
S500	500.000	501.083	1.083	361085.15	0.22

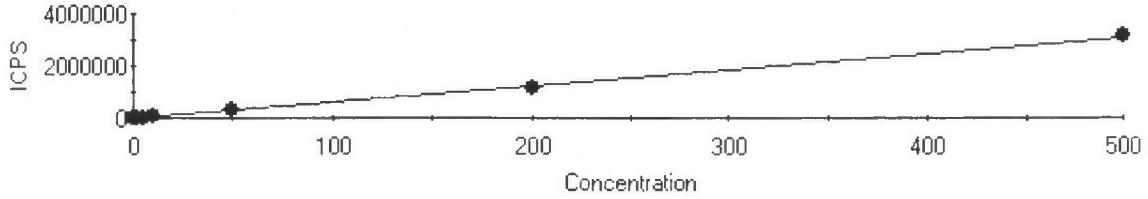
203Tl FQ Block 1



Intercept CPS=165.116300 Intercept Conc=0.066659
Sensitivity=2477.035587 Correlation Coeff=0.999907

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	165.12	0.00
S2	2.000	1.822	0.178	4678.51	8.90
S5	5.000	4.692	0.308	11787.18	6.16
S10	10.000	9.632	0.368	24024.15	3.68
S50	50.000	47.021	2.979	116637.58	5.96
S200	200.000	194.253	5.747	481336.76	2.87
S500	500.000	502.608	2.608	1245142.65	0.52

205Tl FQ Block 1

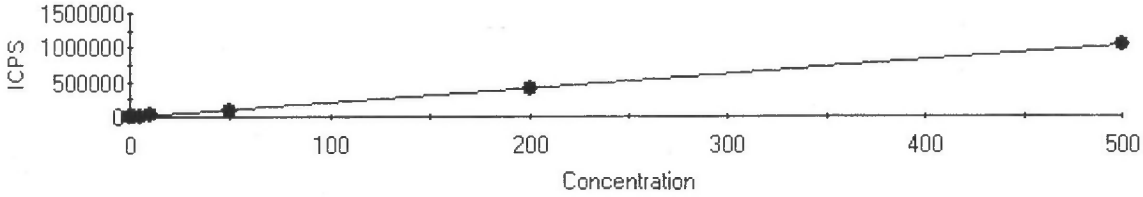


Intercept CPS=384.031585 Intercept Conc=0.062019
Sensitivity=6192.191701 Correlation Coeff=0.999698

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	384.03	0.00
S2	2.000	1.713	0.287	10988.38	14.37
S5	5.000	4.495	0.505	28216.76	10.10
S10	10.000	9.179	0.821	57224.02	8.21
S50	50.000	45.203	4.797	280290.11	9.59
S200	200.000	189.447	10.553	1173476.46	5.28

S500	500.000	504.723	4.723	3125728.64	0.94

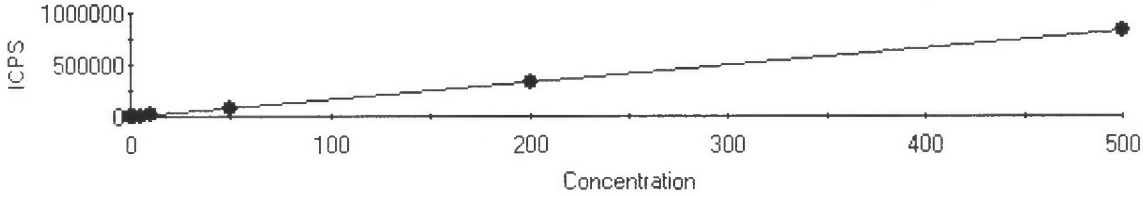
206Pb FQ Block 1



Intercept CPS=77.209053 Intercept Conc=0.036894
Sensitivity=2092.731195 Correlation Coeff=0.999913

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	77.21	0.00
S2	2.000	1.848	0.152	3945.09	7.59
S5	5.000	4.801	0.199	10124.41	3.98
S10	10.000	9.663	0.337	20298.60	3.37
S50	50.000	47.325	2.675	99115.27	5.35
S200	200.000	194.400	5.600	406905.06	2.80
S500	500.000	502.517	2.517	1051709.57	0.50

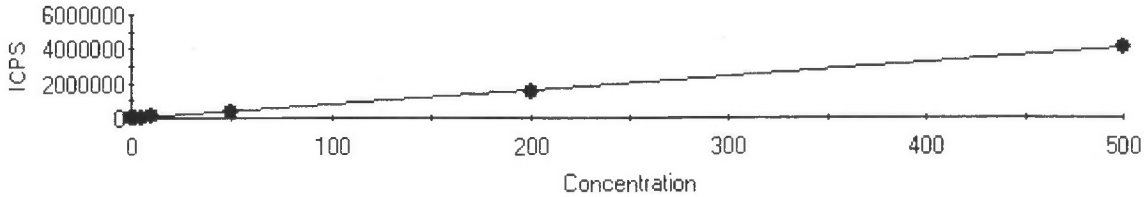
207Pb FQ Block 1



Intercept CPS=74.027765 Intercept Conc=0.044749
Sensitivity=1654.303972 Correlation Coeff=0.999933

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	74.03	0.00
S2	2.000	1.835	0.165	3109.12	8.27
S5	5.000	4.774	0.226	7972.26	4.51
S10	10.000	9.641	0.359	16023.10	3.59
S50	50.000	47.518	2.482	78683.37	4.96
S200	200.000	195.129	4.871	322875.90	2.44
S500	500.000	502.207	2.207	830876.87	0.44

208Pb FQ Block 1



Intercept CPS=337.650501 Intercept Conc=0.041950
Sensitivity=8048.956993 Correlation Coeff=0.999868

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	337.65	0.00
S2	2.000	1.820	0.180	14990.21	8.98
S5	5.000	4.713	0.287	38275.37	5.73
S10	10.000	9.584	0.416	77479.69	4.16
S50	50.000	46.814	3.186	377144.51	6.37
S200	200.000	193.083	6.917	1554456.46	3.46
S500	500.000	503.097	3.097	4049745.09	0.62

Dilution Corrected Concentrations

SO 07/07/2008 16:11:02

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	16:11:39	99.21%	-0.0006	-0.4044	-0.7835	-0.3232	-0.0185	-1.2462	97.62%
2	16:12:16	100.46%	0.0018	-0.3087	-0.0445	0.1057	-0.0298	0.4776	99.61%
3	16:12:56	100.49%	-0.0038	0.6090	0.6492	-0.1016	0.0353	3.2859	100.30%
4	16:13:33	98.84%	0.0052	0.0711	0.1942	0.3536	0.0128	-3.0556	100.62%
5	16:14:10	100.99%	-0.0026	0.0330	-0.0154	-0.0345	0.0001	0.5382	101.86%
x		100.00%	0.0000	0.0000	-0.0000	-0.0000	-0.0000	-0.0000	100.00%
%RSD		0.92	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.56

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	16:11:39	0.0027	-0.0214	0.0205	ID -0.0271	-0.0104	2.1880	-1.2102	-0.0053
2	16:12:16	0.0065	-0.0103	0.0072	ID 0.0033	-0.0109	1.3863	-2.2778	0.0015
3	16:12:56	0.0086	0.0083	-0.0155	ID -0.0336	0.0018	-0.5407	-3.0333	0.0043
4	16:13:33	0.0016	0.0100	0.0027	ID 0.0913	0.0033	-1.4447	-2.9079	-0.0051
5	16:14:10	-0.0194	0.0133	-0.0148	ID -0.0339	0.0161	-1.5890	-4.5681	0.0046
x		0.0000	-0.0000	-0.0000	ID -0.0000	0.0000	-0.0000	-2.7994	0.0000
%RSD		0.0000	0.0000	0.0000	ID 0.0000	0.0000	0.0000	43.7220	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	16:11:39	0.0082	-0.0041	0.0041	-0.0749	-0.0341	-0.1184	-0.1521	0.2724
2	16:12:16	-0.0119	0.0114	-0.0042	-0.0970	0.0138	-0.1351	0.0091	0.4063
3	16:12:56	-0.0123	-0.0017	-0.0025	0.0398	-0.0014	0.2037	0.0745	-0.1343
4	16:13:33	0.0006	-0.0041	-0.0158	0.0344	0.0098	-0.0018	0.0083	-0.2636
5	16:14:10	0.0154	-0.0015	0.0184	0.0976	0.0119	0.0516	0.0601	-0.2807
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	16:11:39	97.26%	-0.0048	-0.6784	-0.0047	-0.0029	-0.0073	97.22%	0.0000
2	16:12:16	99.85%	-0.0033	-0.5520	-0.0055	-0.0031	-0.0026	99.03%	0.0000
3	16:12:56	100.51%	0.0006	0.4172	0.0038	0.0027	0.0094	100.69%	0.0000
4	16:13:33	100.99%	0.0045	0.0487	0.0026	0.0027	-0.0005	100.68%	0.0000
5	16:14:10	101.40%	0.0029	0.7644	0.0038	0.0006	0.0010	102.38%	0.0000
x		100.00%	0.0000	-0.0000	0.0000	0.0000	-0.0000	100.00%	0.0000
%RSD		1.64	0.0000	0.0000	0.0000	0.0000	0.0000	1.95	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	16:11:39	-0.0616	0.0189	0.0053	T 97.21%	-0.0051	-0.0021	0.0076	-0.0010
2	16:12:16	-0.0102	-0.0315	0.0116	T 98.50%	-0.0008	-0.0010	-0.0043	-0.0020
3	16:12:56	0.0144	0.0165	0.0174	T 100.85%	-0.0016	-0.0025	0.0085	0.0066
4	16:13:33	0.0449	0.0104	-0.0170	T 100.88%	0.0089	0.0042	-0.0028	0.0028
5	16:14:10	0.0125	-0.0143	-0.0174	T 102.56%	-0.0014	0.0014	-0.0090	-0.0065
x		0.0000	-0.0000	0.0000	T 100.00%	0.0000	-0.0000	-0.0000	0.0000
%RSD		0.0000	0.0000	0.0000	T 2.13	0.0000	0.0000	0.0000	0.0000

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	16:11:39	-0.0002	96.66%	-0.1216
2	16:12:16	-0.0014	98.94%	-0.1216
3	16:12:56	0.0068	99.97%	-0.1216
4	16:13:33	-0.0028	101.63%	0.4865
5	16:14:10	-0.0024	102.80%	-0.1216
x		-0.0000	100.00%	0.0000
%RSD		0.0000	2.39	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	16:17:37	98.56%	1.8872	1.1922	2.2793	1.6744	2.7187	1.6836	96.95%
2	16:18:14	99.29%	1.8515	1.3072	1.6067	1.7835	2.5249	2.4301	99.69%
3	16:18:51	100.15%	1.9054	1.1625	1.7633	1.4290	2.4641	1.9170	100.87%
4	16:19:28	101.63%	1.9267	1.1911	2.2155	1.5809	2.4446	0.3127	102.78%
5	16:20:05	101.63%	1.7654	1.3209	1.4396	1.0668	2.5157	0.0465	102.67%
x		100.25%	1.8672	1.2348	1.8609	1.5069	2.5336	1.2780	100.59%
%RSD		1.38	3.3881	5.9517	19.9710	18.4660	4.2970	81.5880	2.40

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	16:17:37	0.0482	1.7789	1.8342	ID 0.1611	1.7697	1.5420	3.7998	1.8097
2	16:18:14	0.0570	1.7694	1.8145	ID -0.0011	1.7300	0.7118	-0.6673	1.7125
3	16:18:51	0.0149	1.7634	1.7885	ID 0.1026	1.7511	0.6163	-4.0197	1.7723
4	16:19:28	0.0092	1.7869	1.7134	ID 0.1041	1.7392	-0.7420	-3.4715	1.8016
5	16:20:05	0.0106	1.7872	1.8134	ID -0.0187	1.7310	0.0801	-4.4704	1.7848
x		0.0280	1.7772	1.7928	ID 0.0696	1.7442	0.4417	-1.7658	1.7762
%RSD		81.5110	0.5968	2.6349	ID 110.0000	0.9503	190.9900	195.1300	2.1640

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	16:17:37	2.4795	1.9531	1.9268	2.4813	1.9050	1.8746	1.9629	0.0133
2	16:18:14	2.5332	1.9118	1.9375	2.2920	1.8360	2.0115	1.9147	0.3674
3	16:18:51	2.1672	1.9740	1.9882	2.3792	1.9232	2.2182	2.1110	-0.0504
4	16:19:28	2.1774	1.9581	1.9518	2.4287	1.8714	1.6670	1.7953	0.6233
5	16:20:05	2.3864	2.0321	1.9429	2.5939	1.7064	1.8547	1.6929	-0.5710
x		2.3487	1.9658	1.9495	2.4350	1.8484	1.9252	1.8953	0.0765
%RSD		7.2153	2.2164	1.2046	4.6360	4.6578	10.6300	8.4449	592.8900

Run	Time	89Y	103Rh	108Mo O	109Ag	[illegible]	111Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	16:17:37	96.23%	1.7855	-0.7463	1.7374	1.7441	1.7797	95.77%	0.0000
2	16:18:14	99.29%	1.7830	-0.2169	1.7334	1.9074	1.7790	99.84%	0.0000
3	16:18:51	101.42%	1.7698	0.1906	1.7980	1.7606	1.8275	102.14%	0.0000
4	16:19:28	102.88%	1.7445	0.0063	1.8210	1.8187	1.8459	103.89%	0.0000
5	16:20:05	103.78%	1.7922	0.3358	1.7131	1.7722	1.8119	104.45%	0.0000
x		100.72%	1.7750	-0.0861	1.7606	1.8006	1.8088	101.22%	0.0000
%RSD		3.01	1.0644	491.4400	2.6317	3.6554	1.6298	3.50	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	16:17:37	1.4740	1.8461	2.0083	T 95.56%	1.8213	1.7141	1.7694	1.9086
2	16:18:14	1.5020	1.8659	1.8406	T 99.68%	1.8112	1.7178	1.8505	1.7619
3	16:18:51	1.4874	1.8855	1.7546	T 102.30%	1.8376	1.7386	1.9205	1.8879
4	16:19:28	1.5541	1.7226	1.8993	T 104.26%	1.8114	1.6831	1.8431	1.8382
5	16:20:05	1.5064	1.7994	1.9208	T 105.68%	1.8290	1.7090	1.8578	1.7767
x		1.5048	1.8239	1.8847	T 101.50%	1.8221	1.7125	1.8482	1.8347
%RSD		2.0200	3.5667	5.0099	T 3.95	0.6264	1.1635	2.9088	3.5506

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	16:17:37	1.8257	94.68%	-0.1216
2	16:18:14	1.8119	100.25%	-0.1216
3	16:18:51	1.8547	103.68%	-0.1216
4	16:19:28	1.8123	105.11%	-0.1216
5	16:20:05	1.7975	106.84%	-0.1216
x		1.8204	102.11%	-0.1216
%RSD		1.1845	4.71	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	16:23:34	100.58%	4.9948	4.3934	5.1486	3.8394	5.9055	9.5706	97.79%
2	16:24:11	100.95%	5.0084	4.2362	4.5210	4.1063	5.7817	6.3876	99.53%
3	16:24:48	101.67%	4.8132	4.7142	4.9475	4.4338	5.9553	9.0019	100.09%
4	16:25:25	101.42%	4.8684	4.1177	3.6454	4.9887	6.0805	6.4903	100.55%
5	16:26:01	100.99%	4.8579	4.2766	5.4821	5.3336	5.8287	8.2676	101.44%
x		101.12%	4.9085	4.3476	4.7489	4.5403	5.9103	7.9436	99.88%
%RSD		0.42	1.7841	5.2299	14.9140	13.5830	1.9695	18.2490	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	16:23:34	0.0792	4.7531	4.6240	ID 0.2496	4.5934	5.6918	4.9576	4.7548
2	16:24:11	0.0682	4.7224	4.6615	ID 0.1892	4.5960	5.8693	2.7416	4.6494
3	16:24:48	0.0401	4.7680	4.6764	ID 0.2000	4.6724	5.2017	3.2991	4.6763
4	16:25:25	0.0436	4.6577	4.6611	ID 0.3501	4.6072	4.7151	1.2308	4.6574
5	16:26:01	0.0251	4.8261	4.7049	ID 0.3572	4.6219	3.4884	3.1484	4.7095
x		0.0512	4.7455	4.6656	ID 0.2692	4.6182	4.9932	3.0755	4.6895
%RSD		42.9060	1.3035	0.6281	ID 29.8610	0.7006	19.1060	43.3560	0.9222

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	16:23:34	5.1633	4.9605	4.9574	5.1897	4.7069	5.0679	4.0988	1.0636
2	16:24:11	5.1256	4.9518	4.9657	5.2828	4.8577	4.6178	4.7023	1.0193
3	16:24:48	5.6371	5.0043	5.1966	5.8522	4.9769	4.4925	4.5060	0.6829
4	16:25:25	5.6727	5.0410	5.0110	5.6496	4.6617	4.3920	4.5467	0.5903
5	16:26:01	5.7711	4.9722	4.9970	5.7026	4.7214	4.6310	4.4881	-0.1734
x		5.4740	4.9860	5.0255	5.5354	4.7849	4.6402	4.4684	0.6365
%RSD		5.5729	0.7348	1.9524	5.1468	2.7146	5.5668	4.9953	78.1230

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	16:23:34	96.65%	4.6459	-1.1072	4.6977	4.7766	4.5988	95.82%	0.0000
2	16:24:11	98.91%	4.7115	-0.3469	4.6116	4.6430	4.7098	98.49%	0.0000
3	16:24:48	100.07%	4.6408	-0.5682	4.7083	4.7952	4.7407	99.61%	0.0000
4	16:25:25	100.98%	4.6555	0.3267	4.6370	4.7345	4.7115	100.77%	0.0000
5	16:26:01	101.67%	4.6902	-0.3624	4.6313	4.6668	4.6371	101.47%	0.0000
x		99.66%	4.6688	-0.4116	4.6572	4.7232	4.6796	99.23%	0.0000
%RSD		1.98	0.6572	125.0800	0.9241	1.4109	1.2641	2.24	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	16:23:34	4.4149	4.9853	4.9098	T 95.68%	4.7328	4.4747	4.8610	4.8011
2	16:24:11	4.4106	4.7664	4.6149	T 98.43%	4.6660	4.4711	4.7560	4.8349
3	16:24:48	4.4848	4.8690	4.8389	T 99.65%	4.6943	4.5352	4.9715	4.7289
4	16:25:25	4.3560	4.9540	4.9064	T 100.96%	4.7192	4.4764	4.7967	4.7617
5	16:26:01	4.5286	4.8736	4.9634	T 101.29%	4.6473	4.5166	4.6198	4.7452
x		4.4390	4.8896	4.8467	T 99.20%	4.6919	4.4948	4.8010	4.7744
%RSD		1.5276	1.7456	2.8250	T 2.29	0.7601	0.6502	2.7060	0.9044

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	16:23:34	4.7375	95.43%	-0.1216
2	16:24:11	4.7075	98.28%	-0.1216
3	16:24:48	4.7382	99.77%	-0.1216
4	16:25:25	4.7391	101.50%	-0.1216
5	16:26:01	4.6445	102.08%	-0.1216
x		4.7134	99.41%	-0.1216
%RSD		0.8644	2.70	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	16:29:33	98.17%	10.0050	9.5432	8.6970	10.3230	10.8790	12.4580	94.30%
2	16:30:10	98.07%	10.0600	9.4736	9.1185	10.3730	10.7670	12.8420	95.58%
3	16:30:46	98.42%	10.2020	9.6143	11.1380	9.8161	11.1950	12.8930	96.86%
4	16:31:23	99.94%	9.8589	9.9259	10.5670	10.5820	10.8490	16.1800	98.44%
5	16:32:00	101.52%	10.0490	9.8137	10.3310	9.9414	10.8100	15.0060	100.89%
x		99.22%	10.0350	9.6741	9.9701	10.2070	10.9000	13.8760	97.21%
%RSD		1.50	1.2282	1.9599	10.2720	3.1175	1.5589	11.7490	2.64

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	16:29:33	0.0837	9.9660	9.6086	ID 0.1372	9.3762	11.0340	20.3260	9.7105
2	16:30:10	0.0600	9.6270	9.6117	ID 0.2199	9.4754	9.1879	12.2470	9.6438
3	16:30:46	0.0651	9.7511	9.5967	ID 0.2217	9.3013	8.3399	7.8882	9.5186
4	16:31:23	0.0228	9.6338	9.3923	ID 0.1710	9.1811	8.2661	9.5920	9.6261
5	16:32:00	0.0365	9.3554	9.3541	ID 0.2892	9.3304	6.6874	8.3070	9.4306
x		0.0536	9.6667	9.5127	ID 0.2078	9.3329	8.7030	11.6720	9.5859
%RSD		44.9640	2.2915	1.3472	ID 27.7580	1.1521	18.2160	43.9350	1.1562

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	16:29:33	10.5480	9.9211	10.1840	10.7320	9.8302	10.7670	10.2130	-0.5581
2	16:30:10	10.5360	9.8896	10.4730	10.7650	10.2870	10.3640	10.7970	-0.2905
3	16:30:46	11.3360	10.2050	10.0750	11.4740	10.0100	10.3470	9.9007	-0.1315
4	16:31:23	11.3240	10.1390	10.1570	11.2150	10.2150	10.0230	10.1100	-0.3458
5	16:32:00	10.7530	9.9272	10.0320	11.0640	9.8162	10.0970	9.6861	0.0875
x		10.9000	10.0160	10.1840	11.0500	10.0320	10.3200	10.1410	-0.2477
%RSD		3.6941	1.4439	1.6943	2.8234	2.1511	2.8268	4.1271	97.5890

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	16:29:33	91.32%	9.5492	-2.0944	9.5544	9.6080	9.8954	89.70%	0.0000
2	16:30:10	94.62%	9.4575	-0.8107	9.4525	9.8232	9.6961	93.70%	0.0000
3	16:30:46	97.08%	9.5296	-0.2227	9.4789	9.8088	9.9043	96.61%	0.0000
4	16:31:23	98.11%	9.5802	-0.2763	9.4424	9.5193	9.6987	98.33%	0.0000
5	16:32:00	100.63%	9.4170	1.3342	9.3156	9.7539	9.4944	100.48%	0.0000
x		96.35%	9.5067	-0.4140	9.4488	9.7026	9.7378	95.76%	0.0000
%RSD		3.68	0.7095	298.1200	0.9144	1.3732	1.7418	4.39	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	16:29:33	9.2313	9.4955	10.0230	τ 88.68%	9.5938	9.2675	9.4743	9.6858
2	16:30:10	9.1420	9.4319	9.9075	τ 92.96%	9.5802	9.1214	9.6015	9.5750
3	16:30:46	9.5323	10.7930	9.9066	τ 96.56%	9.6924	9.1042	9.7982	9.4256
4	16:31:23	9.2530	10.4580	9.8465	τ 98.32%	9.6252	9.1869	9.7827	9.7284
5	16:32:00	9.4727	10.0240	9.8510	98.70%	9.6688	9.2166	9.6567	9.7899
x		9.3263	10.0400	9.9069	τ 95.05%	9.6321	9.1793	9.6627	9.6410
%RSD		1.7962	5.9081	0.7193	τ 4.44	0.4974	0.7352	1.3888	1.4902

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	16:29:33	9.5220	88.00%	-0.1216
2	16:30:10	9.5315	92.99%	-0.1216
3	16:30:46	9.6256	96.88%	-0.1216
4	16:31:23	9.6457	99.07%	-0.1216
5	16:32:00	9.5956	101.90%	-0.1216
x		9.5841	95.77%	-0.1216
%RSD		0.5780	5.67	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	16:35:28	100.62%	49.1820	47.8560	48.2840	49.8900	50.2630	49.8410	98.06%
2	16:36:05	102.21%	49.3260	47.9930	49.5010	52.5460	49.3750	51.4790	99.63%
3	16:36:41	101.08%	48.8730	50.7710	51.6710	51.9490	49.5330	54.9090	99.91%
4	16:37:18	103.60%	48.9800	48.8590	49.5280	51.6570	49.4200	47.0710	101.45%
5	16:37:55	102.35%	48.9560	49.8600	51.6730	49.6290	49.9420	52.4460	101.11%
x		101.97%	49.0630	49.0680	50.1310	51.1340	49.7070	51.1490	100.03%
%RSD		1.15	0.3788	2.5365	2.9792	2.5393	0.7713	5.7223	1.34

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	16:35:28	0.0815	46.8520	46.4590	ID 2.3550	46.0150	45.6390	43.4290	47.0840
2	16:36:05	0.0475	46.9340	46.3900	ID 2.5045	45.7800	45.8880	44.8050	46.7350
3	16:36:41	0.0498	47.4310	46.6820	ID 2.5744	45.9660	46.1160	43.3120	47.0560
4	16:37:18	0.0412	46.6870	46.6710	ID 2.5392	45.9800	44.7640	42.5440	46.9390
5	16:37:55	0.0133	46.2890	46.3170	ID 2.5395	45.6440	45.1320	44.4470	46.4260
x		0.0466	46.8390	46.5040	ID 2.5025	45.8770	45.5080	43.7080	46.8480
%RSD		52.1650	0.8837	0.3561	ID 3.4398	0.3462	1.2166	2.0905	0.5820

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	16:35:28	48.7420	47.5780	47.5160	48.8910	48.6630	49.0940	50.2140	-0.3206
2	16:36:05	49.4230	46.8740	47.5690	48.6250	48.6750	48.9780	49.5970	-0.7386
3	16:36:41	48.9600	47.4760	47.4780	49.5530	48.2110	48.5700	48.7200	-0.7881
4	16:37:18	48.4200	46.5430	47.5380	48.1860	48.0510	48.4250	49.9240	-0.5312
5	16:37:55	47.7250	47.2210	47.9770	49.2270	48.5130	48.5890	49.0320	-0.5297
x		48.6540	47.1380	47.6160	48.8970	48.4230	48.7310	49.4970	-0.5816
%RSD		1.3041	0.9116	0.4295	1.0818	0.5775	0.5911	1.2483	32.2370

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	16:35:28	97.29%	46.7860	-1.2035	46.5030	47.7450	47.7060	97.47%	0.0000
2	16:36:05	99.61%	46.4960	-0.3278	46.6310	48.5140	47.5440	100.28%	0.0000
3	16:36:41	101.63%	46.3550	0.5407	46.5810	47.8460	47.7100	102.51%	0.0000
4	16:37:18	102.40%	46.3680	0.2933	46.4910	48.2790	47.9990	103.59%	0.0000
5	16:37:55	102.39%	46.8410	0.0075	46.8440	48.5210	47.4280	103.87%	0.0000
x		100.66%	46.5690	-0.1380	46.6100	48.1810	47.6770	101.54%	0.0000
%RSD		2.19	0.4952	491.5400	0.3067	0.7617	0.4516	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	16:35:28	46.7650	49.1210	48.7950	94.62%	47.2790	45.4260	47.6050	47.6850
2	16:36:05	46.6590	47.8610	48.6170	T 100.46%	47.1340	45.4110	47.4240	47.7070
3	16:36:41	47.0130	47.6420	48.5780	T 104.02%	46.8920	44.9630	47.3540	47.3280
4	16:37:18	46.9110	47.8260	48.1880	T 104.58%	47.0950	44.9990	47.1210	47.4260
5	16:37:55	47.8010	47.7860	48.3080	T 105.06%	46.7040	45.2170	47.1200	47.4440
x		47.0300	48.0470	48.4970	T 101.75%	47.0210	45.2030	47.3250	47.5180
%RSD		0.9603	1.2616	0.5061	T 4.30	0.4783	0.4854	0.4392	0.3546

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	16:35:28	46.9920	97.70%	-0.1216
2	16:36:05	46.9640	101.95%	-0.1216
3	16:36:41	46.6330	105.71%	-0.1216
4	16:37:18	46.7170	107.14%	0.4553
5	16:37:55	46.7650	107.86%	-0.1216
x		46.8140	104.07%	-0.0062
%RSD		0.3354	4.07	4128.7000

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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	16:41:23	97.31%	197.1300	188.0000	195.5100	193.2800	197.0600	192.3200	91.16%
2	16:42:00	96.94%	198.0700	192.3800	198.6700	198.1000	196.8500	208.2200	92.66%
3	16:42:36	97.17%	199.3900	196.4100	195.8900	202.1400	198.3300	203.8000	93.01%
4	16:43:13	97.86%	197.4600	195.4600	204.3800	198.6300	197.6000	201.0900	93.66%
5	16:43:50	97.32%	199.2800	197.6500	206.3600	205.3700	196.6800	207.4500	93.60%
x		97.32%	198.2700	193.9800	200.1600	199.5000	197.3000	202.5800	92.82%
%RSD		0.35	0.5202	1.9939	2.4773	2.2816	0.3390	3.1645	1.10

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	16:41:23	0.0906	195.0900	193.9200	ID 10.9280	190.6400	190.8500	196.3500	194.9000
2	16:42:00	0.0702	196.1700	193.2700	ID 11.2640	191.0000	191.2100	193.4500	196.6900
3	16:42:36	0.0564	196.8700	194.3700	ID 11.2670	192.1200	192.7600	199.4500	196.3900
4	16:43:13	0.0511	194.5200	193.5600	ID 11.4980	192.0800	191.6100	199.2900	195.3400
5	16:43:50	0.0323	194.3400	192.9900	ID 11.3350	191.7500	193.0700	197.8100	195.8400
x		0.0601	195.4000	193.6200	ID 11.2580	191.5200	191.9000	197.2700	195.8300
%RSD		36.2670	0.5583	0.2791	ID 1.8440	0.3479	0.5050	1.2554	0.3747

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	16:41:23	197.4800	194.6300	195.4600	198.2300	198.5000	200.0600	200.6400	-0.5726
2	16:42:00	197.4100	195.4100	197.8600	197.9100	197.4900	200.7100	200.1800	-0.2143
3	16:42:36	197.8300	194.9600	196.8600	198.5900	198.2600	199.4300	202.3700	-0.2964
4	16:43:13	196.6900	194.7900	196.7800	197.3600	196.6600	198.2200	194.7900	-0.4529
5	16:43:50	197.3600	193.2700	194.3900	198.0300	197.0900	197.3100	198.6100	-0.2705
x		197.3500	194.6100	196.2700	198.0200	197.6000	199.1500	199.3200	-0.3613
%RSD		0.2098	0.4129	0.6900	0.2280	0.3924	0.6908	1.4381	40.8380

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	16:41:23	90.10%	192.3500	-1.7310	192.5700	196.2200	195.2000	90.21%	0.0000
2	16:42:00	92.58%	192.8200	0.3197	193.2800	196.0100	195.5000	93.13%	0.0000
3	16:42:36	93.18%	192.3900	0.5470	191.9700	197.1500	196.8300	94.27%	0.0000
4	16:43:13	94.23%	192.7600	0.7522	193.2600	196.9000	195.3000	95.07%	0.0000
5	16:43:50	94.26%	192.6400	1.5303	192.6800	197.8900	196.0400	95.05%	0.0000
x		92.87%	192.5900	0.2836	192.7500	196.8300	195.7700	93.55%	0.0000
%RSD		1.84	0.1101	428.3200	0.2833	0.3825	0.3438	2.16	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	16:41:23	192.1800	198.6200	200.7600	87.75%	194.3500	189.3900	194.4200	195.2700
2	16:42:00	192.5800	194.7700	195.7500	T 93.31%	193.8700	189.4600	194.6600	194.3600
3	16:42:36	195.1800	198.0100	197.3700	93.39%	194.5800	189.8300	193.5200	194.9400
4	16:43:13	195.9900	198.2800	198.0500	93.82%	194.7400	189.8900	195.3100	195.6200
5	16:43:50	196.2400	195.9300	196.4500	T 96.77%	193.7200	188.6700	194.0900	195.4600
x		194.4300	197.1200	197.6800	T 93.01%	194.2500	189.4500	194.4000	195.1300
%RSD		0.9869	0.8534	0.9774	T 3.51	0.2279	0.2570	0.3421	0.2567

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	16:41:23	192.8000	91.06%	-0.1216
2	16:42:00	193.1100	95.13%	-0.1216
3	16:42:36	192.5400	97.69%	-0.1216
4	16:43:13	193.8300	98.54%	-0.1216
5	16:43:50	193.1500	98.97%	-0.1216
x		193.0800	96.28%	-0.1216
%RSD		0.2518	3.40	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	16:47:18	94.57%	500.5800	485.5900	486.0500	485.2100	498.5200	495.4600	87.87%
2	16:47:55	93.73%	504.6900	496.1200	503.4200	505.2800	504.7500	512.7600	89.99%
3	16:48:32	95.83%	497.3600	499.1400	519.1500	508.0300	503.9800	517.0700	90.37%
4	16:49:08	95.50%	501.1200	501.8900	517.5000	512.6900	501.6600	501.6400	91.58%
5	16:49:45	95.41%	500.1800	506.0600	505.5500	518.4800	496.4900	519.0300	91.58%
x		95.01%	500.7900	497.7600	506.3300	505.9400	501.0800	509.1900	90.28%
%RSD		0.90	0.5235	1.5517	2.6300	2.4954	0.7043	2.0051	1.69

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	16:47:18	0.0969	T 507.5900	507.3000	ID 28.6080	506.0100	499.9000	521.6500	T 503.0200
2	16:47:55	0.0564	T 502.1000	502.0000	ID 28.8280	505.3700	501.7800	503.8700	516.8000
3	16:48:32	0.0467	T 500.5200	500.5600	ID 29.0540	500.6600	501.2800	507.3300	T 495.6300
4	16:49:08	0.0629	T 500.5700	505.4100	ID 29.4650	504.7100	504.6800	515.3100	T 499.3800
5	16:49:45	0.0510	T 500.0700	499.3100	ID 29.1990	502.3700	502.5900	489.1400	T 495.1500
x		0.0628	T 502.1700	502.9200	ID 29.0310	503.8200	502.0400	507.4600	T 501.9900
%RSD		31.9000	T 0.6222	0.6653	ID 1.1394	0.4440	0.3525	2.4359	T 1.7659

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	16:47:18	507.1300	507.5400	505.2200	503.7400	506.6900	510.9500	511.4100	0.7065
2	16:47:55	503.0300	504.3700	504.6200	501.6500	503.2100	503.2400	505.0400	0.8235
3	16:48:32	499.0700	502.3400	500.6400	498.5400	496.6800	497.7500	494.6800	0.9918
4	16:49:08	501.2700	502.7900	499.1500	503.2400	501.7400	501.2200	498.7600	0.5381
5	16:49:45	495.3500	495.1600	499.0200	497.2000	497.2800	489.1700	491.7400	0.4819
x		501.1700	502.4400	501.7300	500.8700	501.1200	500.4700	500.3300	0.7084
%RSD		0.8770	0.9058	0.5955	0.5759	0.8364	1.5891	1.5899	29.4320

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	16:47:18	87.34%	502.3300	-0.5547	503.4900	501.5600	500.6800	87.82%	0.0000
2	16:47:55	90.37%	505.2400	-1.3530	504.5900	503.6000	502.4900	91.04%	0.0000
3	16:48:32	92.30%	500.9900	-0.6423	500.9400	500.3000	501.0700	93.40%	0.0000
4	16:49:08	92.54%	503.4400	-0.2742	504.0100	500.8900	501.6500	94.52%	0.0000
5	16:49:45	94.03%	504.5900	0.8633	503.2400	500.9400	503.7700	95.11%	0.0000
x		91.32%	503.3200	-0.3922	503.2500	501.4600	501.9300	92.38%	0.0000
%RSD		2.82	0.3397	205.6700	0.2768	0.2544	0.2455	3.23	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	16:47:18	496.5800	508.4400	504.3500	85.93%	501.1000	501.5200	499.4700	500.4300
2	16:47:55	502.3900	499.4700	503.2200	T 92.21%	500.3400	501.7200	503.0900	500.8100
3	16:48:32	502.4100	498.2000	497.2600	T 95.68%	504.0600	506.8400	503.8600	503.6700
4	16:49:08	504.6800	501.5400	503.8600	95.31%	505.2500	507.3500	503.7400	504.5600
5	16:49:45	506.6700	499.0900	496.7200	T 98.30%	502.2800	506.1900	502.4300	501.5600
x		502.5400	501.3500	501.0800	T 93.49%	502.6100	504.7200	502.5200	502.2100
%RSD		0.7525	0.8282	0.7506	T 5.08	0.4057	0.5675	0.3577	0.3621

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	16:47:18	499.1800	90.28%	-0.1216
2	16:47:55	502.9000	95.27%	-0.1216
3	16:48:32	505.0900	98.04%	-0.1216
4	16:49:08	505.6300	100.37%	1.1100
5	16:49:45	502.6800	102.12%	0.4836
x		503.1000	97.22%	0.2457
%RSD		0.5065	4.78	223.6600

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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	16:53:13	93.19%	975.9600	969.5600	975.2900	972.1300	T 950.3400	1005.0000	86.83%
2	16:53:50	92.86%	976.6800	984.2200	1001.8000	995.4400	T 955.8500	1013.0000	86.88%
3	16:54:26	94.16%	969.0100	980.2900	980.7900	1000.2000	T 955.0600	1001.3000	87.11%
4	16:55:03	94.45%	960.5900	966.3600	990.4600	990.7800	T 948.8500	1002.8000	87.54%
5	16:55:40	93.97%	967.4100	989.2400	1019.8000	992.2800	T 950.8000	1013.9000	87.12%
x		93.73%	969.9300	977.9400	993.6400	990.1700	T 952.1800	1007.2000	87.10%
%RSD		0.72	0.6847	0.9926	1.7891	1.0824	T 0.3243	0.5823	0.32

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	16:53:13	0.1303	T 970.4300	T 965.5500	ID 57.6730	T 958.0600	1010.5000	1007.6000	T 981.7000
2	16:53:50	0.0643	T 964.6900	T 967.3800	ID 58.1450	T 952.7900	1014.5000	1008.2000	T 981.7600
3	16:54:26	0.0623	T 975.6800	T 966.3500	ID 58.3460	T 962.9800	1021.6000	1004.5000	T 977.3600
4	16:55:03	0.0679	T 970.4400	T 960.7000	ID 57.7320	T 954.1500	1014.9000	994.3400	T 974.8600
5	16:55:40	0.0342	T 971.6600	T 966.0400	ID 57.9430	T 959.0200	1021.6000	1008.2000	T 975.1200
x		0.0718	T 970.5800	T 965.2000	ID 57.9680	T 957.4000	1016.6000	1004.6000	T 978.1600
%RSD		49.2370	T 0.4056	T 0.2701	ID 0.4862	T 0.4244	0.4801	0.5892	T 0.3478

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	16:53:13	1000.8000	T 984.3000	999.8400	990.3500	989.1500	993.0500	979.2100	0.7131
2	16:53:50	1002.6000	T 987.2200	1004.8000	998.1900	994.8200	975.2600	985.9300	0.5979
3	16:54:26	998.8800	T 976.1100	991.1000	987.3800	987.1000	972.3800	975.7400	1.9424
4	16:55:03	995.3500	T 981.9800	990.4900	991.0000	992.0400	970.4700	981.7300	0.3199
5	16:55:40	998.4500	T 983.2900	993.3600	982.4100	985.3900	972.4000	976.9600	1.2321
x		999.2100	T 982.5800	995.9100	989.8700	989.7000	976.7100	979.9100	0.9611
%RSD		0.2712	T 0.4174	0.6215	0.5815	0.3822	0.9516	0.4150	66.6430

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	16:53:13	87.35%	T 978.0800	3.6769	T 976.3900	993.1100	1004.5000	88.58%	0.0000
2	16:53:50	88.55%	T 974.0100	-0.6256	T 972.8400	993.7300	1000.2000	90.56%	0.0000
3	16:54:26	88.90%	T 971.2200	-0.1040	T 966.7200	987.4100	1003.2000	91.11%	0.0000
4	16:55:03	88.92%	T 977.3000	-1.8540	T 973.5200	992.9400	1004.7000	90.90%	0.0000
5	16:55:40	88.85%	T 976.1700	4.2387	T 974.2200	987.5200	1004.9000	91.19%	0.0000
x		88.52%	T 975.3600	1.0664	T 972.7400	990.9400	1003.5000	90.47%	0.0000
%RSD		0.75	T 0.2845	255.2600	T 0.3719	0.3217	0.1962	1.20	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	16:53:13	M 1007.5000	1001.9000	1004.0000	88.21%	1017.4000	T 958.5800	T 1002.9000	1004.7000
2	16:53:50	M 1011.0000	995.9300	1002.8000	91.33%	1025.6000	T 958.8400	T 1003.3000	1013.2000
3	16:54:26	M 1011.8000	978.2000	986.2800	T 94.02%	1027.5000	T 962.6300	T 1009.1000	1013.3000
4	16:55:03	M 1019.1000	994.7300	997.4200	92.13%	1024.0000	T 955.8000	T 1002.7000	1010.6000
5	16:55:40	M 1015.9000	992.6700	996.2900	91.77%	1031.8000	T 968.3400	T 1012.6000	1020.9000
x		M 1013.1000	992.7000	997.3600	T 91.49%	1025.2000	T 960.8400	T 1006.1000	1012.5000
%RSD		M 0.4455	0.8873	0.7049	T 2.30	0.5161	T 0.5044	T 0.4470	0.5771

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	16:53:13	T 985.7000	93.35%	-0.1216
2	16:53:50	T 987.9300	95.92%	1.1672
3	16:54:26	T 987.7500	96.58%	0.5183
4	16:55:03	T 985.1900	97.47%	0.5125
5	16:55:40	T 994.3700	97.37%	1.1480
x		T 988.1900	96.14%	0.6449
%RSD		T 0.3705	1.75	83.0390

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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	16:59:09	94.62%	0.1279	1424.2000	1420.7000	1411.1000	0.4338	1465.1000	86.46%
2	16:59:45	96.93%	0.2122	1460.3000	1444.7000	1443.2000	0.4622	1513.1000	89.06%
3	17:00:22	96.75%	0.2239	1482.9000	1473.4000	1490.4000	0.5154	1510.7000	91.38%
4	17:00:58	97.61%	0.2812	1491.0000	1476.2000	1474.7000	0.4668	1509.9000	92.66%
5	17:01:35	98.03%	0.2592	1512.5000	1516.6000	1514.2000	0.5072	1512.7000	94.30%
x		96.79%	0.2209	1474.2000	1466.3000	1466.7000	0.4771	1502.3000	90.77%
%RSD		1.36	26.6390	2.2793	2.4652	2.7541	7.0893	1.3867	3.39

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	16:59:09	0.0856	0.1663	0.2674	ID 58.9360	0.1884	1523.1000	1518.7000	0.1574
2	16:59:45	0.0823	0.2169	0.2617	ID 60.7280	0.2129	1551.3000	1492.3000	0.1883
3	17:00:22	0.0440	0.1962	0.2874	ID 59.8500	0.2145	1544.5000	1505.5000	0.2261
4	17:00:58	0.0305	0.2848	0.3629	ID 59.7010	0.2592	1553.2000	1519.3000	0.2562
5	17:01:35	0.0416	0.3063	0.3061	ID 59.5820	0.3269	1555.0000	1501.3000	0.2388
x		0.0568	0.2341	0.2971	ID 59.7590	0.2404	1545.4000	1507.4000	0.2134
%RSD		44.5720	25.3770	13.7090	ID 1.0776	22.7570	0.8459	0.7708	18.7620

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	16:59:09	0.2764	0.3821	0.4191	0.8510	0.2183	-0.3707	-0.0704	0.1026
2	16:59:45	0.3160	0.3740	0.3471	0.9562	0.2920	-0.0883	0.3013	-0.7915
3	17:00:22	0.2984	0.3582	0.3570	0.9552	0.2871	-0.2731	0.3373	-0.0884
4	17:00:58	0.4575	0.4201	0.3553	1.1139	0.2694	-0.0029	0.2448	-0.1453
5	17:01:35	0.4008	0.4281	0.4970	1.0308	0.1803	-0.1289	-0.0285	1.1321
x		0.3498	0.3925	0.3951	0.9814	0.2494	-0.1728	0.1569	0.0419
%RSD		21.8520	7.7104	16.1620	9.9723	19.4140	85.4390	122.2600	1661.5000

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	16:59:09	86.11%	0.4390	-1.6746	0.4618	0.1808	0.1617	85.88%	0.0000
2	16:59:45	89.09%	0.4996	-0.4198	0.4820	0.1976	0.1722	89.48%	0.0000
3	17:00:22	90.81%	0.4572	-0.9313	0.4614	0.1813	0.1857	92.05%	0.0000
4	17:00:58	92.36%	0.5048	-1.0483	0.5019	0.2386	0.2086	93.83%	0.0000
5	17:01:35	94.15%	0.5217	0.2284	0.5171	0.2604	0.2247	95.64%	0.0000
x		90.50%	0.4845	-0.7691	0.4848	0.2117	0.1906	91.38%	0.0000
%RSD		3.41	7.1814	92.8840	5.0707	16.9880	13.5890	4.19	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	16:59:09	1.2705	0.1655	0.1885	83.44%	0.1770	0.1713	0.2308	0.2519
2	16:59:45	1.3788	0.2247	0.1822	87.67%	0.2372	0.2115	0.2969	0.2535
3	17:00:22	1.2920	0.2162	0.2512	90.78%	0.2323	0.2063	0.2945	0.2897
4	17:00:58	1.2520	0.2764	0.2642	92.56%	0.2682	0.2572	0.3311	0.3146
5	17:01:35	1.2281	0.2705	0.3136	94.15%	0.2907	0.2523	0.3123	0.2850
x		1.2843	0.2307	0.2399	89.72%	0.2411	0.2197	0.2931	0.2789
%RSD		4.5054	19.5980	22.9430	4.74	17.8440	16.1810	12.8940	9.4810

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	16:59:09	0.2260	87.27%	0.5866
2	16:59:45	0.2545	91.89%	-0.1216
3	17:00:22	0.2691	95.07%	-0.1216
4	17:00:58	0.3180	97.36%	-0.1216
5	17:01:35	0.3126	99.20%	-0.1216
x		0.2760	94.16%	0.0200
%RSD		14.1680	5.01	1582.1000

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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	17:05:04	99.16%	0.0957	2000.2000	1970.9000	1968.1000	0.5474	1970.3000	93.09%
2	17:05:40	98.55%	0.1034	2066.9000	2022.4000	2036.8000	0.6085	1951.2000	95.57%
3	17:06:17	99.43%	0.1235	T 2045.2000	2051.7000	2039.9000	0.7111	2015.6000	97.44%
4	17:06:54	100.43%	0.1346	T 2017.8000	2042.9000	2054.9000	0.6921	2017.6000	98.78%
5	17:07:31	102.64%	0.1241	T 2027.8000	2046.3000	2042.4000	0.6430	2005.7000	100.25%
x		100.04%	0.1163	T 2031.6000	2026.8000	2028.4000	0.6404	1992.1000	97.03%
%RSD		1.60	13.8440	T 1.2589	1.6368	1.6966	10.2800	1.4921	2.88

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	17:05:04	0.0827	0.0675	0.2399	ID 79.4410	0.1341	T 1949.0000	2009.7000	0.1510
2	17:05:40	0.0584	0.1183	0.2076	ID 80.4870	0.1498	T 1949.1000	2016.4000	0.1501
3	17:06:17	0.0419	0.1458	0.2355	ID 80.3070	0.1808	T 1964.4000	1989.0000	0.1865
4	17:06:54	0.0526	0.0998	0.1698	ID 80.0070	0.7456	T 1970.4000	1953.1000	0.1669
5	17:07:31	0.0263	0.1183	0.2262	ID 80.2830	0.1822	T 1957.3000	1985.4000	0.1489
x		0.0524	0.1099	0.2158	ID 80.1050	0.2785	T 1958.0000	1990.7000	0.1607
%RSD		39.8840	26.2400	13.2300	ID 0.5105	94.0490	T 0.4806	1.2465	10.0870

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	17:05:04	0.2488	0.2735	0.2370	0.8384	0.6621	-0.4676	0.4137	-0.6612
2	17:05:40	0.2800	0.2680	0.2728	0.8920	0.5568	-0.2388	0.1350	-0.2983
3	17:06:17	0.3108	0.2916	0.3446	1.0130	0.5255	-0.3717	0.2918	0.3939
4	17:06:54	0.3262	0.3178	0.2586	0.9379	0.5549	-0.5315	0.2328	-0.1913
5	17:07:31	0.2904	0.2853	0.2159	0.8836	0.5399	-0.0180	0.2700	0.3560
x		0.2912	0.2872	0.2658	0.9130	0.5678	-0.3255	0.2687	-0.0802
%RSD		10.2040	6.7744	18.4630	7.2448	9.5479	62.7350	37.5560	562.1500

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	17:05:04	92.98%	0.3489	-1.1453	0.3656	0.0956	0.0935	94.15%	0.0000
2	17:05:40	96.92%	0.3837	-1.0895	0.3811	0.1134	0.1090	98.04%	0.0000
3	17:06:17	98.87%	0.3892	0.4244	0.3927	0.1322	0.1399	100.37%	0.0000
4	17:06:54	100.75%	0.3828	-0.4060	0.3461	0.1509	0.1348	102.04%	0.0000
5	17:07:31	101.23%	0.3817	0.1937	0.3861	0.1172	0.1523	102.88%	0.0000
x		98.15%	0.3772	-0.4046	0.3743	0.1219	0.1259	99.50%	0.0000
%RSD		3.42	4.2680	177.5100	4.9929	17.0990	19.0720	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	17:05:04	3.5279	0.1137	0.1419	91.67%	0.2146	0.2072	0.8797	0.8734
2	17:05:40	3.5261	0.1726	0.2055	T 98.93%	0.2617	0.2431	0.9276	0.9102
3	17:06:17	3.5582	0.1485	0.2296	T 102.20%	0.2686	0.2501	0.8787	0.9273
4	17:06:54	3.5157	0.2106	0.2153	T 103.69%	0.2459	0.2553	0.9412	0.9623
5	17:07:31	3.6755	0.1729	0.2262	T 104.84%	0.2382	0.2473	0.9179	0.8667
x		3.5607	0.1637	0.2037	T 100.27%	0.2458	0.2406	0.9090	0.9080
%RSD		1.8564	21.8170	17.5760	T 5.28	8.6509	7.9779	3.1302	4.3444

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:05:04	0.8535	95.81%	-0.1216
2	17:05:40	0.9052	100.56%	-0.1216
3	17:06:17	0.9144	104.26%	-0.1216
4	17:06:54	0.9483	106.05%	-0.1216
5	17:07:31	0.9221	106.87%	-0.1216
x		0.9087	102.71%	-0.1216
%RSD		3.8297	4.44	0.0000

ICV 07/07/2008 17:10:24

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	17:11:00	97.73%	95.5560	1179.2000	1180.5000	1156.8000	511.3400	2042.4000	90.66%
2	17:11:37	97.93%	96.9320	1199.3000	1195.0000	1203.7000	510.4200	2071.5000	91.81%
3	17:12:14	96.80%	97.6570	1215.1000	1225.7000	1224.6000	514.3100	2072.4000	92.71%
4	17:12:50	98.09%	96.8780	1215.3000	1216.0000	1225.4000	509.9500	2049.7000	93.27%
5	17:13:27	98.71%	96.5540	1218.4000	1214.1000	1211.6000	512.4200	2028.6000	94.04%
x		97.85%	96.7150	1205.5000	1206.3000	1204.4000	511.6900	2052.9000	92.50%
%RSD		0.71	0.7892	1.3639	1.5078	2.3356	0.3406	0.9221	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	17:11:00	0.0736	98.5790	96.6800	ID 42.1300	95.7560	1037.7000	1053.1000	98.8010
2	17:11:37	0.0731	99.7320	96.4700	ID 42.2090	95.7860	1043.2000	1040.3000	98.7720
3	17:12:14	0.0290	98.3140	95.0630	ID 42.4520	95.5630	1042.1000	1044.1000	98.2710
4	17:12:50	0.0298	96.8700	95.5520	ID 42.3190	95.6700	1045.7000	1032.5000	97.6820
5	17:13:27	0.0246	96.6540	94.9160	ID 43.0540	95.3560	1041.1000	1043.4000	97.5350
x		0.0460	98.0300	95.7360	ID 42.4330	95.6260	1042.0000	1042.7000	98.2120
%RSD		54.4220	1.3020	0.8405	ID 0.8666	0.1822	0.2813	0.7125	0.6029

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	17:11:00	99.0120	98.0630	99.8500	201.1100	196.8300	202.6100	204.6400	-0.1617
2	17:11:37	99.3600	97.7400	98.3800	201.8700	196.8300	201.4800	203.9300	-0.5446
3	17:12:14	99.3470	97.0740	98.4170	200.0400	195.2100	200.2600	200.7400	0.4486
4	17:12:50	98.3380	97.2640	97.8660	199.8000	195.2600	200.3100	205.8700	0.1803
5	17:13:27	97.7890	97.1310	97.6410	198.4800	193.3500	200.2300	202.8800	0.3591
x		98.7690	97.4540	98.4310	200.2600	195.5000	200.9800	203.6100	0.0564
%RSD		0.6957	0.4405	0.8741	0.6492	0.7377	0.5248	0.9529	725.9900

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	17:11:00	89.28%	95.2980	-0.3695	96.0160	97.6160	97.4470	88.59%	0.0000
2	17:11:37	91.23%	95.1650	-0.3188	95.6050	97.5910	96.7960	92.33%	0.0000
3	17:12:14	93.09%	94.9070	0.6615	94.3940	97.1800	96.9680	93.82%	0.0000
4	17:12:50	93.61%	95.6230	0.2074	95.2060	98.4650	97.2030	94.08%	0.0000
5	17:13:27	93.64%	95.9130	-0.8763	95.4930	97.7770	97.0790	94.38%	0.0000
x		92.17%	95.3820	-0.1391	95.3430	97.7260	97.0990	92.64%	0.0000
%RSD		2.05	0.4127	423.6600	0.6344	0.4794	0.2530	2.59	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	17:11:00	194.3300	99.9230	100.4500	86.61%	202.4900	197.5900	193.1600	203.0600
2	17:11:37	194.5500	99.7500	100.0500	90.43%	203.2400	199.1300	193.8700	203.5100
3	17:12:14	194.2900	98.7260	98.2700	T 94.63%	203.1900	198.6700	194.0900	203.7500
4	17:12:50	196.0400	98.9820	99.0580	T 95.99%	203.5100	198.6700	193.6100	204.7000
5	17:13:27	196.7700	98.9370	98.6990	T 95.81%	202.5400	198.4000	194.2000	203.3800
x		195.2000	99.2640	99.3060	T 92.69%	202.9900	198.4900	193.7900	203.6800
%RSD		0.5827	0.5392	0.9240	T 4.40	0.2245	0.2861	0.2146	0.3060

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:11:00	196.6400	89.59%	-0.1216
2	17:11:37	197.7500	93.94%	-0.1216
3	17:12:14	197.5800	95.95%	-0.1216
4	17:12:50	197.5700	97.15%	-0.1216
5	17:13:27	198.0400	97.69%	-0.1216
x		197.5200	94.86%	-0.1216
%RSD		0.2658	3.46	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	17:16:57	99.49%	0.0909	0.1243	0.2376	0.3642	-0.0358	-0.7894	94.31%
2	17:17:34	100.77%	0.0906	-0.1357	-0.0276	-0.1612	-0.0045	3.7775	96.65%
3	17:18:11	102.25%	0.0373	-0.3899	-0.1015	-0.3481	-0.1172	-1.1698	99.52%
4	17:18:47	102.65%	0.0301	-0.5144	-0.2956	-0.2774	-0.0670	-2.9107	100.89%
5	17:19:24	103.86%	0.0731	-0.2524	-0.2574	-0.4827	-0.0221	-1.3394	101.16%
x		101.80%	0.0644	-0.2336	-0.0889	-0.1810	-0.0493	-0.4864	98.51%
%RSD		1.67	45.0890	105.1300	239.7000	180.2400	89.8400	517.5300	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	17:16:57	0.0792	0.0527	0.0850	ID -0.1111	0.0584	0.4145	4.4386	0.0691
2	17:17:34	0.0697	0.0440	0.0401	ID -0.1902	0.0575	0.8084	-2.0559	0.0733
3	17:18:11	0.0271	0.0389	0.0382	ID -0.1540	0.0225	-2.0064	-9.1501	0.0418
4	17:18:47	0.0513	0.0290	0.0555	ID -0.1895	0.0225	-3.0226	-9.3995	0.0363
5	17:19:24	0.0335	0.0346	0.0272	ID -0.0864	0.0295	-1.7471	-12.0310	0.0605
x		0.0522	0.0398	0.0492	ID -0.1463	0.0381	-1.1106	-5.6396	0.0562
%RSD		43.0430	22.7610	45.5860	ID 31.8440	48.2830	148.4400	119.5200	29.2940

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	17:16:57	0.0921	0.1479	0.1359	0.1658	0.1076	0.0455	-0.0561	-0.6750
2	17:17:34	0.0874	0.1250	0.1433	0.1216	0.1437	0.0216	0.1753	0.2868
3	17:18:11	0.0462	0.1398	0.1329	0.1190	0.0404	-0.0095	-0.1370	0.4717
4	17:18:47	0.0577	0.1035	0.1062	0.1011	0.0550	-0.4773	-0.0442	0.1351
5	17:19:24	0.0780	0.1394	0.1447	0.0733	0.1665	0.0611	0.2561	-0.3916
x		0.0723	0.1311	0.1326	0.1162	0.1027	-0.0717	0.0388	-0.0346
%RSD		27.2110	13.3290	11.7200	29.0940	53.2310	318.2100	432.1100	1390.9000

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	17:16:57	93.31%	0.0249	-0.2774	0.0197	0.0733	0.0763	93.18%	0.0000
2	17:17:34	96.99%	0.0190	-0.7168	0.0233	0.0495	0.0743	97.16%	0.0000
3	17:18:11	99.64%	0.0144	0.4651	0.0122	0.0441	0.0212	99.94%	0.0000
4	17:18:47	100.93%	0.0109	0.4947	0.0172	0.0373	0.0378	101.69%	0.0000
5	17:19:24	101.42%	0.0149	0.2486	0.0160	0.0523	0.0396	102.63%	0.0000
x		98.46%	0.0168	0.0428	0.0177	0.0513	0.0498	98.92%	0.0000
%RSD		3.41	31.7280	1226.7000	23.4510	26.4510	48.8500	3.87	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	17:16:57	0.2318	0.0285	0.0783	T 92.84%	0.0899	0.0948	0.0880	0.0757
2	17:17:34	0.2583	0.0564	0.0587	T 97.51%	0.1048	0.1071	0.0906	0.0996
3	17:18:11	0.2991	0.0289	0.0384	T 100.80%	0.0328	0.0388	0.0380	0.0499
4	17:18:47	0.1386	0.0096	0.0471	T 102.95%	0.0396	0.0407	0.0412	0.0424
5	17:19:24	0.1864	0.0503	0.0698	T 103.93%	0.0704	0.0727	0.0674	0.0829
x		0.2228	0.0347	0.0585	T 99.61%	0.0675	0.0708	0.0650	0.0701
%RSD		28.0140	54.1750	27.7470	T 4.53	46.1540	43.6800	38.3320	33.7530

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:16:57	0.0829	92.81%	-0.1216
2	17:17:34	0.0874	98.44%	-0.1216
3	17:18:11	0.0426	102.20%	-0.1216
4	17:18:47	0.0327	104.10%	-0.1216
5	17:19:24	0.0682	105.46%	-0.1216
x		0.0628	100.60%	-0.1216
%RSD		38.6890	5.06	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	17:22:52	98.81%	1.0092	-0.5164	-0.7307	-0.4797	35.6620	0.4862	96.20%
2	17:23:29	100.01%	1.1112	-0.1443	0.1588	0.0818	35.1480	-0.0253	97.80%
3	17:24:06	100.22%	1.0419	-0.1493	0.1998	-0.0467	35.6150	-0.8010	98.40%
4	17:24:42	102.64%	1.0047	-0.6275	-0.6143	-0.3130	35.6390	-2.5370	100.10%
5	17:25:19	103.29%	0.9577	-0.5390	-0.5300	0.0327	35.1050	-1.8149	101.51%
x		100.99%	1.0250	-0.3953	-0.3033	-0.1450	35.4340	-0.9384	98.80%
%RSD		1.87	5.5421	58.3440	147.2200	166.4300	0.7937	132.7400	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	17:22:52	0.1115	4.6897	1.8682	ID -0.1389	0.9637	3.2608	-2.7144	0.9657
2	17:23:29	0.0694	4.7771	1.9679	ID -0.1997	0.9887	1.5127	-6.6147	0.9950
3	17:24:06	0.0559	4.9431	1.9554	ID -0.1319	0.9734	1.6734	-7.5488	1.0022
4	17:24:42	0.0387	4.7608	1.9060	ID -0.1863	0.9576	0.1076	-7.9573	0.9563
5	17:25:19	0.0009	4.8396	1.9698	ID -0.0140	0.9533	1.0222	-4.5995	0.9400
x		0.0553	4.8021	1.9334	ID -0.1342	0.9673	1.5153	-5.8870	0.9718
%RSD		73.4250	1.9824	2.3136	ID 54.6440	1.4623	75.9370	37.3130	2.6990

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	17:22:52	0.9882	1.9616	2.0743	1.8181	1.1728	5.0486	5.5366	-0.4843
2	17:23:29	1.0941	2.0247	1.9606	1.8499	0.8928	4.5568	4.6560	0.3848
3	17:24:06	1.0536	2.0255	2.0679	1.8519	0.9947	4.5999	4.5857	0.1510
4	17:24:42	1.0723	1.9765	1.9530	1.8957	0.9171	5.0189	4.9260	0.6113
5	17:25:19	1.0406	2.0247	2.0670	1.8629	0.8309	4.5574	4.9067	0.6306
x		1.0498	2.0026	2.0246	1.8557	0.9617	4.7563	4.9222	0.2587
%RSD		3.7977	1.5532	3.0602	1.5027	13.7070	5.3419	7.6133	177.3900

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	17:22:52	94.95%	0.9821	-0.8878	0.9627	1.0146	0.9630	94.69%	0.0000
2	17:23:29	97.39%	0.9545	-0.0298	0.9933	1.0267	1.0105	97.21%	0.0000
3	17:24:06	99.03%	0.9157	-0.3211	0.9473	1.0496	1.0276	98.77%	0.0000
4	17:24:42	100.46%	0.9538	0.1648	0.9327	1.0176	0.9545	100.35%	0.0000
5	17:25:19	101.29%	0.9002	0.1754	0.9298	0.9275	0.9825	101.45%	0.0000
x		98.62%	0.9413	-0.1797	0.9532	1.0072	0.9876	98.49%	0.0000
%RSD		2.57	3.4984	247.1200	2.7229	4.6302	3.1438	2.70	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	17:22:52	1.8149	9.4979	9.7166	T 94.98%	1.0034	0.9365	0.9345	1.0062
2	17:23:29	1.8192	9.4532	9.6236	T 97.73%	1.0215	0.9707	1.0480	1.0885
3	17:24:06	1.8082	9.8237	9.8290	97.05%	1.0280	0.9713	0.9943	0.9899
4	17:24:42	1.8849	10.0210	9.5863	T 101.70%	0.9736	0.9392	0.9649	1.0065
5	17:25:19	1.9572	9.3926	9.7026	T 102.54%	0.9302	0.9508	0.9498	1.0511
x		1.8569	9.6377	9.6916	T 98.80%	0.9913	0.9537	0.9783	1.0284
%RSD		3.4486	2.8190	0.9697	T 3.25	4.0504	1.7505	4.5794	3.9440

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:22:52	0.9441	95.21%	-0.1216
2	17:23:29	1.0300	98.73%	-0.1216
3	17:24:06	0.9907	100.80%	0.4916
4	17:24:42	0.9858	102.24%	-0.1216
5	17:25:19	0.9542	103.33%	-0.1216
x		0.9810	100.06%	0.0010
%RSD		3.4536	3.21	27206.0000

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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	17:28:46	83.50%	0.2804	TM 98337.0000	TM 98046.0000	TM 98424.0000	TM 94673.0000	TM 111750.0000	77.74%
2	17:29:25	84.58%	0.2504	TM 100890.0000	TM 100550.0000	TM 101180.0000	TM 94732.0000	TM 112430.0000	81.24%
3	17:30:03	85.27%	0.2810	TM 102830.0000	TM 103180.0000	TM 103390.0000	TM 94941.0000	TM 113500.0000	83.18%
4	17:30:41	85.50%	0.3014	TM 104600.0000	TM 105010.0000	TM 105050.0000	TM 95558.0000	TM 114370.0000	84.60%
5	17:31:20	86.19%	0.2574	TM 106450.0000	TM 105140.0000	TM 106310.0000	TM 95800.0000	TM 115260.0000	85.89%
x		85.01%	0.2741	TM 102620.0000	TM 102380.0000	TM 102870.0000	TM 95141.0000	TM 113460.0000	82.53%
%RSD		1.20	7.4568	TM 3.0810	TM 2.9822	TM 3.0539	TM 0.5343	TM 1.2509	3.86

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	17:28:46	296.7200	0.2927	19.7640	ITD 4300.4000	7.7046	TM 101730.0000	TM 112880.0000	1.5494
2	17:29:25	292.6100	0.1443	19.6580	ITD 4333.6000	7.6160	TM 102400.0000	TM 112360.0000	1.3882
3	17:30:03	291.4800	0.3197	19.3450	ITD 4404.3000	7.6070	TM 103000.0000	TM 112580.0000	1.3881
4	17:30:41	290.2800	-0.0261	19.2540	ITD 4399.7000	7.6457	TM 104040.0000	TM 112500.0000	1.4031
5	17:31:20	291.9300	0.5760	19.7440	ITD 4446.8000	7.4567	TM 104770.0000	TM 113490.0000	1.4017
x		292.6100	0.2613	19.5530	ITD 4376.9000	7.6060	TM 103190.0000	TM 112760.0000	1.4261
%RSD		0.8377	85.5190	1.2111	ITD 1.3455	1.2067	TM 1.1869	TM 0.3960	4.8597

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	17:28:46	7.9918	8.4050	9.8999	13.4110	-0.2408	1.6301	-2.4131	12.1730
2	17:29:25	7.4442	8.4116	9.7829	14.0250	-0.2601	1.4292	-2.8140	14.4980
3	17:30:03	7.7772	8.4511	9.5612	13.0220	-0.2109	1.3671	-2.9019	14.0420
4	17:30:41	7.7975	8.4787	9.1218	13.3510	-0.2393	1.4593	-2.7738	12.6780
5	17:31:20	6.9631	8.4230	9.6958	13.5940	-0.3069	1.5512	-2.9654	13.1260
x		7.5947	8.4339	9.6123	13.4810	-0.2516	1.4874	-2.7736	13.3030
%RSD		5.3228	0.3632	3.1296	2.7304	14.1330	6.9780	7.7505	7.2035

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	17:28:46	74.78%	0.0302	16.6740	0.0522	4.0148	1.4969	79.53%	0.0000
2	17:29:25	78.85%	0.0313	15.1230	0.0529	3.6568	1.2297	84.11%	0.0000
3	17:30:03	81.67%	0.0225	15.6590	0.0528	3.6784	1.2018	87.50%	0.0000
4	17:30:41	83.67%	0.0343	14.7380	0.0404	3.3577	1.1527	89.54%	0.0000
5	17:31:20	84.45%	0.0161	15.8190	0.0380	3.3089	0.9985	91.97%	0.0000
x		80.68%	0.0269	15.6020	0.0473	3.6033	1.2159	86.53%	0.0000
%RSD		4.89	27.6730	4.7256	15.7280	7.9086	14.8600	5.62	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	17:28:46	0.9694	1.3794	1.5731	77.00%	-0.0261	-0.0257	4.5565	4.2680
2	17:29:25	1.1322	1.5466	1.4684	82.78%	-0.0288	-0.0295	4.7002	4.2904
3	17:30:03	0.9568	1.3522	1.3706	86.04%	-0.0234	-0.0216	4.5486	4.4091
4	17:30:41	1.0395	1.3616	1.4636	88.94%	-0.0322	-0.0304	4.5938	4.4266
5	17:31:20	1.0622	1.6474	1.3218	90.83%	-0.0362	-0.0339	4.4727	4.4273
x		1.0320	1.4574	1.4395	85.12%	-0.0293	-0.0282	4.5744	4.3643
%RSD		6.9510	9.1024	6.7597	6.42	17.1130	16.7170	1.8139	1.7965

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:28:46	4.3319	77.27%	-0.1216
2	17:29:25	4.4171	82.57%	-0.1216
3	17:30:03	4.3920	86.40%	-0.1216
4	17:30:41	4.4314	89.27%	-0.1216
5	17:31:20	4.3679	91.23%	-0.1216
x		4.3881	85.35%	-0.1216
%RSD		0.9044	6.53	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	17:34:48	85.30%	18.4560	TM 103230.0000	TM 102690.0000	TM 103310.0000	TM 94895.0000	TM 112560.0000	84.09%
2	17:35:25	85.99%	19.1780	TM 104520.0000	TM 104010.0000	TM 105140.0000	TM 95214.0000	TM 113660.0000	85.74%
3	17:36:02	85.85%	18.6010	TM 105510.0000	TM 105150.0000	TM 105030.0000	TM 95128.0000	TM 114400.0000	86.97%
4	17:36:38	86.88%	18.8380	TM 106050.0000	TM 104320.0000	TM 105940.0000	TM 95394.0000	TM 114940.0000	87.22%
5	17:37:15	87.25%	18.5250	TM 105000.0000	TM 104770.0000	TM 105770.0000	TM 94831.0000	TM 113990.0000	87.85%
x		86.25%	18.7200	TM 104860.0000	TM 104190.0000	TM 105040.0000	TM 95092.0000	TM 113910.0000	86.37%
%RSD		0.92	1.5695	TM 1.0256	TM 0.9058	TM 0.9914	TM 0.2433	TM 0.7832	1.72

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	17:34:48	287.0800	21.0840	39.0170	ITD 4323.9000	26.8550	TM 102060.0000	TM 111690.0000	20.8380
2	17:35:25	288.4100	20.1400	38.7010	ITD 4374.7000	26.6830	TM 102990.0000	TM 111190.0000	20.7390
3	17:36:02	283.9900	20.4250	39.0550	ITD 4397.7000	27.0020	TM 103350.0000	TM 110650.0000	20.5070
4	17:36:38	287.3600	20.2280	38.4020	ITD 4406.3000	26.9410	TM 104600.0000	TM 112500.0000	20.9100
5	17:37:15	286.5200	20.6280	39.0790	ITD 4395.8000	26.7410	TM 103260.0000	TM 112000.0000	20.7420
x		286.6700	20.5010	38.8510	ITD 4379.7000	26.8440	TM 103250.0000	TM 111600.0000	20.7470
%RSD		0.5758	1.8358	0.7561	ITD 0.7597	0.4960	TM 0.8820	TM 0.6416	0.7325

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	17:34:48	27.0370	26.2720	27.5030	28.9090	18.5980	19.9020	15.7520	10.0610
2	17:35:25	26.0690	26.4290	27.4010	28.5580	18.5040	19.5840	15.2810	12.3670
3	17:36:02	25.8580	26.2440	26.7290	28.0380	18.4220	19.6630	15.6060	13.1440
4	17:36:38	25.3000	26.2600	27.0000	28.7960	18.3130	19.8840	14.7360	12.8640
5	17:37:15	26.3610	26.2190	26.6590	27.8350	18.2630	19.6940	15.1450	12.4330
x		26.1250	26.2850	27.0580	28.4270	18.4200	19.7450	15.3040	12.1740
%RSD		2.4526	0.3169	1.4148	1.6568	0.7417	0.7126	2.6143	10.0480

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	17:34:48	82.38%	17.4090	14.2280	17.3000	21.8200	18.8540	89.25%	0.0000
2	17:35:25	85.38%	17.2780	15.1760	17.3810	21.6410	19.0580	91.80%	0.0000
3	17:36:02	86.56%	17.3730	14.1530	17.4290	21.8270	19.1980	92.84%	0.0000
4	17:36:38	86.61%	17.3610	13.8150	17.5430	21.4340	19.0420	93.33%	0.0000
5	17:37:15	86.72%	17.5080	14.2840	17.4860	21.4700	18.8070	93.65%	0.0000
x		85.53%	17.3860	14.3310	17.4280	21.6380	18.9920	92.17%	0.0000
%RSD		2.16	0.4807	3.5334	0.5382	0.8604	0.8440	1.93	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	17:34:48	20.3610	22.2250	22.0930	87.80%	20.4460	19.7780	24.4690	25.6330
2	17:35:25	20.4470	21.2450	21.5400	T 95.21%	20.5190	19.9190	24.4630	25.4650
3	17:36:02	20.4260	21.9770	21.2590	T 96.58%	20.8930	20.1090	24.2000	25.3720
4	17:36:38	20.5010	21.9720	22.0550	93.94%	20.8930	20.0360	24.0530	24.8920
5	17:37:15	20.3580	21.7470	22.4520	93.41%	20.6730	20.0220	24.3450	25.7230
x		20.4190	21.8330	21.8800	T 93.39%	20.6850	19.9730	24.3060	25.4170
%RSD		0.2960	1.6945	2.1726	T 3.60	1.0009	0.6414	0.7366	1.2755

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:34:48	24.6450	87.32%	-0.1216
2	17:35:25	24.5960	91.56%	-0.1216
3	17:36:02	24.5360	92.81%	-0.1216
4	17:36:38	24.3070	93.86%	-0.1216
5	17:37:15	24.5760	93.55%	-0.1216
x		24.5320	91.82%	-0.1216
%RSD		0.5372	2.90	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	17:40:42	94.14%	250.3900	1064.1000	1076.1000	1068.3000	305.4000	1068.9000	94.39%
2	17:41:18	94.38%	250.9300	1110.0000	1096.7000	1106.7000	326.1900	1075.4000	96.35%
3	17:41:55	94.76%	249.7700	1138.1000	1128.0000	1143.7000	340.0100	1105.9000	97.73%
4	17:42:32	95.40%	250.8900	1109.6000	1115.7000	1116.2000	307.9800	1064.8000	98.95%
5	17:43:08	96.12%	248.9100	1096.0000	1093.3000	1110.2000	299.2500	1044.5000	98.68%
x		94.96%	250.1800	1103.5000	1102.0000	1109.0000	315.7700	1071.9000	97.22%
%RSD		0.85	0.3405	2.4343	1.8356	2.4353	5.3397	2.0768	1.94

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	17:40:42	0.2492	247.4900	244.5800	ID 46.9280	240.3800	1088.6000	1068.6000	248.5600
2	17:41:18	0.3274	244.5000	241.2900	ID 47.7950	240.8200	1117.6000	1084.1000	247.0500
3	17:41:55	0.2964	242.6800	240.4700	ID 48.4290	238.4100	1135.3000	1084.0000	244.5800
4	17:42:32	0.2175	243.3100	241.0800	ID 47.4680	240.7400	1103.9000	1071.7000	245.1700
5	17:43:08	0.1960	243.9900	241.6000	ID 47.3610	241.2900	1107.0000	1049.3000	245.8600
x		0.2573	244.3900	241.8000	ID 47.5960	240.3300	1110.5000	1071.6000	246.2400
%RSD		21.1440	0.7617	0.6645	ID 1.1753	0.4654	1.5599	1.3342	0.6449

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	17:40:42	247.2000	243.3300	245.1300	242.9100	243.8400	246.5100	243.0700	0.8162
2	17:41:18	248.7100	243.5700	246.0200	244.8900	243.6100	243.9900	243.9800	0.3124
3	17:41:55	244.6100	240.2200	242.5500	241.8300	242.0200	241.1200	243.8400	0.8561
4	17:42:32	246.4700	242.8800	242.5400	244.1700	241.9200	243.8200	240.3600	0.3536
5	17:43:08	247.2000	241.8000	241.7800	241.4400	240.9300	240.4900	239.4900	0.2524
x		246.8400	242.3600	243.6000	243.0500	242.4600	243.1900	242.1500	0.5181
%RSD		0.6028	0.5681	0.7616	0.6082	0.5078	1.0008	0.8601	56.5170

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	17:40:42	94.41%	242.1700	-0.0473	242.5500	244.0800	241.4400	94.80%	0.0000
2	17:41:18	96.30%	242.2500	0.4546	241.0500	243.7600	240.8200	98.64%	0.0000
3	17:41:55	98.92%	241.1000	0.6154	240.7700	241.9800	241.5900	100.58%	0.0000
4	17:42:32	99.81%	241.7000	-0.9385	240.9800	244.8500	242.7700	101.72%	0.0000
5	17:43:08	101.18%	240.3700	-1.5390	240.2000	244.0200	243.3800	103.13%	0.0000
x		98.12%	241.5200	-0.2910	241.1100	243.7400	242.0000	99.77%	0.0000
%RSD		2.79	0.3268	317.5000	0.3623	0.4368	0.4312	3.24	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	17:40:42	238.0700	245.2700	243.7400	T 96.79%	243.0900	238.1600	243.0800	244.7400
2	17:41:18	239.0600	244.4500	242.7400	T 99.80%	243.0700	238.7500	242.1800	243.0800
3	17:41:55	241.0100	244.8500	243.7200	T 102.46%	243.4100	239.3200	244.3800	245.1500
4	17:42:32	242.7300	245.5600	245.0200	T 104.24%	242.5600	239.1700	244.3700	242.7900
5	17:43:08	242.9500	242.5900	243.2600	T 105.95%	243.6200	239.9500	245.1000	245.4800
x		240.7600	244.5400	243.7000	T 101.85%	243.1500	239.0700	243.8200	244.2500
%RSD		0.9020	0.4785	0.3467	T 3.56	0.1661	0.2782	0.4812	0.5032

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:40:42	241.6700	97.04%	0.5153
2	17:41:18	241.9000	101.13%	-0.1216
3	17:41:55	243.1100	103.32%	-0.1216
4	17:42:32	242.3900	106.26%	-0.1216
5	17:43:08	243.5400	107.71%	-0.1216
x		242.5200	103.09%	0.0058
%RSD		0.3262	4.11	4949.6000

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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	17:46:36	96.74%	0.0585	31.4910	33.1180	31.2760	30.6920	39.3950	100.02%
2	17:47:12	97.95%	0.0687	34.6110	36.0760	34.6640	30.5180	33.3940	104.22%
3	17:47:49	99.45%	0.0360	24.6320	24.7850	26.8340	23.2340	29.3810	106.24%
4	17:48:26	100.00%	0.0680	24.8610	25.7560	28.1220	23.7500	24.4190	107.75%
5	17:49:03	99.85%	0.0342	21.5700	21.3600	22.2410	20.8000	22.7170	108.14%
x		98.80%	0.0531	27.4330	28.2190	28.6270	25.7990	29.8610	105.27%
%RSD		1.43	31.8440	19.7010	21.7470	16.3570	17.5480	22.7280	3.15

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	17:46:36	0.2021	0.1020	0.0965	ID 1.1711	0.0675	39.1450	22.2120	0.0530
2	17:47:12	0.1830	0.0263	0.0757	ID 1.1590	0.0684	35.3740	23.7810	0.0474
3	17:47:49	0.1484	0.0486	0.0318	ID 0.8270	0.0409	27.6790	10.8960	0.0448
4	17:48:26	0.1289	0.0182	0.0415	ID 0.8048	0.0458	28.9730	7.4960	0.0309
5	17:49:03	0.1041	0.0278	0.0177	ID 0.8770	0.0273	26.1440	1.3596	0.0203
x		0.1533	0.0446	0.0526	ID 0.9678	0.0500	31.4630	13.1490	0.0393
%RSD		25.8970	76.2570	61.8230	ID 18.8090	35.5540	17.6330	73.2630	34.0740

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	17:46:36	0.1474	0.3157	0.2232	0.3096	0.0786	1.4896	0.1529	0.0257
2	17:47:12	0.1264	0.3098	0.1550	0.3188	0.0859	1.6428	0.2205	-0.4921
3	17:47:49	0.1196	0.2675	0.1784	0.2070	0.0317	1.3277	-0.0582	0.3816
4	17:48:26	0.0806	0.2628	0.1324	0.3237	-0.0408	1.2957	-0.2646	0.6963
5	17:49:03	0.0843	0.2464	0.1385	0.3273	-0.0225	1.4602	-0.1064	0.3242
x		0.1117	0.2804	0.1655	0.2973	0.0266	1.4432	-0.0112	0.1871
%RSD		25.5910	10.9040	22.2600	17.1310	216.0400	9.6394	1771.6000	239.4800

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	17:46:36	100.92%	0.0531	-0.0923	0.0475	0.0565	0.0591	101.84%	0.0000
2	17:47:12	104.78%	0.0554	0.3427	0.0596	0.0570	0.0590	107.35%	0.0000
3	17:47:49	107.95%	0.0281	0.0592	0.0295	0.0552	0.0400	110.22%	0.0000
4	17:48:26	109.43%	0.0349	-0.0773	0.0340	0.0468	0.0446	112.47%	0.0000
5	17:49:03	111.22%	0.0224	0.9640	0.0242	0.0379	0.0314	112.77%	0.0000
x		106.86%	0.0388	0.2393	0.0390	0.0507	0.0468	108.93%	0.0000
%RSD		3.81	38.2300	184.3900	36.9880	16.2940	25.9560	4.15	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	17:46:36	0.2173	0.0868	0.0436	T 102.95%	0.0583	0.0569	0.0752	0.0517
2	17:47:12	0.2612	0.0966	0.0713	T 108.70%	0.0756	0.0628	0.0746	0.0672
3	17:47:49	0.1791	0.0049	0.0370	T 111.94%	0.0374	0.0353	0.0625	0.0435
4	17:48:26	0.1618	0.0254	0.0417	T 113.80%	0.0332	0.0250	0.0502	0.0496
5	17:49:03	0.1406	0.0357	0.0718	T 114.68%	0.0334	0.0179	0.0245	0.0291
x		0.1920	0.0499	0.0531	T 110.41%	0.0476	0.0396	0.0574	0.0482
%RSD		24.9090	80.0210	32.0780	T 4.31	39.4630	49.5140	36.6560	28.6830

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:46:36	0.0596	103.40%	-0.1216
2	17:47:12	0.0714	109.35%	-0.1216
3	17:47:49	0.0473	113.10%	0.4249
4	17:48:26	0.0464	115.37%	-0.1216
5	17:49:03	0.0320	116.81%	-0.1216
x		0.0513	111.61%	-0.0123
%RSD		28.9750	4.82	1981.4000

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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	17:52:30	98.64%	0.0340	16.6910	16.5000	16.0590	15.6950	27.8190	98.76%
2	17:53:09	99.89%	0.0374	24.8580	25.4580	26.0070	23.2960	31.0780	100.98%
3	17:53:48	100.77%	0.0382	19.9570	20.3300	20.9750	19.2550	27.4590	101.45%
4	17:54:25	100.32%	0.0089	12.8090	12.2850	13.5140	13.6270	22.5630	101.93%
5	17:55:03	101.85%	0.0055	8.5702	8.1524	7.4812	9.9591	15.4450	102.74%
x		100.29%	0.0248	16.5770	16.5450	16.8070	16.3660	24.8730	101.17%
%RSD		1.17	65.3960	37.9520	40.8090	42.1120	31.3610	24.4630	1.48

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	17:52:30	0.1218	0.2099	0.4502	ID 0.4892	0.0048	20.6080	5.1596	0.0071
2	17:53:09	0.1484	0.1030	0.4230	ID 0.8817	0.0146	27.0940	9.7711	0.0241
3	17:53:48	0.1646	-0.0685	0.3304	ID 0.9243	0.0230	24.4750	6.6524	0.0185
4	17:54:25	0.0821	0.1094	0.3323	ID 0.5654	0.0070	16.6570	1.5734	0.0074
5	17:55:03	0.1020	0.1302	0.3200	ID 0.4229	-0.0141	12.2540	-0.6166	0.0015
x		0.1238	0.0968	0.3712	ID 0.6567	0.0071	20.2180	4.5080	0.0117
%RSD		27.0760	105.1400	16.3460	ID 35.1630	196.0800	29.4360	91.1910	78.9780

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	17:52:30	0.0608	0.1809	0.1758	0.0795	-0.1467	0.5542	0.0107	-0.3385
2	17:53:09	0.1024	0.2080	0.1573	0.1032	-0.1350	0.3988	-0.0970	0.6251
3	17:53:48	0.0232	0.1955	0.1177	0.0637	-0.0611	0.2009	-0.1614	0.8830
4	17:54:25	0.0358	0.1898	0.1433	0.0704	0.1249	-0.0169	-0.0964	-0.0144
5	17:55:03	0.0581	0.1838	0.1011	0.0928	0.0225	-0.3330	-0.1996	0.5785
x		0.0561	0.1916	0.1390	0.0819	-0.0391	0.1608	-0.1087	0.3467
%RSD		53.9910	5.6139	21.5670	19.6940	291.5500	217.2700	73.5720	145.5500

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	17:52:30	97.81%	0.0397	-0.0103	0.0471	0.0409	0.0117	98.50%	0.0000
2	17:53:09	99.94%	0.0419	0.3197	0.0504	0.0434	0.0351	101.28%	0.0000
3	17:53:48	102.12%	0.0331	0.7519	0.0292	0.0100	0.0204	103.21%	0.0000
4	17:54:25	101.94%	0.0128	0.6096	0.0187	0.0061	0.0104	104.00%	0.0000
5	17:55:03	102.57%	0.0105	0.5806	0.0140	0.0080	0.0010	103.71%	0.0000
x		100.88%	0.0276	0.4503	0.0319	0.0217	0.0157	102.14%	0.0000
%RSD		1.97	53.9920	66.8550	51.3760	86.5060	81.5800	2.25	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	17:52:30	-0.0561	-0.0192	-0.0131	T 99.71%	-0.0171	-0.0136	0.0338	0.0159
2	17:53:09	-0.0373	0.0036	0.0098	T 103.30%	-0.0022	0.0003	0.0325	0.0445
3	17:53:48	-0.0549	0.0086	-0.0010	T 104.71%	-0.0148	-0.0198	0.0318	0.0165
4	17:54:25	-0.0673	-0.0209	-0.0245	T 105.72%	-0.0364	-0.0337	-0.0011	-0.0037
5	17:55:03	-0.0574	-0.0267	-0.0047	T 105.82%	-0.0469	-0.0400	-0.0101	-0.0095
x		-0.0546	-0.0109	-0.0067	T 103.85%	-0.0235	-0.0213	0.0174	0.0127
%RSD		19.8390	145.6600	192.8100	T 2.43	76.4070	75.2010	122.3200	166.7000

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:52:30	0.0163	99.71%	-0.1216
2	17:53:09	0.0284	103.28%	-0.1216
3	17:53:48	0.0209	106.23%	-0.1216
4	17:54:25	-0.0019	106.94%	-0.1216
5	17:55:03	-0.0080	107.21%	-0.1216
x		0.0112	104.67%	-0.1216
%RSD		138.7900	3.04	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	17:58:36	96.26%	99.4020	1276.1000	1284.8000	1282.7000	540.5500	2066.0000	93.80%
2	17:59:14	96.84%	99.2750	1314.4000	1292.2000	1322.5000	543.3700	2113.1000	95.28%
3	17:59:51	97.70%	99.6280	1319.4000	1337.2000	1321.9000	540.0300	2133.8000	96.67%
4	18:00:28	97.91%	99.3030	1320.8000	1298.8000	1318.5000	533.6100	2099.7000	97.16%
5	18:01:05	98.12%	98.8070	1338.3000	1337.3000	1340.7000	532.0300	2130.5000	97.79%
x		97.37%	99.2830	1313.8000	1310.0000	1317.2000	537.9200	2108.6000	96.14%
%RSD		0.81	0.3021	1.7430	1.9329	1.6072	0.9027	1.3066	1.67

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	17:58:36	0.1484	99.9140	98.0350	ID 44.2990	96.5260	1081.5000	1096.1000	100.2600
2	17:59:14	0.1276	98.5780	96.2600	ID 43.9270	96.3390	1089.4000	1068.0000	99.2260
3	17:59:51	0.1161	99.0800	96.2440	ID 44.2850	96.4210	1088.6000	1065.2000	98.4050
4	18:00:28	0.1109	97.5550	95.7210	ID 44.3090	96.0330	1092.2000	1061.8000	98.5560
5	18:01:05	0.0665	98.5830	95.6540	ID 44.5490	96.4820	1097.5000	1057.4000	98.2750
x		0.1139	98.7420	96.3830	ID 44.2740	96.3600	1089.8000	1069.7000	98.9440
%RSD		26.4810	0.8697	1.0025	ID 0.5031	0.2032	0.5337	1.4290	0.8286

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	17:58:36	101.4200	99.3790	100.0900	201.9700	196.2300	199.3900	201.1300	0.0504
2	17:59:14	100.9700	98.9230	99.8460	200.0300	194.8800	194.8600	198.6500	0.4147
3	17:59:51	100.5000	98.4320	98.3610	197.8400	192.9900	196.1900	197.9900	0.4053
4	18:00:28	100.1300	98.9870	98.6860	199.6400	193.1000	195.6500	197.7000	0.3679
5	18:01:05	98.5450	97.3480	99.2340	199.7100	189.4800	192.3700	195.2500	0.1644
x		100.3200	98.6140	99.2440	199.8400	193.3400	195.6900	198.1400	0.2805
%RSD		1.0988	0.7947	0.7431	0.7353	1.3151	1.2946	1.0642	58.4770

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	17:58:36	91.91%	96.0210	-1.3163	95.9530	99.7790	97.3650	93.51%	0.0000
2	17:59:14	95.27%	95.6280	-0.8179	95.4160	98.3070	97.0050	97.43%	0.0000
3	17:59:51	96.99%	95.1530	-0.5747	95.4600	98.4080	98.0130	99.55%	0.0000
4	18:00:28	97.98%	95.1090	1.9774	95.1020	98.3180	97.4740	100.94%	0.0000
5	18:01:05	98.72%	94.7410	-0.4008	95.5930	98.6860	97.5970	101.85%	0.0000
x		96.17%	95.3300	-0.2264	95.5050	98.7000	97.4900	98.66%	0.0000
%RSD		2.82	0.5226	564.9700	0.3232	0.6309	0.3755	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	17:58:36	197.1100	101.3100	100.1100	91.99%	205.9200	200.5700	195.9600	205.3400
2	17:59:14	197.5800	100.2300	99.1870	T 99.77%	205.6200	200.4600	195.6400	205.9100
3	17:59:51	198.5000	99.4550	98.8360	T 102.58%	206.6800	202.0600	194.8500	206.4300
4	18:00:28	198.2000	99.0530	98.8470	T 104.34%	207.4900	203.8900	196.9300	208.8200
5	18:01:05	199.9600	100.2200	99.3290	T 105.73%	207.1800	203.0200	196.4000	207.3200
x		198.2700	100.0500	99.2610	T 100.88%	206.5800	202.0000	195.9600	206.7600
%RSD		0.5491	0.8667	0.5227	T 5.40	0.3868	0.7438	0.4010	0.6587

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	17:58:36	199.8800	95.24%	-0.1216
2	17:59:14	199.5400	101.27%	-0.1216
3	17:59:51	200.0400	103.97%	-0.1216
4	18:00:28	201.5900	105.89%	-0.1216
5	18:01:05	201.1500	107.70%	-0.1216
x		200.4400	102.81%	-0.1216
%RSD		0.4400	4.73	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	18:04:34	93.51%	0.0091	T 12416.0000	12994.0000	T 12648.0000	21.8740	TM 75361.0000	89.31%
2	18:05:10	94.20%	0.0269	T 12598.0000	13256.0000	T 12673.0000	23.2530	TM 76595.0000	90.23%
3	18:05:47	94.24%	0.0027	T 12601.0000	T 12777.0000	T 12860.0000	23.9460	TM 76327.0000	91.13%
4	18:06:24	95.07%	0.0069	T 12556.0000	T 12721.0000	T 12751.0000	21.7810	TM 76610.0000	90.45%
5	18:07:01	94.10%	-0.0168	T 12789.0000	13433.0000	T 12969.0000	19.5820	TM 76704.0000	90.10%
x		94.22%	0.0058	T 12592.0000	T 13036.0000	T 12780.0000	22.0870	TM 76319.0000	90.24%
%RSD		0.59	271.1100	T 1.0598	T 2.3449	T 1.0481	7.5860	TM 0.7259	0.73

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	18:04:34	0.2957	0.1072	0.6106	ID 0.7560	71.3120	28.9520	769.2600	0.9116
2	18:05:10	0.2796	0.8039	0.6565	ID 0.8890	72.7450	29.4660	734.7500	0.9134
3	18:05:47	0.2807	0.6649	0.6136	ID 0.8043	71.1000	24.8660	699.9100	0.8849
4	18:06:24	0.2592	0.5676	0.6314	ID 0.8850	72.4440	22.2940	654.0700	0.8731
5	18:07:01	0.2136	0.5382	0.5292	ID 0.7872	71.9190	20.2380	630.4800	0.8334
x		0.2658	0.5363	0.6083	ID 0.8243	71.9040	25.1630	697.6900	0.8833
%RSD		12.0100	48.7310	7.8601	ID 7.2557	0.9826	16.0750	8.1458	3.7121

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	18:04:34	3.2315	3.2617	3.0379	500.9700	1.9075	1.2992	1.3655	1.0956
2	18:05:10	2.8351	3.3709	3.1458	497.8500	2.0547	0.8481	1.2199	0.0407
3	18:05:47	2.8574	3.2330	2.9544	498.8300	1.7519	0.2668	0.9933	1.3110
4	18:06:24	2.8365	3.2330	3.0347	500.7300	1.7937	0.9017	1.2456	0.9933
5	18:07:01	2.9509	3.2408	2.8462	501.2500	1.6762	0.5185	1.0882	0.6915
x		2.9423	3.2679	3.0038	499.9300	1.8368	0.7668	1.1825	0.8264
%RSD		5.7280	1.7986	3.7060	0.3003	8.0446	51.3380	12.2250	59.6070

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	18:04:34	87.23%	0.0619	0.8883	0.0703	3.8985	3.9388	87.85%	0.0000
2	18:05:10	89.07%	0.0830	0.4779	0.0851	3.8722	3.7664	89.72%	0.0000
3	18:05:47	89.29%	0.0795	0.9412	0.0824	3.8919	4.0006	90.15%	0.0000
4	18:06:24	89.32%	0.0599	1.4179	0.0551	3.8100	3.8190	91.01%	0.0000
5	18:07:01	88.91%	0.0486	1.5500	0.0435	3.8629	3.9704	90.30%	0.0000
x		88.77%	0.0666	1.0550	0.0673	3.8671	3.8990	89.81%	0.0000
%RSD		0.98	21.5900	41.0580	26.4550	0.9051	2.5961	1.32	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	18:04:34	4.8407	71.3360	71.9140	T 93.23%	0.1958	0.1916	1.6189	1.6598
2	18:05:10	4.8630	72.8320	71.5180	T 95.56%	0.1973	0.1772	1.5351	1.7113
3	18:05:47	5.1109	73.7980	70.9540	T 96.58%	0.1754	0.1673	1.5314	1.7410
4	18:06:24	4.9299	72.4110	72.1450	T 97.19%	0.1356	0.1367	1.5766	1.6147
5	18:07:01	5.0562	71.5180	71.7070	T 98.02%	0.1065	0.0949	1.5106	1.6262
x		4.9601	72.3790	71.6480	T 96.11%	0.1621	0.1535	1.5545	1.6706
%RSD		2.3975	1.3899	0.6316	T 1.92	24.5710	25.0400	2.7802	3.2538

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:04:34	1.6357	88.49%	-0.1216
2	18:05:10	1.6525	91.51%	-0.1216
3	18:05:47	1.6498	92.97%	-0.1216
4	18:06:24	1.6097	94.24%	-0.1216
5	18:07:01	1.5906	94.95%	-0.1216
x		1.6277	92.43%	-0.1216
%RSD		1.6473	2.77	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	18:10:30	93.09%	-0.0074	T 2451.9000	2434.5000	2488.3000	33.5610	14121.0000	87.24%
2	18:11:07	94.00%	0.0104	T 2496.1000	2534.5000	2518.9000	36.8370	14199.0000	88.87%
3	18:11:44	94.45%	0.0012	T 2522.5000	2552.7000	2574.9000	36.7300	14324.0000	89.98%
4	18:12:20	95.05%	-0.0140	T 2543.5000	2579.7000	2578.7000	34.9480	14472.0000	91.34%
5	18:12:57	94.46%	-0.0004	T 2583.0000	2600.7000	2610.1000	35.2860	14512.0000	91.52%
x		94.21%	-0.0020	T 2519.4000	2540.4000	2554.2000	35.4730	14325.0000	89.79%
%RSD		0.77	452.6000	T 1.9590	2.5331	1.9315	3.8361	1.1793	1.99

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	18:10:30	0.1670	0.0485	0.1722	ID 0.0298	14.5070	8.9173	162.5900	0.1838
2	18:11:07	0.1394	0.2470	0.1346	ID 0.1238	14.5050	10.1540	152.2200	0.1734
3	18:11:44	0.1185	0.2461	0.1026	ID 0.1549	14.4950	9.9697	135.7800	0.1897
4	18:12:20	0.1394	0.1947	0.0552	ID 0.1676	14.4140	4.5739	120.0500	0.1672
5	18:12:57	0.1226	0.0941	0.0788	ID 0.0983	14.4630	3.0901	107.4900	0.1782
x		0.1374	0.1661	0.1087	ID 0.1149	14.4770	7.3411	135.6200	0.1785
%RSD		13.9140	54.5120	42.4100	ID 47.6210	0.2704	44.6820	16.6370	4.9016

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	18:10:30	0.6630	0.8346	0.7186	105.5100	0.4222	0.2088	0.2844	0.3874
2	18:11:07	0.6705	0.8281	0.7323	105.8800	0.3621	0.3452	0.4994	0.5363
3	18:11:44	0.7095	0.8770	0.8279	107.2500	0.4583	-0.1395	0.1800	0.4006
4	18:12:20	0.6174	0.8619	0.7906	105.2800	0.3404	0.0233	0.3071	0.2801
5	18:12:57	0.6439	0.8667	0.7417	104.5300	0.3530	-0.2444	0.2908	-0.3672
x		0.6609	0.8537	0.7622	105.6900	0.3872	0.0387	0.3124	0.2475
%RSD		5.1496	2.4857	5.9903	0.9477	13.0880	626.9900	37.1160	143.6300

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	18:10:30	85.53%	-0.0097	0.2998	-0.0016	0.7987	0.7710	87.00%	0.0000
2	18:11:07	88.15%	0.0241	0.2519	0.0093	0.7838	0.7832	90.18%	0.0000
3	18:11:44	89.79%	0.0119	0.8420	0.0203	0.7633	0.7810	92.73%	0.0000
4	18:12:20	91.11%	0.0057	0.8111	0.0057	0.7746	0.8104	94.18%	0.0000
5	18:12:57	91.65%	0.0087	1.4965	0.0028	0.8259	0.7881	95.33%	0.0000
x		89.24%	0.0081	0.7403	0.0073	0.7893	0.7868	91.88%	0.0000
%RSD		2.78	149.6400	68.2110	113.8900	3.0687	1.8588	3.64	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	18:10:30	0.7279	14.2860	14.0960	T 89.54%	-0.0067	-0.0050	0.2361	0.2922
2	18:11:07	0.8283	14.3710	14.4070	90.95%	-0.0006	0.0110	0.3008	0.3708
3	18:11:44	0.8336	13.5670	14.2390	93.94%	0.0047	0.0058	0.3312	0.3599
4	18:12:20	0.8259	14.8100	14.5640	96.15%	-0.0049	-0.0036	0.3013	0.3253
5	18:12:57	0.7986	14.1300	14.1480	T 100.08%	-0.0147	-0.0112	0.2718	0.3264
x		0.8029	14.2330	14.2910	T 94.13%	-0.0044	-0.0006	0.2882	0.3349
%RSD		5.4871	3.1597	1.3501	T 4.47	163.3200	1459.5000	12.4590	9.3277

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:10:30	0.2967	89.24%	-0.1216
2	18:11:07	0.3239	94.33%	-0.1216
3	18:11:44	0.3365	97.25%	-0.1216
4	18:12:20	0.2971	100.22%	-0.1216
5	18:12:57	0.3010	102.31%	-0.1216
x		0.3110	96.67%	-0.1216
%RSD		5.8279	5.31	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	18:16:27	93.28%	-0.0075	T 12771.0000	13274.0000	T 12778.0000	18.8700	TM 78874.0000	86.30%
2	18:17:04	93.03%	-0.0075	T 13020.0000	T 13049.0000	13635.0000	20.3240	TM 79174.0000	88.37%
3	18:17:41	94.24%	-0.0032	T 13060.0000	13644.0000	T 13049.0000	21.0500	M 78475.0000	88.62%
4	18:18:17	94.06%	0.0014	T 13024.0000	13609.0000	T 13107.0000	20.3830	TM 80838.0000	88.30%
5	18:18:54	95.02%	-0.0110	T 13023.0000	T 13091.0000	T 13095.0000	19.3500	TM 80616.0000	88.40%
x		93.93%	-0.0056	T 12980.0000	T 13333.0000	T 13133.0000	19.9950	TM 79595.0000	88.00%
%RSD		0.85	85.2840	T 0.9074	T 2.1059	T 2.3694	4.3694	TM 1.3382	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	18:16:27	0.3353	0.4328	0.5993	ID 0.6976	70.9950	19.3180	754.1400	0.8367
2	18:17:04	0.2499	0.2323	0.5902	ID 0.7407	70.3880	18.1340	685.3900	0.8075
3	18:17:41	0.2614	0.6201	0.5832	ID 0.8477	70.3020	17.4980	675.9100	0.8050
4	18:18:17	0.2439	0.5196	0.5574	ID 0.8751	70.5280	16.3030	610.7100	0.8667
5	18:18:54	0.2329	0.4606	0.5506	ID 0.7493	71.1730	16.0130	608.4700	0.7508
x		0.2647	0.4531	0.5761	ID 0.7821	70.6770	17.4530	666.9300	0.8133
%RSD		15.4100	31.5130	3.6716	ID 9.6698	0.5450	7.7619	9.0605	5.2924

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	18:16:27	3.0693	3.2997	3.1905	499.3600	1.9093	0.6027	1.1650	0.8598
2	18:17:04	2.8582	3.2595	3.0955	495.2200	1.9360	0.7791	1.5158	0.4617
3	18:17:41	2.8544	3.3230	3.2099	497.3600	1.8585	0.4075	1.4723	0.5957
4	18:18:17	2.7555	3.1938	3.2738	496.2800	1.7415	0.6792	1.4774	0.6331
5	18:18:54	2.6707	3.2838	3.0674	501.3200	1.7073	0.6051	0.9199	0.6686
x		2.8416	3.2719	3.1674	497.9100	1.8305	0.6147	1.3101	0.6438
%RSD		5.2467	1.5107	2.6802	0.4918	5.5473	22.1770	19.8280	22.3560

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	18:16:27	85.59%	0.0321	0.2609	0.0290	4.2942	4.3027	86.64%	0.0000
2	18:17:04	88.47%	0.0493	1.1450	0.0474	4.3323	4.3289	89.29%	0.0000
3	18:17:41	88.32%	0.0518	0.0930	0.0607	4.3441	4.2756	90.38%	0.0000
4	18:18:17	89.05%	0.0405	1.1155	0.0505	4.3482	4.2852	90.56%	0.0000
5	18:18:54	88.17%	0.0343	0.7700	0.0266	4.3027	4.3148	90.07%	0.0000
x		87.92%	0.0416	0.6769	0.0428	4.3243	4.3014	89.39%	0.0000
%RSD		1.53	21.0920	71.3940	34.1690	0.5663	0.5025	1.80	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	18:16:27	5.0531	72.9690	73.7420	91.45%	0.0441	0.0427	1.7976	1.8847
2	18:17:04	5.3757	73.8290	73.4510	94.58%	0.0537	0.0567	1.8273	2.0704
3	18:17:41	5.2329	73.2370	73.0730	T 98.63%	0.0484	0.0571	1.8946	1.9873
4	18:18:17	5.2575	73.0960	73.7780	96.02%	0.0484	0.0504	1.8496	1.9858
5	18:18:54	5.2815	72.7460	72.1520	T 98.86%	0.0533	0.0437	1.8580	1.9764
x		5.2401	73.1750	73.2390	T 95.91%	0.0496	0.0501	1.8455	1.9809
%RSD		2.2463	0.5569	0.9154	T 3.20	7.9901	13.6910	1.9555	3.3246

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:16:27	1.8810	91.58%	-0.1216
2	18:17:04	1.9203	95.29%	-0.1216
3	18:17:41	1.9264	97.16%	-0.1216
4	18:18:17	1.9291	98.05%	0.5088
5	18:18:54	1.9276	97.47%	-0.1216
x		1.9169	95.91%	0.0045
%RSD		1.0603	2.74	6333.7000

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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	18:22:24	93.33%	-0.0105	T 11829.0000	12405.0000	T 12073.0000	15.3070	TM 77446.0000	84.60%
2	18:23:01	93.88%	-0.0076	T 12079.0000	12585.0000	12652.0000	15.7640	TM 77929.0000	85.34%
3	18:23:38	94.01%	-0.0061	T 12233.0000	12802.0000	T 12367.0000	15.8780	TM 79105.0000	85.28%
4	18:24:14	93.64%	-0.0106	T 12366.0000	12863.0000	13006.0000	15.4340	TM 79296.0000	86.76%
5	18:24:51	93.74%	-0.0091	T 12364.0000	12959.0000	T 12456.0000	15.2590	TM 79593.0000	86.25%
x		93.72%	-0.0088	T 12174.0000	12723.0000	T 12511.0000	15.5280	TM 78674.0000	85.65%
%RSD		0.28	22.0000	T 1.8577	1.7639	T 2.7689	1.7866	TM 1.1854	1.00

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	18:22:24	0.3248	0.9251	0.6284	ID 0.6705	64.6520	15.4590	907.8800	0.6854
2	18:23:01	0.2651	0.5852	0.5735	ID 0.5742	64.6900	15.3320	736.3600	0.6626
3	18:23:38	0.2571	0.4414	0.5783	ID 0.6579	65.2360	11.5750	740.7100	0.7197
4	18:24:14	0.2264	0.3646	0.5301	ID 0.6554	64.8350	11.2840	666.8200	0.6792
5	18:24:51	0.2202	0.4997	0.5731	ID 0.7081	64.6110	9.9469	641.4000	0.6680
x		0.2587	0.5632	0.5767	ID 0.6532	64.8050	12.7190	738.6300	0.6830
%RSD		16.0940	38.6710	6.0476	ID 7.4919	0.3943	19.8070	14.0810	3.2825

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	18:22:24	3.2093	2.5727	2.7897	595.5000	1.4869	1.0121	1.6216	1.5450
2	18:23:01	3.0235	2.4894	2.6155	589.6200	1.7199	0.4358	1.5334	-0.2881
3	18:23:38	3.2032	2.5447	2.6147	596.3400	1.4107	0.2753	1.4862	0.2187
4	18:24:14	2.8535	2.5244	2.5417	595.3500	1.3060	0.2218	1.2092	0.7859
5	18:24:51	2.9761	2.5906	2.6581	596.5800	1.5664	0.3686	1.4861	0.3818
x		3.0531	2.5443	2.6440	594.6800	1.4980	0.4627	1.4673	0.5287
%RSD		5.0095	1.5670	3.4651	0.4836	10.4790	68.7340	10.5310	129.8100

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	18:22:24	81.67%	0.0308	-1.3766	0.0291	4.7590	4.6573	82.76%	0.0000
2	18:23:01	83.97%	0.0393	0.5232	0.0462	4.6147	4.7201	85.19%	0.0000
3	18:23:38	84.99%	0.0547	0.6954	0.0487	4.8023	4.7392	86.13%	0.0000
4	18:24:14	85.68%	0.0427	0.4546	0.0338	4.6683	4.6888	87.39%	0.0000
5	18:24:51	85.82%	0.0254	0.4496	0.0310	4.7047	4.6926	88.10%	0.0000
x		84.43%	0.0386	0.1492	0.0378	4.7098	4.6996	85.91%	0.0000
%RSD		2.02	29.2880	575.4800	23.9660	1.5666	0.6677	2.43	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	18:22:24	5.3943	67.8180	67.9750	85.81%	0.0446	0.0451	1.4981	1.4917
2	18:23:01	5.6631	66.8870	66.9570	89.13%	0.0556	0.0572	1.4620	1.6066
3	18:23:38	5.4850	66.9210	65.8710	T 93.16%	0.0475	0.0618	1.5012	1.5675
4	18:24:14	5.5403	67.0610	67.1650	91.88%	0.0492	0.0571	1.4913	1.5411
5	18:24:51	5.4721	66.8440	67.2780	93.28%	0.0444	0.0517	1.4511	1.7248
x		5.5110	67.1060	67.0490	T 90.65%	0.0483	0.0546	1.4808	1.5863
%RSD		1.8098	0.6054	1.1357	T 3.51	9.4629	11.7600	1.5339	5.5444

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:22:24	1.5536	86.19%	-0.1216
2	18:23:01	1.5503	89.63%	-0.1216
3	18:23:38	1.5700	91.82%	-0.1216
4	18:24:14	1.5196	93.36%	-0.1216
5	18:24:51	1.5659	94.16%	-0.1216
x		1.5519	91.03%	-0.1216
%RSD		1.2775	3.53	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	18:28:22	93.38%	-0.0105	T 18322.0000	T 18310.0000	T 18383.0000	3.9696	TM 84182.0000	85.41%
2	18:28:59	93.33%	-0.0121	T 18670.0000	T 18620.0000	T 18767.0000	4.0591	TM 84797.0000	86.93%
3	18:29:36	94.87%	-0.0064	T 18844.0000	T 18735.0000	T 18741.0000	4.2726	TM 84245.0000	88.22%
4	18:30:12	95.26%	-0.0140	T 19084.0000	T 18968.0000	T 18926.0000	4.2484	TM 85125.0000	89.25%
5	18:30:49	95.68%	-0.0141	T 19122.0000	T 18946.0000	T 18917.0000	4.0735	TM 86181.0000	88.99%
x		94.50%	-0.0114	T 18808.0000	T 18716.0000	T 18747.0000	4.1246	TM 84906.0000	87.76%
%RSD		1.15	27.7220	T 1.7468	T 1.4411	T 1.1746	3.1642	TM 0.9582	1.81

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	18:28:22	0.2632	1.0930	0.4251	ID 0.4393	143.4200	9.9385	799.9800	0.7936
2	18:28:59	0.2038	0.7474	0.4267	ID 0.3255	142.3300	8.9497	747.9400	0.7187
3	18:29:36	0.1842	0.5602	0.4120	ID 0.4396	144.0900	7.3867	715.9200	0.7546
4	18:30:12	0.1720	0.6861	0.4074	ID 0.2999	141.7000	5.9439	626.7000	0.6941
5	18:30:49	0.1588	0.3848	0.4360	ID 0.3604	142.7700	4.9703	642.8500	0.7899
x		0.1964	0.6943	0.4214	ID 0.3730	142.8600	7.4378	706.6800	0.7502
%RSD		20.8000	37.8090	2.7546	ID 17.2610	0.6513	27.6050	10.2440	5.8172

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	18:28:22	2.7258	1.0215	0.9571	156.7100	0.6774	-0.6567	0.5922	0.5456
2	18:28:59	2.6239	1.0120	0.9517	156.0900	1.0600	-0.1752	0.5588	1.3004
3	18:29:36	2.8523	1.0534	0.8762	156.3200	0.6472	-0.7824	0.6248	0.5032
4	18:30:12	2.5391	1.0876	0.9048	154.7800	0.8400	-0.4155	-0.1451	1.5331
5	18:30:49	2.3951	1.0807	0.8163	156.4600	1.1188	-0.6552	0.8011	-0.6809
x		2.6272	1.0511	0.9012	156.0700	0.8687	-0.5370	0.4864	0.6403
%RSD		6.6481	3.2328	6.4534	0.4844	24.7990	45.0620	75.0840	135.4000

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	18:28:22	83.61%	-0.0060	0.1006	0.0032	1.1932	1.2492	85.15%	0.0000
2	18:28:59	86.07%	0.0096	0.3210	-0.0014	1.3039	1.2088	87.90%	0.0000
3	18:29:36	87.45%	0.0069	1.1159	0.0103	1.2826	1.2493	90.10%	0.0000
4	18:30:12	88.98%	0.0078	1.5758	0.0067	1.2762	1.2634	91.05%	0.0000
5	18:30:49	89.75%	-0.0048	1.6467	0.0068	1.3637	1.1979	92.02%	0.0000
x		87.17%	0.0027	0.9520	0.0051	1.2839	1.2337	89.25%	0.0000
%RSD		2.80	276.0200	74.6790	86.3880	4.7773	2.3162	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	18:28:22	0.6654	124.2900	124.5700	T 91.79%	-0.0126	-0.0109	0.0266	0.0253
2	18:28:59	0.6750	127.3400	128.6900	92.81%	-0.0026	-0.0045	0.0119	0.0300
3	18:29:36	0.6023	125.9500	126.2000	T 98.23%	-0.0140	-0.0100	0.0392	0.0121
4	18:30:12	0.6888	126.3600	124.9300	T 99.23%	-0.0223	-0.0106	0.0316	0.0265
5	18:30:49	0.7142	127.0600	125.6800	T 100.63%	-0.0102	-0.0115	0.0294	0.0315
x		0.6692	126.2000	126.0100	T 96.54%	-0.0123	-0.0095	0.0278	0.0251
%RSD		6.2199	0.9513	1.2882	T 4.12	57.4920	30.2170	36.0660	30.6130

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:28:22	0.0206	88.27%	-0.1216
2	18:28:59	0.0209	92.96%	-0.1216
3	18:29:36	0.0295	95.56%	-0.1216
4	18:30:12	0.0265	97.55%	-0.1216
5	18:30:49	0.0296	99.00%	-0.1216
x		0.0254	94.67%	-0.1216
%RSD		17.4470	4.47	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	18:34:18	93.25%	-0.0013	T 9659.6000	10002.0000	9846.2000	9.8658	M 74798.0000	84.49%
2	18:34:55	94.28%	-0.0077	T 9754.6000	10154.0000	10179.0000	9.7205	M 75405.0000	84.47%
3	18:35:32	94.44%	-0.0138	T 9915.9000	10346.0000	10390.0000	9.7413	M 76311.0000	85.79%
4	18:36:08	94.10%	-0.0137	T 9956.7000	10272.0000	10309.0000	9.8935	M 76689.0000	85.29%
5	18:36:45	94.03%	-0.0152	T 9933.4000	10367.0000	T 10073.0000	9.9186	TM 78253.0000	85.25%
x		94.02%	-0.0103	T 9844.0000	10228.0000	T 10160.0000	9.8279	TM 76291.0000	85.06%
%RSD		0.49	56.4190	T 1.3230	1.4808	T 2.0980	0.9240	TM 1.7364	0.67

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	18:34:18	0.3010	0.7674	0.6762	ID 0.7374	28.8590	16.2620	781.1300	0.6438
2	18:34:55	0.2733	0.1484	0.6240	ID 0.6808	29.2040	16.1910	732.0200	0.6477
3	18:35:32	0.2330	0.0644	0.5935	ID 0.8749	28.9680	12.7170	720.8300	0.6467
4	18:36:08	0.2618	0.0118	0.6051	ID 0.7966	29.1250	11.0940	645.9400	0.6270
5	18:36:45	0.2365	0.1069	0.5767	ID 0.6807	28.9650	11.5480	615.1300	0.6142
x		0.2611	0.2198	0.6151	ID 0.7541	29.0240	13.5620	699.0100	0.6359
%RSD		10.7250	141.1800	6.2177	ID 10.9820	0.4767	18.4570	9.6399	2.3198

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	18:34:18	2.7968	2.5991	2.7647	877.9000	1.4688	1.3205	1.5327	0.4034
2	18:34:55	2.8573	2.7227	2.7950	878.8900	1.5720	1.0726	1.8506	0.5360
3	18:35:32	2.8291	2.7407	2.8249	877.8800	1.3757	0.5873	1.7615	0.3437
4	18:36:08	2.5986	2.5593	2.9384	875.9600	1.5089	1.0424	2.2816	0.2629
5	18:36:45	2.7759	2.6723	2.7064	888.0100	1.3404	0.3358	1.6579	1.5717
x		2.7715	2.6588	2.8059	879.7300	1.4532	0.8717	1.8169	0.6235
%RSD		3.6637	2.9405	3.0675	0.5400	6.5470	45.8540	15.7190	86.4970

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	18:34:18	82.21%	0.0106	0.3689	0.0037	6.2539	6.2839	83.77%	0.0000
2	18:34:55	83.98%	0.0255	0.5985	0.0182	6.2364	6.2327	85.77%	0.0000
3	18:35:32	85.16%	0.0231	0.7024	0.0137	6.3670	6.2531	87.50%	0.0000
4	18:36:08	85.59%	0.0119	0.7199	0.0228	6.1372	6.1985	87.91%	0.0000
5	18:36:45	84.95%	0.0194	0.7121	0.0085	6.4265	6.2930	87.82%	0.0000
x		84.38%	0.0181	0.6203	0.0134	6.2842	6.2522	86.55%	0.0000
%RSD		1.60	36.5640	24.0140	56.7260	1.8130	0.6162	2.06	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	18:34:18	6.8316	43.2320	42.3000	86.61%	0.0632	0.0593	2.6018	2.9406
2	18:34:55	6.8830	42.7690	42.9020	89.76%	0.0587	0.0508	2.6894	2.8473
3	18:35:32	6.9020	41.4460	42.8890	T 94.89%	0.0450	0.0428	2.6691	2.8034
4	18:36:08	6.8195	42.3420	42.3840	92.61%	0.0574	0.0505	2.6590	2.9356
5	18:36:45	7.0201	43.1030	42.9700	92.88%	0.0520	0.0524	2.6273	2.8962
x		6.8912	42.5780	42.6890	T 91.35%	0.0553	0.0512	2.6493	2.8846
%RSD		1.1586	1.6924	0.7489	T 3.52	12.6980	11.5050	1.3124	2.0404

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:34:18	2.6831	88.85%	-0.1216
2	18:34:55	2.7706	92.53%	-0.1216
3	18:35:32	2.7252	94.95%	-0.1216
4	18:36:08	2.7542	95.53%	-0.1216
5	18:36:45	2.7695	96.10%	0.5216
x		2.7405	93.59%	0.0070
%RSD		1.3491	3.18	4104.8000

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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	18:40:12	90.23%	-0.0145	T 9381.7000	9610.2000	9700.3000	31.6430	M 63685.0000	81.67%
2	18:40:48	91.15%	-0.0115	T 9537.3000	9869.3000	9993.0000	31.8720	M 64266.0000	83.18%
3	18:41:25	92.51%	-0.0180	T 9578.9000	9955.2000	10075.0000	31.5380	M 64082.0000	85.48%
4	18:42:02	92.25%	-0.0103	T 9717.8000	10078.0000	10159.0000	32.0020	M 65242.0000	84.99%
5	18:42:38	94.01%	-0.0122	T 9718.7000	10058.0000	10102.0000	31.6970	M 65064.0000	86.06%
x		92.03%	-0.0133	T 9586.9000	9914.1000	10006.0000	31.7500	M 64468.0000	84.28%
%RSD		1.56	22.9760	T 1.4672	1.9112	1.8071	0.5849	M 1.0277	2.15

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	18:40:12	0.3357	0.7072	0.6457	ID 1.0834	36.4680	22.0490	675.3400	0.6552
2	18:40:48	0.2673	0.6635	0.6543	ID 0.9825	36.9290	23.2790	635.2400	0.6572
3	18:41:25	0.2468	0.9351	0.6302	ID 0.9941	36.4340	19.0540	575.6600	0.5989
4	18:42:02	0.2294	0.5247	0.6366	ID 0.9767	36.5870	18.8890	527.7100	0.6322
5	18:42:38	0.2209	0.6454	0.5767	ID 0.9539	36.4680	19.2540	536.4200	0.6023
x		0.2600	0.6952	0.6287	ID 0.9981	36.5770	20.5050	590.0800	0.6291
%RSD		17.6530	21.6090	4.8483	ID 4.9960	0.5602	9.8636	10.8140	4.4304

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	18:40:12	3.3114	4.7575	4.4675	497.7800	1.2201	0.5470	0.9060	0.5316
2	18:40:48	3.4314	4.8889	4.6080	499.7800	1.2921	0.1879	0.6524	1.3174
3	18:41:25	3.2656	4.8318	4.3795	493.1100	1.2611	0.2766	0.8493	0.6987
4	18:42:02	3.2514	4.9617	4.5426	496.9500	1.1416	0.1106	0.6772	1.2361
5	18:42:38	3.3523	4.8239	4.4938	495.2500	1.4287	0.0965	0.8096	0.9927
x		3.3224	4.8528	4.4983	496.5800	1.2687	0.2437	0.7789	0.9553
%RSD		2.1895	1.5796	1.8956	0.5093	8.3342	75.5440	14.1220	35.3710

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	18:40:12	79.66%	0.3540	-0.0274	0.3622	5.6820	5.7718	80.29%	0.0000
2	18:40:48	82.23%	0.4010	-0.1986	0.3732	5.8422	5.7643	83.53%	0.0000
3	18:41:25	84.79%	0.3578	1.2239	0.3804	5.7790	5.5621	86.32%	0.0000
4	18:42:02	84.94%	0.3886	1.8404	0.3718	5.8487	5.5797	86.69%	0.0000
5	18:42:38	85.65%	0.3373	0.2417	0.3845	5.7491	5.6796	87.37%	0.0000
x		83.45%	0.3677	0.6160	0.3744	5.7802	5.6715	84.84%	0.0000
%RSD		2.98	7.1374	142.6000	2.2923	1.1968	1.7435	3.46	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	18:40:12	6.1180	60.1630	59.9880	84.22%	0.0351	0.0415	0.3548	0.3528
2	18:40:48	6.1623	59.9280	59.2760	88.46%	0.0387	0.0410	0.4010	0.4212
3	18:41:25	6.1966	60.7880	59.6670	90.98%	0.0511	0.0514	0.4177	0.4234
4	18:42:02	6.0491	58.6210	59.0860	T 95.75%	0.0565	0.0430	0.3392	0.3578
5	18:42:38	6.0479	59.7120	59.5590	T 96.44%	0.0329	0.0453	0.3805	0.4109
x		6.1148	59.8420	59.5150	T 91.17%	0.0428	0.0444	0.3786	0.3932
%RSD		1.0891	1.3242	0.5880	T 5.61	24.1690	9.5594	8.5061	8.8977

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:40:12	0.3649	83.21%	-0.1216
2	18:40:48	0.4069	87.53%	-0.1216
3	18:41:25	0.3983	90.37%	-0.1216
4	18:42:02	0.3707	92.23%	-0.1216
5	18:42:38	0.3857	93.41%	-0.1216
x		0.3853	89.35%	-0.1216
%RSD		4.6186	4.58	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	18:46:07	93.50%	-0.0152	4.7520	5.8837	5.1581	-0.0677	16.9810	88.52%
2	18:46:44	96.23%	-0.0201	4.3788	4.4941	4.5962	-0.1049	18.9290	90.73%
3	18:47:20	95.47%	-0.0126	4.8509	4.8792	4.7952	-0.0648	21.1950	91.90%
4	18:47:57	95.64%	-0.0216	4.9219	4.0575	4.5089	-0.0790	16.8680	92.55%
5	18:48:34	97.05%	-0.0188	6.0401	5.3344	5.8210	0.0753	19.9710	92.96%
x		95.58%	-0.0177	4.9887	4.9298	4.9759	-0.0482	18.7890	91.33%
%RSD		1.38	20.8600	12.5050	14.4400	10.7400	146.9000	10.0150	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	18:46:07	0.1186	0.0103	-0.0210	ID -0.0490	-0.0012	-2.4814	-4.8270	-0.0146
2	18:46:44	0.0613	-0.0094	-0.0344	ID -0.1731	0.0124	-4.6755	-10.4090	-0.0101
3	18:47:20	0.0862	0.0597	-0.0070	ID -0.1693	0.0003	-5.3678	-10.0300	-0.0141
4	18:47:57	0.0394	-0.0373	-0.0057	ID -0.1000	-0.0028	-4.7536	-12.3610	-0.0141
5	18:48:34	0.0931	-0.0795	-0.0503	ID -0.0925	0.0088	-5.5432	-13.8270	-0.0110
x		0.0797	-0.0112	-0.0237	ID -0.1168	0.0035	-4.5643	-10.2910	-0.0128
%RSD		38.1570	463.5700	79.9680	ID 45.6960	192.1600	26.8130	33.2120	16.1130

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	18:46:07	-0.0021	0.0202	0.0040	0.1079	-0.0536	-0.4341	-0.2044	0.5006
2	18:46:44	-0.0066	0.0110	-0.0244	0.1374	0.0300	0.0009	-0.0124	0.2143
3	18:47:20	-0.0187	0.0364	-0.0107	0.0900	-0.0178	-0.3590	-0.0418	0.2915
4	18:47:57	-0.0136	0.0453	-0.0067	0.0963	0.0109	-0.6215	0.0848	-0.6283
5	18:48:34	-0.0165	0.0250	-0.0350	0.1372	0.0293	-0.5352	0.0854	0.4324
x		-0.0115	0.0276	-0.0146	0.1138	-0.0002	-0.3898	-0.0177	0.1621
%RSD		60.6420	48.9330	104.8900	19.7070	14876.0000	61.5790	673.3200	281.3100

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	18:46:07	89.10%	-0.0076	-0.6012	-0.0058	-0.0088	-0.0105	90.94%	0.0000
2	18:46:44	91.28%	-0.0070	-0.1499	-0.0012	-0.0047	-0.0132	94.05%	0.0000
3	18:47:20	92.43%	-0.0033	0.1961	-0.0060	-0.0048	-0.0115	96.26%	0.0000
4	18:47:57	94.13%	0.0005	0.5145	0.0006	-0.0089	-0.0132	96.79%	0.0000
5	18:48:34	93.49%	0.0098	0.2322	0.0096	0.0014	-0.0073	96.49%	0.0000
x		92.09%	-0.0015	0.0384	-0.0006	-0.0052	-0.0111	94.90%	0.0000
%RSD		2.16	470.8200	1116.0000	1120.1000	81.2750	22.0330	2.60	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	18:46:07	-0.2438	-0.0100	-0.0107	92.08%	-0.0548	-0.0486	-0.0015	-0.0201
2	18:46:44	-0.2432	-0.0058	0.0092	T 99.28%	-0.0553	-0.0506	-0.0112	-0.0285
3	18:47:20	-0.2307	-0.0128	-0.0200	T 100.99%	-0.0575	-0.0539	-0.0119	-0.0218
4	18:47:57	-0.2323	-0.0253	-0.0165	T 100.95%	-0.0571	-0.0479	-0.0199	-0.0118
5	18:48:34	-0.2265	-0.0314	0.0046	T 100.98%	-0.0484	-0.0480	-0.0120	-0.0090
x		-0.2353	-0.0171	-0.0067	T 98.86%	-0.0546	-0.0498	-0.0113	-0.0182
%RSD		3.3099	63.4550	193.7000	T 3.91	6.6743	5.1278	57.6890	43.1800

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:46:07	-0.0141	98.41%	-0.1216
2	18:46:44	-0.0177	102.50%	-0.1216
3	18:47:20	-0.0175	105.38%	-0.1216
4	18:47:57	-0.0161	105.85%	-0.1216
5	18:48:34	-0.0143	105.80%	-0.1216
x		-0.0159	103.59%	-0.1216
%RSD		10.5260	3.10	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	18:52:01	90.25%	249.1500	971.6900	978.7200	971.5400	239.3700	979.8300	84.47%
2	18:52:38	89.84%	251.4100	981.3800	984.2600	996.8300	242.5100	986.2900	84.61%
3	18:53:14	90.14%	249.2200	988.3100	991.3200	990.6500	240.5100	995.7100	85.53%
4	18:53:51	89.33%	251.4700	1004.9000	1011.1000	1008.2000	246.6900	987.3600	85.56%
5	18:54:28	90.66%	248.3800	999.5400	1015.5000	995.5000	241.0200	981.0500	86.28%
x		90.04%	249.9200	989.1700	996.1800	992.5400	242.0200	986.0500	85.29%
%RSD		0.55	0.5689	1.3591	1.6392	1.3485	1.1746	0.6390	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	18:52:01	0.2862	240.3600	239.8100	ID 43.9730	238.0800	1005.7000	980.2700	245.6800
2	18:52:38	0.0907	243.7000	240.8000	ID 44.4930	239.7600	1010.8000	1003.2000	245.4500
3	18:53:14	0.0634	241.8200	240.1100	ID 44.2230	236.5800	1001.9000	1000.4000	243.4600
4	18:53:51	0.0220	243.2300	240.7900	ID 44.7050	237.9200	1014.9000	1004.9000	244.6500
5	18:54:28	0.0700	242.6000	240.3700	ID 44.7290	239.2700	1011.9000	996.4300	244.4100
x		0.1065	242.3400	240.3800	ID 44.4250	238.3200	1009.0000	997.0400	244.7300
%RSD		97.2520	0.5421	0.1796	ID 0.7303	0.5231	0.5146	0.9934	0.3617

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	18:52:01	247.7200	242.3000	242.4600	242.1400	240.6600	241.9200	241.6800	0.4158
2	18:52:38	247.1900	243.0100	245.1100	243.5100	241.8000	244.1700	240.1900	0.1540
3	18:53:14	242.6900	239.9300	241.9200	241.4700	241.3200	236.9000	241.1800	1.1865
4	18:53:51	244.5900	241.0400	243.5200	243.4600	240.8700	236.9300	238.1800	-0.2359
5	18:54:28	241.9600	241.2000	242.5700	243.2200	239.7100	238.4400	239.2100	-0.1946
x		244.8300	241.5000	243.1200	242.7600	240.8700	239.6700	240.0900	0.2652
%RSD		1.0565	0.4937	0.5159	0.3755	0.3259	1.3521	0.5948	218.7900

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	18:52:01	83.58%	242.8300	2.4970	242.7500	243.7300	241.0100	85.27%	0.0000
2	18:52:38	85.02%	241.9800	0.1415	240.9900	243.0900	242.3800	87.34%	0.0000
3	18:53:14	85.88%	242.1400	-0.0289	241.6000	242.7800	241.8600	88.78%	0.0000
4	18:53:51	86.40%	241.9300	2.4516	242.5100	245.8400	242.1700	89.17%	0.0000
5	18:54:28	87.04%	241.3300	-1.2037	240.3500	244.2800	241.3600	90.59%	0.0000
x		85.59%	242.0400	0.7715	241.6400	243.9400	241.7600	88.23%	0.0000
%RSD		1.57	0.2221	212.3800	0.4172	0.4963	0.2345	2.29	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	18:52:01	237.8200	248.8200	245.3300	85.80%	243.2200	238.1900	244.3200	242.9800
2	18:52:38	239.4200	241.3200	241.3400	T 91.21%	243.8000	237.6200	243.2700	245.1100
3	18:53:14	240.4800	242.2200	244.6800	90.00%	244.0900	238.6500	244.3500	243.2300
4	18:53:51	242.2300	245.0000	245.5800	90.91%	243.9200	239.3900	245.1800	244.9500
5	18:54:28	239.5900	241.2400	238.9800	T 94.77%	242.8600	238.8200	243.8300	244.5200
x		239.9100	243.7200	243.1800	T 90.54%	243.5800	238.5300	244.1900	244.1600
%RSD		0.6728	1.3257	1.1932	T 3.54	0.2124	0.2798	0.2883	0.4045

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:52:01	241.6700	91.38%	-0.1216
2	18:52:38	242.8900	94.33%	-0.1216
3	18:53:14	241.8100	96.54%	-0.1216
4	18:53:51	242.5400	97.71%	-0.1216
5	18:54:28	242.2100	99.50%	-0.1216
x		242.2200	95.89%	-0.1216
%RSD		0.2074	3.28	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	18:57:56	88.52%	0.0180	0.4036	0.6453	0.3883	-0.1899	2.8223	83.94%
2	18:58:33	90.26%	0.0185	0.5873	0.9645	0.3428	-0.2331	1.7172	86.75%
3	18:59:10	90.77%	0.0166	0.8546	0.7333	1.0974	-0.0646	4.0514	87.97%
4	18:59:47	92.86%	0.0293	1.0974	1.2648	1.9945	-0.0339	5.8346	88.92%
5	19:00:24	93.67%	0.0287	1.2366	1.4423	0.4583	-0.0594	5.9447	89.97%
x		91.22%	0.0222	0.8359	1.0100	0.8563	-0.1162	4.0740	87.51%
%RSD		2.27	28.1070	41.3510	33.7010	82.4680	76.7050	45.4600	2.65

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	18:57:56	0.0857	0.0030	-0.0175	ID -0.1235	-0.0037	-8.2043	-3.9934	0.0047
2	18:58:33	0.0552	0.0121	-0.0397	ID -0.0881	-0.0044	-10.1630	-5.3079	0.0046
3	18:59:10	0.0781	0.0046	-0.0248	ID -0.1005	0.0239	-10.1750	-3.6219	0.0229
4	18:59:47	0.0656	0.0631	0.0074	ID -0.0845	0.0454	-10.5170	-6.0706	0.0396
5	19:00:24	0.0382	0.0350	-0.0079	ID -0.0796	0.0192	-10.8530	-6.1471	0.0433
x		0.0646	0.0236	-0.0165	ID -0.0952	0.0161	-9.9827	-5.0282	0.0230
%RSD		29.0980	108.1700	107.2100	ID 18.4850	129.4500	10.3580	23.2470	80.2240

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	18:57:56	0.0051	0.0701	0.0536	-0.1355	0.0560	-0.0573	0.3289	-0.7225
2	18:58:33	0.0147	0.0578	0.0237	-0.1053	0.0412	-0.0061	0.1137	0.2990
3	18:59:10	0.0193	0.0388	0.0670	-0.1361	0.0902	-0.0614	0.2750	-0.6980
4	18:59:47	0.0182	0.0801	0.0135	-0.1308	0.0401	0.1456	-0.1296	-0.1616
5	19:00:24	0.0315	0.0580	0.0413	0.0190	0.0432	-0.2535	-0.0997	0.9081
x		0.0178	0.0610	0.0398	-0.0977	0.0541	-0.0465	0.0977	-0.0750
%RSD		53.4790	25.3700	54.4940	68.0170	39.0530	307.2700	214.5800	924.2400

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	18:57:56	82.71%	-0.0031	-1.5611	0.0090	0.0122	0.0075	85.15%	0.0000
2	18:58:33	86.15%	-0.0011	-0.5428	0.0003	0.0201	0.0093	88.75%	0.0000
3	18:59:10	88.21%	0.0020	-0.8042	0.0098	0.0321	0.0205	91.62%	0.0000
4	18:59:47	89.56%	0.0154	0.2953	0.0106	0.0145	0.0349	92.76%	0.0000
5	19:00:24	91.37%	0.0112	0.2797	0.0187	0.0498	0.0351	94.12%	0.0000
x		87.60%	0.0049	-0.4666	0.0097	0.0258	0.0214	90.48%	0.0000
%RSD		3.81	163.8500	167.9000	67.7620	60.2170	62.1630	3.95	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	18:57:56	0.1103	-0.0212	-0.0083	84.17%	-0.0254	-0.0167	-0.0023	0.0091
2	18:58:33	0.2643	-0.0157	-0.0020	88.63%	-0.0274	-0.0202	0.0087	0.0049
3	18:59:10	0.1436	0.0162	0.0267	92.56%	-0.0047	-0.0007	0.0288	0.0306
4	18:59:47	0.1786	0.0412	0.0294	94.44%	0.0209	0.0274	0.0350	0.0357
5	19:00:24	0.0789	0.0574	0.0092	T 99.32%	-0.0022	0.0158	0.0468	0.0346
x		0.1552	0.0156	0.0110	T 91.83%	-0.0078	0.0011	0.0234	0.0230
%RSD		46.0490	221.0400	152.6800	T 6.26	254.1900	1821.5000	85.0100	64.3750

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	18:57:56	0.0047	90.06%	-0.1216
2	18:58:33	0.0083	94.66%	-0.1216
3	18:59:10	0.0291	98.54%	0.5056
4	18:59:47	0.0345	101.79%	-0.1216
5	19:00:24	0.0377	103.01%	-0.1216
x		0.0228	97.61%	0.0038
%RSD		66.9450	5.45	7347.6000

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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	19:03:53	93.31%	0.0002	T 9546.4000	9807.1000	9843.9000	4.7212	TM 76127.0000	84.93%
2	19:04:30	93.53%	-0.0030	T 9626.8000	9933.8000	10101.0000	4.6852	M 74768.0000	86.21%
3	19:05:08	93.45%	0.0047	T 9832.7000	10102.0000	10261.0000	4.8841	TM 77305.0000	85.81%
4	19:05:50	94.47%	0.0224	T 9771.1000	10077.0000	10141.0000	5.1348	M 75330.0000	86.11%
5	19:06:26	94.52%	0.0300	T 9726.1000	10086.0000	10159.0000	5.0207	TM 77834.0000	85.99%
x		93.86%	0.0109	T 9700.6000	10001.0000	10101.0000	4.8892	TM 76273.0000	85.81%
%RSD		0.63	133.4200	T 1.1787	1.2779	1.5393	3.9275	TM 1.6939	0.60

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	19:03:53	0.2201	0.1284	0.5175	ID 0.1812	26.5210	-0.8752	706.3100	0.4262
2	19:04:30	0.2313	0.4266	0.4696	ID 0.2008	26.3870	-3.8779	604.8900	0.4133
3	19:05:08	0.2199	0.0769	0.5231	ID 0.2417	26.3720	-4.3808	607.6200	0.4572
4	19:05:50	0.1794	0.2669	0.4826	ID 0.2667	26.3540	-4.2069	573.1900	0.4364
5	19:06:26	0.1988	0.2836	0.5094	ID 0.2453	26.6910	-4.4212	556.9200	0.4554
x		0.2099	0.2365	0.5004	ID 0.2271	26.4650	-3.5524	609.7900	0.4377
%RSD		9.8692	58.4410	4.6395	ID 15.4370	0.5383	42.5590	9.5202	4.3083

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	19:03:53	2.7764	2.7823	3.0301	849.8400	1.3831	0.9972	1.5669	1.6982
2	19:04:30	2.4955	2.7058	2.9030	849.8400	1.3717	0.8164	2.0207	0.1723
3	19:05:08	2.5748	2.8305	3.0182	854.7600	1.5386	0.6952	1.6243	1.0723
4	19:05:50	2.5176	2.7924	2.8300	859.9100	1.5987	0.4169	2.0521	0.6095
5	19:06:26	2.4454	2.7434	2.9491	853.2300	1.6048	0.5406	1.9397	-0.1022
x		2.5619	2.7709	2.9461	853.5200	1.4994	0.6932	1.8407	0.6900
%RSD		5.0186	1.7253	2.8205	0.4886	7.6293	32.8330	12.4090	104.1200

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	19:03:53	83.90%	0.0092	0.0165	0.0063	5.8995	5.9373	85.97%	0.0000
2	19:04:30	86.06%	0.0012	1.7475	0.0095	6.1193	6.0581	88.68%	0.0000
3	19:05:08	86.86%	0.0080	1.4003	0.0128	6.1659	5.9755	89.61%	0.0000
4	19:05:50	86.79%	0.0125	1.2146	0.0128	6.0452	5.9606	89.73%	0.0000
5	19:06:26	86.32%	0.0158	1.2122	0.0116	6.1728	6.0462	89.36%	0.0000
x		85.99%	0.0093	1.1182	0.0106	6.0805	5.9955	88.67%	0.0000
%RSD		1.41	58.4970	58.4280	25.9470	1.8626	0.8943	1.76	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	19:03:53	7.2691	42.0040	41.8550	90.20%	0.0569	0.0624	2.1145	2.1756
2	19:04:30	7.0460	41.7630	41.0480	T 96.69%	0.0496	0.0600	2.1172	2.2914
3	19:05:08	7.1042	41.0780	40.8250	T 97.40%	0.0623	0.0694	2.0238	2.3150
4	19:05:50	6.9459	41.1070	40.9190	T 98.11%	0.0802	0.0863	2.1818	2.3869
5	19:06:26	7.1300	41.9080	41.6280	T 97.38%	0.0669	0.0715	2.0996	2.2817
x		7.0990	41.5720	41.2550	T 95.95%	0.0632	0.0699	2.1074	2.2901
%RSD		1.6693	1.0736	1.1111	T 3.40	18.2160	14.7730	2.6759	3.3240

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:03:53	2.1649	93.04%	-0.1216
2	19:04:30	2.2229	97.34%	-0.1216
3	19:05:08	2.1688	99.70%	-0.1216
4	19:05:50	2.2771	99.45%	0.4999
5	19:06:26	2.2247	99.22%	-0.1216
x		2.2117	97.75%	0.0027
%RSD		2.0967	2.86	10413.0000

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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	19:09:55	93.78%	-0.0045	T 7130.2000	7353.5000	7379.1000	8.0061	M 65210.0000	83.56%
2	19:10:32	93.52%	0.0002	T 7290.8000	7557.1000	7561.4000	8.2969	M 66539.0000	83.84%
3	19:11:08	96.04%	0.0082	T 7174.1000	7501.7000	7513.4000	8.4312	M 66260.0000	85.41%
4	19:11:45	94.87%	0.0192	T 7362.7000	7564.0000	7578.2000	8.2632	M 66798.0000	85.61%
5	19:12:22	94.41%	-0.0168	T 7391.1000	7644.4000	7642.5000	8.1550	M 67202.0000	85.61%
x		94.52%	0.0013	T 7269.8000	7524.1000	7534.9000	8.2305	M 66402.0000	84.81%
%RSD		1.06	1062.1000	T 1.5748	1.4368	1.3088	1.9383	M 1.1310	1.20

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	19:09:55	0.2252	0.5006	0.4827	ID 0.2215	1.0630	2.9142	681.5000	0.3426
2	19:10:32	0.2386	0.1624	0.4397	ID 0.2001	1.1064	1.9586	622.1700	0.3212
3	19:11:08	0.2265	0.0983	0.4431	ID 0.2721	1.1111	-1.8726	624.8100	0.3480
4	19:11:45	0.2049	0.2439	0.3924	ID 0.2343	1.0958	-1.9351	567.3100	0.3207
5	19:12:22	0.1460	0.2668	0.4792	ID 0.2491	1.1475	-5.0524	537.2100	0.3013
x		0.2082	0.2544	0.4474	ID 0.2354	1.1047	-0.7975	606.6000	0.3268
%RSD		17.6830	60.1750	8.1778	ID 11.5870	2.7521	405.9900	9.2313	5.7684

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	19:09:55	2.0950	1.9242	2.2171	1131.4000	0.9818	0.9693	1.9946	1.6193
2	19:10:32	1.9321	1.9809	2.3356	1135.8000	1.3084	0.4902	2.0814	-0.1742
3	19:11:08	1.8926	2.0917	2.2916	1128.8000	1.0660	0.0445	1.6891	1.2781
4	19:11:45	1.7802	1.9925	2.1600	1133.1000	1.3016	0.3769	1.9894	0.0649
5	19:12:22	1.6902	1.9702	2.2509	1137.1000	1.2131	0.3371	1.6461	0.7978
x		1.8780	1.9919	2.2510	1133.2000	1.1742	0.4436	1.8801	0.7172
%RSD		8.2090	3.0885	2.9992	0.2957	12.3750	75.9070	10.5320	106.9900

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	19:09:55	81.75%	0.0037	-0.1283	-0.0108	9.9919	10.2080	83.39%	0.0000
2	19:10:32	82.90%	0.0039	0.1550	0.0037	9.8106	10.0360	85.38%	0.0000
3	19:11:08	84.03%	0.0135	0.2573	0.0056	9.9971	10.0830	86.80%	0.0000
4	19:11:45	85.44%	0.0095	0.7661	0.0086	10.1380	10.0980	87.18%	0.0000
5	19:12:22	85.58%	0.0060	0.8913	-0.0037	10.1530	10.2020	88.02%	0.0000
x		83.94%	0.0073	0.3883	0.0007	10.0180	10.1250	86.15%	0.0000
%RSD		1.96	57.2230	110.3500	1190.0000	1.3822	0.7536	2.11	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	19:09:55	4.5984	36.9370	37.7900	85.62%	-0.0472	-0.0347	39.2200	43.7040
2	19:10:32	4.5987	37.0160	37.1920	88.86%	-0.0272	-0.0200	39.8010	44.0950
3	19:11:08	4.7212	37.0900	37.0750	89.78%	-0.0157	-0.0156	40.0440	43.6790
4	19:11:45	4.6821	37.4550	37.2400	91.73%	-0.0197	-0.0233	40.1230	44.0130
5	19:12:22	4.6683	36.6120	37.0850	T 95.41%	-0.0304	-0.0264	39.9510	43.5950
x		4.6537	37.0220	37.2760	T 90.28%	-0.0280	-0.0240	39.8280	43.8170
%RSD		1.1604	0.8188	0.7929	T 4.01	43.5160	29.9940	0.9050	0.5063

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:09:55	41.3310	88.78%	-0.1216
2	19:10:32	42.1680	92.46%	-0.1216
3	19:11:08	41.9060	94.76%	-0.1216
4	19:11:45	41.9240	96.25%	-0.1216
5	19:12:22	41.7240	97.59%	-0.1216
x		41.8110	93.97%	-0.1216
%RSD		0.7439	3.69	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	19:15:52	91.95%	-0.0163	T 10977.0000	11386.0000	11450.0000	4.2465	TM 88590.0000	82.04%
2	19:16:29	91.84%	-0.0055	T 11256.0000	11780.0000	T 11393.0000	4.2210	TM 89055.0000	82.98%
3	19:17:05	92.91%	0.0004	T 11404.0000	11850.0000	11849.0000	4.3439	TM 90447.0000	83.71%
4	19:17:42	92.56%	-0.0057	T 11536.0000	11921.0000	12022.0000	4.3138	TM 90931.0000	83.85%
5	19:18:19	93.15%	-0.0181	T 11491.0000	11992.0000	12072.0000	4.1422	TM 90322.0000	84.69%
x		92.48%	-0.0090	T 11333.0000	11786.0000	T 11757.0000	4.2535	TM 89869.0000	83.45%
%RSD		0.63	87.1740	T 1.9912	2.0104	T 2.7031	1.8691	TM 1.1081	1.20

Run	Time	47Ti	51V	52Cr	53Cr	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	19:15:52	0.3557	0.5726	0.6337	ID 1.0823	9.8478	20.9620	926.7100	0.6081
2	19:16:29	0.2356	0.3113	0.6519	ID 0.9760	9.7954	18.0400	861.6300	0.6069
3	19:17:05	0.2554	0.2216	0.5317	ID 1.0429	9.9539	17.7330	817.2300	0.5909
4	19:17:42	0.3115	0.2465	0.4811	ID 1.0329	9.9371	16.0460	686.8400	0.5924
5	19:18:19	0.2241	0.2256	0.5572	ID 1.0615	9.9196	13.6970	727.3400	0.5509
x		0.2765	0.3155	0.5711	ID 1.0391	9.8908	17.2960	803.9500	0.5898
%RSD		20.1120	46.9490	12.4770	ID 3.8506	0.6765	15.4870	12.1490	3.9298

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	19:15:52	3.6962	5.6602	5.7945	636.4300	1.6880	1.1365	2.8820	-0.4491
2	19:16:29	3.9336	5.7047	5.9266	641.6100	1.9784	0.7421	2.8815	0.0471
3	19:17:05	3.4493	5.6796	6.1882	642.1300	1.7573	1.2343	2.4942	-0.3636
4	19:17:42	3.5023	5.5638	5.8138	633.1700	1.5905	0.7433	2.7707	-0.2766
5	19:18:19	3.5354	5.4208	5.6824	644.5000	1.6516	0.5667	2.7768	0.3272
x		3.6234	5.6058	5.8811	639.5700	1.7332	0.8846	2.7610	-0.1430
%RSD		5.4193	2.0760	3.2691	0.7244	8.6443	32.3260	5.7458	225.9100

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	19:15:52	78.87%	-0.0110	-0.2377	-0.0023	2.5371	2.5720	80.88%	0.0000
2	19:16:29	80.83%	-0.0102	-0.0838	-0.0030	2.8243	2.5842	83.65%	0.0000
3	19:17:05	82.37%	0.0050	1.1172	0.0077	2.5774	2.6278	84.94%	0.0000
4	19:17:42	83.87%	-0.0049	0.8200	0.0081	2.5434	2.5659	86.38%	0.0000
5	19:18:19	84.04%	0.0054	1.3103	-0.0003	2.6016	2.6472	87.56%	0.0000
x		82.00%	-0.0031	0.5852	0.0020	2.6168	2.5994	84.68%	0.0000
%RSD		2.65	255.0400	120.4900	265.3100	4.5449	1.3860	3.05	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	19:15:52	6.0042	11.5680	11.3750	83.77%	-0.0380	-0.0338	0.9621	1.1744
2	19:16:29	6.0004	11.0090	11.1780	T 90.30%	-0.0412	-0.0385	1.0065	1.0825
3	19:17:05	6.1770	11.6530	11.1790	90.06%	-0.0248	-0.0221	1.0432	1.1520
4	19:17:42	6.2361	11.1110	10.9340	T 94.53%	-0.0342	-0.0217	0.9902	1.2117
5	19:18:19	6.1537	11.7360	11.4920	93.59%	-0.0367	-0.0327	0.9668	1.0880
x		6.1143	11.4160	11.2320	T 90.45%	-0.0350	-0.0298	0.9937	1.1417
%RSD		1.7429	2.9064	1.9050	T 4.66	17.8140	25.1890	3.3198	4.8874

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:15:52	1.0710	86.65%	-0.1216
2	19:16:29	1.0646	91.21%	-0.1216
3	19:17:05	1.0740	94.52%	-0.1216
4	19:17:42	1.0705	96.81%	-0.1216
5	19:18:19	1.0325	98.26%	-0.1216
x		1.0625	93.49%	-0.1216
%RSD		1.6116	4.99	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	19:21:53	93.21%	-0.0151	T 12747.0000	13286.0000	T 12796.0000	22.0420	TM 93890.0000	84.02%
2	19:22:30	92.45%	-0.0011	T 12974.0000	13614.0000	T 13101.0000	22.6800	TM 95603.0000	84.90%
3	19:23:06	93.42%	-0.0075	T 13005.0000	T 13038.0000	T 13144.0000	22.6910	TM 95048.0000	84.93%
4	19:23:43	93.47%	-0.0075	T 12922.0000	13558.0000	T 13135.0000	22.2210	TM 95389.0000	85.39%
5	19:24:20	94.03%	-0.0183	T 13050.0000	13574.0000	T 13091.0000	22.4510	TM 95881.0000	85.83%
x		93.32%	-0.0099	T 12940.0000	T 13414.0000	T 13054.0000	22.4170	TM 95162.0000	85.01%
%RSD		0.61	69.2150	T 0.9044	T 1.8427	T 1.1150	1.2710	TM 0.8132	0.79

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	19:21:53	0.2624	-0.0407	0.6073	ID 0.9486	69.3210	16.9280	911.9000	0.5432
2	19:22:30	0.2041	0.1198	0.6201	ID 0.7796	68.6170	13.7520	838.1000	0.5120
3	19:23:06	0.2200	0.0419	0.6383	ID 0.8874	70.1190	15.9510	811.3400	0.5331
4	19:23:43	0.2503	0.4131	0.6618	ID 0.7885	69.4640	15.6680	805.2100	0.5719
5	19:24:20	0.2042	0.2192	0.5945	ID 0.7395	69.8020	13.9280	837.0200	0.4961
x		0.2282	0.1506	0.6244	ID 0.8287	69.4650	15.2450	840.7100	0.5313
%RSD		11.7670	116.4000	4.2364	ID 10.4180	0.8144	8.9643	5.0504	5.4874

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	19:21:53	3.1223	2.0045	2.1437	1102.4000	1.0927	-1.3127	0.8121	0.4766
2	19:22:30	3.0990	1.9252	2.0289	1099.9000	0.9130	-1.2579	0.4001	2.0901
3	19:23:06	3.0819	1.9182	2.1592	1094.8000	1.2064	-0.9035	0.7080	0.6920
4	19:23:43	3.0152	1.8648	2.0881	1101.8000	1.4303	-1.0385	0.9406	0.7563
5	19:24:20	2.9605	1.9715	2.0651	1094.7000	1.1033	-0.7112	0.6884	1.0068
x		3.0558	1.9368	2.0970	1098.7000	1.1492	-1.0448	0.7098	1.0044
%RSD		2.1774	2.7625	2.5897	0.3418	16.4760	23.8580	28.1890	63.2930

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	19:21:53	82.20%	0.0067	-0.7812	0.0094	8.7839	8.9038	84.30%	0.0000
2	19:22:30	84.21%	0.0133	0.4771	0.0144	8.8417	8.8324	85.93%	0.0000
3	19:23:06	85.03%	0.0224	0.7703	0.0186	8.5146	8.8787	87.02%	0.0000
4	19:23:43	85.03%	0.0152	1.8019	0.0168	8.8346	8.8381	86.75%	0.0000
5	19:24:20	85.38%	0.0147	0.7974	0.0201	9.0433	8.8808	87.85%	0.0000
x		84.37%	0.0145	0.6131	0.0158	8.8036	8.8667	86.37%	0.0000
%RSD		1.53	38.8720	151.1400	26.4900	2.1535	0.3438	1.56	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	19:21:53	6.8818	101.4000	101.3700	88.44%	0.3453	0.3278	0.3504	0.3583
2	19:22:30	6.9188	100.8800	101.6500	91.29%	0.3461	0.3526	0.3652	0.3568
3	19:23:06	7.0393	101.3400	101.3000	92.22%	0.3747	0.3421	0.4083	0.3826
4	19:23:43	6.9338	100.9400	101.1400	92.43%	0.3649	0.3314	0.3585	0.4392
5	19:24:20	6.9690	100.0700	99.6860	T 96.32%	0.3418	0.3314	0.3358	0.4125
x		6.9485	100.9300	101.0300	T 92.14%	0.3546	0.3371	0.3636	0.3899
%RSD		0.8576	0.5267	0.7652	T 3.07	4.0736	3.0214	7.5013	9.1495

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:21:53	0.3707	90.83%	-0.1216
2	19:22:30	0.3712	93.43%	-0.1216
3	19:23:06	0.3966	94.89%	-0.1216
4	19:23:43	0.3884	95.04%	-0.1216
5	19:24:20	0.3755	95.82%	-0.1216
x		0.3805	94.00%	-0.1216
%RSD		3.0274	2.10	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	19:27:50	82.56%	-0.0094	TM 97952.0000	TM 97049.0000	TM 97812.0000	1.6786	TM 438830.0000	80.11%
2	19:28:27	83.04%	-0.0095	TM 100220.0000	TM 99846.0000	TM 100150.0000	1.7359	TM 446210.0000	81.86%
3	19:29:04	83.18%	-0.0147	TM 101400.0000	TM 100410.0000	TM 101800.0000	1.7614	TM 446280.0000	84.06%
4	19:29:40	84.22%	-0.0015	TM 102020.0000	TM 101160.0000	TM 101730.0000	1.6928	TM 448180.0000	85.47%
5	19:30:17	84.58%	-0.0117	TM 102370.0000	TM 102220.0000	TM 103580.0000	1.8565	TM 446980.0000	87.42%
x		83.51%	-0.0094	TM 100790.0000	TM 100140.0000	TM 101010.0000	1.7450	TM 445300.0000	83.79%
%RSD		1.02	52.1990	TM 1.7733	TM 1.9407	TM 2.1407	4.0428	TM 0.8307	3.45

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	19:27:50	0.4634	0.3343	0.5523	ID 23.2880	TM 8958.5000	627.2900	5163.6000	13.8900
2	19:28:27	0.4048	-0.0144	0.5636	ID 23.4030	TM 8979.9000	633.3700	4708.3000	13.4520
3	19:29:04	0.4261	0.1025	0.4256	ID 23.4090	TM 8958.7000	624.9400	4444.0000	13.5320
4	19:29:40	0.4242	0.1141	0.4764	ID 23.3550	TM 9038.8000	639.9500	4811.4000	13.3360
5	19:30:17	0.3554	0.1054	0.4518	ID 23.8690	TM 9024.1000	635.6800	4678.3000	13.5690
x		0.4148	0.1284	0.4939	ID 23.4650	TM 8992.0000	632.2500	4761.1000	13.5560
%RSD		9.4974	98.6930	12.4010	ID 0.9852	TM 0.4160	0.9698	5.5045	1.5288

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	19:27:50	13.9860	3.4827	1.5545	199.2200	5.8372	-0.5718	-0.2605	4.3493
2	19:28:27	13.2590	4.0555	1.4144	201.9200	5.7720	-0.6334	-0.5685	3.5611
3	19:29:04	12.9560	4.3400	1.4636	202.4100	6.4403	-0.3291	-0.4093	3.4255
4	19:29:40	13.1750	4.6880	1.3544	202.6300	6.1554	-0.2016	-0.4668	3.2371
5	19:30:17	13.1120	4.8590	1.4094	202.0200	6.1162	-0.2302	-0.4139	3.6711
x		13.2980	4.2850	1.4393	201.6400	6.0642	-0.3932	-0.4238	3.6488
%RSD		3.0105	12.7350	5.2211	0.6850	4.4351	50.3890	26.3230	11.6140

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	19:27:50	76.45%	-0.0160	0.1617	-0.0109	0.0304	0.0462	75.04%	0.0000
2	19:28:27	79.48%	-0.0086	0.2212	-0.0027	0.0237	0.0487	78.15%	0.0000
3	19:29:04	81.87%	0.0041	1.3239	-0.0028	0.0376	0.0225	80.29%	0.0000
4	19:29:40	83.31%	0.0057	0.1523	-0.0009	0.0246	0.0344	82.22%	0.0000
5	19:30:17	84.55%	-0.0019	0.2705	0.0007	0.0689	0.0517	83.21%	0.0000
x		81.13%	-0.0033	0.4259	-0.0033	0.0370	0.0407	79.78%	0.0000
%RSD		3.98	271.0700	118.4000	134.8000	50.3850	29.7230	4.12	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	19:27:50	1.0314	157.3700	158.9200	79.33%	-0.0542	-0.0439	-0.0006	-0.0092
2	19:28:27	0.9592	157.8100	157.4700	83.27%	-0.0482	-0.0406	-0.0055	-0.0009
3	19:29:04	1.0382	157.6100	158.7700	86.57%	-0.0482	-0.0380	0.0025	-0.0006
4	19:29:40	1.0692	155.2900	156.0300	T 91.64%	-0.0351	-0.0396	0.0045	-0.0017
5	19:30:17	1.0220	156.1300	155.2500	T 92.68%	-0.0421	-0.0420	0.0027	-0.0001
x		1.0240	156.8400	157.2900	T 86.70%	-0.0455	-0.0408	0.0007	-0.0025
%RSD		3.9368	0.6908	1.0373	T 6.48	15.9130	5.5293	549.5300	150.0300

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:27:50	0.0020	71.96%	-0.1216
2	19:28:27	0.0036	75.63%	-0.1216
3	19:29:04	-0.0021	78.48%	-0.1216
4	19:29:40	-0.0026	80.28%	-0.1216
5	19:30:17	0.0002	80.88%	-0.1216
x		0.0002	77.45%	-0.1216
%RSD		1190.2000	4.76	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	19:33:48	94.01%	-0.0078	20.2930	17.8930	20.1190	-0.3178	137.7000	91.46%
2	19:34:25	94.58%	-0.0215	25.6510	25.8870	27.1410	-0.2887	153.6800	93.79%
3	19:35:02	96.29%	-0.0114	30.7080	30.9200	29.8200	-0.2938	178.9600	96.93%
4	19:35:38	96.74%	-0.0159	25.5150	25.7550	27.1740	-0.3454	147.5400	97.07%
5	19:36:15	97.37%	-0.0247	23.6730	24.7180	23.7830	-0.3188	146.1900	98.05%
x		95.80%	-0.0162	25.1680	25.0350	25.6070	-0.3129	152.8100	95.46%
%RSD		1.50	42.9150	15.0050	18.6280	14.6120	7.2672	10.2660	2.88

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	19:33:48	0.1273	-0.0088	0.0240	ID -0.3776	0.2958	7.4306	0.9355	-0.0108
2	19:34:25	0.0785	0.0535	0.0265	ID -0.3637	0.7931	5.7857	-2.9019	-0.0117
3	19:35:02	0.0735	-0.0123	0.0047	ID -0.3795	1.0946	2.9536	-5.6170	-0.0095
4	19:35:38	0.0395	0.0287	-0.0042	ID -0.3993	0.7129	3.1255	-5.5974	-0.0143
5	19:36:15	0.0425	-0.0059	-0.0073	ID -0.3361	0.4970	3.3005	-10.9280	-0.0120
x		0.0723	0.0110	0.0087	ID -0.3712	0.6787	4.5192	-4.8218	-0.0117
%RSD		49.0500	261.6400	180.0200	ID 6.2992	44.6240	44.1990	90.0150	15.3730

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	19:33:48	0.0019	0.2632	0.0165	2.8030	0.0320	0.2439	0.0900	-0.4654
2	19:34:25	-0.0029	0.2138	-0.0213	2.9679	0.0152	0.3209	0.0001	-1.1873
3	19:35:02	-0.0157	0.2195	-0.0091	2.9657	0.0377	-0.1807	0.2304	-1.1931
4	19:35:38	-0.0026	0.1938	-0.0321	2.9170	-0.0588	0.1577	-0.2727	-0.2283
5	19:36:15	0.0101	0.1398	-0.0257	2.7635	0.0167	0.4075	-0.0034	-0.8963
x		-0.0018	0.2060	-0.0143	2.8834	0.0085	0.1899	0.0089	-0.7941
%RSD		509.0500	21.7620	133.9100	3.2849	455.7500	119.4900	2071.2000	54.6160

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	19:33:48	90.73%	0.0234	-0.3138	0.0202	0.0105	0.0077	91.70%	0.0000
2	19:34:25	94.33%	0.0427	0.0014	0.0314	0.0137	0.0056	95.93%	0.0000
3	19:35:02	96.91%	0.0587	-0.0532	0.0585	0.0110	0.0035	98.96%	0.0000
4	19:35:38	98.32%	0.0347	0.8790	0.0284	0.0165	0.0131	100.45%	0.0000
5	19:36:15	99.20%	0.0262	0.6475	0.0284	0.0044	0.0139	102.32%	0.0000
x		95.90%	0.0371	0.2322	0.0334	0.0112	0.0088	97.87%	0.0000
%RSD		3.57	38.2690	217.8900	43.9650	39.9560	52.2030	4.26	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	19:33:48	-0.2394	-0.0233	-0.0106	90.50%	-0.0608	-0.0556	-0.0293	-0.0287
2	19:34:25	-0.2450	-0.0123	0.0018	T 98.40%	-0.0561	-0.0532	-0.0059	-0.0252
3	19:35:02	-0.2259	-0.0195	0.0110	T 100.95%	-0.0584	-0.0507	-0.0151	-0.0331
4	19:35:38	-0.2362	-0.0261	0.0100	T 103.45%	-0.0557	-0.0546	-0.0144	-0.0277
5	19:36:15	-0.2367	-0.0206	-0.0310	T 104.84%	-0.0591	-0.0541	-0.0247	-0.0293
x		-0.2366	-0.0203	-0.0038	T 99.63%	-0.0580	-0.0536	-0.0179	-0.0288
%RSD		2.9292	25.3150	463.1100	T 5.68	3.6465	3.4374	51.4960	10.0110

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:33:48	-0.0285	94.53%	-0.1216
2	19:34:25	-0.0163	100.46%	-0.1216
3	19:35:02	-0.0205	104.12%	-0.1216
4	19:35:38	-0.0253	106.54%	-0.1216
5	19:36:15	-0.0229	107.90%	-0.1216
x		-0.0227	102.71%	-0.1216
%RSD		20.4870	5.23	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	19:39:46	93.68%	1.0003	3.7917	4.1771	3.9712	1.8029	21.6790	92.11%
2	19:40:22	95.37%	1.0144	3.6006	3.6753	3.6098	1.8676	14.4560	94.13%
3	19:40:59	94.72%	1.0632	3.7789	3.1662	4.0582	1.9024	19.2290	95.50%
4	19:41:36	95.71%	0.9809	3.6831	3.7022	3.6635	1.8743	21.2120	96.56%
5	19:42:13	95.94%	0.9828	3.9079	4.6101	3.6920	2.0497	23.6350	96.84%
x		95.08%	1.0083	3.7524	3.8662	3.7989	1.8994	20.0420	95.02%
%RSD		0.96	3.3321	3.1046	14.1870	5.3052	4.8236	17.4330	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	19:39:46	0.1065	4.8179	1.8964	ID -0.3054	0.9516	3.9230	-2.1399	0.8996
2	19:40:22	0.0881	4.7493	1.8489	ID -0.3745	0.9214	4.0977	-0.3618	0.9204
3	19:40:59	0.0857	4.6858	1.8589	ID -0.3554	0.8960	2.3039	-9.5271	0.8723
4	19:41:36	0.0486	4.7190	1.8462	ID -0.3612	0.9638	1.4761	-5.1658	0.9541
5	19:42:13	0.0567	4.5969	1.8906	ID -0.3674	0.9965	1.6828	-8.1993	0.8994
x		0.0771	4.7138	1.8682	ID -0.3528	0.9459	2.6967	-5.0788	0.9092
%RSD		31.0090	1.7285	1.2662	ID 7.7695	4.0963	45.9400	76.5240	3.3430

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	19:39:46	1.0436	2.0283	2.0705	2.5243	0.9013	5.3367	5.0366	-0.2029
2	19:40:22	0.9799	1.9880	2.1296	2.5864	0.8827	5.7777	5.1271	-0.5249
3	19:40:59	0.9713	2.0996	1.9485	2.4738	1.1258	5.6859	5.5120	-0.8798
4	19:41:36	1.0037	2.0420	2.0568	2.4558	0.8903	4.9681	4.5989	-1.1426
5	19:42:13	1.0218	2.0751	1.9093	2.3841	0.8439	5.3058	5.0014	-0.5638
x		1.0041	2.0466	2.0229	2.4849	0.9288	5.4148	5.0552	-0.6628
%RSD		2.9616	2.1040	4.5061	3.0496	12.0840	6.0036	6.4498	54.2750

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	19:39:46	92.30%	0.9181	-1.2554	0.9393	1.0244	0.9289	92.78%	0.0000
2	19:40:22	94.56%	0.9279	-0.2823	0.9621	0.9148	0.9497	95.80%	0.0000
3	19:40:59	96.42%	0.8970	0.0296	0.9242	0.9289	0.9309	97.69%	0.0000
4	19:41:36	97.37%	0.9432	0.0201	0.9695	0.9405	0.9663	99.56%	0.0000
5	19:42:13	97.76%	0.9421	0.1805	0.9466	1.0406	0.9049	100.02%	0.0000
x		95.68%	0.9257	-0.2615	0.9483	0.9699	0.9361	97.17%	0.0000
%RSD		2.36	2.0627	221.9900	1.9035	6.0003	2.4783	3.06	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	19:39:46	1.6136	9.0773	9.4672	T 95.03%	0.9043	0.8826	0.9393	1.0358
2	19:40:22	1.5964	9.4984	9.5451	T 98.16%	0.8921	0.8285	1.0147	0.9427
3	19:40:59	1.6415	9.5553	9.5656	T 100.64%	0.8762	0.8555	0.9568	0.9254
4	19:41:36	1.5337	9.5553	9.5134	T 101.73%	0.8603	0.8285	0.9686	0.9247
5	19:42:13	1.6787	9.6383	9.7352	T 102.60%	0.8780	0.8578	1.0089	0.9738
x		1.6128	9.4649	9.5653	T 99.63%	0.8822	0.8506	0.9777	0.9605
%RSD		3.3516	2.3491	1.0659	T 3.08	1.8961	2.6789	3.3689	4.8470

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:39:46	0.9451	96.14%	-0.1216
2	19:40:22	0.9595	100.34%	-0.1216
3	19:40:59	0.9281	103.07%	-0.1216
4	19:41:36	0.9098	104.25%	-0.1216
5	19:42:13	0.9606	105.63%	-0.1216
x		0.9406	101.89%	-0.1216
%RSD		2.3077	3.69	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	19:45:42	90.43%	256.7300	987.0500	976.1800	991.4900	250.0100	1005.1000	87.98%
2	19:46:19	91.27%	255.2600	998.8600	1002.4000	1015.1000	249.9100	1040.8000	89.04%
3	19:46:55	91.06%	255.0000	1016.6000	1018.3000	1025.7000	251.8200	1014.1000	89.27%
4	19:47:32	90.81%	254.8000	1009.3000	1017.3000	1029.8000	253.0400	1039.1000	88.95%
5	19:48:09	90.80%	255.6300	1016.8000	1016.3000	1024.0000	248.7800	1004.6000	89.59%
x		90.87%	255.4800	1005.7000	1006.1000	1017.2000	250.7100	1020.7000	88.97%
%RSD		0.35	0.2998	1.2668	1.7821	1.5099	0.6774	1.7582	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	19:45:42	0.0781	244.4500	242.1700	ID 43.9180	240.0000	1010.5000	1000.3000	245.6600
2	19:46:19	0.0655	243.8200	240.6300	ID 44.1210	238.0700	1014.3000	1005.7000	245.6300
3	19:46:55	0.0621	247.6000	242.7400	ID 44.9950	241.5300	1022.2000	1003.0000	246.7000
4	19:47:32	0.0595	244.6000	242.1000	ID 44.7870	240.3100	1026.4000	992.8600	246.2600
5	19:48:09	0.0357	244.8900	241.8000	ID 44.7720	239.8500	1020.8000	1006.5000	246.5800
x		0.0602	245.0700	241.8900	ID 44.5190	239.9500	1018.8000	1001.7000	246.1700
%RSD		25.6470	0.5973	0.3230	ID 1.0542	0.5167	0.6256	0.5485	0.2041

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	19:45:42	250.4200	244.3800	245.2700	247.8600	249.7000	254.5700	255.5200	0.1214
2	19:46:19	244.7300	244.3100	244.9400	249.2400	248.3200	254.3600	254.7700	-0.6077
3	19:46:55	246.9900	243.0800	245.4600	249.8100	247.5700	252.1100	254.9800	0.6111
4	19:47:32	245.9400	243.6300	244.4300	249.2600	247.9400	251.3000	251.0500	-0.2377
5	19:48:09	244.6500	243.9900	245.6900	247.9200	245.5500	247.4900	249.6800	-0.1729
x		246.5500	243.8800	245.1600	248.8200	247.8200	251.9700	253.2000	-0.0571
%RSD		0.9609	0.2197	0.2001	0.3530	0.6069	1.1393	1.0454	795.8900

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	19:45:42	87.16%	243.7400	-1.8783	243.7500	246.0400	244.7700	88.20%	0.0000
2	19:46:19	89.42%	244.2300	-3.1254	243.9400	248.4700	246.6700	90.77%	0.0000
3	19:46:55	89.44%	244.1400	2.7168	242.2200	247.8400	245.2300	92.65%	0.0000
4	19:47:32	89.92%	244.6100	2.1543	242.7300	249.0000	245.8000	92.56%	0.0000
5	19:48:09	89.79%	242.8000	-2.0871	242.2400	247.1000	246.6600	92.56%	0.0000
x		89.15%	243.9000	-0.4439	242.9800	247.6900	245.8200	91.35%	0.0000
%RSD		1.27	0.2830	603.2800	0.3378	0.4703	0.3444	2.11	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	19:45:42	241.5200	247.8200	249.4900	87.11%	242.1300	237.9500	243.1800	241.7300
2	19:46:19	241.8000	244.0900	246.7500	T 92.83%	243.5200	239.2600	242.4300	244.2200
3	19:46:55	243.6500	248.8000	246.4900	92.60%	243.7000	239.2400	243.6900	244.5100
4	19:47:32	243.6700	243.2100	246.7900	T 95.39%	242.7700	238.5400	243.4400	244.4500
5	19:48:09	246.8300	246.7100	244.9100	T 96.28%	241.7900	237.3300	242.4800	242.4600
x		243.5000	246.1300	246.8900	T 92.84%	242.7800	238.4600	243.0400	243.4700
%RSD		0.8703	0.9737	0.6666	T 3.85	0.3451	0.3517	0.2331	0.5304

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:45:42	241.2300	91.98%	-0.1216
2	19:46:19	242.5500	96.25%	-0.1216
3	19:46:55	242.3100	98.68%	-0.1216
4	19:47:32	242.2100	99.48%	0.4997
5	19:48:09	241.1500	100.52%	0.4933
x		241.8900	97.38%	0.1256
%RSD		0.2703	3.50	269.5200

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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	19:51:37	90.61%	0.0166	0.6826	1.2846	1.5680	-0.1522	5.3452	89.78%
2	19:52:14	93.07%	0.0107	0.8011	1.4226	1.1454	-0.1749	0.8278	91.89%
3	19:52:50	94.23%	0.0146	0.9403	1.5185	1.4828	-0.2269	4.5526	94.41%
4	19:53:27	95.93%	0.0153	0.7287	2.0163	1.0199	-0.1413	8.1554	95.37%
5	19:54:04	96.30%	0.0004	0.8263	1.1156	1.1245	-0.1480	6.2115	96.71%
x		94.03%	0.0115	0.7958	1.4715	1.2681	-0.1686	5.0185	93.64%
%RSD		2.46	57.3380	12.4320	23.1200	19.0460	20.7210	53.7910	2.97

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	19:51:37	0.0795	0.0090	-0.0026	ID -0.4473	0.0211	-2.8002	-2.3222	0.0058
2	19:52:14	0.0595	0.0030	0.0179	ID -0.2905	0.0127	-3.8220	-3.3538	0.0077
3	19:52:50	0.0558	0.0240	0.0032	ID -0.3139	0.0088	-4.0432	-5.5586	0.0063
4	19:53:27	0.0773	-0.0198	-0.0201	ID -0.2734	0.0146	-3.3317	-10.8590	0.0079
5	19:54:04	0.0329	0.0591	0.0280	ID -0.3448	0.0082	-3.7766	-17.6020	0.0063
x		0.0610	0.0150	0.0053	ID -0.3340	0.0131	-3.5547	-7.9391	0.0068
%RSD		30.9480	194.3400	352.7400	ID 20.5890	39.8110	13.9130	79.6980	13.7680

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	19:51:37	0.0061	0.1752	0.0748	0.4292	0.0510	-0.2935	0.2123	-1.1771
2	19:52:14	0.0156	0.1626	0.1137	0.4098	-0.0047	-0.3116	0.0878	-0.6966
3	19:52:50	0.0077	0.1406	0.0690	0.3318	-0.0349	-0.1086	-0.2377	-0.2967
4	19:53:27	-0.0069	0.1491	0.0880	0.3702	0.0049	-0.3648	-0.0016	-0.0437
5	19:54:04	0.0085	0.1350	0.0653	0.3125	0.0164	-0.4166	0.0652	-0.9217
x		0.0062	0.1525	0.0822	0.3707	0.0065	-0.2990	0.0252	-0.6272
%RSD		131.2900	10.7720	23.8790	13.3920	478.3900	39.0640	659.5700	73.2250

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	19:51:37	88.92%	0.0012	-0.3449	-0.0027	0.0128	0.0122	91.19%	0.0000
2	19:52:14	92.18%	0.0035	-0.1753	-0.0065	0.0184	0.0069	94.04%	0.0000
3	19:52:50	95.01%	-0.0132	0.7012	-0.0008	0.0114	0.0062	97.31%	0.0000
4	19:53:27	96.40%	-0.0027	0.3228	-0.0005	0.0109	0.0048	99.49%	0.0000
5	19:54:04	98.00%	-0.0007	0.3363	-0.0025	0.0106	0.0012	100.66%	0.0000
x		94.10%	-0.0024	0.1680	-0.0026	0.0128	0.0063	96.54%	0.0000
%RSD		3.82	271.3100	252.0600	91.2990	25.3030	63.5290	4.05	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	19:51:37	0.1239	0.0105	-0.0219	89.85%	-0.0227	-0.0285	-0.0015	0.0239
2	19:52:14	0.2134	-0.0241	0.0068	94.49%	-0.0282	-0.0176	0.0359	0.0141
3	19:52:50	0.1898	-0.0192	0.0045	T 100.67%	-0.0341	-0.0207	0.0319	0.0147
4	19:53:27	0.1153	-0.0199	-0.0103	T 103.61%	-0.0234	-0.0223	0.0215	0.0064
5	19:54:04	0.0971	-0.0143	0.0265	T 104.85%	-0.0269	-0.0226	0.0151	0.0140
x		0.1479	-0.0134	0.0011	T 98.69%	-0.0271	-0.0223	0.0206	0.0146
%RSD		34.2530	103.0100	1670.6000	T 6.45	16.8280	17.7390	72.2200	42.6590

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:51:37	0.0187	94.87%	-0.1216
2	19:52:14	0.0206	100.47%	-0.1216
3	19:52:50	0.0146	104.37%	0.4706
4	19:53:27	0.0178	106.57%	-0.1216
5	19:54:04	0.0126	108.27%	-0.1216
x		0.0169	102.91%	-0.0032
%RSD		19.0400	5.21	8300.7000

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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	19:57:33	88.37%	-0.0109	TM 57570.0000	TM 57244.0000	TM 57618.0000	4.5184	TM 252830.0000	83.28%
2	19:58:12	87.88%	0.0005	TM 59009.0000	TM 58581.0000	TM 59337.0000	4.3761	TM 253270.0000	83.97%
3	19:58:49	87.11%	0.0090	TM 60073.0000	TM 59509.0000	TM 60116.0000	4.5519	TM 258280.0000	83.91%
4	19:59:26	88.20%	0.0165	TM 60149.0000	TM 59167.0000	TM 60053.0000	4.7244	TM 258160.0000	84.60%
5	20:00:03	89.55%	0.0078	TM 59890.0000	TM 59237.0000	TM 60069.0000	4.5353	TM 261480.0000	85.10%
x		88.22%	0.0046	TM 59338.0000	TM 58748.0000	TM 59439.0000	4.5412	TM 256800.0000	84.17%
%RSD		1.00	225.6200	TM 1.8340	TM 1.5425	TM 1.7961	2.7297	TM 1.4330	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	19:57:33	0.5212	2.2987	0.5043	ID 50.3000	540.9500	1324.4000	4119.1000	3.2932
2	19:58:12	0.5308	2.3268	0.4598	ID 51.0150	543.9700	1324.8000	3666.3000	3.2679
3	19:58:49	0.4592	2.0881	0.4730	ID 51.9460	541.2000	1329.5000	3444.8000	3.2102
4	19:59:26	0.4355	2.0495	0.4597	ID 51.2580	T 529.7100	1337.7000	3509.4000	3.0900
5	20:00:03	0.4052	2.1288	0.4013	ID 52.0800	541.2700	1338.4000	3334.1000	3.1339
x		0.4704	2.1784	0.4596	ID 51.3200	T 539.4200	1331.0000	3614.7000	3.1991
%RSD		11.5530	5.7950	8.1189	ID 1.4140	T 1.0322	0.5088	8.4794	2.7008

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	19:57:33	11.4860	1.0029	1.6526	256.2700	10.5680	-0.4531	0.3397	0.2117
2	19:58:12	10.9450	0.9710	1.4049	255.3800	10.9570	-0.8915	1.0624	0.1602
3	19:58:49	10.6000	0.9519	1.4185	255.2300	10.6640	-0.7171	0.6324	-0.2365
4	19:59:26	10.7320	0.9784	1.4267	254.8400	10.5740	-0.8687	0.3568	0.7644
5	20:00:03	10.6430	0.9665	1.3959	251.3800	10.5290	-0.8556	0.2437	0.7320
x		10.8810	0.9741	1.4597	254.6200	10.6590	-0.7572	0.5270	0.3264
%RSD		3.3368	1.9265	7.4320	0.7395	1.6338	24.1950	63.0840	129.4600

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	19:57:33	80.22%	0.0192	-0.3787	0.0237	0.0551	0.0320	80.12%	0.0000
2	19:58:12	81.40%	0.0114	0.7332	0.0241	0.0464	0.0386	82.07%	0.0000
3	19:58:49	82.69%	0.0153	1.0573	0.0163	0.0524	0.0471	83.71%	0.0000
4	19:59:26	83.44%	0.0164	0.1859	0.0227	0.0473	0.0321	84.37%	0.0000
5	20:00:03	84.09%	0.0185	0.4283	0.0110	0.0238	0.0381	84.61%	0.0000
x		82.36%	0.0161	0.4052	0.0196	0.0450	0.0376	82.98%	0.0000
%RSD		1.90	19.2150	134.9400	29.2530	27.4960	16.4430	2.27	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	19:57:33	0.7606	57.1170	57.1340	83.83%	-0.0406	-0.0372	0.1717	0.1784
2	19:58:12	0.8564	56.0540	56.5540	87.77%	-0.0353	-0.0393	0.1484	0.1596
3	19:58:49	0.7460	55.1710	57.0160	90.11%	-0.0368	-0.0309	0.1813	0.1831
4	19:59:26	0.7999	56.4590	56.3790	91.06%	-0.0373	-0.0349	0.1678	0.2109
5	20:00:03	0.7970	56.1060	55.4340	T 94.71%	-0.0414	-0.0328	0.1668	0.1761
x		0.7920	56.1820	56.5030	T 89.49%	-0.0383	-0.0350	0.1672	0.1816
%RSD		5.4055	1.2570	1.1950	T 4.51	6.8778	9.5093	7.1510	10.2470

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	19:57:33	0.1784	81.15%	-0.1216
2	19:58:12	0.1638	84.93%	-0.1216
3	19:58:49	0.1753	87.47%	-0.1216
4	19:59:26	0.1781	89.19%	-0.1216
5	20:00:03	0.1710	89.44%	-0.1216
x		0.1733	86.44%	-0.1216
%RSD		3.5039	4.00	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	20:03:31	87.17%	0.0008	TM 97434.0000	TM 97612.0000	TM 98084.0000	1.4420	TM 423260.0000	84.44%
2	20:04:08	88.12%	0.0181	TM 98654.0000	TM 98586.0000	TM 99207.0000	1.3603	TM 431730.0000	85.21%
3	20:04:45	88.52%	-0.0014	TM 99893.0000	TM 99972.0000	TM 100580.0000	1.3896	TM 432080.0000	85.42%
4	20:05:22	89.32%	0.0111	TM 100790.0000	TM 99534.0000	TM 100330.0000	1.3898	TM 434590.0000	86.77%
5	20:05:58	89.09%	0.0032	TM 101620.0000	TM 100390.0000	TM 101360.0000	1.4766	TM 437140.0000	87.14%
x		88.45%	0.0064	TM 99678.0000	TM 99219.0000	TM 99912.0000	1.4116	TM 431760.0000	85.80%
%RSD		0.97	127.2300	TM 1.6738	TM 1.1291	TM 1.2807	3.3114	TM 1.2107	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	20:03:31	0.5231	0.8775	0.4719	ID 159.2500	T 897.5100	T 3941.1000	8419.1000	1.3629
2	20:04:08	0.4947	0.4590	0.3854	ID 161.2600	T 897.6100	T 3952.3000	8083.4000	1.2715
3	20:04:45	0.4341	0.5833	0.4058	ID 162.0700	T 890.7700	T 3955.5000	7738.4000	1.1632
4	20:05:22	0.4624	0.6613	0.3847	ID 163.1600	T 896.7600	T 4009.6000	7853.0000	1.1794
5	20:05:58	0.4177	0.3256	0.3746	ID 161.2600	T 895.7400	T 3998.4000	7822.6000	1.2018
x		0.4664	0.5813	0.4045	ID 161.4000	T 895.6800	T 3971.4000	7983.3000	1.2358
%RSD		9.2544	35.9230	9.7345	ID 0.8874	T 0.3178	T 0.7683	3.4459	6.6542

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	20:03:31	9.4612	0.4845	1.6613	1.5988	3.9772	-0.7529	0.4386	-0.2120
2	20:04:08	9.4996	0.4958	1.6125	1.5915	4.2688	-0.6217	0.2809	0.1112
3	20:04:45	9.4993	0.4207	1.5705	1.6309	4.0411	-0.9297	0.2466	1.1187
4	20:05:22	8.7650	0.4789	1.4850	1.5358	4.4551	-1.2198	0.2893	0.6476
5	20:05:58	9.0810	0.4845	1.3639	1.4594	4.2548	-1.0789	0.1938	0.2151
x		9.2612	0.4729	1.5386	1.5633	4.1994	-0.9206	0.2898	0.3761
%RSD		3.5493	6.2991	7.6140	4.3123	4.5764	26.1680	31.4800	137.3200

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	20:03:31	79.95%	-0.0153	-0.0330	-0.0040	-0.0110	-0.0124	79.29%	0.0000
2	20:04:08	82.46%	-0.0095	0.7487	-0.0087	-0.0061	-0.0109	81.98%	0.0000
3	20:04:45	83.09%	-0.0083	0.8959	-0.0123	-0.0086	-0.0093	82.85%	0.0000
4	20:05:22	84.21%	-0.0087	0.7257	-0.0106	-0.0040	-0.0098	84.33%	0.0000
5	20:05:58	84.79%	-0.0122	1.2689	-0.0069	-0.0109	-0.0118	85.21%	0.0000
x		82.90%	-0.0108	0.7212	-0.0085	-0.0081	-0.0109	82.73%	0.0000
%RSD		2.28	27.1190	65.7730	37.7630	37.4930	12.0840	2.78	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	20:03:31	0.1344	106.6000	106.0000	83.94%	-0.0628	-0.0567	-0.0127	-0.0237
2	20:04:08	0.1585	106.5200	105.4300	86.69%	-0.0642	-0.0576	-0.0034	-0.0134
3	20:04:45	0.1685	107.5300	106.1900	88.57%	-0.0606	-0.0596	-0.0254	-0.0248
4	20:05:22	0.1872	104.7800	105.7700	89.95%	-0.0614	-0.0573	-0.0285	-0.0147
5	20:05:58	0.2438	105.9400	105.2800	91.46%	-0.0638	-0.0567	-0.0176	-0.0221
x		0.1785	106.2700	105.7400	88.12%	-0.0626	-0.0576	-0.0176	-0.0198
%RSD		23.0690	0.9521	0.3579	3.32	2.4451	2.0916	57.3100	26.7550

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	20:03:31	-0.0187	78.87%	-0.1216
2	20:04:08	-0.0131	81.85%	-0.1216
3	20:04:45	-0.0211	83.14%	-0.1216
4	20:05:22	-0.0191	85.47%	-0.1216
5	20:05:58	-0.0212	86.61%	-0.1216
x		-0.0186	83.19%	-0.1216
%RSD		17.5250	3.67	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	20:09:27	91.56%	-0.0116	TM 22638.0000	TM 22679.0000	TM 22824.0000	7.9900	TM 85164.0000	84.67%
2	20:10:04	91.84%	-0.0133	TM 22973.0000	TM 22971.0000	TM 23086.0000	7.9206	TM 85350.0000	85.76%
3	20:10:40	92.97%	-0.0242	TM 23112.0000	TM 23032.0000	TM 23274.0000	8.1131	TM 86513.0000	85.97%
4	20:11:17	91.89%	-0.0040	TM 23436.0000	TM 23288.0000	TM 23550.0000	8.0856	TM 87308.0000	85.92%
5	20:11:54	92.49%	-0.0134	TM 23810.0000	TM 23597.0000	TM 23852.0000	8.0083	TM 87338.0000	85.75%
x		92.15%	-0.0133	TM 23194.0000	TM 23113.0000	TM 23317.0000	8.0235	TM 86335.0000	85.61%
%RSD		0.62	54.2670	TM 1.9308	TM 1.4979	TM 1.7137	0.9618	TM 1.2043	0.63

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	20:09:27	0.7102	5.6767	0.4163	ID 1.0612	6.5558	26.5340	960.3100	0.5716
2	20:10:04	0.6461	5.2902	0.4204	ID 1.0119	6.4941	22.9410	867.5700	0.5575
3	20:10:40	0.6249	5.2869	0.4423	ID 0.9554	6.4933	21.6440	818.0500	0.4906
4	20:11:17	0.5979	5.0764	0.3306	ID 1.1162	6.5667	20.0030	753.2600	0.5389
5	20:11:54	0.5418	5.3899	0.3180	ID 0.8582	6.5644	19.6790	722.2000	0.5578
x		0.6242	5.3440	0.3855	ID 1.0006	6.5348	22.1600	824.2800	0.5433
%RSD		9.9250	4.0846	14.7690	ID 9.9304	0.5785	12.5260	11.4900	5.8283

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	20:09:27	2.5138	0.4764	0.6808	4.0305	3.6827	-1.0258	0.6657	0.0601
2	20:10:04	2.5607	0.4208	0.6850	4.4475	3.7866	-0.7931	0.4797	-0.8233
3	20:10:40	2.6394	0.4758	0.6502	4.2150	3.7589	-0.9398	0.5687	-1.1359
4	20:11:17	2.4327	0.4463	0.6054	4.2243	3.6849	-1.0382	0.0088	-0.1950
5	20:11:54	2.4145	0.4524	0.7376	4.4442	3.8202	-1.2556	0.1981	0.0019
x		2.5122	0.4543	0.6718	4.2723	3.7467	-1.0105	0.3842	-0.4184
%RSD		3.6905	5.0965	7.2384	4.1265	1.6374	16.6580	71.0350	127.2600

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	20:09:27	80.25%	-0.0128	0.5287	-0.0096	0.0466	0.0345	81.87%	0.0000
2	20:10:04	81.13%	-0.0136	0.2830	-0.0133	0.0642	0.0134	84.01%	0.0000
3	20:10:40	82.32%	-0.0139	1.4305	-0.0150	0.0375	0.0272	85.62%	0.0000
4	20:11:17	83.17%	-0.0016	1.7007	-0.0090	0.0256	0.0416	86.55%	0.0000
5	20:11:54	83.45%	-0.0091	1.6525	-0.0091	0.0457	0.0403	87.13%	0.0000
x		82.06%	-0.0102	1.1191	-0.0112	0.0439	0.0314	85.03%	0.0000
%RSD		1.65	50.7920	59.3990	25.0010	32.1510	36.8830	2.50	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	20:09:27	-0.0256	108.2400	106.4600	83.11%	-0.0566	-0.0566	0.7429	0.8317
2	20:10:04	-0.0091	107.4000	107.4200	86.86%	-0.0549	-0.0540	0.6718	0.7774
3	20:10:40	-0.0076	107.8200	107.4900	88.95%	-0.0612	-0.0533	0.7465	0.7467
4	20:11:17	0.0276	106.5000	105.0600	91.11%	-0.0570	-0.0571	0.6997	0.7253
5	20:11:54	0.0287	108.8100	106.8800	91.81%	-0.0588	-0.0544	0.7003	0.7675
x		0.0028	107.7500	106.6600	88.37%	-0.0577	-0.0551	0.7123	0.7697
%RSD		869.4100	0.8135	0.9283	3.98	4.1491	3.0446	4.4670	5.2027

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	20:09:27	0.7622	85.81%	-0.1216
2	20:10:04	0.7373	90.41%	-0.1216
3	20:10:40	0.7476	92.97%	-0.1216
4	20:11:17	0.7370	94.96%	-0.1216
5	20:11:54	0.7539	96.39%	-0.1216
x		0.7476	92.11%	-0.1216
%RSD		1.4549	4.53	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	20:15:24	84.60%	-0.0133	TM 60625.0000	TM 60011.0000	TM 60516.0000	7.9866	TM 287690.0000	81.32%
2	20:16:01	87.22%	-0.0106	TM 61403.0000	TM 60620.0000	TM 61239.0000	8.0541	TM 291160.0000	84.04%
3	20:16:38	88.06%	-0.0125	TM 61892.0000	TM 60961.0000	TM 61439.0000	8.2252	TM 291250.0000	85.59%
4	20:17:15	88.82%	-0.0047	TM 61976.0000	TM 61424.0000	TM 61986.0000	8.1765	TM 293340.0000	87.35%
5	20:17:52	89.26%	-0.0033	TM 61948.0000	TM 61327.0000	TM 62077.0000	8.2371	TM 293520.0000	88.12%
x		87.59%	-0.0089	TM 61569.0000	TM 60869.0000	TM 61451.0000	8.1359	TM 291390.0000	85.28%
%RSD		2.10	51.7910	TM 0.9375	TM 0.9456	TM 1.0287	1.3583	TM 0.8074	3.19

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	20:15:24	0.4415	0.0335	0.3711	ID 191.8000	TM 6512.2000	T 4682.6000	7806.4000	8.3711
2	20:16:01	0.4391	0.2684	0.3865	ID 195.5200	TM 6549.0000	T 4699.7000	7476.5000	8.0816
3	20:16:38	0.4553	0.3056	0.3576	ID 194.7700	TM 6566.6000	T 4744.7000	7395.5000	8.1541
4	20:17:15	0.4555	0.2207	0.3556	ID 194.8800	TM 6560.9000	T 4754.3000	7384.5000	8.0685
5	20:17:52	0.4214	0.0505	0.3423	ID 195.8100	TM 6549.1000	T 4765.2000	7424.5000	8.2077
x		0.4425	0.1757	0.3627	ID 194.5600	TM 6547.6000	T 4729.3000	7497.5000	8.1766
%RSD		3.1757	71.6270	4.6347	ID 0.8223	TM 0.3233	T 0.7633	2.3519	1.4981

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	20:15:24	17.3080	2.9649	4.3182	TM 49930.0000	170.7600	-0.8062	-3.4921	37.8460
2	20:16:01	16.3190	3.0134	4.5104	TM 49715.0000	168.6800	-0.7136	-1.4059	30.0610
3	20:16:38	16.7060	2.8783	4.2914	TM 49789.0000	169.6200	-1.1282	-0.8331	26.5380
4	20:17:15	16.7760	3.0623	4.1400	TM 49722.0000	167.4500	-0.9201	-1.6079	29.0550
5	20:17:52	16.2060	3.1165	4.3049	TM 49286.0000	167.1600	-0.7519	-0.9495	27.8660
x		16.6630	3.0071	4.3130	TM 49688.0000	168.7300	-0.8640	-1.6577	30.2730
%RSD		2.6135	3.0400	3.0550	TM 0.4849	0.8892	19.3200	64.7780	14.6450

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	20:15:24	79.18%	0.0546	1.0119	0.0336	61.4410	60.6230	78.92%	0.0000
2	20:16:01	82.45%	0.0268	1.6964	0.0350	60.2400	60.4400	82.62%	0.0000
3	20:16:38	83.69%	0.0392	1.2710	0.0278	60.1730	60.6840	84.69%	0.0000
4	20:17:15	85.28%	0.0419	2.0973	0.0465	60.4660	60.4780	85.86%	0.0000
5	20:17:52	86.16%	0.0472	0.1600	0.0346	60.9150	59.8730	86.52%	0.0000
x		83.35%	0.0419	1.2473	0.0355	60.6470	60.4200	83.72%	0.0000
%RSD		3.28	24.5080	58.9470	19.0780	0.8743	0.5321	3.66	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	20:15:24	197.2300	45.3460	45.7920	83.89%	0.4561	0.4408	199.4200	217.3700
2	20:16:01	197.5300	46.8870	45.6970	87.98%	0.4468	0.4708	200.4200	218.2900
3	20:16:38	198.1600	46.9880	45.5070	90.31%	0.4543	0.4305	199.0000	216.9800
4	20:17:15	198.0500	45.8230	46.0860	91.68%	0.4567	0.4404	199.0900	218.8700
5	20:17:52	198.1200	46.4740	45.2370	91.75%	0.4136	0.4396	199.3700	218.7500
x		197.8200	46.3040	45.6640	89.12%	0.4455	0.4444	199.4600	218.0500
%RSD		0.2093	1.5221	0.6951	3.70	4.1064	3.4514	0.2825	0.3853

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	20:15:24	210.3700	80.83%	-0.1216
2	20:16:01	210.7100	84.42%	-0.1216
3	20:16:38	209.9400	86.66%	-0.1216
4	20:17:15	211.5600	87.56%	-0.1216
5	20:17:52	210.7900	87.94%	-0.1216
x		210.6700	85.48%	-0.1216
%RSD		0.2830	3.44	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	20:21:32	88.70%	-0.0190	T 18650.0000	T 18630.0000	T 18592.0000	1.5466	TM 115970.0000	83.94%
2	20:22:08	88.83%	-0.0302	T 19047.0000	T 18929.0000	T 19049.0000	1.6243	TM 117700.0000	84.75%
3	20:22:45	89.89%	-0.0255	T 19106.0000	T 19115.0000	T 19130.0000	1.4226	TM 117930.0000	85.95%
4	20:23:22	90.46%	-0.0271	T 19365.0000	T 19233.0000	T 19340.0000	1.4625	TM 118530.0000	85.53%
5	20:23:58	90.63%	-0.0225	T 19340.0000	T 19325.0000	T 19276.0000	1.4724	TM 119280.0000	86.56%
x		89.70%	-0.0249	T 19102.0000	T 19046.0000	T 19077.0000	1.5057	TM 117880.0000	85.34%
%RSD		1.00	17.3630	T 1.5113	T 1.4492	T 1.5452	5.3149	TM 1.0438	1.20

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	20:21:32	0.7122	0.0767	0.2491	ID 285.3000	T 2016.3000	T 6911.8000	8531.3000	2.0216
2	20:22:08	0.7427	-0.0037	0.2324	ID 289.0100	T 2010.7000	T 6948.7000	8424.2000	2.0211
3	20:22:45	0.5933	0.0540	0.1630	ID 290.8400	T 2016.0000	T 6952.1000	8417.2000	2.0763
4	20:23:22	0.6551	0.1020	0.2152	ID 292.9900	T 2036.1000	T 7045.8000	8439.0000	2.0515
5	20:23:58	0.6243	-0.0068	0.1754	ID 289.6700	T 2016.2000	T 6976.4000	8253.6000	1.9860
x		0.6655	0.0444	0.2070	ID 289.5600	T 2019.1000	T 6967.0000	8413.1000	2.0313
%RSD		9.2511	109.0000	17.7760	ID 0.9744	T 0.4853	T 0.7138	1.1919	1.6849

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	20:21:32	7.4420	1.5807	2.2888	TM 11226.0000	201.9500	-0.5463	0.5727	7.1367
2	20:22:08	7.5929	1.5680	2.2993	TM 11193.0000	200.1500	-0.9635	0.1378	8.0130
3	20:22:45	7.5818	1.7124	2.2411	TM 11178.0000	199.7600	-0.8209	-0.1677	6.0795
4	20:23:22	7.2946	1.6436	2.1206	TM 11276.0000	199.2900	-1.1221	0.5950	5.6010
5	20:23:58	7.3774	1.5999	2.1109	TM 11101.0000	198.4000	-1.1560	-0.3225	6.2953
x		7.4577	1.6209	2.2121	TM 11195.0000	199.9100	-0.9218	0.1631	6.6251
%RSD		1.7349	3.6179	4.1023	TM 0.5751	0.6582	27.0090	256.5400	14.4050

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	20:21:32	79.37%	0.0087	1.2657	-0.0013	14.4320	14.4540	80.72%	0.0000
2	20:22:08	81.41%	-0.0011	0.6721	0.0058	14.8220	14.6150	83.51%	0.0000
3	20:22:45	82.30%	0.0083	0.1250	-0.0005	14.9850	14.5710	84.92%	0.0000
4	20:23:22	83.00%	0.0038	1.4328	-0.0021	14.8200	14.8720	85.58%	0.0000
5	20:23:58	84.14%	0.0029	1.5676	0.0033	14.7420	14.6980	86.52%	0.0000
x		82.04%	0.0045	1.0126	0.0010	14.7600	14.6420	84.25%	0.0000
%RSD		2.19	90.2910	59.5070	322.4500	1.3800	1.0647	2.68	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	20:21:32	381.1900	123.3700	124.4100	83.28%	1.6640	1.5748	85.9030	92.5010
2	20:22:08	376.4200	124.5500	124.2600	86.29%	1.6182	1.5918	84.9120	92.4570
3	20:22:45	379.4900	126.4500	124.6900	88.52%	1.5881	1.5658	85.1310	92.4890
4	20:23:22	381.6100	123.5000	124.6100	90.10%	1.6833	1.5762	85.7440	93.5980
5	20:23:58	382.7800	123.2100	124.5100	90.81%	1.6317	1.6021	85.5950	93.3350
x		380.3000	124.2200	124.4900	87.80%	1.6371	1.5821	85.4570	92.8760
%RSD		0.6496	1.0905	0.1328	3.49	2.2941	0.9212	0.4907	0.5890

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	20:21:32	89.5890	85.09%	-0.1216
2	20:22:08	89.2490	88.91%	-0.1216
3	20:22:45	89.4390	91.02%	-0.1216
4	20:23:22	90.1760	92.11%	-0.1216
5	20:23:58	89.6820	93.40%	0.5401
x		89.6270	90.11%	0.0107
%RSD		0.3881	3.61	2761.2000

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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	20:27:28	92.55%	-0.0211	T 12114.0000	12661.0000	T 12196.0000	8.7699	M 74793.0000	85.81%
2	20:28:05	92.63%	-0.0181	T 12394.0000	13030.0000	T 12468.0000	9.2071	M 75884.0000	85.80%
3	20:28:42	93.61%	-0.0273	T 12458.0000	T 12552.0000	T 12558.0000	8.7027	TM 78195.0000	86.72%
4	20:29:19	94.32%	-0.0289	T 12467.0000	T 12558.0000	T 12657.0000	8.5982	TM 78468.0000	86.91%
5	20:29:56	94.10%	-0.0228	T 12617.0000	13142.0000	T 12748.0000	8.9329	TM 79106.0000	86.35%
x		93.44%	-0.0237	T 12410.0000	T 12789.0000	T 12526.0000	8.8422	TM 77289.0000	86.32%
%RSD		0.88	18.8660	T 1.4866	T 2.1729	T 1.6915	2.6857	TM 2.3961	0.59

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	20:27:28	0.2540	0.2398	0.5474	ID 0.2814	67.5990	13.6560	851.6600	0.4150
2	20:28:05	0.1838	0.5137	0.5919	ID 0.1031	67.4970	10.3400	725.3500	0.3922
3	20:28:42	0.2896	0.4217	0.5462	ID 0.2224	67.7430	6.2672	688.7800	0.3734
4	20:29:19	0.2181	0.7853	0.6086	ID 0.1472	67.6850	4.8981	686.0500	0.3741
5	20:29:56	0.2309	0.8535	0.5909	ID 0.4426	67.8070	2.5575	610.4200	0.3471
x		0.2353	0.5628	0.5770	ID 0.2393	67.6660	7.5438	712.4500	0.3804
%RSD		16.8200	45.3590	4.9327	ID 55.4450	0.1800	58.7870	12.3990	6.6128

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	20:27:28	2.7948	3.2568	3.2578	488.8100	1.7313	0.2839	1.2045	0.5195
2	20:28:05	2.7057	3.2373	3.2326	487.2300	1.5990	0.7323	1.1465	0.3636
3	20:28:42	2.6339	3.2147	3.2537	486.2600	1.8196	0.0476	1.0660	0.5587
4	20:29:19	2.4418	3.1054	3.0794	489.7200	1.8254	0.3137	1.2609	0.6027
5	20:29:56	2.5643	3.2127	3.0664	490.6200	1.6259	-0.1096	1.0963	-0.5002
x		2.6281	3.2054	3.1780	488.5300	1.7202	0.2536	1.1548	0.3089
%RSD		5.1265	1.8329	3.0368	0.3650	6.1417	125.9600	6.8613	149.3000

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	20:27:28	82.55%	0.0133	0.2912	0.0098	4.2593	4.2258	82.76%	0.0000
2	20:28:05	84.66%	0.0173	0.3038	0.0184	4.2406	4.0895	85.11%	0.0000
3	20:28:42	84.71%	0.0090	0.3602	0.0185	4.2281	4.2708	86.11%	0.0000
4	20:29:19	85.24%	0.0215	1.1044	0.0158	4.1730	4.1775	86.90%	0.0000
5	20:29:56	86.22%	0.0129	0.5982	0.0140	4.2468	4.1852	87.56%	0.0000
x		84.67%	0.0148	0.5316	0.0153	4.2296	4.1898	85.69%	0.0000
%RSD		1.58	32.2160	64.5950	23.4820	0.7940	1.6047	2.19	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	20:27:28	5.1256	73.9250	71.0860	84.48%	0.0413	0.0318	1.3002	1.4545
2	20:28:05	5.1183	72.3290	71.8150	88.15%	0.0370	0.0265	1.3523	1.4552
3	20:28:42	5.2132	71.9380	71.2740	T 93.19%	0.0189	0.0253	1.4072	1.4746
4	20:29:19	5.1908	72.2280	71.4820	T 94.83%	0.0269	0.0320	1.4200	1.4319
5	20:29:56	5.0569	72.7650	72.3200	93.09%	0.0348	0.0333	1.3021	1.5764
x		5.1410	72.6370	71.5950	T 90.75%	0.0318	0.0298	1.3564	1.4785
%RSD		1.2112	1.0725	0.6804	T 4.74	28.0070	12.1830	4.1628	3.8401

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	20:27:28	1.4078	84.06%	-0.1216
2	20:28:05	1.4104	88.06%	-0.1216
3	20:28:42	1.4386	91.14%	-0.1216
4	20:29:19	1.4554	92.54%	-0.1216
5	20:29:56	1.4486	94.11%	-0.1216
x		1.4321	89.98%	-0.1216
%RSD		1.5281	4.43	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	20:33:26	93.13%	-0.0212	T 9733.9000	9979.1000	10140.0000	4.4454	TM 77478.0000	84.62%
2	20:34:03	93.85%	-0.0213	T 9812.8000	10163.0000	10221.0000	4.2579	TM 78131.0000	84.88%
3	20:34:40	93.49%	-0.0243	T 9876.1000	10255.0000	10361.0000	4.2379	TM 78280.0000	84.97%
4	20:35:16	92.91%	-0.0150	T 9998.1000	10399.0000	10346.0000	4.2670	TM 78722.0000	85.30%
5	20:35:53	94.06%	-0.0228	T 9966.8000	10316.0000	10289.0000	4.2739	TM 78593.0000	85.80%
x		93.49%	-0.0209	T 9877.6000	10223.0000	10271.0000	4.2964	TM 78241.0000	85.11%
%RSD		0.51	16.8820	T 1.1014	1.5750	0.8933	1.9641	TM 0.6232	0.53

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	20:33:26	0.2408	0.1577	0.5108	ID 0.0076	27.4000	0.9438	780.8800	0.4240
2	20:34:03	0.2332	-0.1972	0.4984	ID 0.0011	27.3310	-0.2485	731.5900	0.3754
3	20:34:40	0.2023	-0.0249	0.4912	ID 0.0433	27.3770	-4.3434	635.9900	0.3813
4	20:35:16	0.2173	0.3360	0.5589	ID 0.0856	27.5670	-4.3781	641.2300	0.3725
5	20:35:53	0.1758	0.7885	0.5343	ID 0.0451	27.5040	-6.8461	659.5800	0.3862
x		0.2139	0.2120	0.5187	ID 0.0366	27.4360	-2.9745	689.8500	0.3879
%RSD		12.1270	178.6900	5.3626	ID 92.9680	0.3540	108.4400	9.2278	5.3771

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	20:33:26	2.6752	2.3636	2.5652	887.9100	1.4957	0.7355	2.2705	0.0560
2	20:34:03	2.8693	2.3344	2.5990	891.0200	1.5567	0.8621	2.5860	0.2110
3	20:34:40	2.6853	2.2617	2.5626	896.7900	1.7145	0.5419	2.2308	0.3084
4	20:35:16	2.7996	2.4855	2.6190	892.2600	1.1146	0.3175	1.2952	0.7286
5	20:35:53	2.5505	2.4325	2.6800	889.8900	1.5314	0.4985	1.8987	-0.3081
x		2.7160	2.3755	2.6052	891.5700	1.4826	0.5911	2.0563	0.1992
%RSD		4.5275	3.6540	1.8455	0.3731	14.9780	35.9030	23.8380	189.5700

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	20:33:26	82.18%	-0.0184	-0.3213	-0.0163	6.2793	6.1667	84.04%	0.0000
2	20:34:03	83.49%	-0.0145	0.9862	-0.0146	6.1969	6.3120	85.53%	0.0000
3	20:34:40	84.47%	-0.0160	-0.0971	-0.0109	6.1705	6.1494	86.43%	0.0000
4	20:35:16	84.14%	-0.0189	1.4998	-0.0162	5.9138	6.1049	87.50%	0.0000
5	20:35:53	84.50%	-0.0098	0.9176	-0.0087	6.0768	6.2437	87.73%	0.0000
x		83.75%	-0.0155	0.5970	-0.0133	6.1275	6.1953	86.25%	0.0000
%RSD		1.16	23.7210	129.5800	25.2840	2.2781	1.3276	1.76	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	20:33:26	6.8253	42.9560	41.6140	86.41%	0.0368	0.0386	2.8074	3.1057
2	20:34:03	7.2417	41.8170	42.1350	88.95%	0.0512	0.0438	2.8229	3.3072
3	20:34:40	7.0392	42.6630	41.3140	90.25%	0.0356	0.0407	2.8216	3.1366
4	20:35:16	6.8117	41.8840	41.6990	91.22%	0.0331	0.0389	2.7147	3.0443
5	20:35:53	7.0887	42.1910	41.9630	91.78%	0.0270	0.0415	2.8260	3.0384
x		7.0013	42.3020	41.7450	89.72%	0.0367	0.0407	2.7985	3.1264
%RSD		2.6124	1.1702	0.7624	2.39	24.3190	5.2198	1.6940	3.4927

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	20:33:26	2.9532	89.07%	-0.1216
2	20:34:03	2.9937	91.99%	-0.1216
3	20:34:40	2.9179	93.16%	-0.1216
4	20:35:16	2.9277	94.53%	-0.1216
5	20:35:53	2.9182	95.26%	0.5272
x		2.9421	92.80%	0.0081
%RSD		1.0950	2.63	3566.5000

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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	20:39:24	90.45%	-0.0224	T 9668.2000	9976.0000	10018.0000	4.4311	M 75269.0000	81.47%
2	20:40:01	92.34%	-0.0087	T 9725.3000	10115.0000	10175.0000	4.3715	TM 77902.0000	82.99%
3	20:40:38	92.90%	-0.0242	T 9812.6000	10222.0000	10295.0000	4.4521	TM 77643.0000	84.29%
4	20:41:14	92.75%	-0.0196	T 9791.7000	10166.0000	10324.0000	4.5297	M 76815.0000	83.22%
5	20:41:51	92.08%	-0.0241	T 9929.6000	10307.0000	10306.0000	4.4415	TM 78531.0000	84.03%
x		92.10%	-0.0198	T 9785.5000	10157.0000	10224.0000	4.4452	TM 77232.0000	83.20%
%RSD		1.06	32.7870	T 1.0082	1.2197	1.2632	1.2748	TM 1.6291	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	20:39:24	0.2598	0.1220	0.5861	ID -0.0620	27.8860	1.7838	833.5200	0.4592
2	20:40:01	0.2322	0.5689	0.5977	ID 0.0649	28.1720	-2.0776	781.4100	0.4365
3	20:40:38	0.1869	0.3450	0.5275	ID 0.0399	27.8440	-3.5984	672.7100	0.4076
4	20:41:14	0.1803	0.3119	0.5700	ID 0.1633	27.6920	-3.8657	661.0800	0.4086
5	20:41:51	0.1812	0.3809	0.5231	ID -0.0376	28.0680	-5.7050	659.2800	0.4211
x		0.2081	0.3457	0.5609	ID 0.0337	27.9320	-2.6926	721.6000	0.4266
%RSD		17.3230	46.2390	6.0577	ID 265.4800	0.6779	104.5300	11.1810	5.0815

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	20:39:24	3.0086	2.2879	2.8087	897.5900	1.7106	0.4262	2.2598	0.6999
2	20:40:01	2.8698	2.3877	2.8253	903.1300	1.6309	0.4078	2.1637	0.8258
3	20:40:38	2.6399	2.3276	2.6360	895.9700	1.7437	0.9720	2.2144	-0.5816
4	20:41:14	2.7855	2.2922	2.5864	904.1500	1.7013	0.2402	1.7166	0.7983
5	20:41:51	2.9091	2.3378	2.6083	898.4800	1.3127	0.3135	1.8469	1.2911
x		2.8426	2.3266	2.6929	899.8700	1.6198	0.4720	2.0403	0.6067
%RSD		4.8823	1.7377	4.2619	0.3979	10.9000	61.3270	11.9030	115.7800

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	20:39:24	79.17%	-0.0099	0.3175	-0.0123	6.4003	6.1623	80.22%	0.0000
2	20:40:01	80.83%	-0.0068	0.0004	-0.0157	6.1102	6.1366	83.36%	0.0000
3	20:40:38	82.58%	-0.0019	0.6556	0.0030	6.1791	6.1746	84.39%	0.0000
4	20:41:14	82.90%	-0.0007	0.2301	-0.0015	6.1989	6.1827	85.02%	0.0000
5	20:41:51	82.61%	-0.0106	0.8533	-0.0101	6.2523	6.2866	84.92%	0.0000
x		81.62%	-0.0060	0.4114	-0.0073	6.2282	6.1886	83.58%	0.0000
%RSD		1.96	75.2350	82.9280	106.4900	1.7478	0.9296	2.38	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	20:39:24	6.8224	41.5570	41.8290	82.51%	0.0379	0.0405	3.0652	3.2006
2	20:40:01	6.8652	42.6840	42.0650	85.85%	0.0444	0.0454	2.8886	3.1871
3	20:40:38	6.9016	41.0990	41.5300	87.69%	0.0458	0.0369	2.8379	3.1568
4	20:41:14	6.9754	41.2100	40.9170	T 91.68%	0.0341	0.0460	2.9682	3.1262
5	20:41:51	6.9289	41.8090	41.6920	88.64%	0.0366	0.0411	2.9319	3.2435
x		6.8987	41.6720	41.6070	T 87.27%	0.0398	0.0420	2.9384	3.1828
%RSD		0.8497	1.5172	1.0394	T 3.89	12.7430	8.9367	2.9279	1.3962

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	20:39:24	3.1218	85.31%	-0.1216
2	20:40:01	3.0117	89.00%	-0.1216
3	20:40:38	3.0292	91.08%	-0.1216
4	20:41:14	3.0435	92.17%	-0.1216
5	20:41:51	3.0542	92.33%	0.5478
x		3.0521	89.98%	0.0123
%RSD		1.3799	3.26	2442.1000

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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	20:45:23	92.42%	-0.0164	T 12340.0000	12897.0000	T 12435.0000	10.3410	TM 92194.0000	83.21%
2	20:46:00	93.28%	-0.0074	T 12469.0000	13016.0000	T 12642.0000	10.3100	TM 92793.0000	84.15%
3	20:46:37	93.84%	-0.0152	T 12592.0000	13173.0000	T 12693.0000	10.4490	TM 93292.0000	85.02%
4	20:47:13	94.07%	-0.0213	T 12660.0000	13164.0000	T 12757.0000	10.2010	TM 93934.0000	85.88%
5	20:47:50	94.44%	-0.0244	T 12814.0000	13372.0000	T 12916.0000	10.5090	TM 94290.0000	85.51%
x		93.61%	-0.0169	T 12575.0000	13125.0000	T 12689.0000	10.3620	TM 93300.0000	84.75%
%RSD		0.84	38.2880	T 1.4401	1.3657	T 1.3815	1.1651	TM 0.9067	1.27

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	20:45:23	0.2102	0.2819	0.6247	ID 0.3460	68.3050	10.3560	1072.8000	0.4583
2	20:46:00	0.2376	0.6437	0.6187	ID 0.1995	67.6480	6.1027	884.1100	0.4588
3	20:46:37	0.1703	0.1850	0.5990	ID 0.2118	67.5530	3.8803	862.9900	0.4292
4	20:47:13	0.2106	0.2197	0.6050	ID 0.2507	67.6630	4.2007	835.2700	0.4276
5	20:47:50	0.1782	0.1593	0.6117	ID 0.2247	68.0810	1.6459	794.4100	0.3945
x		0.2014	0.2979	0.6118	ID 0.2465	67.8500	5.2371	889.9200	0.4337
%RSD		13.5480	66.6850	1.6790	ID 23.8360	0.4800	62.4320	12.0930	6.1384

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	20:45:23	3.2177	1.6691	2.1212	1005.8000	1.1292	-0.9358	0.6513	0.7104
2	20:46:00	3.2173	1.6472	1.9654	1000.7000	1.2051	-0.6344	0.4270	1.0357
3	20:46:37	3.0772	1.7479	1.8759	1007.0000	1.1519	-0.8842	0.6298	0.8589
4	20:47:13	3.1587	1.7046	2.0550	999.4600	1.1398	-1.0874	0.5892	0.5955
5	20:47:50	3.0132	1.6840	1.8678	1003.3000	1.0281	-1.2051	0.4442	1.1757
x		3.1368	1.6906	1.9771	1003.3000	1.1308	-0.9494	0.5483	0.8752
%RSD		2.8656	2.2664	5.6069	0.3209	5.6962	22.8400	19.2290	26.9000

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	20:45:23	80.22%	-0.0126	-0.9782	-0.0043	8.4709	8.3247	80.71%	0.0000
2	20:46:00	82.14%	-0.0059	0.4097	-0.0094	8.5471	8.4590	83.27%	0.0000
3	20:46:37	82.81%	-0.0081	-0.2842	-0.0110	8.4208	8.3011	84.19%	0.0000
4	20:47:13	83.97%	-0.0051	0.1182	0.0055	8.5245	8.4310	85.27%	0.0000
5	20:47:50	84.71%	0.0011	0.0804	0.0014	8.4970	8.4198	86.23%	0.0000
x		82.77%	-0.0061	-0.1308	-0.0036	8.4921	8.3871	83.94%	0.0000
%RSD		2.10	81.0860	408.2100	197.5200	0.5777	0.8317	2.53	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	20:45:23	7.0396	102.7500	102.3000	82.60%	0.2913	0.2863	0.1207	0.1963
2	20:46:00	6.9149	101.5200	101.7600	85.68%	0.3008	0.3003	0.1469	0.1772
3	20:46:37	7.0086	101.6700	102.1200	87.21%	0.3230	0.2946	0.1449	0.1494
4	20:47:13	6.9908	102.2000	102.3700	89.15%	0.3170	0.3065	0.1576	0.1794
5	20:47:50	6.9694	100.5200	99.3420	T 93.12%	0.3064	0.3132	0.1564	0.1387
x		6.9847	101.7300	101.5800	T 87.55%	0.3077	0.3002	0.1453	0.1682
%RSD		0.6689	0.8212	1.2524	T 4.49	4.1020	3.4705	10.2010	14.0090

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	20:45:23	0.1722	83.42%	-0.1216
2	20:46:00	0.1614	86.49%	-0.1216
3	20:46:37	0.1663	88.79%	-0.1216
4	20:47:13	0.1512	90.39%	0.5622
5	20:47:50	0.1534	91.39%	-0.1216
x		0.1609	88.10%	0.0151
%RSD		5.4397	3.64	2021.6000

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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	20:51:22	90.93%	-0.0193	5.1593	5.5760	5.8779	-0.1887	28.9930	84.35%
2	20:51:59	92.34%	-0.0149	7.4849	9.0631	7.8822	-0.1630	48.2940	86.20%
3	20:52:35	93.26%	-0.0182	7.6923	7.6244	8.1196	-0.1900	43.2750	86.84%
4	20:53:12	93.20%	-0.0166	6.0547	6.5537	7.5396	-0.1899	34.2140	87.60%
5	20:53:49	94.33%	-0.0153	5.9751	7.2641	5.8694	-0.1391	32.7480	87.88%
x		92.81%	-0.0169	6.4733	7.2162	7.0577	-0.1741	37.5050	86.57%
%RSD		1.36	11.0710	16.6720	17.9470	15.5920	13.0550	21.3150	1.62

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	20:51:22	0.0978	-0.0906	0.0034	ID -0.1768	0.0539	-3.7740	-3.7999	-0.0158
2	20:51:59	0.0893	-0.0435	-0.0609	ID -0.0983	0.0641	-6.1276	-8.7156	-0.0151
3	20:52:35	0.0739	0.0021	0.0325	ID -0.1082	0.0818	-5.7574	-9.4543	-0.0138
4	20:53:12	0.0539	0.0298	-0.0664	ID -0.1498	0.0558	-7.6740	-10.3800	-0.0105
5	20:53:49	0.0442	0.0082	-0.0478	ID -0.1526	0.0417	-6.7529	-9.3334	-0.0139
x		0.0718	-0.0188	-0.0278	ID -0.1372	0.0595	-6.0172	-8.3367	-0.0138
%RSD		31.6970	256.5100	156.6300	ID 23.9490	24.9820	24.0800	31.2480	14.7180

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	20:51:22	-0.0014	-0.0262	-0.0257	0.1743	-0.0280	-0.8639	-0.0066	-0.3836
2	20:51:59	-0.0304	-0.0110	-0.0369	0.3740	0.1231	-1.0708	0.3977	-0.9914
3	20:52:35	-0.0400	-0.0264	-0.0374	0.4368	-0.0399	-1.0218	-0.1623	0.6798
4	20:53:12	-0.0072	-0.0184	-0.0251	0.3305	0.1043	-1.0744	0.3690	-1.0668
5	20:53:49	-0.0164	-0.0173	-0.0428	0.1478	0.0680	-0.8080	0.2164	-0.7488
x		-0.0191	-0.0199	-0.0336	0.2927	0.0455	-0.9678	0.1628	-0.5022
%RSD		83.8530	32.7480	23.2980	43.1540	165.5300	12.7840	148.8100	141.8700

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	20:51:22	82.87%	0.0108	-0.2619	0.0103	-0.0063	-0.0111	84.23%	0.0000
2	20:51:59	84.63%	0.0233	0.3609	0.0245	-0.0064	-0.0101	87.42%	0.0000
3	20:52:35	86.58%	0.0303	0.1922	0.0296	-0.0109	-0.0101	88.97%	0.0000
4	20:53:12	87.38%	0.0167	0.5229	0.0161	-0.0065	-0.0128	89.06%	0.0000
5	20:53:49	87.71%	0.0077	1.0795	0.0120	-0.0022	-0.0122	90.48%	0.0000
x		85.83%	0.0177	0.3787	0.0185	-0.0065	-0.0112	88.03%	0.0000
%RSD		2.38	51.8630	129.1800	44.8200	47.5980	11.1300	2.71	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	20:51:22	-0.2421	-0.0428	-0.0411	84.68%	-0.0588	-0.0573	-0.0129	-0.0178
2	20:51:59	-0.2382	0.0195	-0.0015	87.77%	-0.0607	-0.0549	-0.0102	-0.0255
3	20:52:35	-0.2434	-0.0023	-0.0101	89.93%	-0.0624	-0.0553	-0.0058	-0.0102
4	20:53:12	-0.2451	-0.0366	-0.0297	T 94.30%	-0.0594	-0.0546	-0.0136	-0.0231
5	20:53:49	-0.2392	-0.0171	-0.0299	T 94.93%	-0.0574	-0.0528	-0.0126	-0.0156
x		-0.2416	-0.0158	-0.0224	T 90.32%	-0.0597	-0.0550	-0.0111	-0.0185
%RSD		1.1843	160.6600	72.1590	T 4.81	3.2214	2.9409	28.7590	32.8680

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	20:51:22	-0.0188	90.11%	-0.1216
2	20:51:59	-0.0146	94.51%	-0.1216
3	20:52:35	-0.0139	96.63%	-0.1216
4	20:53:12	-0.0168	97.80%	-0.1216
5	20:53:49	-0.0136	98.62%	-0.1216
x		-0.0156	95.53%	-0.1216
%RSD		14.2580	3.56	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	20:57:19	89.11%	251.6700	974.3600	991.1400	989.3000	242.3400	996.6500	81.87%
2	20:57:56	88.46%	252.4500	988.9700	1001.2000	1000.8000	243.6600	1016.3000	83.08%
3	20:58:32	88.20%	252.8800	1005.7000	1021.3000	1034.7000	243.7000	1001.7000	82.54%
4	20:59:10	89.47%	248.9100	997.5300	1005.8000	1008.9000	241.9300	1034.6000	83.04%
5	20:59:47	89.91%	248.5400	1000.8000	1006.0000	1020.3000	241.7600	1034.0000	82.94%
x		89.03%	250.8900	993.4700	1005.1000	1010.8000	242.6800	1016.7000	82.69%
%RSD		0.79	0.8084	1.2381	1.0842	1.7330	0.3864	1.7383	0.61

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	20:57:19	0.1015	243.0100	240.8400	ID 44.4960	239.1900	1000.6000	1010.5000	246.7500
2	20:57:56	0.0414	243.7500	239.9000	ID 44.2810	238.1500	1004.1000	993.6300	245.4700
3	20:58:32	0.0488	241.8300	240.1900	ID 45.4250	240.5500	1016.2000	1002.1000	246.7300
4	20:59:10	0.0496	241.2100	240.3100	ID 44.5780	239.8000	1021.1000	1001.8000	245.1800
5	20:59:47	0.0366	243.0200	240.9600	ID 45.1950	240.5000	1014.1000	995.2500	243.9200
x		0.0556	242.5600	240.4400	ID 44.7950	239.6300	1011.2000	1000.7000	245.6100
%RSD		47.1740	0.4225	0.1872	ID 1.0921	0.4186	0.8491	0.6675	0.4835

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	20:57:19	247.3100	243.1200	244.8200	243.2500	245.5600	241.4200	246.8000	0.2003
2	20:57:56	244.9400	240.9500	242.8200	242.3100	241.0700	240.5700	242.8200	0.8131
3	20:58:32	244.0500	241.2600	245.6200	244.7200	241.5200	237.8800	238.8000	0.7296
4	20:59:10	243.8700	242.7000	243.5700	240.8200	242.1300	238.7300	245.4800	0.7052
5	20:59:47	243.8800	241.2300	243.4300	243.1100	238.7600	236.6300	240.8300	-0.1480
x		244.8100	241.8500	244.0500	242.8400	241.8100	239.0400	242.9400	0.4600
%RSD		0.5981	0.4068	0.4672	0.5867	1.0159	0.8170	1.3491	90.5800

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	20:57:19	80.71%	243.4100	-0.5751	242.6100	243.2700	243.4200	83.02%	0.0000
2	20:57:56	82.60%	242.7300	-2.1439	242.2400	243.9200	244.6500	84.76%	0.0000
3	20:58:32	83.00%	242.6800	-0.3884	242.8600	245.4400	244.2800	86.00%	0.0000
4	20:59:10	83.47%	242.9800	-0.5677	243.8200	246.1000	244.8400	86.00%	0.0000
5	20:59:47	84.25%	241.4300	-0.1372	242.3000	244.6400	243.7300	86.82%	0.0000
x		82.80%	242.6500	-0.7625	242.7700	244.6800	244.1800	85.32%	0.0000
%RSD		1.60	0.3041	103.9400	0.2630	0.4656	0.2475	1.73	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	20:57:19	240.1500	244.9500	245.7600	83.05%	244.7400	239.3700	245.3800	246.7400
2	20:57:56	241.2000	241.0100	241.6700	T 88.40%	243.4000	238.0600	241.3400	242.4100
3	20:58:32	242.3800	246.2400	245.9600	87.15%	244.7200	239.9900	244.0200	245.3400
4	20:59:10	243.7000	245.7300	245.1800	87.93%	243.6800	238.8500	243.5500	244.1000
5	20:59:47	243.6100	247.2000	245.6400	88.97%	243.8400	238.6900	244.3400	245.6800
x		242.2100	245.0300	244.8400	T 87.10%	244.0800	238.9900	243.7300	244.8600
%RSD		0.6356	0.9748	0.7331	T 2.71	0.2526	0.3043	0.6130	0.6774

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	20:57:19	243.1900	88.79%	-0.1216
2	20:57:56	240.7900	93.04%	-0.1216
3	20:58:32	242.9200	94.26%	-0.1216
4	20:59:10	242.4400	95.57%	-0.1216
5	20:59:47	243.4100	96.39%	-0.1216
x		242.5500	93.61%	-0.1216
%RSD		0.4325	3.19	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	21:03:15	88.52%	0.0455	1.6193	2.3839	1.7580	-0.2283	13.8060	81.32%
2	21:03:52	89.37%	0.0478	1.8460	1.8378	1.8962	-0.2671	10.7430	83.14%
3	21:04:29	89.50%	0.0254	1.7906	2.2423	2.1954	-0.2433	10.7290	84.38%
4	21:05:05	90.98%	0.0463	2.2007	2.1868	2.8755	-0.2540	9.3592	85.67%
5	21:05:42	91.09%	0.0447	1.5577	1.8808	2.3843	-0.2188	11.5810	84.95%
x		89.89%	0.0419	1.8029	2.1063	2.2219	-0.2423	11.2440	83.89%
%RSD		1.23	22.2550	13.9790	11.2600	19.8190	7.9969	14.5770	2.04

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	21:03:15	0.0709	-0.0032	-0.0146	ID -0.0665	0.0652	-12.9490	-5.5211	0.0512
2	21:03:52	0.0807	-0.0149	-0.0385	ID -0.1098	0.0622	-13.1030	-7.1654	0.0396
3	21:04:29	0.0670	0.0187	-0.0225	ID -0.1408	0.0540	-13.4470	-5.8956	0.0456
4	21:05:05	0.0537	0.0313	-0.0005	ID -0.1730	0.0645	-12.9730	-6.6690	0.0440
5	21:05:42	0.0371	0.0209	-0.0126	ID -0.0170	0.0508	-12.1050	-7.3267	0.0352
x		0.0618	0.0106	-0.0177	ID -0.1014	0.0594	-12.9160	-6.5155	0.0431
%RSD		27.3140	179.7000	79.1070	ID 60.5640	10.9610	3.8303	12.0780	14.0950

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	21:03:15	0.0236	0.0797	0.0793	-0.0672	0.0546	-0.9035	0.1600	-0.4937
2	21:03:52	0.0024	0.0874	0.0490	0.0246	0.0170	-1.3562	-0.1824	0.1826
3	21:04:29	0.0385	0.1084	0.0624	0.0617	0.0531	-0.9910	0.0079	-0.3042
4	21:05:05	0.0156	0.0642	0.0479	0.0035	0.0208	-1.2354	-0.0859	-0.2012
5	21:05:42	0.0219	0.0691	0.0504	-0.0720	0.0202	-1.3049	-0.0243	-0.1022
x		0.0204	0.0817	0.0578	-0.0099	0.0331	-1.1582	-0.0249	-0.1837
%RSD		64.2210	21.2970	23.1000	590.9100	57.2350	17.2440	506.7100	136.5300

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	21:03:15	80.30%	0.0090	-1.1367	0.0207	0.0297	0.0384	82.27%	0.0000
2	21:03:52	82.72%	0.0157	-0.5038	0.0143	0.0515	0.0309	85.09%	0.0000
3	21:04:29	84.60%	0.0166	0.3034	0.0083	0.0503	0.0547	86.82%	0.0000
4	21:05:05	85.36%	0.0169	-0.0396	0.0153	0.0472	0.0424	88.04%	0.0000
5	21:05:42	86.48%	0.0182	0.4703	0.0186	0.0268	0.0410	88.84%	0.0000
x		83.89%	0.0153	-0.1813	0.0155	0.0411	0.0415	86.21%	0.0000
%RSD		2.90	23.6540	359.2700	30.4880	28.9550	20.7850	3.04	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	21:03:15	0.2029	-0.0129	0.0054	81.84%	-0.0020	-0.0113	0.0407	0.0378
2	21:03:52	0.2358	0.0571	0.0362	85.58%	-0.0067	-0.0020	0.0442	0.0494
3	21:04:29	0.2093	0.0058	0.0264	87.96%	-0.0006	0.0064	0.0480	0.0256
4	21:05:05	0.1375	0.0116	0.0408	89.97%	0.0146	0.0068	0.0539	0.0574
5	21:05:42	0.1405	0.0386	0.0132	90.06%	-0.0001	0.0015	0.0446	0.0348
x		0.1852	0.0200	0.0244	87.08%	0.0011	0.0003	0.0463	0.0410
%RSD		23.7400	138.3200	61.3280	3.96	762.9300	2850.7000	10.7720	30.4780

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	21:03:15	0.0452	88.19%	-0.1216
2	21:03:52	0.0408	91.72%	-0.1216
3	21:04:29	0.0368	94.77%	-0.1216
4	21:05:05	0.0458	96.46%	-0.1216
5	21:05:42	0.0393	97.20%	-0.1216
x		0.0416	93.67%	-0.1216
%RSD		9.2059	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	21:09:12	86.17%	-0.0136	TM 30015.0000	TM 29658.0000	TM 30044.0000	4.0503	TM 146670.0000	78.04%
2	21:09:48	86.30%	-0.0070	TM 30697.0000	TM 30506.0000	TM 30685.0000	4.0420	TM 148060.0000	79.88%
3	21:10:25	87.68%	-0.0026	TM 30890.0000	TM 30543.0000	TM 31039.0000	4.0759	TM 147190.0000	81.59%
4	21:11:02	89.92%	-0.0033	TM 31043.0000	TM 30863.0000	TM 31332.0000	4.0124	TM 149790.0000	82.34%
5	21:11:39	90.00%	-0.0208	TM 31433.0000	TM 31185.0000	TM 31338.0000	4.4374	TM 149410.0000	83.36%
x		88.01%	-0.0094	TM 30816.0000	TM 30551.0000	TM 30887.0000	4.1236	TM 148220.0000	81.04%
%RSD		2.13	81.3230	TM 1.6970	TM 1.8650	TM 1.7559	4.2893	TM 0.9137	2.60

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	21:09:12	0.3059	0.0144	0.1795	ID 97.0440	T 3363.9000	T 2392.4000	3957.0000	4.2041
2	21:09:48	0.2577	-0.0233	0.1319	ID 98.7830	T 3368.0000	T 2412.3000	3794.3000	4.2529
3	21:10:25	0.2222	0.1891	0.1087	ID 98.2670	T 3335.0000	T 2394.6000	3740.2000	4.1439
4	21:11:02	0.2543	0.0807	0.1351	ID 100.7000	T 3372.7000	T 2427.5000	3718.0000	4.2555
5	21:11:39	0.2796	0.1338	0.1563	ID 100.1900	T 3362.6000	T 2427.3000	3759.4000	4.1959
x		0.2640	0.0789	0.1423	ID 98.9960	T 3360.4000	T 2410.8000	3793.8000	4.2105
%RSD		11.7980	109.2800	18.8250	ID 1.4902	T 0.4397	T 0.7049	2.5162	1.0956

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	21:09:12	9.1109	1.3999	2.3159	TM 26865.0000	87.5330	-1.2312	-0.2291	17.1090
2	21:09:48	8.9420	1.4663	2.5571	TM 26815.0000	85.3430	-1.4747	-0.5581	15.2700
3	21:10:25	8.5918	1.4542	2.2711	TM 26577.0000	85.9780	-1.1960	-0.8071	13.9750
4	21:11:02	8.8332	1.5614	2.5175	TM 26804.0000	86.2070	-1.2118	-0.4302	13.6700
5	21:11:39	8.8061	1.5108	2.3588	TM 26804.0000	85.6230	-1.1424	-0.5534	15.2310
x		8.8568	1.4785	2.4041	TM 26773.0000	86.1370	-1.2512	-0.5156	15.0510
%RSD		2.1509	4.1202	5.2532	TM 0.4190	0.9842	10.3280	40.8670	9.0242

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	21:09:12	76.78%	0.0232	1.1633	0.0135	31.4640	30.9540	77.27%	0.0000
2	21:09:48	79.18%	0.0226	0.3446	0.0089	31.5720	30.6390	80.61%	0.0000
3	21:10:25	81.14%	0.0290	0.4800	0.0090	30.9870	30.9110	82.66%	0.0000
4	21:11:02	81.53%	0.0130	1.7601	0.0120	31.1830	30.7710	84.00%	0.0000
5	21:11:39	82.71%	0.0245	0.8909	0.0093	30.7730	30.8310	84.45%	0.0000
x		80.27%	0.0225	0.9278	0.0105	31.1960	30.8210	81.80%	0.0000
%RSD		2.90	26.0060	61.2150	19.7240	1.0579	0.4019	3.59	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	21:09:12	99.3650	23.1130	23.3530	80.53%	0.1942	0.1877	98.6810	106.8500
2	21:09:48	98.7440	23.2720	23.1350	84.50%	0.1913	0.1778	98.7470	106.1200
3	21:10:25	98.6490	21.9980	23.5290	87.00%	0.2111	0.1903	96.9110	106.0300
4	21:11:02	99.3270	23.2320	22.7230	88.31%	0.2027	0.2057	97.8760	107.2100
5	21:11:39	99.0280	23.3270	23.4470	89.39%	0.1849	0.1805	98.0130	107.1300
x		99.0220	22.9880	23.2370	85.95%	0.1969	0.1884	98.0460	106.6700
%RSD		0.3298	2.4327	1.3906	4.11	5.1883	5.8096	0.7587	0.5249

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	21:09:12	103.1900	81.13%	0.6403
2	21:09:48	102.7300	85.17%	-0.1216
3	21:10:25	102.4500	88.26%	-0.1216
4	21:11:02	103.3200	89.52%	-0.1216
5	21:11:39	103.0100	90.84%	0.5588
x		102.9400	86.99%	0.1668
%RSD		0.3422	4.47	237.4000

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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	21:15:11	92.70%	-0.0273	T 3033.3000	3061.3000	3066.8000	0.2461	13676.0000	85.42%
2	21:15:48	94.46%	-0.0244	T 3056.8000	3099.8000	3121.4000	0.2278	13680.0000	86.19%
3	21:16:24	94.62%	-0.0108	T 3076.3000	3112.2000	3161.5000	0.1960	13766.0000	86.90%
4	21:17:01	94.53%	-0.0138	T 3084.0000	3160.8000	3159.5000	0.2172	13756.0000	87.25%
5	21:17:38	94.50%	-0.0153	T 3103.7000	3124.3000	3151.9000	0.2433	13885.0000	87.46%
x		94.16%	-0.0183	T 3070.8000	3111.7000	3132.2000	0.2261	13753.0000	86.64%
%RSD		0.87	38.7600	T 0.8755	1.1652	1.2762	9.0746	0.6184	0.97

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	21:15:11	0.1483	0.0297	-0.0130	ID 9.5712	334.8200	235.0400	393.5800	0.3863
2	21:15:48	0.0814	-0.0331	-0.0387	ID 9.5099	335.7200	237.5700	396.3100	0.4379
3	21:16:24	0.0785	-0.0223	0.0027	ID 9.5218	335.8200	235.4800	368.2500	0.4138
4	21:17:01	0.0435	0.0473	-0.0173	ID 9.5261	335.5300	234.8900	348.7000	0.4049
5	21:17:38	0.0665	0.0459	-0.0487	ID 9.6951	336.9600	236.9300	353.3600	0.4285
x		0.0837	0.0135	-0.0230	ID 9.5648	335.7700	235.9800	372.0400	0.4143
%RSD		46.7660	284.6300	89.4870	ID 0.7992	0.2293	0.5085	5.9511	4.8740

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	21:15:11	0.9117	0.1580	0.2862	3045.8000	8.7911	-0.7531	0.0242	1.1005
2	21:15:48	0.8374	0.2088	0.2219	3043.6000	8.8282	-0.7857	0.1306	1.2066
3	21:16:24	0.8498	0.1707	0.2392	3041.9000	8.6231	-0.8483	0.1741	1.1485
4	21:17:01	0.8843	0.1694	0.2729	3026.2000	8.5377	-0.6189	0.0813	1.3159
5	21:17:38	0.8845	0.1735	0.2139	3012.6000	8.5469	-0.9378	0.2928	0.5088
x		0.8735	0.1761	0.2468	3034.0000	8.6654	-0.7888	0.1406	1.0561
%RSD		3.4174	10.9130	12.8010	0.4701	1.5743	14.9850	72.4310	29.9510

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	21:15:11	83.46%	-0.0163	-0.9440	-0.0179	3.1357	3.0982	85.67%	0.0000
2	21:15:48	85.36%	-0.0194	0.6111	-0.0172	3.1616	3.0806	87.79%	0.0000
3	21:16:24	86.47%	-0.0147	0.6481	-0.0182	3.1931	3.1158	89.47%	0.0000
4	21:17:01	87.06%	-0.0219	0.3359	-0.0183	3.0571	3.2328	89.80%	0.0000
5	21:17:38	87.43%	-0.0170	1.0888	-0.0192	3.0026	3.1753	89.96%	0.0000
x		85.96%	-0.0179	0.3480	-0.0182	3.1100	3.1405	88.54%	0.0000
%RSD		1.86	15.7690	221.5400	4.0322	2.5196	1.9958	2.06	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	21:15:11	9.4423	2.2037	2.2892	86.16%	-0.0416	-0.0298	9.1555	10.1140
2	21:15:48	9.1939	2.0399	2.1869	88.82%	-0.0307	-0.0314	9.3381	10.4530
3	21:16:24	9.7675	2.2020	2.2518	T 93.74%	-0.0322	-0.0268	9.2544	9.9817
4	21:17:01	9.6055	2.1079	2.2330	92.11%	-0.0367	-0.0301	9.2231	10.0160
5	21:17:38	9.0946	2.1735	2.2928	92.05%	-0.0333	-0.0309	9.2031	10.0840
x		9.4208	2.1454	2.2507	T 90.58%	-0.0349	-0.0298	9.2348	10.1300
%RSD		2.9678	3.2905	1.9416	T 3.36	12.4530	6.0673	0.7361	1.8598

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	21:15:11	9.6929	91.22%	-0.1216
2	21:15:48	9.8182	94.79%	-0.1216
3	21:16:24	9.7725	97.04%	-0.1216
4	21:17:01	9.6784	98.50%	0.5059
5	21:17:38	9.7166	99.19%	-0.1216
x		9.7357	96.15%	0.0039
%RSD		0.6000	3.36	7255.3000

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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	21:21:08	91.20%	-0.0147	T 4766.2000	4897.8000	4939.7000	0.2201	M 28781.0000	82.70%
2	21:21:45	91.35%	-0.0116	T 4862.2000	4984.7000	5003.4000	0.2416	M 29324.0000	83.18%
3	21:22:21	90.44%	-0.0224	T 4925.1000	5046.5000	5037.6000	0.2545	M 29144.0000	84.53%
4	21:22:58	91.34%	-0.0147	T 4970.6000	5052.3000	5085.8000	0.2515	M 29545.0000	84.17%
5	21:23:35	91.91%	-0.0195	T 4993.1000	5081.2000	5108.1000	0.2162	M 29526.0000	84.82%
x		91.25%	-0.0166	T 4903.4000	5012.5000	5034.9000	0.2368	M 29264.0000	83.88%
%RSD		0.58	26.0980	T 1.8678	1.4584	1.3325	7.4804	M 1.0799	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	21:21:08	0.2646	-0.1112	0.0352	ID 73.6680	533.4000	T 1803.9000	2193.9000	0.4898
2	21:21:45	0.2788	0.0051	-0.0051	ID 74.6950	536.9500	1916.2000	2127.5000	0.4806
3	21:22:21	0.1975	0.0457	-0.0187	ID 73.5430	528.9200	T 1821.1000	2116.2000	0.5335
4	21:22:58	0.2049	-0.1202	0.0117	ID 75.1760	534.3500	T 1821.6000	2118.8000	0.4725
5	21:23:35	0.2428	-0.2010	-0.0185	ID 75.4210	536.7200	T 1820.7000	2082.5000	0.4857
x		0.2377	-0.0763	0.0009	ID 74.5010	534.0700	T 1836.7000	2127.8000	0.4924
%RSD		15.0710	131.3400	2530.0000	ID 1.1530	0.6094	T 2.4543	1.9150	4.8453

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	21:21:08	1.9700	0.4107	0.5731	3161.7000	50.7250	-1.0462	0.0763	2.1175
2	21:21:45	2.0164	0.4493	0.5008	3178.5000	51.3150	-1.1647	-0.0547	1.4480
3	21:22:21	1.9573	0.4247	0.5947	3183.0000	50.5940	-0.8792	-0.0867	1.6967
4	21:22:58	1.9007	0.4449	0.5882	3178.6000	50.5350	-1.1441	-0.0551	1.9602
5	21:23:35	1.8467	0.3343	0.5241	3184.7000	49.9830	-1.4635	-0.0708	1.5211
x		1.9382	0.4128	0.5562	3177.3000	50.6300	-1.1395	-0.0382	1.7487
%RSD		3.3906	11.2780	7.4652	0.2872	0.9405	18.7240	171.1500	16.3180

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	21:21:08	80.58%	-0.0110	0.0513	-0.0162	3.8728	3.7473	83.02%	0.0000
2	21:21:45	82.40%	-0.0143	0.3002	-0.0159	3.7687	3.7334	85.20%	0.0000
3	21:22:21	82.73%	-0.0141	1.0028	-0.0141	3.8421	3.7329	86.30%	0.0000
4	21:22:58	84.22%	-0.0143	1.0665	-0.0119	3.5368	3.7930	87.27%	0.0000
5	21:23:35	84.69%	-0.0180	1.4561	-0.0157	3.8543	3.7370	87.72%	0.0000
x		82.92%	-0.0143	0.7754	-0.0148	3.7749	3.7487	85.90%	0.0000
%RSD		1.96	17.2920	74.9190	12.0360	3.6789	0.6780	2.19	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	21:21:08	92.6380	31.1480	30.7230	84.09%	0.3552	0.3453	20.6260	23.3350
2	21:21:45	94.5440	31.2330	31.4080	87.56%	0.3538	0.3363	21.3060	22.9790
3	21:22:21	94.1650	30.5600	31.1260	89.39%	0.3556	0.3519	21.1550	22.9200
4	21:22:58	95.0650	30.1020	30.9900	90.67%	0.3635	0.3360	21.0500	22.9780
5	21:23:35	95.1940	31.8820	30.7140	91.27%	0.3656	0.3367	21.3210	22.9180
x		94.3210	30.9850	30.9920	88.60%	0.3587	0.3412	21.0920	23.0260
%RSD		1.0894	2.1968	0.9422	3.26	1.5030	2.0857	1.3420	0.7617

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	21:21:08	21.9620	89.85%	-0.1216
2	21:21:45	22.1620	93.69%	-0.1216
3	21:22:21	21.9750	95.98%	-0.1216
4	21:22:58	22.1120	97.29%	-0.1216
5	21:23:35	22.1190	98.40%	-0.1216
x		22.0660	95.04%	-0.1216
%RSD		0.4124	3.57	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	21:27:06	87.73%	-0.0026	TM 49910.0000	TM 49902.0000	TM 49932.0000	0.9525	TM 222870.0000	82.29%
2	21:27:42	88.74%	-0.0062	TM 50915.0000	TM 50962.0000	TM 51241.0000	0.9046	TM 226240.0000	84.23%
3	21:28:19	90.48%	-0.0130	TM 51286.0000	TM 51332.0000	TM 51456.0000	0.9575	TM 229060.0000	85.87%
4	21:28:56	90.48%	-0.0130	TM 51449.0000	TM 51353.0000	TM 51875.0000	0.9069	TM 230160.0000	86.70%
5	21:29:33	91.22%	-0.0023	TM 52063.0000	TM 51582.0000	TM 52112.0000	0.8423	TM 228800.0000	87.07%
x		89.73%	-0.0074	TM 51125.0000	TM 51026.0000	TM 51323.0000	0.9128	TM 227420.0000	85.23%
%RSD		1.61	71.8160	TM 1.5563	TM 1.3066	TM 1.6552	5.0921	TM 1.2862	2.32

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	21:27:06	0.2500	0.2376	0.2638	ID 12.0400	T 4583.5000	313.7100	2643.3000	7.0719
2	21:27:42	0.2325	0.0273	0.2273	ID 12.3510	T 4591.5000	318.5800	2511.1000	6.9335
3	21:28:19	0.1932	0.1818	0.2113	ID 12.3570	T 4596.7000	313.9300	2372.0000	6.7827
4	21:28:56	0.2110	-0.0365	0.1835	ID 12.1400	T 4606.7000	313.8700	2330.7000	6.9761
5	21:29:33	0.1925	0.1301	0.2229	ID 12.3160	T 4614.5000	319.5400	2289.6000	6.8506
x		0.2158	0.1081	0.2218	ID 12.2410	T 4598.6000	315.9300	2429.4000	6.9230
%RSD		11.6380	103.5600	13.1050	ID 1.1687	T 0.2663	0.9124	6.0005	1.6158

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	21:27:06	7.4416	1.6351	0.8303	110.5900	3.5866	-0.7414	0.2619	-0.0289
2	21:27:42	6.8360	1.7204	0.7901	108.5700	3.0537	-0.5607	-0.1028	1.4422
3	21:28:19	6.9931	1.7235	0.6695	109.4500	3.1536	-0.7641	0.1021	0.6591
4	21:28:56	6.8662	1.7013	0.8103	107.5700	2.9332	-0.6514	-0.2104	1.6895
5	21:29:33	6.6226	1.7815	0.7192	109.0000	3.2778	-0.3160	-0.1016	1.6584
x		6.9519	1.7124	0.7639	109.0400	3.2010	-0.6067	-0.0102	1.0841
%RSD		4.3788	3.0705	8.8204	1.0211	7.8143	29.8890	1859.9000	69.0910

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	21:27:06	79.20%	-0.0192	0.3908	-0.0173	0.0311	0.0075	78.74%	0.0000
2	21:27:42	82.35%	-0.0163	-0.4338	-0.0166	0.0130	0.0177	81.92%	0.0000
3	21:28:19	84.08%	-0.0133	0.6034	-0.0149	0.0123	0.0096	83.85%	0.0000
4	21:28:56	85.05%	-0.0113	0.8719	-0.0155	0.0282	0.0230	85.25%	0.0000
5	21:29:33	85.58%	-0.0142	0.3427	-0.0175	0.0208	0.0187	86.34%	0.0000
x		83.25%	-0.0149	0.3550	-0.0164	0.0211	0.0153	83.22%	0.0000
%RSD		3.09	20.3840	137.4600	6.9134	40.6240	42.3950	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	21:27:06	0.3684	81.4890	80.3620	82.37%	-0.0546	-0.0546	0.0114	-0.0027
2	21:27:42	0.3501	80.4750	78.8780	86.28%	-0.0563	-0.0506	-0.0066	-0.0027
3	21:28:19	0.3635	79.2440	78.6850	88.81%	-0.0543	-0.0505	-0.0090	-0.0130
4	21:28:56	0.4212	79.7710	78.7470	90.45%	-0.0487	-0.0499	-0.0011	-0.0203
5	21:29:33	0.3585	78.4740	77.4970	T 94.79%	-0.0576	-0.0513	-0.0098	-0.0105
x		0.3724	79.8910	78.8340	T 88.54%	-0.0543	-0.0514	-0.0030	-0.0098
%RSD		7.5591	1.4457	1.2924	T 5.24	6.2687	3.6667	288.8700	75.7520

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	21:27:06	-0.0011	79.03%	-0.1216
2	21:27:42	-0.0100	82.46%	-0.1216
3	21:28:19	-0.0111	85.47%	-0.1216
4	21:28:56	-0.0133	86.54%	-0.1216
5	21:29:33	-0.0095	87.87%	-0.1216
x		-0.0090	84.28%	-0.1216
%RSD		51.6220	4.21	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	21:33:04	91.98%	-0.0133	TM 29198.0000	TM 29213.0000	TM 29547.0000	2.1879	TM 128620.0000	83.33%
2	21:33:40	91.98%	-0.0040	TM 29409.0000	TM 29534.0000	TM 29482.0000	2.1750	TM 128000.0000	84.84%
3	21:34:17	93.63%	-0.0106	TM 29548.0000	TM 29423.0000	TM 29675.0000	2.0256	TM 128780.0000	85.47%
4	21:34:54	93.47%	-0.0105	TM 29857.0000	TM 29638.0000	TM 29832.0000	2.1618	TM 130100.0000	85.50%
5	21:35:30	92.34%	-0.0026	TM 30075.0000	TM 29712.0000	TM 30101.0000	2.1720	TM 130340.0000	85.83%
x		92.68%	-0.0082	TM 29617.0000	TM 29504.0000	TM 29727.0000	2.1444	TM 129170.0000	84.99%
%RSD		0.87	56.5820	TM 1.1828	TM 0.6635	TM 0.8341	3.1293	TM 0.7817	1.17

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	21:33:04	0.3291	0.8698	0.2384	ID 25.6980	267.9700	656.2700	1931.0000	1.6233
2	21:33:40	0.2720	1.3434	0.2123	ID 26.2360	263.5400	655.6100	1874.9000	1.6671
3	21:34:17	0.2566	1.0017	0.2044	ID 26.2020	265.3800	650.4800	1742.9000	1.6024
4	21:34:54	0.2707	0.9809	0.1682	ID 26.2730	267.5200	653.6000	1748.4000	1.5703
5	21:35:30	0.2251	1.0774	0.2222	ID 26.0250	265.0300	657.1600	1738.6000	1.5969
x		0.2707	1.0546	0.2091	ID 26.0870	265.8900	654.6200	1807.2000	1.6120
%RSD		13.9310	16.8520	12.5100	ID 0.9098	0.6913	0.4067	4.9652	2.2400

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	21:33:04	5.8149	0.5573	0.8128	134.0200	5.4873	-0.3931	0.0750	1.2864
2	21:33:40	5.7500	0.5654	0.8088	132.1400	5.1016	-1.1086	0.4372	-0.4660
3	21:34:17	5.5136	0.5588	0.8292	132.9000	5.1803	-1.1561	-0.1653	1.0239
4	21:34:54	5.3462	0.4809	0.7637	134.3500	5.3255	-1.1856	0.1803	0.1090
5	21:35:30	5.3635	0.5003	0.7736	133.9100	5.5195	-1.0174	0.3692	0.3217
x		5.5577	0.5325	0.7976	133.4600	5.3228	-0.9722	0.1793	0.4550
%RSD		3.8963	7.3232	3.4801	0.6851	3.4510	33.9380	134.3800	155.4300

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	21:33:04	81.45%	-0.0076	1.0029	-0.0112	0.0105	0.0052	82.31%	0.0000
2	21:33:40	83.21%	-0.0110	0.9500	-0.0130	0.0146	0.0146	84.64%	0.0000
3	21:34:17	83.62%	-0.0051	0.8310	-0.0022	0.0052	0.0045	85.57%	0.0000
4	21:34:54	84.27%	0.0035	1.7082	-0.0033	0.0166	0.0029	86.06%	0.0000
5	21:35:30	84.01%	0.0076	0.9489	-0.0000	0.0278	0.0091	86.58%	0.0000
x		83.31%	-0.0025	1.0882	-0.0059	0.0149	0.0073	85.03%	0.0000
%RSD		1.34	306.9600	32.3710	97.6280	56.3980	64.9130	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	21:33:04	0.2172	28.2570	27.9460	84.94%	-0.0555	-0.0519	0.0566	0.0523
2	21:33:40	0.1836	28.3590	27.9490	88.27%	-0.0548	-0.0523	0.0580	0.0499
3	21:34:17	0.2640	27.8610	28.1080	90.11%	-0.0539	-0.0518	0.0732	0.0878
4	21:34:54	0.2201	27.3660	27.7050	T 93.86%	-0.0531	-0.0501	0.0711	0.0805
5	21:35:30	0.2141	27.5800	27.9760	T 94.33%	-0.0536	-0.0533	0.0737	0.0741
x		0.2198	27.8840	27.9370	T 90.30%	-0.0542	-0.0519	0.0665	0.0689
%RSD		13.0670	1.5275	0.5215	T 4.36	1.7412	2.2701	12.7640	24.6560

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	21:33:04	0.0636	85.65%	-0.1216
2	21:33:40	0.0546	89.45%	0.5693
3	21:34:17	0.0759	91.24%	-0.1216
4	21:34:54	0.0647	92.84%	-0.1216
5	21:35:30	0.0698	92.77%	-0.1216
x		0.0657	90.39%	0.0166
%RSD		11.9990	3.31	1865.5000

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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	21:39:02	89.17%	-0.0031	TM 49536.0000	TM 49392.0000	TM 49458.0000	0.6434	TM 216680.0000	81.84%
2	21:39:38	91.07%	-0.0053	TM 49978.0000	TM 49480.0000	TM 49986.0000	0.5949	TM 217550.0000	84.15%
3	21:40:15	92.38%	-0.0149	TM 50239.0000	TM 50435.0000	TM 50765.0000	0.6159	TM 219500.0000	85.00%
4	21:40:52	91.38%	-0.0085	TM 50826.0000	TM 50586.0000	TM 51292.0000	0.8533	TM 220260.0000	85.34%
5	21:41:29	91.56%	-0.0117	TM 51068.0000	TM 50760.0000	TM 51562.0000	1.1287	TM 219890.0000	86.09%
x		91.11%	-0.0087	TM 50329.0000	TM 50131.0000	TM 50613.0000	0.7672	TM 218780.0000	84.48%
%RSD		1.30	54.9610	TM 1.2378	TM 1.2869	TM 1.7422	29.5780	TM 0.7173	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	21:39:02	0.3067	0.0161	0.2249	ID 80.5190	465.4000	T 2016.6000	4493.3000	0.7221
2	21:39:38	0.2879	0.2815	0.1811	ID 80.8400	462.1400	T 2011.7000	4263.0000	0.6654
3	21:40:15	0.3097	0.4262	0.1568	ID 81.6100	462.8800	T 2011.4000	4096.7000	0.6107
4	21:40:52	0.2236	-0.1328	0.1863	ID 82.9110	467.7200	T 2037.8000	4021.5000	0.5870
5	21:41:29	0.2874	0.4791	0.2119	ID 81.5280	463.8700	T 2020.1000	3985.2000	0.5723
x		0.2830	0.2140	0.1922	ID 81.4820	464.4000	T 2019.5000	4171.9000	0.6315
%RSD		12.3010	123.4500	13.9360	ID 1.1315	0.4786	T 0.5361	5.0096	9.7872

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	21:39:02	5.2423	0.2001	0.8624	0.8914	2.1025	-0.6171	0.0624	0.2581
2	21:39:38	5.3060	0.2328	0.7556	0.9127	1.9597	-0.7144	-0.0866	0.4187
3	21:40:15	5.2052	0.1970	0.7871	0.9903	2.3250	-1.0188	0.4816	-0.2101
4	21:40:52	5.1436	0.2098	0.6777	1.0481	2.0747	-0.7113	0.2913	-0.0829
5	21:41:29	4.5906	0.2063	0.7901	1.0893	2.0811	-1.1060	0.0388	0.2288
x		5.0976	0.2092	0.7746	0.9863	2.1086	-0.8335	0.1575	0.1225
%RSD		5.6782	6.7441	8.6270	8.6154	6.3147	25.7730	143.9700	212.1100

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	21:39:02	79.31%	-0.0113	-0.2016	-0.0178	-0.0085	-0.0149	79.47%	0.0000
2	21:39:38	81.90%	-0.0139	-0.1107	-0.0151	-0.0111	-0.0140	82.22%	0.0000
3	21:40:15	83.74%	-0.0091	0.7868	-0.0163	-0.0086	-0.0133	84.08%	0.0000
4	21:40:52	83.96%	-0.0153	0.8110	-0.0111	-0.0110	-0.0151	84.82%	0.0000
5	21:41:29	84.60%	-0.0095	0.7831	-0.0085	-0.0110	-0.0115	86.05%	0.0000
x		82.70%	-0.0118	0.4137	-0.0138	-0.0100	-0.0138	83.33%	0.0000
%RSD		2.60	23.0710	126.0100	28.0690	13.4830	10.5240	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	21:39:02	-0.0452	53.0490	52.5990	82.18%	-0.0617	-0.0580	-0.0237	-0.0243
2	21:39:38	-0.0444	52.9920	53.1840	85.98%	-0.0649	-0.0568	-0.0214	-0.0127
3	21:40:15	-0.0379	52.7590	52.8480	88.20%	-0.0609	-0.0586	-0.0192	-0.0138
4	21:40:52	-0.0710	53.6970	52.5220	89.53%	-0.0627	-0.0570	-0.0248	-0.0312
5	21:41:29	-0.0462	52.0040	52.7790	90.08%	-0.0616	-0.0584	-0.0209	-0.0312
x		-0.0489	52.9000	52.7870	87.19%	-0.0624	-0.0578	-0.0220	-0.0226
%RSD		26.1130	1.1530	0.4889	3.69	2.4810	1.4063	10.2200	39.9810

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	21:39:02	-0.0244	81.31%	-0.1216
2	21:39:38	-0.0225	84.77%	-0.1216
3	21:40:15	-0.0193	87.77%	-0.1216
4	21:40:52	-0.0228	89.03%	-0.1216
5	21:41:29	-0.0256	89.43%	-0.1216
x		-0.0229	86.46%	-0.1216
%RSD		10.3960	3.94	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	21:44:59	96.40%	0.9941	3.7914	3.6887	3.2940	-0.4165	32.3030	88.98%
2	21:45:38	97.18%	0.8813	4.2828	4.2847	4.2851	-0.4263	29.1580	90.16%
3	21:46:14	97.83%	1.0668	4.1978	4.3756	4.0116	-0.4161	30.7100	91.42%
4	21:46:51	97.60%	0.9110	4.0577	3.6684	4.4639	-0.4066	30.6940	92.20%
5	21:47:28	98.45%	0.9699	3.7601	4.2790	5.4981	-0.4129	28.7860	92.38%
x		97.49%	0.9646	4.0179	4.0593	4.3105	-0.4157	30.3300	91.03%
%RSD		0.78	7.5395	5.8621	8.6155	18.5480	1.7175	4.6414	1.58

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	21:44:59	0.0903	4.6337	1.8492	ID 0.0446	0.9540	3.3140	-5.3739	0.9440
2	21:45:38	0.0820	4.6973	1.8571	ID 0.0200	1.0108	-0.5676	-5.2307	0.8874
3	21:46:14	0.0246	4.6241	1.8819	ID -0.0051	0.9771	-0.9376	-10.7180	0.9423
4	21:46:51	0.0592	4.7110	1.8385	ID 0.0062	0.9327	-0.1788	-3.7074	0.9327
5	21:47:28	0.0264	4.7851	1.8885	ID -0.0618	0.9874	-1.2749	-7.0533	0.9303
x		0.0565	4.6902	1.8630	ID 0.0008	0.9724	0.0710	-6.4167	0.9273
%RSD		53.9900	1.3921	1.1484	ID 4949.9000	3.0997	2617.1000	41.7750	2.4907

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	21:44:59	0.9578	1.9029	1.7487	2.5598	0.8910	4.5716	4.2122	-0.0569
2	21:45:38	0.9063	1.9116	1.8535	2.6952	1.0077	4.8050	4.8582	-0.4520
3	21:46:14	0.9787	1.8469	1.8855	2.3435	1.1775	4.2269	5.0829	-0.0793
4	21:46:51	0.9554	1.9738	1.9984	2.4209	0.9214	4.6045	4.9848	0.1037
5	21:47:28	0.9499	1.8995	1.9228	2.3856	0.9708	4.2424	4.9181	0.1275
x		0.9496	1.9069	1.8818	2.4810	0.9937	4.4901	4.8112	-0.0714
%RSD		2.7981	2.3712	4.8858	5.8310	11.2840	5.5626	7.1727	325.0000

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	21:44:59	86.46%	0.9125	-0.9939	0.9396	0.9481	0.9858	87.55%	0.0000
2	21:45:38	88.35%	0.9297	0.0732	0.9218	0.9655	1.0014	90.13%	0.0000
3	21:46:14	90.53%	0.9014	-0.1239	0.9305	0.9809	0.9847	91.60%	0.0000
4	21:46:51	90.61%	0.9301	0.8338	0.9075	0.9938	0.9455	92.53%	0.0000
5	21:47:28	91.70%	0.9189	0.2328	0.9044	0.9434	0.9466	93.92%	0.0000
x		89.53%	0.9185	0.0044	0.9208	0.9663	0.9728	91.14%	0.0000
%RSD		2.35	1.3210	14994.0000	1.6236	2.2119	2.6030	2.67	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	21:44:59	1.5430	9.9187	9.8053	85.76%	0.8879	0.8445	0.9559	0.9789
2	21:45:38	1.5442	9.4707	9.7903	T 92.79%	0.8807	0.8885	0.9796	0.9223
3	21:46:14	1.6468	9.6873	9.4014	T 94.97%	0.8837	0.8372	0.9783	0.9801
4	21:46:51	1.6383	9.7597	9.4031	92.56%	0.8951	0.8531	0.9604	0.9196
5	21:47:28	1.5791	9.5782	9.3778	T 96.72%	0.9013	0.8840	0.9821	0.9455
x		1.5903	9.6829	9.5556	T 92.56%	0.8898	0.8615	0.9713	0.9493
%RSD		3.1406	1.7698	2.3169	T 4.50	0.9463	2.7140	1.2486	3.0949

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	21:44:59	0.9233	91.33%	-0.1216
2	21:45:38	0.9244	95.11%	-0.1216
3	21:46:14	0.9542	97.74%	-0.1216
4	21:46:51	0.9223	99.01%	-0.1216
5	21:47:28	0.9455	100.11%	-0.1216
x		0.9339	96.66%	-0.1216
%RSD		1.5913	3.64	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	21:50:57	91.27%	249.4300	967.7200	974.9000	978.6100	241.8000	992.5200	84.32%
2	21:51:33	90.91%	249.7300	988.7700	984.0800	999.8700	241.7000	1011.8000	84.19%
3	21:52:10	91.86%	250.9500	992.2100	1002.7000	1011.9000	242.1500	1004.0000	84.95%
4	21:52:47	91.53%	252.1900	1001.6000	1002.3000	1010.7000	243.9700	1024.6000	85.04%
5	21:53:24	90.54%	251.5500	1007.2000	1017.9000	1030.5000	244.2300	1010.8000	84.43%
x		91.22%	250.7700	991.5000	996.3900	1006.3000	242.7700	1008.8000	84.59%
%RSD		0.57	0.4689	1.5312	1.7032	1.8891	0.5062	1.1639	0.45

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	21:50:57	0.0979	243.3600	240.8900	ID 44.3830	238.7700	995.5800	993.5800	243.6500
2	21:51:33	0.0738	244.7200	242.0100	ID 44.7970	240.9700	1006.7000	966.9100	245.8400
3	21:52:10	0.0484	243.0500	240.4000	ID 45.3920	239.4500	1013.5000	1000.6000	243.7300
4	21:52:47	0.0322	243.1400	242.1700	ID 44.7670	240.0500	1008.3000	1004.9000	243.7300
5	21:53:24	0.0427	242.9100	240.4200	ID 44.8700	238.7900	1007.1000	1022.7000	243.3600
x		0.0590	243.4400	241.1800	ID 44.8420	239.6100	1006.2000	997.7300	244.0600
%RSD		45.0600	0.3026	0.3567	ID 0.8052	0.3882	0.6502	2.0348	0.4124

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	21:50:57	245.4200	242.4400	243.3500	241.8400	243.6400	241.5300	247.2800	0.2442
2	21:51:33	247.8800	243.2000	242.5600	244.0500	240.7100	237.2500	238.5100	0.7250
3	21:52:10	243.0100	239.4800	241.2000	242.6500	241.3500	238.1800	237.9300	0.5091
4	21:52:47	241.4500	240.2600	241.4300	242.8700	240.7500	234.2700	237.3300	-1.0680
5	21:53:24	243.0400	241.5300	240.8800	241.8400	240.4300	238.2100	241.1100	0.3656
x		244.1600	241.3800	241.8800	242.6500	241.3800	237.8900	240.4300	0.1552
%RSD		1.0304	0.6327	0.4280	0.3757	0.5429	1.0918	1.7007	455.4800

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	21:50:57	82.74%	241.4400	0.3943	241.9000	242.1300	242.1800	84.45%	0.0000
2	21:51:33	84.39%	241.0100	1.0746	242.0100	244.7800	243.1900	86.25%	0.0000
3	21:52:10	84.55%	242.8300	-1.5886	241.0500	242.7400	242.6600	87.38%	0.0000
4	21:52:47	85.16%	242.3400	0.2586	242.2000	244.6200	244.9000	87.57%	0.0000
5	21:53:24	84.82%	243.2200	0.6794	241.8300	245.6400	244.1400	87.45%	0.0000
x		84.33%	242.1700	0.1637	241.8000	243.9800	243.4100	86.62%	0.0000
%RSD		1.11	0.3834	628.2600	0.1831	0.6065	0.4543	1.53	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	21:50:57	237.6100	247.8200	245.5100	84.18%	243.0100	238.5500	243.7800	244.3700
2	21:51:33	241.4200	246.5500	245.3400	86.86%	245.1200	239.8600	246.9200	245.8800
3	21:52:10	239.8200	240.9100	241.9200	T 91.44%	243.4200	237.6700	244.1400	244.4200
4	21:52:47	242.2100	243.9600	247.2500	88.72%	245.6100	240.5300	244.6000	246.4500
5	21:53:24	242.2200	246.8600	245.8600	89.43%	244.4000	239.8400	244.7700	244.4200
x		240.6600	245.2200	245.1800	T 88.13%	244.3100	239.2900	244.8400	245.1100
%RSD		0.8162	1.1429	0.8028	T 3.12	0.4503	0.4821	0.5002	0.4025

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	21:50:57	241.7300	89.64%	-0.1216
2	21:51:33	244.6300	92.58%	-0.1216
3	21:52:10	242.3100	94.81%	0.5303
4	21:52:47	243.7200	95.66%	-0.1216
5	21:53:24	242.6200	96.02%	-0.1216
x		243.0000	93.74%	0.0088
%RSD		0.4791	2.83	3330.9000

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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	21:56:53	90.42%	0.0138	1.1463	1.8628	2.3336	-0.3599	11.5000	83.71%
2	21:57:30	92.04%	0.0455	2.3734	3.5286	2.0708	-0.2532	13.9460	85.89%
3	21:58:06	92.10%	0.0948	3.5304	5.0136	4.6797	-0.2107	14.9380	86.89%
4	21:58:43	93.23%	0.0811	5.0740	5.1192	5.9838	-0.1561	20.8110	87.20%
5	21:59:20	93.43%	0.0792	4.3862	4.0433	5.0345	-0.1881	20.4820	88.31%
x		92.25%	0.0629	3.3021	3.9135	4.0205	-0.2336	16.3350	86.40%
%RSD		1.31	52.2910	47.5880	33.8850	43.0170	33.8020	25.2900	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	21:56:53	0.0585	0.0344	-0.0323	ID -0.1202	0.0439	-7.4337	-0.7042	0.0218
2	21:57:30	0.0471	0.0563	0.0587	ID -0.1021	0.1181	-8.6992	-1.2019	0.0483
3	21:58:06	0.0566	0.0414	0.0668	ID 0.0167	0.1928	-9.8377	-3.4376	0.0691
4	21:58:43	0.0404	0.0690	0.0141	ID 0.0678	0.2190	-8.7318	-0.1781	0.0923
5	21:59:20	0.0312	0.0966	0.0577	ID -0.0771	0.2271	-8.9564	-0.6397	0.0695
x		0.0468	0.0595	0.0330	ID -0.0430	0.1602	-8.7318	-1.2323	0.0602
%RSD		24.2640	41.4180	127.1600	ID 189.2200	48.6580	9.8508	104.2800	44.0450

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	21:56:53	0.0054	0.0771	0.0701	0.2106	0.1113	-0.5826	0.2348	-0.2870
2	21:57:30	0.0559	0.1081	0.0614	0.2179	0.0576	-0.7720	0.0549	-0.0958
3	21:58:06	0.0753	0.0809	0.0898	0.5607	0.1805	-0.4335	0.4517	-0.4988
4	21:58:43	0.0563	0.1357	0.0812	0.6149	0.1351	-0.2260	0.3708	0.1991
5	21:59:20	0.0786	0.1092	0.0394	0.6108	0.1104	-0.4243	0.1249	-0.2396
x		0.0543	0.1022	0.0684	0.4430	0.1190	-0.4877	0.2474	-0.1844
%RSD		53.9150	23.4170	28.4780	47.3890	37.4550	41.6870	66.7630	140.1700

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	21:56:53	82.17%	0.0127	-0.5563	0.0053	0.0198	0.0267	83.22%	0.0000
2	21:57:30	84.24%	0.0198	-0.5015	0.0105	0.0485	0.0572	86.03%	0.0000
3	21:58:06	86.09%	0.0325	0.4442	0.0224	0.0476	0.0785	87.55%	0.0000
4	21:58:43	86.96%	0.0344	-0.5283	0.0343	0.0979	0.0931	88.63%	0.0000
5	21:59:20	88.08%	0.0402	-0.0355	0.0280	0.1030	0.0770	89.83%	0.0000
x		85.51%	0.0279	-0.2355	0.0201	0.0634	0.0665	87.05%	0.0000
%RSD		2.73	40.5100	185.2900	59.8730	56.5470	38.5540	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	21:56:53	0.2181	-0.0058	0.0135	82.16%	-0.0120	-0.0012	0.0221	0.0246
2	21:57:30	0.2105	0.0196	0.0262	T 89.29%	0.0136	0.0088	0.0324	0.0777
3	21:58:06	0.2174	0.0544	0.0422	87.41%	0.0579	0.0484	0.0721	0.0735
4	21:58:43	0.2207	0.0666	0.0527	88.93%	0.0517	0.0599	0.0938	0.0963
5	21:59:20	0.1757	0.0653	0.0633	89.70%	0.0338	0.0449	0.0790	0.0544
x		0.2085	0.0400	0.0396	T 87.50%	0.0290	0.0321	0.0599	0.0653
%RSD		8.9851	79.7270	50.5570	T 3.55	98.9050	83.1270	51.7700	41.6540

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	21:56:53	0.0228	87.43%	-0.1216
2	21:57:30	0.0457	91.45%	7.9893
3	21:58:06	0.0727	93.58%	-0.1216
4	21:58:43	0.0870	94.53%	-0.1216
5	21:59:20	0.0646	96.30%	-0.1216
x		0.0586	92.66%	1.5005
%RSD		42.6030	3.68	241.7300

Mass Uncorrected ICPS

S0 07/07/2008 16:11:02

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	16:11:39	255598.1200	19.1667	745.0333	55.0002	125.0009	1567.6474	542.5177	665361.3900
2	16:12:16	258824.6100	20.8334	830.0413	135.0011	180.0019	1565.1470	595.0212	678926.4600
3	16:12:56	258897.6600	17.5000	1535.1414	210.0027	155.0014	1737.6812	667.5267	683644.7800
4	16:13:33	254660.9000	22.5000	1115.0746	160.0015	210.0027	1670.1674	515.0159	685792.1700
5	16:14:10	260183.4600	18.3334	1105.0733	140.0012	165.0016	1665.1664	610.0223	694245.9700
x		257632.9500	19.6667	1066.0728	140.0013	167.0017	1641.1619	586.0208	681594.1500
%RSD		0.921	10.205	29.015	40.010	18.770	4.510	10.180	1.560

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	16:11:39	145.0013	145.0013	1870.2098	ID 3485.7289	225.0030	185210.5600	1715.1765	55.0002
2	16:12:16	155.0014	247.5037	1875.2110	ID 3618.2853	227.5031	188224.4700	1727.6791	85.0004
3	16:12:56	160.0015	180.0019	1812.6971	ID 3573.2659	285.0049	186979.4100	1715.1765	97.5006
4	16:13:33	147.5013	230.0032	1872.7104	ID 3823.3769	292.5051	186450.2500	1727.6791	57.5002
5	16:14:10	110.0007	270.0044	1827.7004	ID 3623.2875	352.5075	188170.7800	1682.6699	100.0006
x		143.5013	214.5029	1851.7057	ID 3624.7889	276.5047	187007.0900	1713.6762	79.0004
%RSD		13.696	23.806	1.582	ID 3.420	19.101	0.675	1.075	27.278

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	16:11:39	70.0003	150.0014	82.5004	200.0024	10.0000	901.7155	49.1668	54.1668
2	16:12:16	52.5002	190.0022	75.0003	190.0022	20.8334	921.7176	62.5002	57.5002
3	16:12:56	52.5002	160.0015	77.5004	282.5048	15.0000	980.0576	59.1669	50.0001
4	16:13:33	65.0003	155.0014	62.5002	280.0047	18.3334	952.5544	53.3335	48.3335
5	16:14:10	80.0004	162.5016	102.5006	325.0063	10.0000	966.7227	56.6669	48.3335
x		64.0003	163.5016	80.0004	255.5041	14.8333	944.5536	56.1669	51.6668
%RSD		18.447	9.525	18.222	22.763	32.854	3.419	9.182	7.819

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	16:11:39	1113194.4000	81.2504	5.0000	63.7502	5.0000	12.5000	1248239.9000	17.5000
2	16:12:16	1142784.4000	87.5005	7.5000	62.5002	5.0000	20.0000	1271482.0000	25.0000
3	16:12:56	1150320.8000	101.2506	7.5000	92.5005	8.7500	38.7501	1292760.9000	27.5000
4	16:13:33	1155825.1000	113.7508	5.0000	88.7505	8.7500	23.7500	1292595.4000	30.0001
5	16:14:10	1160551.9000	110.0007	10.0000	93.7505	7.5000	26.2500	1314442.5000	25.0000
x		1144535.3000	98.7506	7.0000	80.2504	7.0000	24.2500	1283904.1000	25.0000
%RSD		1.636	14.237	29.881	19.623	27.082	39.694	1.952	18.708

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	16:11:39	355.0076	27.5000	32.5001	T 1913953.1000	147.5013	358.7577	90.0005	70.0003
2	16:12:16	452.5123	7.5000	37.5001	T 1939409.0000	161.2516	373.7584	67.5003	70.0003
3	16:12:56	505.0153	27.5000	42.5001	T 1985639.9000	161.2516	368.7582	95.0005	85.0004
4	16:13:33	560.0188	25.0000	17.5000	T 1986318.2000	190.0022	416.2604	72.5003	80.0004
5	16:14:10	510.0156	15.0000	17.5000	T 2019219.2000	166.2517	403.7598	60.0002	65.0003
x		476.5139	20.5000	29.5001	T 1968907.9000	165.2517	384.2589	77.0004	74.0003
%RSD		16.339	43.460	39.020	T 2.125	9.378	6.382	19.399	11.103

Run	Time	208Pb	209Bi	220Bkg
1	16:11:39	165.0016	1281346.8000	0.0000
2	16:12:16	185.0021	1311630.5000	0.0000
3	16:12:56	212.5027	1325238.8000	0.0000
4	16:13:33	167.5017	1347334.7000	2.5000
5	16:14:10	202.5025	1362831.3000	0.0000
x		186.5021	1325676.4000	0.5000
%RSD		11.239	2.389	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	16:17:37	253908.4600	1112.5743	1930.2235	375.0084	365.0080	8369.2005	607.5221	660802.9800
2	16:18:14	255785.4000	1101.7395	2050.2522	310.0058	385.0089	8033.8707	642.5248	679489.7100
3	16:18:51	258034.8500	1143.4118	1960.2305	330.0065	345.0071	7961.3011	637.5244	687496.9000
4	16:19:28	261829.6700	1173.4159	2015.2436	385.0089	370.0082	8046.3828	610.0223	700572.7300
5	16:20:05	261841.7000	1076.7362	2115.2684	300.0054	305.0056	8226.5586	602.5218	699826.2500
x		258280.0200	1121.5755	2014.2437	340.0070	354.0076	8127.4627	620.0231	685637.7100
%RSD		1.378	3.351	3.638	11.248	8.730	2.051	2.991	2.399

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	16:17:37	225.0030	6460.0029	7738.5915	ID 3803.3677	7756.1078	182948.9100	1845.2043	7508.3810
2	16:18:14	247.5037	6512.5438	7893.7369	ID 3608.2810	7808.6568	187196.7000	1767.6875	7318.2120
3	16:18:51	172.5018	6487.5243	7896.2393	ID 3855.8919	8011.3491	189727.9900	1700.1734	7683.5406
4	16:19:28	165.0016	6682.6784	7786.1357	ID 3928.4257	8101.4361	191288.0600	1742.6822	7946.2868
5	16:20:05	167.5017	6665.1644	8126.4604	ID 3693.3183	8073.9094	192656.5400	1725.1786	7888.7322
x		195.5024	6561.5828	7888.2328	ID 3777.8569	7950.2918	188763.6400	1756.1852	7669.0305
%RSD		19.507	1.591	1.898	ID 3.382	1.985	2.030	3.162	3.414

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	16:17:37	2345.3300	4631.2866	2192.7885	1837.7026	1080.9034	1187.5846	173.3351	50.0001
2	16:18:14	2465.3646	4671.3089	2270.3092	1767.6875	1088.4044	1245.0930	180.8353	56.6669
3	16:18:51	2150.2774	4893.9366	2365.3356	1855.2065	1164.2480	1300.9349	190.8355	51.6668
4	16:19:28	2197.7898	4938.9632	2362.8349	1920.2212	1134.2439	1234.2581	183.3354	62.5002
5	16:20:05	2407.8478	5134.0810	2360.3342	2040.2497	1122.5756	1271.7637	160.0015	45.0001
x		2313.3219	4853.9153	2310.3205	1884.2135	1118.0751	1247.9269	177.6686	53.1668
%RSD		5.840	4.250	3.332	5.453	3.058	3.403	6.578	12.559

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	16:17:37	1101446.2000	5491.8090	67.5003	5202.8737	1071.3189	2605.4072	1229533.4000	30.0001
2	16:18:14	1136372.4000	5699.4484	72.5003	5399.2485	1218.8391	2714.1919	1281899.1000	27.5000
3	16:18:51	1160817.9000	5785.7578	80.0004	5724.4655	1151.3295	2851.7379	1311442.9000	32.5001
4	16:19:28	1177541.1000	5797.0156	75.0003	5892.0823	1208.8377	2929.2647	1333834.4000	40.0001
5	16:20:05	1187809.2000	5990.9027	85.0004	5581.8688	1185.0843	2891.7516	1340999.4000	45.0001
x		1152797.4000	5752.9867	76.0003	5560.1078	1167.0819	2798.4707	1299541.8000	35.0001
%RSD		3.008	3.142	8.888	4.853	5.099	4.828	3.494	20.825

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	16:17:37	2985.5347	745.0333	1412.6197	T 1881493.1000	4432.4285	10420.2610	3580.7691	3060.5619
2	16:18:14	3163.1002	785.0370	1352.6098	T 1962558.3000	4660.0526	11043.5630	3958.4399	2995.5383
3	16:18:51	3210.6184	812.5396	1322.6049	T 2014148.4000	4882.6800	11547.9960	4243.5802	3313.1585
4	16:19:28	3390.6897	757.5344	1455.1270	T 2052781.5000	4885.1815	11351.4760	4133.5249	3273.1427
5	16:20:05	3323.1625	797.5382	1485.1323	T 2080713.4000	5010.2557	11706.9670	4233.5751	3218.1213
x		3214.6211	779.5365	1405.6188	T 1998339.0000	4774.1197	11214.0530	4029.9779	3172.1045
%RSD		4.867	3.582	4.841	T 3.951	4.795	4.531	6.849	4.341

Run	Time	208Pb	209Bi	220Bkg
1	16:17:37	7593.4581	1255105.6000	0.0000
2	16:18:14	8003.8418	1329024.0000	0.0000
3	16:18:51	8266.5982	1374478.1000	0.0000
4	16:19:28	8279.1106	1393467.1000	0.0000
5	16:20:05	8364.1955	1416410.8000	0.0000
x		8101.4408	1353697.2000	0.0000
%RSD		3.881	4.712	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	16:23:34	259103.0700	2969.6957	4381.1514	685.0282	635.0242	16528.8760	800.0384	666501.0300
2	16:24:11	260081.1700	2992.2038	4306.1123	625.0234	675.0273	16401.1240	737.5326	678399.8100
3	16:24:48	261932.8300	2896.3366	4701.3258	675.0273	720.0311	16949.7200	805.0389	682198.1300
4	16:25:25	261288.9200	2923.8462	4246.0815	535.0172	790.0375	17295.4290	747.5335	685355.8700
5	16:26:01	260167.9900	2908.0073	4376.1487	735.0324	835.0418	16694.2050	797.5382	691437.5100
x		260514.8000	2938.0179	4402.1639	651.0257	731.0324	16773.8710	777.5363	680778.4700
%RSD		0.425	1.401	4.003	11.628	11.192	2.125	4.149	1.366

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	16:23:34	282.5048	16330.9860	16899.6180	ID 3995.9578	19856.1280	189633.3800	1887.7138	19745.8660
2	16:24:11	267.5043	17097.5220	17338.0180	ID 3958.4399	20247.0670	193513.5600	1865.2087	19688.2300
3	16:24:48	217.5028	16796.9110	17488.3310	ID 4005.9626	20723.2350	194020.1400	1905.2178	19951.3550
4	16:25:25	225.0030	16806.9310	17548.4570	ID 4313.6161	20552.8140	194490.9200	1857.7070	19991.4510
5	16:26:01	192.5022	17363.0700	17839.0740	ID 4363.6422	20790.9030	194483.2500	1930.2235	20379.8900
x		237.0034	16879.0840	17422.7000	ID 4127.5237	20434.0290	193228.2500	1889.2142	19951.3580
%RSD		15.653	2.284	1.976	ID 4.708	1.886	1.061	1.568	1.365

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	16:23:34	4851.4118	11598.0650	5556.8521	3598.2767	2767.9596	1668.5004	319.1728	65.0003
2	16:24:11	4911.4469	11810.8640	5679.4347	3733.3361	2850.4874	1636.8274	363.3413	65.8336
3	16:24:48	5436.7729	12031.1790	5989.6518	4143.5299	2914.6763	1634.3269	350.0074	61.6669
4	16:25:25	5504.3173	12196.4190	5817.0296	4035.9771	2877.1633	1631.8264	354.1742	60.8336
5	16:26:01	5644.4109	12128.8200	5847.0506	4103.5101	2878.8305	1681.0029	341.6737	50.0001
x		5269.6720	11953.0690	5778.0037	3922.9260	2857.8234	1650.4968	345.6739	60.6669
%RSD		6.886	2.060	2.866	6.184	1.931	1.372	4.844	10.434

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	16:23:34	1106203.9000	14162.0240	172.5018	13956.6780	2925.5134	6700.1925	1230170.4000	27.5000
2	16:24:11	1132037.6000	14741.7780	232.5032	14070.6190	2921.7621	7051.7324	1264537.2000	25.0000
3	16:24:48	1145345.3000	14689.1850	240.0035	14528.9040	3051.8087	7179.3412	1278942.3000	47.5001
4	16:25:25	1155762.2000	14894.5490	215.0028	14467.5480	3046.8069	7216.8736	1293742.1000	37.5001
5	16:26:01	1163618.7000	15108.6840	220.0029	14550.1910	3024.2987	7153.0687	1302772.7000	47.5001
x		1140593.6000	14719.2440	216.0028	14314.7880	2994.0380	7060.2417	1274032.9000	37.0001
%RSD		1.979	2.388	12.156	1.952	2.175	2.980	2.238	28.825

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	16:23:34	8038.8755	1980.2353	3415.6999	T 1883918.3000	11348.9730	26814.3210	9783.2393	7651.0107
2	16:24:11	8256.5882	1947.7276	3303.1545	T 1937933.5000	11522.9610	27589.3450	9858.3278	7933.7749
3	16:24:48	8484.3168	2012.7430	3503.2362	T 1961930.8000	11764.5480	28399.5600	10456.5560	7878.7227
4	16:25:25	8351.6829	2072.7577	3595.7756	T 1987895.4000	12024.9200	28512.4440	10263.8170	8068.9045
5	16:26:01	8719.5595	2050.2522	3655.8017	T 1994340.0000	11908.5030	28923.8580	9943.4288	8086.4215
x		8370.2046	2012.7432	3494.7336	T 1953203.6000	11713.9810	28047.9060	10061.0740	7923.7669
%RSD		3.035	2.520	4.026	T 2.290	2.364	3.004	2.853	2.222

Run	Time	208Pb	209Bi	220Bkg
1	16:23:34	19279.7770	1265113.1000	0.0000
2	16:24:11	19778.4430	1302825.0000	0.0000
3	16:24:48	20051.5950	1322671.0000	0.0000
4	16:25:25	20723.2350	1345563.6000	0.0000
5	16:26:01	20470.1110	1353262.4000	0.0000
x		20060.6320	1317887.0000	0.0000
%RSD		2.838	2.697	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	16:29:33	252912.1700	5781.1713	8033.8707	1030.0637	1385.1151	28197.6260	837.5421	642753.7400
2	16:30:10	252676.8600	5813.6939	8028.8659	1080.0700	1400.1176	28117.3550	857.5441	651443.6700
3	16:30:46	253565.7600	5921.2696	8199.0315	1300.1014	1345.1086	29429.3740	870.0454	660181.5000
4	16:31:23	257459.1100	5811.1922	8564.3987	1260.0953	1460.1279	29025.4610	962.5556	670928.5200
5	16:32:00	261526.1900	6020.5073	8649.4865	1260.0953	1410.1193	29524.7100	957.5550	687648.6900
x		255628.0200	5869.5669	8295.1306	1186.0851	1400.1177	28858.9050	897.0484	662591.2300
%RSD		1.496	1.699	3.548	10.286	2.978	2.314	6.544	2.637

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	16:29:33	280.0047	32879.7370	31868.3190	ID 3638.2941	38634.3500	188485.2600	2217.7951	38556.4900
2	16:30:10	242.5035	32372.7580	32417.9330	ID 3853.3907	39769.6720	189797.0400	2062.7553	39086.4510
3	16:30:46	255.0039	33376.7070	32864.6780	ID 3918.4210	39679.2420	191861.0000	1985.2364	39252.2270
4	16:31:23	182.5020	33692.9760	32688.9890	ID 3883.4046	39757.1120	194618.8600	2057.7540	40269.5640
5	16:32:00	212.5027	33687.9550	33374.1970	ID 4206.0612	41412.6450	197416.0100	2070.2571	40445.4120
x		234.5034	33202.0260	32642.8230	ID 3899.9143	39850.6040	192435.6400	2078.7596	39522.0290
%RSD		16.158	1.717	1.703	ID 5.207	2.498	1.882	4.085	2.042

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	16:29:33	9427.8300	22029.0780	10827.0290	6852.8165	5582.7027	2388.6756	634.1908	40.0001
2	16:30:10	9618.0472	22460.2270	11397.7890	7040.4728	5671.0957	2402.8464	693.3622	45.0001
3	16:30:46	10526.6440	23600.8730	11177.4910	7633.4946	5787.8426	2455.3617	657.5259	48.3335
4	16:31:23	10666.8220	23778.8780	11422.8230	7568.4353	5886.2448	2436.1894	675.0273	45.8335
5	16:32:00	10386.4690	23871.6420	11568.0240	7658.5176	6023.8431	2509.5445	671.6937	53.3335
x		10125.1630	23148.1400	11278.6310	7350.7474	5790.3458	2438.5235	666.3600	46.5001
%RSD		5.557	3.648	2.558	5.119	3.004	1.955	3.310	10.480

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	16:29:33	1045209.7000	27233.1760	370.0082	26554.7420	5510.5714	13475.8870	1151603.7000	27.5000
2	16:30:10	1082920.0000	28106.0670	445.0119	27393.7010	5878.3225	13790.1510	1203010.8000	35.0001
3	16:30:46	1111106.4000	29154.6610	450.0122	28290.4400	6047.1933	14520.1390	1240323.2000	42.5001
4	16:31:23	1122952.8000	29768.0730	405.0098	28639.1280	5967.1356	14470.0520	1262520.5000	52.5002
5	16:32:00	1151738.0000	29934.9200	460.0127	28896.2630	6251.0937	14476.3130	1290038.4000	45.0001
x		1102785.4000	28839.3790	426.0110	27954.8550	5930.8633	14146.5080	1229499.3000	40.5001
%RSD		3.678	3.984	8.838	3.460	4.593	3.408	4.388	23.667

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	16:29:33	15248.9390	3498.2341	6467.5087	T 1746005.7000	21076.6200	50867.2760	17523.4050	14169.5360
2	16:30:10	15787.4400	3635.7930	6690.1844	T 1830293.1000	22219.5830	52877.2300	18756.0840	14798.1270
3	16:30:46	16969.7610	4301.1097	6922.8744	T 1901199.8000	23410.3370	54974.4850	19936.3190	15176.3070
4	16:31:23	16781.8810	4243.5802	7005.4433	T 1935915.3000	23762.5810	56704.7720	20349.8170	16012.8700
5	16:32:00	17500.8580	4123.5200	7098.0216	1943386.4000	24477.1450	58392.6180	20630.5050	16556.4310
x		16457.7760	3960.4474	6836.8065	T 1871360.1000	22989.2530	54763.2760	19439.2260	15342.6540
%RSD		5.574	9.293	3.743	T 4.442	5.852	5.457	6.624	6.203

Run	Time	208Pb	209Bi	220Bkg
1	16:29:33	36057.8420	1166557.7000	0.0000
2	16:30:10	38099.3950	1232736.4000	0.0000
3	16:30:46	40269.5640	1284336.4000	0.0000
4	16:31:23	40877.5130	1313370.2000	0.0000
5	16:32:00	41804.5950	1350803.5000	0.0000
x		39421.7820	1269560.8000	0.0000
%RSD		5.892	5.667	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	16:35:28	259203.6200	29084.8340	37323.3950	5271.6669	6277.3634	128693.6100	1757.6853	668377.7700
2	16:36:05	263330.0100	29631.7560	38021.5410	5486.8057	6707.6985	128457.5100	1825.1999	679048.3200
3	16:36:41	260444.7700	29067.2730	39975.6540	5696.9466	6607.6186	128409.2700	1912.7195	680969.7600
4	16:37:18	266877.7400	29833.3060	39297.4390	5576.8655	6702.6945	130646.1400	1750.1838	691456.5000
5	16:37:55	263656.7700	29479.5510	39759.6240	5766.9948	6397.4547	131039.7500	1875.2110	689138.2700
x		262702.5800	29419.3440	38875.5310	5559.8559	6538.5659	129449.2600	1824.1999	681798.1200
%RSD		1.143	1.148	2.963	3.487	2.946	0.992	3.909	1.343

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	16:35:28	287.5050	161856.7400	153773.3000	ID 7906.2487	197211.2500	241620.2700	3058.0610	195632.1800
2	16:36:05	230.0032	164456.9100	156185.0400	ID 8326.6579	199686.6600	246276.1300	3173.1040	197769.2400
3	16:36:41	235.0033	166787.5500	158021.6800	ID 8511.8449	201845.2400	248330.7700	3190.6107	200777.4000
4	16:37:18	222.5030	167766.9100	160228.2200	ID 8561.8961	204660.1600	249870.7900	3190.6107	202869.6700
5	16:37:55	170.0017	165543.1000	158584.7200	ID 8539.3730	202641.7200	249729.1400	3250.6339	200193.6100
x		229.0032	165282.2400	157358.5900	ID 8369.2041	201209.0100	247165.4200	3172.6040	199448.4200
%RSD		18.245	1.384	1.570	ID 3.286	1.420	1.384	2.221	1.405

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	16:35:28	45458.6520	110355.9000	52834.4600	31958.6640	28059.6610	8257.4224	3129.7543	45.8335
2	16:36:05	46951.8970	110809.3600	53926.4210	32412.9130	28666.7220	8420.0851	3155.5974	40.8334
3	16:36:41	46916.7000	113340.5600	54396.9640	33391.7670	28828.9470	8490.1561	3153.9301	40.8334
4	16:37:18	46992.1230	112473.9400	55111.6370	32857.1480	29003.7190	8548.5491	3263.1388	45.0001
5	16:37:55	46215.2970	113880.3400	55516.8130	33502.2090	29080.6530	8566.9012	3203.9491	45.0001
x		46506.9340	112172.0200	54357.2590	32824.5400	28727.9400	8456.6228	3181.2739	43.5001
%RSD		1.436	1.376	1.934	1.987	1.415	1.481	1.669	5.651

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	16:35:28	1113555.8000	143737.7800	2012.7430	139506.7900	29638.8640	70451.5520	1251351.4000	42.5001
2	16:36:05	1140067.2000	146747.0500	2105.2659	143763.2200	30962.4140	72225.3900	1287473.4000	42.5001
3	16:36:41	1163138.0000	149462.1700	2035.2485	146734.3300	31204.5640	74081.5780	1316078.0000	50.0001
4	16:37:18	1171963.2000	150952.4300	2190.2878	147904.7500	31806.8350	75313.7990	1330053.0000	42.5001
5	16:37:55	1171937.4000	152771.3800	2077.7590	149332.3800	32037.7170	74608.7490	1333615.7000	22.5000
x		1152132.3000	148734.1600	2084.2608	145448.2900	31130.0790	73336.2140	1303714.3000	40.0001
%RSD		2.187	2.393	3.328	2.683	3.022	2.696	2.642	25.769

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	16:35:28	81852.5260	19417.5960	33788.3610	1862915.0000	114128.7100	274461.5200	97213.7420	77039.4660
2	16:36:05	84390.1490	19748.3720	35189.1400	T 1977906.4000	118984.6700	286722.9300	101167.8900	80486.8200
3	16:36:41	87067.4810	20211.9820	36173.3410	T 2048049.9000	122719.5000	294335.2900	104736.5700	82789.2110
4	16:37:18	87739.4740	20457.5800	36170.8300	T 2059056.5000	124793.7100	298357.0900	105577.0800	84054.2800
5	16:37:55	89657.2240	20512.7150	36391.7890	T 2068485.8000	124561.5300	301776.9800	106275.8800	84647.7420
x		86141.3710	20069.6490	35542.6920	T 2003282.7000	121037.6200	291130.7600	102994.2300	81803.5040
%RSD		3.542	2.357	3.055	T 4.302	3.725	3.736	3.672	3.795

Run	Time	208Pb	209Bi	220Bkg
1	16:35:28	195355.8000	1295118.3000	0.0000
2	16:36:05	203950.5800	1351507.7000	0.0000
3	16:36:41	209480.2400	1401359.7000	0.0000
4	16:37:18	213400.3400	1420305.2000	2.5000
5	16:37:55	215226.4100	1429904.2000	0.0000
x		207482.6700	1379639.0000	0.5000
%RSD		3.875	4.066	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	16:41:23	250677.8300	112326.9700	136229.4800	19838.5860	22585.5650	472942.6700	4781.3713	621325.2400
2	16:42:00	249763.4800	112623.4300	140189.3500	20284.6580	23302.5350	475928.1500	5214.1307	631532.6100
3	16:42:36	250332.6800	113648.8800	143535.5900	20064.1250	23849.0780	480981.2400	5134.0810	633918.9800
4	16:43:13	252128.1100	113348.1600	143861.1300	21076.6200	23603.3800	482630.0900	5109.0657	638403.9600
5	16:43:50	250695.0000	113800.0900	144980.2800	21211.9630	24325.4520	478994.0400	5249.1527	637972.7400
x		250719.4200	113149.5100	141759.1700	20495.1900	23533.2020	478295.2300	5097.5603	632630.7000
%RSD		0.348	0.570	2.519	3.001	2.757	0.815	3.644	1.097

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	16:41:23	282.5048	624338.4200	590966.9500	ID 22079.2110	758056.4800	397470.6900	7088.0131	751670.0300
2	16:42:00	252.5038	637239.7100	599682.7600	ID 23079.4150	773917.1900	405540.9000	7200.6096	773717.3500
3	16:42:36	230.0032	642196.9200	605636.0200	ID 23184.7070	781867.9600	409240.3300	7420.8026	776093.8200
4	16:43:13	222.5030	641344.9100	607778.9100	ID 23778.8780	787958.5100	411153.6500	7498.3720	778446.3000
5	16:43:50	190.0022	638924.1400	605713.8900	ID 23478.0270	786277.8400	412768.0900	7460.8384	780141.9000
x		235.5034	636808.8200	601955.7100	ID 23120.0480	777615.6000	407234.7300	7333.7271	772013.8800
%RSD		14.660	1.137	1.137	ID 2.779	1.570	1.495	2.448	1.506

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	16:41:23	170807.7600	418535.3400	201455.9900	119526.0900	106729.1200	28566.3790	11445.3540	39.1668
2	16:42:00	174201.9400	429026.6800	208314.0400	121930.5400	108639.4000	29365.8170	11718.2330	45.0001
3	16:42:36	175391.5100	430131.5100	208298.6700	122970.6600	109652.5400	29354.9450	11916.8480	44.1668
4	16:43:13	175863.8100	433541.5800	210085.1800	123318.2400	110303.5500	29480.3870	11591.3890	42.5001
5	16:43:50	176402.5200	430042.0600	207486.2700	123708.9700	109243.0500	29350.7640	11822.5470	45.0001
x		174533.5100	428255.4300	207128.0300	122290.9000	108913.5300	29223.6580	11698.8740	43.1668
%RSD		1.281	1.330	1.598	1.375	1.252	1.271	1.593	5.694

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	16:41:23	1031211.1000	546778.1900	7543.4126	534549.2900	112731.1300	266744.4000	1158218.2000	37.5001
2	16:42:00	1059606.6000	565029.9200	7713.5683	553267.4400	116170.3800	275757.0100	1195676.7000	45.0001
3	16:42:36	1066509.6000	569667.7500	7918.7606	555494.7900	118170.7100	280956.4200	1210293.4000	47.5001
4	16:43:13	1078529.0000	576088.6500	8031.3683	564357.8400	119073.4200	281182.6100	1220599.3000	52.5002
5	16:43:50	1078863.5000	575708.6900	7941.2820	562593.0500	119655.4200	282190.8500	1220331.5000	60.0002
x		1062944.0000	566654.6400	7829.6784	554052.4800	117160.2100	277366.2600	1201023.8000	48.5001
%RSD		1.838	2.121	2.526	2.140	2.395	2.324	2.164	17.328

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	16:41:23	310088.9300	72680.5720	128716.4600	1727666.6000	436564.6800	1065064.9000	369749.8700	293796.7800
2	16:42:00	322101.9600	74579.7420	131509.5600	T 1837110.8000	455944.7500	1114674.0000	387156.7500	305703.7900
3	16:42:36	329919.0300	76353.1930	133460.2100	1838717.1000	468424.1200	1144430.2000	394601.5400	314525.6400
4	16:43:13	333923.9000	76973.8640	134801.5400	1847224.4000	472618.8000	1154353.0000	401607.0900	318307.7600
5	16:43:50	335700.6900	77130.3010	135782.2700	T 1905337.8000	473792.7200	1154575.9000	401549.4100	319808.6200
x		326346.9000	75543.5340	132854.0100	T 1831211.3000	461469.0100	1126619.6000	390932.9300	310428.5200
%RSD		3.214	2.507	2.118	T 3.514	3.384	3.380	3.391	3.476

Run	Time	208Pb	209Bi	220Bkg
1	16:41:23	748836.1400	1207216.4000	0.0000
2	16:42:00	785532.2000	1261147.8000	0.0000
3	16:42:36	803700.6600	1295038.5000	0.0000
4	16:43:13	816153.1000	1306259.2000	0.0000
5	16:43:50	816953.6300	1312078.5000	0.0000
x		794235.1500	1276348.1000	0.0000
%RSD		3.574	3.400	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	16:47:18	243632.6000	276994.1200	339081.0000	47545.2470	54633.5040	1155213.4000	11062.3380	598881.8800
2	16:47:55	241473.6100	277523.8100	348742.7300	49612.2440	57366.7800	1180464.6000	11698.2050	613384.3600
3	16:48:32	246899.1600	279213.0200	355666.3300	51835.7170	58414.0170	1193178.8000	11845.9140	615927.0100
4	16:49:08	246019.5400	280724.2100	359229.3800	51926.2780	59264.9940	1194568.3000	11658.1490	624199.8500
5	16:49:45	245806.7300	279976.3400	362047.4900	50708.8150	59909.5780	1181840.7000	12043.6970	624213.3000
x		244766.3300	278886.3000	352953.3900	50325.6600	57917.7740	1181053.2000	11661.6600	615321.2800
%RSD		0.898	0.570	2.611	3.614	3.572	1.338	3.152	1.689

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	16:47:18	282.5048	T 1547515.8000	1488851.4000	ID 50630.8430	1941591.2000	739224.7300	15647.1760	T 1873202.1000
2	16:47:55	222.5030	T 1574276.5000	1511452.4000	ID 52338.8470	1990676.0000	761278.8000	15699.7750	1977489.6000
3	16:48:32	207.5026	T 1577210.0000	1517369.6000	ID 53123.7900	1987878.7000	767040.4000	16128.0920	T 1914537.9000
4	16:49:08	237.5034	T 1598289.3000	1550035.5000	ID 54434.7090	2025971.7000	779396.7800	16403.6290	T 1948359.4000
5	16:49:45	217.5028	T 1601903.6000	1535230.9000	ID 54147.8500	2023874.4000	779952.8700	15902.6590	T 1941625.8000
x		233.5033	T 1579839.1000	1520588.0000	ID 52935.2080	1993998.4000	765378.7100	15956.2660	T 1931043.0000
%RSD		12.614	T 1.383	1.536	ID 2.899	1.721	2.179	1.967	T 2.037

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	16:47:18	423538.8700	1054280.3000	503117.6000	293235.0000	263839.9400	69343.9870	28206.8240	54.1668
2	16:47:55	431781.1200	1077517.3000	517071.5700	300546.1800	269066.4600	70498.6140	28777.1020	57.5002
3	16:48:32	432617.8800	1085061.0000	519064.9500	302334.1400	270315.9400	70918.8230	28711.8770	60.8336
4	16:49:08	438775.1100	1095856.2000	521946.8600	307715.8500	273762.4200	71790.4050	29068.1090	55.0002
5	16:49:45	435947.3400	1086258.0000	525590.5100	306344.1800	274678.5000	70928.9090	29046.3670	55.0002
x		432532.0600	1079794.6000	517358.3000	302035.0700	270332.6500	70696.1480	28762.0560	56.5002
%RSD		1.329	1.452	1.659	1.892	1.595	1.259	1.211	4.825

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	16:47:18	999695.2600	1388162.7000	18387.7640	1359132.7000	280328.2900	665931.8700	1127525.4000	45.0001
2	16:47:55	1034349.1000	1446547.1000	19179.5460	1411448.9000	291706.4900	692805.6900	1168902.2000	45.0001
3	16:48:32	1056346.5000	1469421.7000	19673.1950	1435948.3000	297081.4600	708576.3100	1199100.3000	22.5000
4	16:49:08	1059128.7000	1490069.3000	19811.0210	1458970.6000	300578.5700	717701.0200	1213567.2000	45.0001
5	16:49:45	1076225.3000	1507364.1000	20252.0790	1469199.7000	302941.8800	725494.4300	1221126.3000	45.0001
x		1045149.0000	1460313.0000	19460.7210	1426940.0000	294527.3400	702101.8600	1186044.3000	40.5001
%RSD		2.818	3.171	3.656	3.081	3.053	3.361	3.232	24.845

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	16:47:18	779996.7000	181587.1100	315693.5900	1691782.5000	1114003.9000	2792794.1000	940904.5900	745981.3500
2	16:47:55	821953.7900	187863.9700	332248.9000	T 1815589.5000	1176265.9000	2952426.9000	1001150.4000	788361.5900
3	16:48:32	844516.1900	193216.7900	338706.2100	T 1883867.4000	1220629.5000	3071157.0000	1032293.6000	816147.6000
4	16:49:08	856728.4200	195455.6000	344618.8800	1876533.9000	1248368.5000	3140280.0000	1054806.0000	836080.8700
5	16:49:45	868340.5700	197897.2200	346059.2600	T 1935491.4000	1264859.8000	3191421.7000	1071347.7000	846103.2100
x		834307.1400	191204.1400	335465.3700	T 1840652.9000	1204825.5000	3029615.9000	1020100.5000	806534.9200
%RSD		4.181	3.415	3.675	T 5.078	5.051	5.276	5.049	5.009

Run	Time	208Pb	209Bi	220Bkg
1	16:47:18	1937266.6000	1196880.0000	0.0000
2	16:47:55	2064729.0000	1263022.4000	0.0000
3	16:48:32	2135620.1000	1299662.2000	0.0000
4	16:49:08	2189990.5000	1330579.1000	5.0000
5	16:49:45	2211616.3000	1353820.6000	2.5000
x		2107844.5000	1288792.9000	1.5000
%RSD		5.264	4.784	149.071

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	16:53:13	240072.3100	532267.4500	667098.6200	94017.3810	107873.7100	T 2172140.7000	21648.0820	591808.6500
2	16:53:50	239231.1300	530951.5300	676118.9000	96434.7700	110310.3000	T 2182049.1000	21828.5520	592187.9800
3	16:54:26	242581.7700	533673.2300	679189.1300	95190.5870	111723.9500	T 2196998.4000	21645.5750	593763.1000
4	16:55:03	243350.3600	530756.3300	672216.3600	96515.6990	111120.9700	T 2191726.3000	21783.4340	596688.9000
5	16:55:40	242071.4100	531766.9700	684649.9900	98873.0940	110730.8200	T 2185240.1000	21911.2680	593792.5900
x		241461.4000	531883.1000	675854.6000	96206.3060	110351.9500	T 2185630.9000	21763.3820	593648.2400
%RSD		0.720	0.221	0.988	1.880	1.341	T 0.435	0.532	0.324

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	16:53:13	332.5066	T 2965510.9000	T 2804178.8000	ID 97911.8440	T 3642418.5000	1314922.6000	28767.0670	T 3626328.2000
2	16:53:50	227.5031	T 2962255.5000	T 2817052.5000	ID 99009.7020	T 3635304.9000	1324571.6000	29178.4940	T 3643740.9000
3	16:54:26	225.0030	T 2996702.8000	T 2822088.9000	ID 99632.0540	T 3685034.1000	1336698.6000	29188.5290	T 3638526.8000
4	16:55:03	235.0033	T 2996319.1000	T 2817322.3000	ID 99007.1720	T 3665299.0000	1334000.7000	28922.6040	T 3641649.7000
5	16:55:40	180.0019	T 2989276.1000	T 2821073.9000	ID 98959.1060	T 3669559.2000	1336628.5000	29281.3540	T 3629729.9000
x		240.0036	T 2982012.9000	T 2816343.3000	ID 98903.9760	T 3659523.1000	1329364.4000	29067.6090	T 3635995.1000
%RSD		23.351	T 0.565	T 0.254	ID 0.627	T 0.557	0.713	0.738	T 0.209

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	16:53:13	829248.6500	T 2030245.5000	989227.0600	572745.8600	513070.2700	133605.8500	53857.6450	54.1668
2	16:53:50	834953.2800	T 2048326.2000	1000597.0000	581204.9800	518749.5200	132588.9700	54854.1130	53.3335
3	16:54:26	834446.0500	T 2031726.5000	990181.0100	576801.7800	517285.9500	132682.1000	54509.3620	70.8336
4	16:55:03	834255.8500	T 2050071.2000	992313.7300	580460.6900	519904.9600	132602.5100	54872.5670	50.0001
5	16:55:40	833958.1500	T 2046287.9000	992215.5100	573767.6900	515171.6500	132632.1400	54543.7520	61.6669
x		833372.4000	T 2041331.4000	992906.8500	576996.2000	516836.4700	132822.3100	54527.4880	58.0002
%RSD		0.280	T 0.468	0.453	0.661	0.532	0.331	0.753	14.389

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	16:53:13	999787.9500	T 2718998.8000	37037.1220	T 2653179.6000	559123.3000	1347124.4000	1137291.0000	37.5001
2	16:53:50	1013480.9000	T 2760828.1000	37047.1670	T 2697213.8000	571203.9900	1370807.0000	1162688.8000	30.0001
3	16:54:26	1017510.4000	T 2767965.6000	37423.8440	T 2695331.7000	570864.3600	1383317.4000	1169821.2000	47.5001
4	16:55:03	1017662.4000	T 2780849.5000	37551.9190	T 2709411.6000	572914.3800	1382175.4000	1167027.1000	37.5001
5	16:55:40	1016958.8000	T 2783110.1000	37933.6420	T 2717543.4000	571260.1500	1386615.3000	1170749.0000	37.5001
x		1013080.1000	T 2762350.4000	37398.7390	T 2694536.0000	569073.2400	1374007.9000	1161515.4000	38.0001
%RSD		0.753	T 0.938	1.005	T 0.922	0.987	1.177	1.197	16.381

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	16:53:13	M 1599679.9000	363840.6100	639479.4000	1736751.8000	2336193.0000	T 5515395.5000	T 1952329.1000	1547894.3000
2	16:53:50	M 1643893.7000	371865.9700	657174.7300	1798197.1000	2422138.9000	T 5672321.1000	T 2007852.6000	1604579.0000
3	16:54:26	M 1660372.0000	371299.0200	657714.9500	T 1851254.8000	2450245.7000	T 5744960.6000	T 2036375.5000	1617399.3000
4	16:55:03	M 1664405.4000	373637.6400	657679.8400	1813866.1000	2455483.4000	T 5742658.8000	T 2038386.9000	1625818.7000
5	16:55:40	M 1662820.9000	372858.9000	656715.5600	1806823.7000	2470613.8000	T 5810144.5000	T 2055783.3000	1640406.2000
x		M 1646234.4000	370700.4300	653752.9000	T 1801378.7000	2426935.0000	T 5697096.1000	T 2018145.5000	1607219.5000
%RSD		M 1.657	1.063	1.222	T 2.299	2.212	T 1.978	T 2.012	2.217

Run	Time	208Pb	209Bi	220Bkg
1	16:53:13	T 3897394.2000	1237462.2000	0.0000
2	16:53:50	T 4007198.6000	1271522.5000	5.0000
3	16:54:26	T 4021107.8000	1280382.9000	2.5000
4	16:55:03	T 4056524.4000	1292183.3000	2.5000
5	16:55:40	T 4087316.8000	1290740.7000	5.0000
x		T 4013908.4000	1274458.3000	3.0000
%RSD		T 1.800	1.751	69.722

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	16:59:09	243731.2600	89.1671	985201.9800	137627.1700	157275.2600	2472.8668	31208.3280	589314.6300
2	16:59:45	249700.8100	139.1678	1037578.5000	143769.5700	165262.6100	2607.9080	33178.4170	607041.7300
3	17:00:22	249254.4100	145.8346	1065635.1000	148409.8700	172859.4200	2770.4605	33966.5830	622853.2300
4	17:00:58	251460.9000	180.0019	1083611.9000	150389.8900	173022.7600	2685.4326	34420.9420	631591.8500
5	17:01:35	252542.8900	168.3350	1110830.5000	156190.1300	179650.8100	2815.4755	35081.1860	642720.0300
x		249338.0500	144.5013	1056571.6000	147277.3300	169614.1700	2670.4287	33571.0910	618704.2900
%RSD		1.365	24.272	4.542	4.751	5.055	5.101	4.442	3.390

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	16:59:09	260.0041	750.0338	2385.3413	ID 99358.8200	950.0542	1886708.5000	41945.2990	645.0250
2	16:59:45	262.5041	900.0486	2430.3543	ID 105455.5600	1075.0693	1978534.6000	42679.0110	782.5367
3	17:00:22	205.0025	872.5457	2577.8987	ID 106544.2700	1107.5736	2018546.8000	43880.2250	947.5539
4	17:00:58	185.0021	1122.5756	2835.4823	ID 107843.3200	1305.1022	2058961.5000	45021.2870	1080.0700
5	17:01:35	207.5026	1142.5783	2715.4423	ID 109570.6400	1607.6551	2098372.3000	45368.1610	1030.0637
x		224.0031	957.5564	2588.9038	ID 105754.5200	1209.0909	2008224.7000	43778.7970	897.0498
%RSD		15.677	17.712	7.316	ID 3.679	21.225	4.050	3.359	20.125

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	16:59:09	282.5048	922.5511	480.0138	707.5300	153.3347	765.0351	45.8335	45.8335
2	16:59:45	325.0063	935.0525	422.5107	792.5377	148.3347	829.2079	56.6669	35.8334
3	17:00:22	317.5061	922.5511	442.5118	810.0394	145.8346	820.8738	69.1670	45.8335
4	17:00:58	462.5128	1072.5690	447.5120	920.0508	173.3351	872.5457	64.1669	45.8335
5	17:01:35	420.0106	1110.0739	607.5221	885.0470	191.6689	870.8788	66.6669	64.1669
x		361.5081	992.5595	480.0141	823.0410	162.5016	831.7083	60.5002	47.5001
%RSD		21.037	9.195	15.460	10.110	12.038	5.300	15.602	21.630

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	16:59:09	985502.0400	1273.8474	17.5000	1290.0999	105.0007	231.2532	1102554.4000	30.0001
2	16:59:45	1019610.3000	1495.1341	10.0000	1397.6172	118.7509	255.0039	1148861.0000	22.5000
3	17:00:22	1039358.7000	1411.3695	12.5000	1376.3637	112.5008	281.2548	1181886.6000	32.5001
4	17:00:58	1057078.7000	1577.6493	10.0000	1518.8884	148.7513	318.7561	1204709.5000	17.5000
5	17:01:35	1077568.4000	1658.9151	27.5000	1592.6522	165.0016	348.7573	1227965.4000	40.0001
x		1035823.6000	1483.3831	15.5000	1435.1243	130.0011	287.0051	1173195.4000	28.5001
%RSD		3.414	10.052	47.574	8.371	19.741	16.515	4.187	30.764

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	16:59:09	2355.3328	75.0003	140.0012	1642928.2000	523.7665	1256.3447	487.5143	427.5110
2	16:59:45	2630.4151	100.0006	142.5012	1726128.9000	687.5284	1550.1442	640.0246	452.5123
3	17:00:22	2565.3948	100.0006	192.5022	1787383.7000	700.0294	1573.8986	657.5259	525.0165
4	17:00:58	2547.8894	125.0009	205.0025	1822427.5000	802.5386	1916.4703	747.5335	577.5200
5	17:01:35	2555.3917	125.0009	242.5035	1853779.0000	872.5457	1922.7218	722.5313	540.0175
x		2530.8848	105.0007	184.5021	1766529.4000	717.2817	1643.9159	651.0259	504.5155
%RSD		4.087	19.921	23.614	4.743	18.444	17.096	15.613	12.396

Run	Time	208Pb	209Bi	220Bkg
1	16:59:09	965.0559	1156904.4000	2.5000
2	16:59:45	1097.5723	1218105.9000	0.0000
3	17:00:22	1195.0857	1260345.1000	0.0000
4	17:00:58	1492.6337	1290713.2000	0.0000
5	17:01:35	1565.1470	1315071.0000	0.0000
x		1263.0989	1248227.9000	0.5000
%RSD		20.369	5.014	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:05:04	255447.7800	75.0003	1468538.1000	202792.8300	233141.3000	2908.0073	44968.5030	634471.2200
2	17:05:40	253878.4000	79.1670	1531519.3000	210192.8500	243918.2800	3093.0739	45689.9120	651396.4300
3	17:06:17	256147.0900	91.6672	T 1536467.6000	216255.0300	247815.7700	3395.6917	48090.8650	664169.1900
4	17:06:54	258685.3900	99.1673	T 1533757.7000	217876.4600	252611.5900	3388.1886	48792.4250	673248.6600
5	17:07:31	264404.0700	95.0005	T 1570154.5000	222275.3700	255678.0100	3323.1625	49240.0460	683293.9300
x		257712.5400	88.0005	T 1528087.4000	213878.5100	246632.9900	3221.6248	47356.3500	661315.8900
%RSD		1.600	11.839	T 2.411	3.535	3.560	6.644	4.038	2.882

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:05:04	275.0045	475.0135	2452.8609	ID 143105.8000	802.5386	T 2552569.6000	59408.5100	670.0269
2	17:05:40	240.0035	565.0192	2425.3529	ID 149270.0300	892.5478	T 2630582.4000	62113.1230	687.5284
3	17:06:17	215.0028	652.5256	2562.8940	ID 151881.5800	1042.5652	T 2702124.1000	62538.7890	852.5436
4	17:06:54	237.5034	562.5190	2387.8421	ID 153556.8700	3508.2383	T 2750439.2000	62614.3530	782.5367
5	17:07:31	192.5022	585.0205	2610.4088	ID 156057.6800	1077.5697	T 2767348.8000	63926.7610	715.0307
x		232.0033	568.0196	2487.8717	ID 150774.3900	1464.6919	T 2680612.8000	62120.3070	741.5333
%RSD		13.272	11.176	3.802	ID 3.282	78.366	T 3.324	2.674	10.167

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:05:04	280.0047	755.0342	325.0063	755.0342	358.3410	811.7062	67.5003	39.1668
2	17:05:40	317.5061	767.5354	375.0084	815.0399	325.8397	876.7128	58.3335	45.8335
3	17:06:17	352.5075	837.5421	462.5128	910.0497	316.6727	874.2125	79.1670	56.6669
4	17:06:54	372.5083	912.5500	372.5083	875.0459	326.6731	865.0449	68.3336	49.1668
5	17:07:31	342.5070	845.0428	327.5064	847.5431	339.1736	950.8876	79.1670	57.5002
x		333.0067	823.5409	372.5085	840.5426	333.3400	875.7128	70.5003	49.6668
%RSD		10.702	7.778	14.940	7.047	4.832	5.671	12.526	15.451

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:05:04	1064223.1000	1123.8258	5.0000	1131.3268	63.7502	166.2517	1208832.4000	432.5112
2	17:05:40	1109252.0000	1277.5979	10.0000	1225.0900	77.5004	196.2523	1258679.3000	457.5126
3	17:06:17	1131632.8000	1323.8551	5.0000	1288.8497	91.2505	247.5037	1288706.5000	455.0124
4	17:06:54	1153075.4000	1326.3555	10.0000	1165.0814	105.0007	243.7536	1310142.7000	460.0127
5	17:07:31	1158604.3000	1332.6065	7.5000	1300.1014	83.7504	275.0045	1320951.3000	545.0178
x		1123357.5000	1276.8482	7.5000	1222.0899	84.2504	225.7532	1277462.4000	470.0133
%RSD		3.416	6.915	33.333	6.074	18.250	19.351	3.533	9.221

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:05:04	6379.9413	62.5002	122.5009	1804842.9000	663.7764	1591.4019	1832.7015	1452.6266
2	17:05:40	6672.6704	90.0005	175.0018	T 1947905.5000	816.2900	1897.7161	2027.7467	1587.6512
3	17:06:17	6897.8536	82.5004	197.5023	T 2012164.1000	863.7948	2011.4927	1995.2388	1675.1684
4	17:06:54	6932.8827	110.0007	190.0022	T 2041656.3000	818.7902	2080.2596	2167.7819	1765.1869
5	17:07:31	7288.1857	95.0005	200.0024	T 2064212.1000	805.0389	2044.0006	2132.7729	1610.1555
x		6834.3067	88.0005	177.0019	T 1974156.2000	793.5381	1924.9742	2031.2484	1618.1577
%RSD		4.920	19.825	18.072	T 5.280	9.569	10.317	6.498	7.131

Run	Time	208Pb	209Bi	220Bkg
1	17:05:04	3613.2832	1270077.5000	0.0000
2	17:05:40	4048.4832	1333105.4000	0.0000
3	17:06:17	4351.1356	1382091.8000	0.0000
4	17:06:54	4516.2234	1405914.9000	0.0000
5	17:07:31	4546.2398	1416711.0000	0.0000
x		4215.0730	1361580.1000	0.0000
%RSD		9.255	4.439	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:11:00	251742.5500	54647.7640	848886.0100	119054.4100	134278.1900	1223398.7000	45400.8380	617951.4600
2	17:11:37	252285.2600	55599.8640	869502.9100	121402.9300	140789.3400	1230919.9000	46607.4720	625755.2500
3	17:12:14	249375.4500	55463.9630	879671.6300	124411.8200	143184.6300	1240542.5000	47065.0330	631936.5700
4	17:12:50	252697.4700	55723.1840	888454.1300	124619.8900	144629.2600	1241486.3000	46843.7910	635736.1300
5	17:13:27	254276.0800	55894.3240	897128.8100	125325.3500	144049.3400	1256681.2000	46748.2570	640983.6400
x		252075.3600	55465.8200	876728.7000	122962.8800	141386.1500	1238605.7000	46533.0780	630472.6100
%RSD		0.706	0.873	2.126	2.157	2.995	1.013	1.406	1.417

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:11:00	252.5038	313331.9100	293711.3500	ID 75240.6430	378512.9300	1398072.6000	30734.0710	378560.0000
2	17:11:37	255.0039	320748.7300	297209.6600	ID 76469.2500	384202.1100	1425457.7000	31040.2020	384332.9400
3	17:12:14	182.5020	320024.1600	296269.5600	ID 77814.1140	388007.4800	1441975.8000	31788.0130	387434.2100
4	17:12:50	185.0021	318972.4700	299548.7100	ID 78041.2230	390746.0900	1454994.5000	31639.9510	387387.0900
5	17:13:27	177.5019	321382.4600	299649.7500	ID 79863.3640	391969.0700	1458337.9000	31951.1350	389012.7600
x		210.5027	318891.9500	297277.8000	ID 77485.7190	386687.5400	1435767.7000	31430.6750	385345.4000
%RSD		18.805	1.014	0.833	ID 2.249	1.411	1.722	1.653	1.078

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:11:00	85097.2860	209493.0500	102220.6200	120393.4400	104707.0400	28684.2820	11578.8720	44.1668
2	17:11:37	86741.6090	212223.3500	102407.9000	122902.1600	106896.2400	29085.6700	11768.3040	40.0001
3	17:12:14	87896.1120	213764.5000	103946.7800	123599.8700	107756.3800	29426.8650	11815.0360	54.1668
4	17:12:50	87517.1550	215439.3100	103969.5600	124175.8400	107948.0000	29603.3220	12181.3970	50.8335
5	17:13:27	87509.5760	216216.5500	104210.0400	123901.8000	107585.8600	29659.3540	12026.1710	53.3335
x		86952.3470	213427.3500	103350.9800	122994.6200	106978.7000	29291.8990	11873.9560	48.5001
%RSD		1.287	1.259	0.923	1.244	1.244	1.389	1.972	12.708

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:11:00	1021893.8000	266808.9200	3848.3884	262314.5600	55154.4190	130827.7000	1137390.8000	25.0000
2	17:11:37	1044136.9000	276002.4300	3668.3072	270981.6200	57292.5210	135341.4400	1185451.1000	30.0001
3	17:12:14	1065420.0000	280053.0200	3968.4447	272126.8000	58009.9590	137788.5500	1204554.2000	35.0001
4	17:12:50	1071446.8000	283201.7900	3793.3632	275414.7100	58965.3790	138523.0800	1207909.3000	27.5000
5	17:13:27	1071744.1000	284702.9100	4020.9699	276929.9600	58713.6110	138767.0900	1211720.2000	32.5001
x		1054928.3000	278153.8200	3859.8947	271553.5300	57627.1780	136249.5700	1189405.1000	30.0001
%RSD		2.051	2.576	3.641	2.098	2.652	2.437	2.588	13.176

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:11:00	308128.1700	36000.0930	63422.9330	1705217.7000	447638.3400	1093465.6000	361465.5300	300600.5900
2	17:11:37	321598.0400	37486.6260	65894.4990	1780401.2000	470887.2800	1155133.3000	380333.0500	315849.3200
3	17:12:14	327665.1600	38209.8990	66746.2370	T 1863194.1000	482255.5600	1179395.4000	389455.2200	323291.7200
4	17:12:50	332048.6600	38614.2570	67852.6190	T 1889871.0000	489192.9000	1194386.0000	393414.8600	328905.1000
5	17:13:27	334098.1800	38631.8380	67653.5100	T 1886445.2000	489128.0000	1198660.7000	396637.3600	328499.5700
x		324707.6400	37788.5430	66313.9600	T 1825025.8000	475820.4200	1164208.2000	384261.2000	319429.2600
%RSD		3.213	2.917	2.706	T 4.399	3.664	3.698	3.678	3.685

Run	Time	208Pb	209Bi	220Bkg
1	17:11:00	755217.7800	1187638.5000	0.0000
2	17:11:37	798271.6800	1245382.2000	0.0000
3	17:12:14	812976.4500	1271922.2000	0.0000
4	17:12:50	822542.8800	1287910.1000	0.0000
5	17:13:27	831830.4300	1295090.8000	0.0000
x		804167.8500	1257588.7000	0.0000
%RSD		3.736	3.460	0.000

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:16:57	256309.4700	72.5003	1125.0759	160.0015	205.0025	1497.6346	535.0172	642776.6600
2	17:17:34	259610.1600	73.3337	950.0542	135.0011	145.0013	1605.1546	655.0257	658784.7000
3	17:18:11	263426.3200	42.5001	775.0360	130.0010	125.0009	1352.6098	555.0185	678295.5600
4	17:18:47	264451.3700	38.3334	685.0282	110.0007	135.0011	1495.1341	520.0162	687637.8500
5	17:19:24	267553.9100	65.0003	895.0481	115.0008	110.0007	1622.6580	560.0188	689500.2000
x		262270.2500	58.3336	886.0485	130.0010	144.0013	1514.6382	565.0193	671398.9900
%RSD		1.669	28.696	19.057	15.142	25.326	7.140	9.345	2.995

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:16:57	272.5045	472.5134	2020.2449	ID 3213.1193	500.0150	176422.9400	1807.6960	350.0074
2	17:17:34	262.5041	465.0130	1915.2201	ID 3158.0983	510.0156	181957.5600	1685.1704	377.5086
3	17:18:11	192.5022	320.0061	1957.7299	ID 3318.1605	372.5083	183564.7400	1512.6373	255.0039
4	17:18:47	240.0035	322.5062	2042.7503	ID 3295.6516	377.5086	184712.1800	1525.1396	235.0033
5	17:19:24	207.5026	420.0106	1952.7288	ID 3503.2362	410.0101	187007.5300	1450.1262	340.0069
x		235.0034	400.0099	1977.7348	ID 3297.6532	434.0115	182732.9900	1596.1539	311.5060
%RSD		14.664	18.662	2.648	ID 3.992	15.320	2.177	9.187	20.109

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:16:57	142.5012	482.5140	220.0029	342.5070	89.1671	890.0475	40.0001	39.1668
2	17:17:34	142.5012	445.0119	235.0033	325.0063	90.8338	918.3839	69.1670	54.1668
3	17:18:11	107.5007	492.5146	230.0032	332.5066	60.8336	939.2196	54.1668	58.3335
4	17:18:47	120.0009	412.5102	202.5025	325.0063	47.5001	879.2131	55.8335	54.1668
5	17:19:24	140.0012	500.0150	247.5037	307.5057	70.8336	966.7227	67.5003	46.6668
x		130.5010	466.5131	227.0031	326.5064	71.8337	918.7174	57.3335	50.5002
%RSD		12.222	7.900	7.445	3.927	25.816	3.889	20.566	15.061

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:16:57	1067927.6000	165.0016	2.5000	131.2510	50.0001	130.0010	1196319.9000	15.0000
2	17:17:34	1110093.8000	153.7514	20.0000	147.5013	37.5001	132.5011	1247483.2000	10.0000
3	17:18:11	1140366.9000	143.7512	2.5000	117.5008	35.0001	56.2502	1283177.8000	27.5000
4	17:18:47	1155139.1000	135.0011	12.5000	135.0011	31.2501	82.5004	1305624.0000	12.5000
5	17:19:24	1160840.8000	148.7513	7.5000	132.5011	41.2501	86.2504	1317681.7000	25.0000
x		1126873.6000	149.2513	9.0000	132.7511	39.0001	97.5006	1270057.3000	18.0000
%RSD		3.406	7.505	82.402	8.056	18.328	33.762	3.868	43.257

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:16:57	830.0413	30.0001	80.0004	T 1827952.8000	360.0078	901.2987	242.5035	185.0021
2	17:17:34	912.5500	42.5001	70.0003	T 1919787.1000	417.5105	1030.0637	262.5041	235.0033
3	17:18:11	1012.5615	32.5001	57.5002	T 1984741.0000	251.2538	637.5244	160.0015	160.0015
4	17:18:47	737.5326	25.0000	65.0003	T 2027054.4000	273.7545	661.2762	170.0017	150.0014
5	17:19:24	832.5416	42.5001	82.5004	T 2046201.3000	357.5077	878.7963	230.0032	222.5030
x		865.0454	34.5001	71.0003	T 1961147.3000	332.0068	821.7919	213.0028	190.5022
%RSD		11.924	22.569	14.646	T 4.531	20.572	20.422	21.344	19.650

Run	Time	208Pb	209Bi	220Bkg
1	17:16:57	505.0153	1230385.2000	0.0000
2	17:17:34	527.5167	1304988.9000	0.0000
3	17:18:11	375.0084	1354801.2000	0.0000
4	17:18:47	305.0056	1380070.5000	0.0000
5	17:19:24	482.5140	1398077.0000	0.0000
x		439.0120	1333664.6000	0.0000
%RSD		21.650	5.063	0.000

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:22:52	254550.9500	605.0220	655.0257	60.0002	105.0007	90079.2390	575.0198	655685.2300
2	17:23:29	257641.2800	672.5271	945.0536	155.0014	175.0018	90101.9830	572.5197	666622.7100
3	17:24:06	258182.6500	633.3574	945.0536	160.0015	160.0015	91668.9340	557.5187	670695.8700
4	17:24:42	264409.2300	625.8568	595.0212	75.0003	130.0010	93600.2240	525.0165	682290.2400
5	17:25:19	266109.5900	601.6884	670.0269	85.0004	175.0018	93193.2010	550.0181	691853.7800
x		260178.7400	627.6903	762.0362	107.0008	149.0014	91728.7160	556.0186	673429.5600
%RSD		1.875	4.531	22.231	43.911	20.604	1.809	3.634	2.082

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:22:52	335.0067	16473.7670	7763.6147	ID 3225.6242	4306.1123	183431.8600	1630.1594	4003.4614
2	17:23:29	265.0042	16786.8910	8229.0610	ID 3173.1040	4493.7113	184671.2800	1555.1451	4203.5599
3	17:24:06	242.5035	17380.6060	8254.0858	ID 3325.6635	4466.1965	186498.8100	1552.6446	4273.5955
4	17:24:42	215.0028	16927.1740	8231.5635	ID 3278.1446	4471.1992	187534.1600	1562.6465	4148.5324
5	17:25:19	147.5013	17518.3940	8541.8756	ID 3650.7995	4508.7194	191109.0200	1680.1694	4128.5224
x		241.0037	17017.3670	8204.0401	ID 3330.6672	4449.1877	186649.0300	1596.1530	4151.5343
%RSD		28.472	2.527	3.404	ID 5.640	1.839	1.584	3.560	2.411

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:22:52	962.5556	4603.7713	2330.3258	1397.6172	605.8554	1636.8274	378.3419	42.5001
2	17:23:29	1080.0700	4843.9074	2252.8045	1447.6257	688.3618	1601.8206	345.8405	55.8335
3	17:24:06	1052.5665	4896.4381	2397.8449	1465.1288	628.3570	1630.9929	343.3404	53.3335
4	17:24:42	1087.5710	4858.9161	2305.3188	1517.6382	594.1879	1720.1775	376.6752	60.8336
5	17:25:19	1070.0687	5031.5185	2462.8639	1512.6373	605.0220	1665.1664	379.1753	61.6669
x		1050.5663	4846.9103	2349.8316	1468.1294	624.3568	1650.9970	364.6747	54.8335
%RSD		4.847	3.193	3.487	3.377	6.067	2.710	5.039	14.069

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:22:52	1086674.9000	3026.7996	37.5001	2882.9986	618.7730	1403.8682	1215754.3000	7.5000
2	17:23:29	1114708.2000	3021.7978	32.5001	3050.5583	642.5248	1511.3870	1248049.3000	20.0000
3	17:24:06	1133457.6000	2950.5222	50.0001	2960.5258	667.5267	1561.3963	1268149.3000	17.5000
4	17:24:42	1149829.4000	3116.8328	42.5001	2961.7762	657.5259	1475.1305	1288445.4000	20.0000
5	17:25:19	1159330.7000	2976.7816	52.5002	2983.0338	606.2721	1533.8912	1302470.4000	12.5000
x		1128800.2000	3018.5468	43.0001	2967.7785	638.5245	1497.1347	1264573.7000	15.5000
%RSD		2.571	2.102	19.457	2.019	4.030	4.072	2.703	34.967

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:22:52	3533.2489	3718.3294	6667.6664	T 1869994.7000	2522.8818	5885.8278	1935.2247	1655.1644
2	17:23:29	3635.7930	3803.3677	6787.7633	T 1924315.2000	2657.9238	6308.6370	2240.3011	1850.2054
3	17:24:06	3663.3050	3973.4471	6962.9077	1910858.2000	2720.4440	6429.9797	2170.2826	1722.6780
4	17:24:42	3875.9011	4176.0461	7007.9454	T 2002395.6000	2632.9159	6336.1579	2142.7755	1777.6896
5	17:25:19	4048.4832	3953.4376	7160.5751	T 2018964.8000	2549.1398	6476.2655	2132.7729	1872.7104
x		3751.3462	3924.9256	6917.3716	T 1945305.7000	2616.6611	6287.3736	2124.2713	1775.6896
%RSD		5.535	4.480	2.786	T 3.250	3.087	3.731	5.354	5.061

Run	Time	208Pb	209Bi	220Bkg
1	17:22:52	3965.9435	1262171.9000	0.0000
2	17:23:29	4426.1751	1308863.0000	0.0000
3	17:24:06	4478.7032	1336261.0000	2.5000
4	17:24:42	4536.2343	1355437.0000	0.0000
5	17:25:19	4278.5981	1369842.2000	0.0000
x		4337.1309	1326515.0000	0.5000
%RSD		5.268	3.212	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:28:46	215170.8400	153.3347	TM 60517233.0000	TM 8454504.4000	TM 9768833.7000	TM 193680330.0000	TM 2105676.4000	529881.1000
2	17:29:25	217944.0200	140.8345	TM 63833710.0000	TM 8920862.0000	TM 10341446.0000	TM 199722870.0000	TM 2212232.6000	553745.1600
3	17:30:03	219720.6100	157.5015	TM 66064406.0000	TM 9299243.6000	TM 10738293.0000	TM 203496970.0000	TM 2285597.1000	566942.2200
4	17:30:41	220330.5600	168.3350	TM 67834721.0000	TM 9556904.8000	TM 11021886.0000	TM 206973660.0000	TM 2341771.4000	576631.8500
5	17:31:20	222094.8100	147.5013	TM 69818064.0000	TM 9678861.2000	TM 11284562.0000	TM 209962330.0000	TM 2395218.4000	585384.0800
x		219052.1700	153.5014	TM 65613627.0000	TM 9182075.2000	TM 10631004.0000	TM 202767230.0000	TM 2268099.2000	562516.8800
%RSD		1.200	6.774	TM 5.493	TM 5.442	TM 5.602	TM 3.137	TM 4.998	3.858

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:28:46	422905.3900	8739.5804	54059.7810	ITD 6270847.2000	26168.5230	TM 102844960.0000	TM 2609400.6000	5111.5672
2	17:29:25	436021.0500	8704.5438	56201.3790	ITD 6616086.7000	27091.4650	TM 108425110.0000	TM 2738579.7000	4806.3857
3	17:30:03	444918.3200	8757.0988	56692.1870	ITD 6900818.3000	27778.7220	TM 111982490.0000	TM 2842100.4000	4938.9632
4	17:30:41	450820.7000	8644.4813	57447.3320	ITD 7022072.5000	28443.4590	TM 115257250.0000	TM 2909680.4000	5089.0534
5	17:31:20	460139.9200	9049.9114	59652.7460	ITD 7196248.0000	28129.8970	TM 117662590.0000	TM 2962596.7000	5151.5918
x		442961.0700	8779.1231	56810.6850	ITD 6801214.5000	27522.4130	TM 111234480.0000	TM 2812471.6000	5019.5123
%RSD		3.215	1.793	3.568	ITD 5.354	3.301	TM 5.249	TM 5.015	2.864

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:28:46	5887.0787	15361.6460	8651.9891	6987.9286	488.3476	901.7155	60.8336	171.6684
2	17:29:25	5751.9844	16125.5870	8972.3276	7661.0199	555.0185	924.2179	70.8336	207.5026
3	17:30:03	6174.7868	16666.6500	9027.3870	7338.2296	538.3507	946.7204	63.3336	209.1693
4	17:30:41	6312.3899	17057.4400	8792.1357	7673.5314	580.0202	980.0576	55.0002	197.5023
5	17:31:20	5716.9603	17162.6550	9457.8640	7906.2487	557.5187	1002.5603	50.8335	205.0025
x		5968.6400	16474.7950	8980.3407	7513.3916	543.8511	951.0544	60.1669	198.1690
%RSD		4.414	4.512	3.403	4.746	6.323	4.293	12.822	7.808

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:28:46	855924.2500	151.2514	1730.1796	188.7521	2030.2473	3385.6876	1021068.7000	195.0023
2	17:29:25	902461.0900	162.5016	1672.6679	201.2524	1955.2293	3243.1310	1079827.1000	220.0029
3	17:30:03	934712.4400	145.0013	1670.1674	208.7526	2044.0006	3324.4130	1123357.3000	250.0038
4	17:30:41	957634.0000	181.2520	1562.6465	180.0019	1910.2189	3331.9160	1149563.8000	257.5040
5	17:31:20	966573.0900	133.7511	1695.1724	177.5019	1928.9732	3195.6126	1180800.0000	232.5032
x		923460.9700	154.7515	1666.1667	191.2522	1973.7339	3296.1520	1110923.4000	231.0032
%RSD		4.890	11.697	3.762	7.055	3.052	2.301	5.616	10.785

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:28:46	1752.6843	460.0127	910.0497	1515959.2000	77.5004	173.7518	7425.8071	5511.8222
2	17:29:25	2102.7653	547.5180	907.5494	1629882.2000	77.5004	166.2517	8186.5192	5922.1035
3	17:30:03	1912.7195	500.0150	882.5467	1694060.8000	92.5005	216.2528	8289.1205	6364.9298
4	17:30:41	2092.7627	517.5161	967.5562	1751211.4000	76.2503	175.0018	8649.4865	6602.6146
5	17:31:20	2185.2865	637.5244	897.5483	1788386.0000	68.7503	158.7515	8606.9425	6747.7308
x		2009.2437	532.5172	913.0501	1675899.9000	78.5004	178.0019	8231.5751	6229.8402
%RSD		8.687	12.523	3.541	6.423	10.998	12.558	5.983	8.168

Run	Time	208Pb	209Bi	220Bkg
1	17:28:46	14262.1940	1024301.8000	0.0000
2	17:29:25	15526.9520	1094572.8000	0.0000
3	17:30:03	16178.1890	1145386.7000	0.0000
4	17:30:41	16889.5980	1183485.1000	0.0000
5	17:31:20	17022.3680	1209352.9000	0.0000
x		15975.8600	1131419.9000	0.0000
%RSD		7.074	6.527	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:34:48	219804.4400	9270.9875	TM 66673943.0000	TM 9306963.5000	TM 10792732.0000	TM 204640790.0000	TM 2291051.9000	573172.5000
2	17:35:25	221595.1000	9719.8319	TM 68409735.0000	TM 9555647.0000	TM 11137918.0000	TM 208268380.0000	TM 2358048.3000	584398.3700
3	17:36:02	221246.8700	9424.4929	TM 69456475.0000	TM 9720019.3000	TM 11199446.0000	TM 209525570.0000	TM 2406465.8000	592787.1600
4	17:36:38	223867.9900	9651.4191	TM 70349983.0000	TM 9715530.6000	TM 11377619.0000	TM 211585310.0000	TM 2425157.3000	594457.5800
5	17:37:15	224798.3700	9533.7838	TM 70041072.0000	TM 9813091.4000	TM 11425188.0000	TM 211567410.0000	TM 2422304.8000	598746.4000
x		222262.5600	9520.1030	TM 68986241.0000	TM 9622250.4000	TM 11186581.0000	TM 209117490.0000	TM 2380605.6000	588712.4000
%RSD		0.915	1.883	TM 2.159	TM 2.069	TM 2.240	TM 1.374	TM 2.387	1.721

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:34:48	442973.7200	68724.7220	112316.8400	ITD 6846242.0000	98508.8180	TM 112120010.0000	TM 2844089.6000	73981.9480
2	17:35:25	454093.9300	69155.7650	113827.1200	ITD 7086234.8000	100170.9600	TM 115834960.0000	TM 2934438.3000	75470.2050
3	17:36:02	453532.0400	70043.1310	116447.9600	ITD 7224952.9000	102807.7800	TM 117895050.0000	TM 2960513.4000	75684.6360
4	17:36:38	460155.7600	70504.4970	114881.4400	ITD 7256107.2000	102812.8400	TM 119584160.0000	TM 3011628.5000	77332.1590
5	17:37:15	462003.9200	70640.6420	117550.7800	ITD 7282137.5000	102650.8600	TM 118735510.0000	TM 3002354.4000	77120.2080
x		454551.8800	69813.7510	115004.8300	ITD 7139134.9000	101390.2500	TM 116833940.0000	TM 2950604.8000	75917.8310
%RSD		1.640	1.205	1.803	ITD 2.526	1.936	TM 2.551	TM 2.280	1.797

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:34:48	21552.8350	52044.5120	26100.8110	16193.2180	9780.7364	3308.1565	986.7251	163.3349
2	17:35:25	21309.7110	53742.7400	26712.7460	16441.2030	10090.2720	3373.1826	1023.3962	197.5023
3	17:36:02	21437.5390	54120.1710	26426.8360	16373.5700	9980.9736	3430.7060	1065.0681	210.0027
4	17:36:38	21018.9740	54256.0500	26742.8420	16839.4970	10179.5470	3464.0532	1015.0618	206.6692
5	17:37:15	22011.5320	54429.6770	26524.6460	16356.0350	10180.3810	3448.2133	1034.2308	201.6691
x		21466.1180	53718.6300	26501.5760	16440.7050	10042.3820	3404.8623	1024.8964	195.8357
%RSD		1.696	1.805	0.979	1.465	1.669	1.881	2.784	9.591

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:34:48	942852.3900	47829.3660	2295.3161	46690.4340	12262.7660	27151.6610	1145853.6000	207.5026
2	17:35:25	977213.3500	48947.0780	2402.8464	48337.2840	12525.6560	28232.7440	1178578.5000	227.5031
3	17:36:02	990694.5000	49813.4390	2402.8464	49047.6670	12781.0440	28746.9980	1191921.5000	187.5021
4	17:36:38	991278.1800	49966.8530	2317.8223	49577.0360	12608.2810	28675.5020	1198307.4000	217.5028
5	17:37:15	992546.6800	50526.4620	2287.8140	49556.9160	12667.1200	28449.7300	1202347.0000	237.5034
x		978917.0200	49416.6400	2341.3290	48641.8670	12568.9730	28251.3270	1183401.6000	215.5028
%RSD		2.155	2.130	2.444	2.471	1.550	2.290	1.930	8.926

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:34:48	32932.4440	8103.9385	14116.9470	1728610.6000	44397.9560	107326.7200	44797.5870	37102.4120
2	17:35:25	34257.7710	8161.4946	14535.1650	T 1874675.5000	46905.3860	113638.3200	47054.9760	38699.6520
3	17:36:02	34624.2810	8549.3833	14530.1560	T 1901606.8000	48410.2060	116281.9200	47183.1980	39083.9390
4	17:36:38	34782.4380	8466.7990	14908.3240	1849668.0000	48737.1030	116821.8900	47321.4790	38722.2560
5	17:37:15	34616.7500	8374.2055	15158.7750	1839225.7000	48050.6340	116325.0100	47728.7920	39875.1740
x		34242.7370	8331.1642	14649.8730	T 1838757.3000	47300.2570	114078.7700	46817.2060	38696.6870
%RSD		2.211	2.311	2.725	T 3.596	3.728	3.485	2.471	2.610

Run	Time	208Pb	209Bi	220Bkg
1	17:34:48	91636.0750	1157620.6000	0.0000
2	17:35:25	95964.3870	1213847.8000	0.0000
3	17:36:02	97474.2590	1230333.3000	0.0000
4	17:36:38	97914.3740	1244306.7000	0.0000
5	17:37:15	97755.0190	1240142.8000	0.0000
x		96148.8230	1217250.2000	0.0000
%RSD		2.744	2.903	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:40:42	242534.5900	138761.5800	765396.5700	108658.8200	124406.7400	735064.8000	24949.7940	643363.1800
2	17:41:18	243154.7800	139613.1300	807115.7600	111997.5800	130397.2900	794624.0500	25609.2900	656725.0100
3	17:41:55	244111.3100	139627.5300	834639.0200	116209.6700	135985.5400	836061.5700	26687.6660	666092.7400
4	17:42:32	245790.4300	141265.6300	821450.0700	116047.4300	134008.9100	764898.8400	26035.6080	674470.5300
5	17:43:08	247622.6600	141105.4500	813729.9400	114014.6600	133602.4600	744832.6000	25486.4140	672615.4600
x		244642.7500	140074.6600	808466.2700	113385.6300	131680.1900	775096.3700	25753.7540	662653.3800
%RSD		0.846	0.767	3.236	2.779	3.443	5.288	2.524	1.935

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:40:42	567.5193	819096.9900	772772.9600	ID 87143.2670	992397.9300	1524133.5000	32867.1880	996336.4500
2	17:41:18	717.5309	828303.7500	778134.0600	ID 90518.9650	1014687.8000	1592034.6000	33991.6850	1010614.6000
3	17:41:55	672.5271	834382.6500	788123.0300	ID 93221.0090	1021786.8000	1642695.9000	34915.4930	1018853.1000
4	17:42:32	537.5173	847563.5100	799616.9400	ID 92525.8260	1043919.5000	1621058.7000	34847.7100	1033009.8000
5	17:43:08	497.5149	845175.8000	801193.0800	ID 92376.6850	1047234.3000	1627080.6000	34624.2810	1038419.2000
x		598.5219	834904.5400	787968.0100	ID 91157.1500	1024005.3000	1601400.7000	34249.2710	1019446.6000
%RSD		15.522	1.417	1.603	ID 2.695	2.198	2.930	2.494	1.668

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:40:42	222277.9300	544442.4600	263016.1700	152477.3100	136435.3100	36567.5560	14510.9560	60.0002
2	17:41:18	228228.0600	556116.7900	269361.6000	156854.9400	139376.7200	36933.3300	14851.5560	54.1668
3	17:41:55	228649.3800	559166.0300	270897.7100	158054.8000	141488.5300	37382.8280	15223.0580	63.3336
4	17:42:32	233007.6400	571654.6200	273854.5400	161318.9600	142659.0700	38166.3670	15143.7470	56.6669
5	17:43:08	234341.7800	571333.7000	274262.6300	160317.4100	143521.1800	38015.6810	15253.9480	55.8335
x		229300.9600	560542.7200	270278.5300	157804.6800	140696.1600	37413.1520	14996.6530	58.0002
%RSD		2.069	2.035	1.682	2.195	2.022	1.831	2.098	6.312

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:40:42	1080530.1000	722749.3400	9828.2923	707054.8700	147300.4400	346696.1800	1217179.0000	17.5000
2	17:41:18	1102156.6000	747618.7800	10126.1490	727731.1600	152580.4300	359505.9300	1266398.1000	35.0001
3	17:41:55	1132114.6000	760471.0600	10296.3570	742466.0000	154631.4700	367882.3800	1291376.3000	22.5000
4	17:42:32	1142333.4000	770434.3300	10258.8110	751113.0100	158177.0900	373807.5100	1305961.2000	17.5000
5	17:43:08	1157995.2000	776771.5700	10253.8050	759038.9000	159823.0500	379945.9800	1324076.4000	32.5001
x		1123026.0000	755609.0200	10152.6830	737480.7900	154502.4900	365567.6000	1280998.2000	25.0000
%RSD		2.787	2.835	1.895	2.792	3.194	3.548	3.236	33.166

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:40:42	406264.9200	96417.0670	168256.6400	T 1905710.9000	584319.3600	1431199.6000	493642.9000	392930.2800
2	17:41:18	423941.0700	99578.9240	173566.3900	T 1965051.3000	608113.2800	1493931.7000	512230.9200	406550.8700
3	17:41:55	436207.9600	102015.6300	178292.1000	T 2017285.8000	622512.9000	1530547.7000	528224.4800	418960.9500
4	17:42:32	444644.2600	103746.8100	181811.9300	T 2052408.4000	637146.7400	1571742.8000	542893.6500	426557.1300
5	17:43:08	451374.5000	104030.3100	183237.6500	T 2086072.5000	648858.1700	1598604.9000	552006.5600	437187.3400
x		432486.5400	101157.7500	177032.9400	T 2005305.8000	620190.0900	1525205.3000	525799.7000	416437.3100
%RSD		4.135	3.152	3.482	T 3.563	4.069	4.324	4.463	4.141

Run	Time	208Pb	209Bi	220Bkg
1	17:40:42	1001352.7000	1286466.8000	2.5000
2	17:41:18	1050115.3000	1340697.3000	0.0000
3	17:41:55	1074650.1000	1369732.4000	0.0000
4	17:42:32	1103341.6000	1408719.7000	0.0000
5	17:43:08	1121779.4000	1427858.9000	0.0000
x		1070247.8000	1366695.0000	0.5000
%RSD		4.413	4.111	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:46:36	249230.3700	52.5002	24621.3190	3620.7864	3960.9411	78619.1170	1537.6418	681697.0100
2	17:47:12	252366.8400	59.1669	27650.7980	4035.9771	4491.2099	80370.7070	1450.1262	710358.9000
3	17:47:49	256214.1100	40.8334	20329.7680	2865.4926	3575.7670	62659.6920	1375.1134	724145.6000
4	17:48:26	257649.8700	60.0002	20700.6790	3000.5401	3775.8552	64652.3260	1265.0960	734420.2700
5	17:49:03	257219.3700	40.0001	18119.6780	2515.3796	3025.5491	56898.5860	1225.0900	737081.8200
x		254536.1100	50.5002	22284.4480	3207.6352	3765.8645	68640.0860	1370.6135	717540.7200
%RSD		1.424	19.123	17.078	19.066	14.229	15.047	9.411	3.153

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:46:36	515.0159	665.0265	2167.7819	ID 5849.5523	572.5197	238939.6100	2510.3781	305.0056
2	17:47:12	500.0150	585.0205	2175.2839	ID 6067.2079	600.0216	243599.1400	2657.9238	292.5051
3	17:47:49	442.5118	585.0205	2060.2546	ID 5529.3338	485.0141	238214.2800	2307.8195	287.5050
4	17:48:26	410.0101	530.0169	2125.2710	ID 5561.8554	515.0159	243398.4000	2225.2971	227.5031
5	17:49:03	362.5079	502.5152	2050.2522	ID 5744.4793	430.0111	240997.6200	2050.2522	180.0019
x		446.0121	573.5199	2115.7687	ID 5750.4857	520.5165	241029.8100	2350.3341	258.5041
%RSD		14.162	10.879	2.767	ID 3.836	13.068	1.027	10.152	20.546

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:46:36	205.0025	915.0502	335.0067	462.5128	54.1668	1180.9170	66.6669	52.5002
2	17:47:12	192.5022	937.5527	267.5043	487.5143	75.8337	1251.7607	65.8336	46.6668
3	17:47:49	190.0022	852.5436	302.5055	420.0106	55.0002	1234.2581	62.5002	61.6669
4	17:48:26	152.5014	852.5436	250.0038	510.0156	53.3335	1245.9265	54.1668	67.5003
5	17:49:03	157.5015	817.5401	260.0041	517.5161	39.1668	1290.0999	60.0002	62.5002
x		179.5020	875.0461	283.0049	479.5139	55.5002	1240.5924	61.8336	58.1669
%RSD		12.893	5.664	12.421	8.255	23.612	3.175	8.165	14.448

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:46:36	1155121.9000	270.0044	12.5000	230.0032	43.7501	116.2508	1307571.9000	20.0000
2	17:47:12	1199261.1000	291.2551	2.5000	281.2548	46.2501	122.5009	1378304.7000	27.5000
3	17:47:49	1235559.8000	205.0025	7.5000	187.5021	46.2501	93.7505	1415105.7000	25.0000
4	17:48:26	1252423.4000	232.5032	20.0000	206.2526	41.2501	103.7507	1443977.0000	40.0001
5	17:49:03	1272895.3000	190.0022	7.5000	173.7518	35.0001	81.2504	1447909.9000	27.5000
x		1223052.3000	237.7535	10.0000	215.7529	42.5001	103.5007	1398573.8000	28.0000
%RSD		3.810	17.947	66.144	19.590	11.005	16.122	4.148	26.336

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:46:36	882.5467	57.5002	62.5002	T 2027003.5000	320.0061	761.2848	242.5035	165.0016
2	17:47:12	1015.0618	65.0003	87.5005	T 2140223.4000	385.0089	845.0428	255.0039	202.5025
3	17:47:49	880.0465	25.0000	62.5002	T 2203956.3000	291.2551	681.2779	235.0033	165.0016
4	17:48:26	862.5446	35.0001	67.5003	T 2240707.0000	285.0049	621.2732	210.0027	180.0019
5	17:49:03	822.5406	40.0001	92.5005	T 2257869.7000	288.7550	577.5200	150.0014	142.5012
x		892.5481	44.5001	74.5003	T 2173952.0000	314.0060	697.2797	218.5030	171.0018
%RSD		8.131	36.925	19.335	T 4.311	13.392	15.431	19.070	12.937

Run	Time	208Pb	209Bi	220Bkg
1	17:46:36	437.5115	1370723.5000	0.0000
2	17:47:12	540.0175	1449668.7000	0.0000
3	17:47:49	412.5102	1499383.1000	2.5000
4	17:48:26	430.0111	1529480.8000	0.0000
5	17:49:03	402.5097	1548461.7000	0.0000
x		444.5120	1479543.6000	0.5000
%RSD		12.408	4.823	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:52:30	254118.0400	39.1668	13606.0980	1880.2121	2120.2697	41086.0350	1242.5926	673105.2400
2	17:53:09	257324.2000	41.6668	20089.1850	2875.4960	3390.6897	61282.0040	1350.1094	688287.0500
3	17:53:48	259586.0900	42.5001	16451.2230	2340.3286	2785.4655	51272.2470	1267.5964	691478.1900
4	17:54:25	258468.8200	25.0000	10942.1790	1470.1297	1855.2065	36788.5250	1152.5797	694755.9600
5	17:55:03	262397.1000	23.3334	7768.6194	1035.0643	1115.0746	27643.2730	985.0582	700291.7700
x		258378.8500	34.3334	13771.4610	1920.2461	2253.3412	43614.4170	1199.5873	689583.6400
%RSD		1.175	27.321	34.665	37.523	38.743	29.869	11.593	1.483

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:52:30	362.5079	20094.1970	3390.6897	ID 4483.7059	292.5051	210882.4400	1917.7206	107.5007
2	17:53:09	420.0106	20074.1490	3363.1785	ID 5331.7051	342.5070	224167.5500	2102.7653	182.5020
3	17:53:48	452.5123	20342.2980	3083.0702	ID 5456.7860	382.5088	222670.7100	2050.2522	160.0015
4	17:54:25	300.0054	20101.7160	3093.0739	ID 4783.8727	312.5059	212913.1100	1885.2132	112.5008
5	17:55:03	340.0069	20191.9330	3090.5730	ID 4543.7384	220.0029	208585.7100	1827.7004	87.5005
x		375.0086	20160.8590	3204.1171	ID 4919.9616	310.0059	215843.9100	1956.7303	130.0011
%RSD		16.351	0.551	4.934	ID 9.136	19.572	3.291	5.903	30.468

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:52:30	120.0009	582.5204	275.0045	302.5055	495.0147	1009.2278	50.8335	45.8335
2	17:53:09	162.5016	660.0261	260.0041	325.0063	560.0188	1007.5609	59.1669	60.8336
3	17:53:48	87.5005	637.5244	217.5028	302.5055	587.5207	994.2260	60.0002	65.8336
4	17:54:25	100.0006	625.0234	247.5037	307.5057	593.3545	960.0553	50.8335	52.5002
5	17:55:03	122.5009	615.0227	200.0024	325.0063	580.0202	916.7171	53.3335	61.6669
x		118.5009	624.0234	240.0035	312.5059	563.1858	977.5574	54.8335	57.3335
%RSD		24.082	4.591	12.822	3.710	7.126	4.024	8.142	14.032

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:52:30	1119470.1000	220.0029	7.5000	221.2529	32.5001	45.0001	1264638.5000	160.0015
2	17:53:09	1143883.5000	232.5032	7.5000	237.5034	35.0001	82.5004	1300308.6000	175.0018
3	17:53:48	1168784.8000	208.7526	12.5000	175.0018	13.7500	61.2502	1325139.7000	190.0022
4	17:54:25	1166735.2000	143.7512	5.0000	142.5012	11.2500	45.0001	1335289.7000	160.0015
5	17:55:03	1173973.9000	136.2511	5.0000	127.5010	12.5000	30.0001	1331531.0000	155.0014
x		1154569.5000	188.2522	7.5000	180.7521	21.0000	52.7502	1311381.5000	168.0017
%RSD		1.972	23.861	40.825	26.522	55.743	37.856	2.247	8.574

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:52:30	370.0082	12.5000	20.0000	T 1963202.8000	122.5009	298.7554	147.5013	100.0006
2	17:53:09	415.0103	22.5000	37.5001	T 2033821.1000	165.0016	398.7595	150.0014	152.5014
3	17:53:48	390.0091	25.0000	30.0001	T 2061566.4000	136.2511	277.5046	152.5014	107.5007
4	17:54:25	370.0082	12.5000	12.5000	T 2081561.4000	80.0004	187.5021	80.0004	72.5003
5	17:55:03	387.5090	10.0000	27.5000	T 2083409.9000	52.5002	146.2513	60.0002	62.5002
x		386.5090	16.5000	25.5000	T 2044712.3000	111.2508	261.7546	118.0009	99.0006
%RSD		4.788	40.937	37.589	T 2.433	40.372	37.840	37.644	35.605

Run	Time	208Pb	209Bi	220Bkg
1	17:52:30	220.0029	1321804.6000	0.0000
2	17:53:09	282.5048	1369180.5000	0.0000
3	17:53:48	277.5046	1408319.8000	0.0000
4	17:54:25	192.5022	1417616.1000	0.0000
5	17:55:03	170.0017	1421241.6000	0.0000
x		228.5033	1387632.5000	0.0000
%RSD		21.999	3.043	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	17:58:36	248004.6000	56217.3190	926089.7300	130783.2700	150476.4300	1308746.7000	47447.1910	639313.6300
2	17:59:14	249477.6000	56526.0640	963931.8200	132957.2600	156852.4000	1330458.1000	49272.7390	649415.4200
3	17:59:51	251687.5900	57255.1830	978692.8000	139187.7700	158630.5900	1338093.0000	50467.3560	658872.5000
4	18:00:28	252242.3200	57206.5170	983211.1500	135685.7200	158803.8400	1327179.3000	49916.5530	662220.3900
5	18:01:05	252805.6800	57060.5210	1000318.9000	140301.2100	162188.0900	1329166.9000	50965.3730	666526.7200
x		250843.5600	56853.1210	970448.8700	135783.0400	157390.2700	1326728.8000	49613.8420	655269.7300
%RSD		0.808	0.806	2.884	2.969	2.745	0.819	2.752	1.666

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	17:58:36	390.0091	348023.5800	307967.3900	ID 81589.9700	394289.7900	1498171.4000	32857.1480	396776.2400
2	17:59:14	360.0078	350725.9100	308177.4500	ID 82554.3980	401599.2300	1539409.3000	33236.1470	401496.9700
3	17:59:51	345.0071	356195.7400	312779.2200	ID 84470.9620	408109.3400	1562229.1000	33758.2390	404413.0200
4	18:00:28	337.5068	353462.9900	312908.9600	ID 85031.6210	409006.7800	1576733.3000	33994.1950	407749.8700
5	18:01:05	260.0041	358334.5600	314790.3600	ID 86046.9630	413681.7700	1594198.2000	34119.7070	409361.0500
x		338.5070	353348.5600	311324.6800	ID 83938.7830	405337.3800	1554148.2000	33593.0870	403959.4300
%RSD		14.260	1.169	0.988	ID 2.177	1.858	2.392	1.585	1.246

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	17:58:36	90026.1700	219190.2400	105769.5000	124787.3700	108185.2100	29109.0850	11728.2470	48.3335
2	17:59:14	91676.5160	223484.5700	108170.0200	126769.4500	110492.6900	29359.9630	11974.4300	55.0002
3	17:59:51	92687.6090	225929.1800	108281.4500	127414.1700	111592.2000	30061.6240	12143.0070	55.8335
4	18:00:28	92975.7930	228831.7900	109443.9900	129539.0600	111718.8800	30248.9670	12238.9810	55.8335
5	18:01:05	92128.9650	226599.5200	110816.9600	130486.1600	111689.3200	29972.9730	12173.8860	53.3335
x		91899.0110	224807.0600	108496.3800	127799.2400	110735.6600	29750.5220	12051.7100	53.6668
%RSD		1.263	1.634	1.716	1.773	1.368	1.646	1.705	5.872

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	17:58:36	1051965.8000	281575.5500	3713.3271	275099.5500	59275.0650	137845.7300	1200553.9000	137.5011
2	17:59:14	1090408.7000	291701.3100	3883.4046	284675.7600	60798.4810	143060.0200	1250845.7000	145.0013
3	17:59:51	1110071.1000	296243.6600	4073.4954	290769.5800	62153.4220	147679.5600	1278148.1000	142.5012
4	18:00:28	1121417.8000	299897.1600	4273.5955	293471.8800	62929.2110	148898.4700	1296018.5000	122.5009
5	18:01:05	1129834.0000	301282.0500	4106.0113	297530.8200	63715.1500	150416.6200	1307650.4000	140.0012
x		1100739.5000	294139.9500	4009.9668	288309.5200	61774.2660	145580.0800	1266643.4000	137.5011
%RSD		2.817	2.701	5.389	3.031	2.855	3.519	3.371	6.428

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	17:58:36	330176.4200	38639.3730	66925.1640	1811229.2000	483892.7400	1179835.4000	389795.6000	323120.2600
2	17:59:14	346713.1100	40555.9480	70484.3270	T 1964305.1000	515013.5600	1255886.1000	414304.0700	344824.6300
3	17:59:51	356227.0300	41236.7760	71987.0910	T 2019609.2000	531561.9900	1299823.5000	423688.7100	354933.5600
4	18:00:28	360802.7100	41704.0930	73116.8630	T 2054426.6000	543457.4300	1335731.6000	436110.5600	365675.8800
5	18:01:05	367482.8200	42656.3950	74287.1450	T 2081680.1000	551657.0100	1352360.9000	442251.8600	369183.0500
x		352280.4200	40958.5170	71360.1180	T 1986250.1000	525116.5500	1284727.5000	421230.1600	351547.4700
%RSD		4.111	3.674	3.993	T 5.398	5.113	5.398	4.902	5.275

Run	Time	208Pb	209Bi	220Bkg
1	17:58:36	818508.1300	1262524.8000	0.0000
2	17:59:14	867172.8500	1342469.0000	0.0000
3	17:59:51	895254.9600	1378265.1000	0.0000
4	18:00:28	916267.8200	1403797.2000	0.0000
5	18:01:05	932041.6700	1427777.9000	0.0000
x		885849.0900	1362966.8000	0.0000
%RSD		5.058	4.728	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:04:34	241109.1100	23.3334	T 8661616.4000	1271027.3000	T 1424967.6000	52321.2370	TM 1635225.2000	608720.2900
2	18:05:10	242910.3000	33.3334	T 8866293.7000	1308170.9000	T 1440568.4000	56025.1980	TM 1679038.8000	615027.8600
3	18:05:47	243025.2500	20.0000	T 8911922.0000	T 1267444.9000	T 1469735.1000	57975.9740	TM 1689435.4000	621145.0200
4	18:06:24	245157.1800	22.5000	T 8889008.7000	T 1262609.1000	T 1457591.4000	52859.6180	TM 1683605.3000	616480.8000
5	18:07:01	242645.2400	9.1667	T 8988945.8000	1323887.1000	T 1472295.1000	47356.6780	TM 1679013.7000	614119.3900
x		242969.4200	21.6667	T 8863557.3000	T 1286627.9000	T 1453031.5000	53307.7410	TM 1673263.7000	615098.6700
%RSD		0.595	39.878	T 1.376	T 2.143	T 1.382	7.606	TM 1.296	0.728

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:04:34	612.5225	21179.3800	3603.2788	ID 4491.2099	277215.4700	208114.1400	27026.2540	3500.7352
2	18:05:10	592.5211	23247.3810	3785.8598	ID 4773.8670	286403.4700	211464.4200	26624.9650	3555.7584
3	18:05:47	600.0216	23806.4560	3673.3094	ID 4668.8075	282232.2200	207729.7300	25777.3070	3473.2236
4	18:06:24	560.0188	24142.4210	3708.3249	ID 4778.8699	285927.5400	203625.2700	24543.5900	3410.6978
5	18:07:01	482.5140	24952.3010	3388.1886	ID 4593.7658	282718.2800	200401.0000	23796.4280	3245.6319
x		569.5196	23465.5880	3631.7923	ID 4661.3040	282899.4000	206266.9100	25553.7090	3437.2094
%RSD		9.195	6.049	4.164	ID 2.628	1.302	2.085	5.349	3.467

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:04:34	2782.9646	6980.4224	3120.5842	293923.6400	1670.1674	1003.3937	138.3345	59.1669
2	18:05:10	2482.8698	7315.7098	3278.1446	296616.5800	1721.0110	960.0553	119.1675	46.6668
3	18:05:47	2520.3811	7070.4982	3103.0776	299084.9900	1691.8384	884.2136	123.3343	63.3336
4	18:06:24	2490.3721	7040.4728	3173.1040	299108.3100	1732.6801	970.0565	133.3344	59.1669
5	18:07:01	2577.8987	7027.9623	2968.0285	298168.0000	1722.6780	913.3834	120.0009	55.0002
x		2570.8973	7087.0131	3128.5878	297380.3000	1707.6750	946.2205	126.8343	56.6669
%RSD		4.835	1.861	3.604	0.734	1.517	4.999	6.739	11.151

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:04:34	998414.4900	257.5040	170.0017	260.0041	2185.2865	5262.9114	1127907.3000	55.0002
2	18:05:10	1019413.3000	322.5062	140.0012	306.2556	2216.5447	5141.5857	1151952.3000	87.5005
3	18:05:47	1021921.9000	313.7559	160.0015	300.0054	2237.8004	5485.5549	1157460.5000	87.5005
4	18:06:24	1022347.2000	260.0041	215.0028	226.2531	2209.0428	5285.4256	1168527.1000	72.5003
5	18:07:01	1017656.8000	226.2531	157.5015	192.5022	2222.7964	5451.7827	1159390.7000	77.5004
x		1015950.7000	276.0047	168.5017	257.0041	2214.2942	5325.4521	1153047.6000	76.0004
%RSD		0.983	14.785	16.707	18.852	0.874	2.671	1.324	17.653

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:04:34	8106.4409	26449.4080	46899.1010	T 1835516.6000	578.7701	1395.1168	3075.5674	2500.3751
2	18:05:10	8319.1504	27623.2070	47718.7350	T 1881408.3000	601.2717	1360.1110	3018.0464	2662.9254
3	18:05:47	8769.6119	28195.1170	47703.6490	T 1901488.1000	560.0188	1323.8551	3058.0610	2750.4538
4	18:06:24	8551.8858	27891.5980	48893.0120	T 1913630.9000	473.7635	1162.5811	3188.1097	2590.4025
5	18:07:01	8709.5490	27527.8920	48596.2840	T 1929894.8000	408.7600	925.0513	3080.5693	2627.9143
x		8491.3276	27537.4440	47962.1560	T 1892387.7000	524.5168	1233.3431	3084.0708	2626.4142
%RSD		3.260	2.401	1.656	T 1.923	15.392	15.726	2.047	3.505

Run	Time	208Pb	209Bi	220Bkg
1	18:04:34	6384.9451	1173067.3000	0.0000
2	18:05:10	6810.2817	1213096.8000	0.0000
3	18:05:47	6860.3227	1232426.4000	0.0000
4	18:06:24	6757.7389	1249376.6000	0.0000
5	18:07:01	6775.2531	1258672.0000	0.0000
x		6717.7083	1225327.8000	0.0000
%RSD		2.830	2.774	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:10:30	239882.8000	14.1667	T 1688422.3000	234940.7900	276445.5100	78298.6200	299901.0500	594618.4800
2	18:11:07	242221.5100	24.1667	T 1742885.4000	248057.8200	283884.4400	87054.8500	307109.0700	605699.1200
3	18:11:44	243388.9700	19.1667	T 1776153.7000	251988.1400	292748.3300	87590.4180	313622.5500	613283.5800
4	18:12:20	244913.5000	10.8333	T 1809752.5000	257384.3500	296393.8600	84344.6920	321598.0400	622589.5800
5	18:12:57	243406.9800	18.3334	T 1833481.0000	258915.7100	299408.8200	84998.7880	323024.1400	623774.7200
x		242762.7500	17.3334	T 1770139.0000	250257.3600	289776.1900	84457.4740	313050.9700	611993.0900
%RSD		0.771	29.323	T 3.225	3.834	3.264	4.382	3.118	1.992

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:10:30	392.5092	6284.8691	2170.2826	ID 3198.1136	55325.5470	174115.1600	6745.2288	745.0333
2	18:11:07	355.0076	6424.9759	2115.2684	ID 3423.2030	56500.8940	179328.9900	6665.1644	722.5313
3	18:11:44	325.0063	6354.9222	2037.7491	ID 3523.2446	57245.9530	181648.4200	6339.9108	795.0379
4	18:12:20	365.0080	6357.4241	1905.2178	ID 3598.2767	57787.1690	177962.6700	6014.6698	720.0311
5	18:12:57	337.5068	6042.1897	1990.2376	ID 3488.2299	58144.6430	176637.4100	5656.9194	765.0351
x		355.0076	6292.8762	2043.7511	ID 3446.2136	57000.8410	177938.5300	6284.3786	749.5338
%RSD		7.336	2.362	5.086	ID 4.422	1.970	1.590	7.235	4.182

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:10:30	602.5218	1852.7059	775.0360	60748.1160	315.0060	839.2089	68.3336	49.1668
2	18:11:07	622.5233	1882.7127	807.5391	62450.6310	337.5068	880.8799	84.1671	52.5002
3	18:11:44	665.0265	2015.2436	917.5505	64231.5920	387.5090	829.2079	65.8336	51.6668
4	18:12:20	595.0212	2012.7430	892.5478	63994.7800	333.3400	864.2115	72.5003	50.8335
5	18:12:57	620.0231	2030.2473	845.0428	63788.2050	323.3396	830.8748	63.3336	42.5001
x		621.0232	1958.7305	847.5433	63042.6650	339.3403	848.8766	70.8336	49.3335
%RSD		4.379	4.290	6.928	2.311	8.345	2.676	11.557	8.136

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:10:30	978883.3600	58.7502	40.0001	65.0003	447.5120	1037.5646	1116936.5000	65.0003
2	18:11:07	1008868.3000	156.2515	55.0002	97.5006	455.0124	1091.3215	1157757.9000	40.0001
3	18:11:44	1027682.5000	125.0009	32.5001	131.2510	455.0124	1118.8251	1190595.5000	42.5001
4	18:12:20	1042733.9000	108.7507	37.5001	91.2505	468.7632	1177.5832	1209163.1000	22.5000
5	18:12:57	1048931.7000	118.7509	47.5001	83.7504	505.0153	1160.0807	1223931.6000	50.0001
x		1021420.0000	113.5008	42.5001	93.7506	466.2631	1117.0750	1179676.9000	44.0001
%RSD		2.777	31.174	20.797	25.872	4.929	5.004	3.637	35.163

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:10:30	1555.1451	5189.1151	8989.8464	T 1762998.8000	132.5011	315.0060	510.0156	497.5149
2	18:11:07	1770.1880	5361.7243	9427.8300	1790691.3000	153.7514	425.0108	665.0265	647.5252
3	18:11:44	1830.2010	5216.6323	9603.0299	1849492.1000	171.2518	407.5100	747.5335	650.0254
4	18:12:20	1847.7048	5802.0191	10013.5130	1893074.1000	152.5014	361.2578	707.5300	612.5225
5	18:12:57	1830.2010	5674.4313	9983.4766	T 1970546.1000	131.2510	321.2562	660.0261	627.5236
x		1766.6880	5448.7844	9603.5391	T 1853360.5000	148.2513	366.0082	658.0264	607.0223
%RSD		6.897	5.064	4.418	T 4.467	11.259	13.544	13.682	10.397

Run	Time	208Pb	209Bi	220Bkg
1	18:10:30	1425.1218	1183079.4000	0.0000
2	18:11:07	1462.6283	1250448.5000	0.0000
3	18:11:44	1562.6465	1289175.1000	0.0000
4	18:12:20	1412.6197	1328633.5000	0.0000
5	18:12:57	1535.1414	1356233.6000	0.0000
x		1479.6316	1281514.0000	0.0000
%RSD		4.499	5.309	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	455c
1	18:16:27	240540.5300	14.1667	T 8754084.7000	1274717.4000	T 1412145.6000	44440.6830	TM 1654867.5000	588203.8700
2	18:17:04	239893.0900	14.1667	T 9013908.1000	T 1266490.7000	1523957.8000	48327.2260	TM 1699994.7000	602339.4800
3	18:17:41	243013.2400	16.6667	T 9115299.4000	1334607.2000	T 1469560.0000	50366.7500	M 1690214.4000	604030.5500
4	18:18:17	242544.0300	19.1667	T 9065044.4000	1327546.5000	T 1472010.6000	48679.2660	TM 1734687.7000	601832.2300
5	18:18:54	245011.3200	12.5000	T 9117392.4000	T 1284185.7000	T 1478574.8000	46527.0240	TM 1732348.1000	602540.7800
x		242200.4400	15.3333	T 9013145.8000	T 1297509.5000	T 1471249.8000	47668.1900	TM 1702422.5000	599789.3800
%RSD		0.845	17.014	T 1.674	T 2.418	T 2.704	4.744	TM 1.938	1.088

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:16:27	655.0257	24104.8120	3453.2153	ID 4258.5879	267619.2900	191280.3800	26226.2040	3125.5860
2	18:17:04	532.5170	25363.5400	3495.7331	ID 4441.1831	272289.4900	195056.4100	25253.2060	3100.5767
3	18:17:41	552.5183	26431.8520	3463.2195	ID 4628.7852	272444.4300	194718.6500	25009.9740	3095.5748
4	18:18:17	522.5164	26991.1410	3395.6917	ID 4668.8075	273056.4800	193329.3600	23457.9700	3328.1645
5	18:18:54	505.0153	27394.9550	3378.1846	ID 4453.6898	275182.2200	192554.2200	23132.0610	2885.4995
x		553.5186	26057.2600	3437.2088	ID 4490.2107	272118.3800	193387.8000	24615.8830	3107.0803
%RSD		10.711	5.111	1.423	ID 3.668	1.017	0.805	5.257	5.050

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:16:27	2570.3964	6865.3268	3185.6088	285190.4200	1742.6822	889.2141	121.6676	55.0002
2	18:17:04	2462.8639	6972.9161	3180.6069	290915.8100	1741.8487	940.8865	140.0012	51.6668
3	18:17:41	2462.8639	7113.0344	3298.1525	292375.5800	1776.8561	890.0475	139.1678	53.3335
4	18:18:17	2380.3399	6850.3145	3368.1805	292321.2300	1807.6960	931.7188	140.8345	54.1668
5	18:18:54	2302.8181	7015.4518	3148.0945	294076.3900	1796.0269	915.0502	109.1674	54.1668
x		2435.8564	6963.4087	3236.1286	290975.8800	1773.0220	913.3834	130.1677	53.6668
%RSD		4.123	1.567	2.877	1.176	1.701	2.582	10.897	2.355

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:16:27	979609.1800	172.5018	195.0023	146.2513	2371.5874	5666.9262	1112395.0000	55.0002
2	18:17:04	1012538.5000	226.2531	185.0021	201.2524	2466.6150	5875.8208	1146341.9000	50.0001
3	18:17:41	1010893.0000	235.0033	137.5011	240.0035	2497.8743	5872.0681	1160377.5000	70.0003
4	18:18:17	1019207.8000	203.7525	177.5019	212.5027	2507.8773	5898.3367	1162671.7000	72.5003
5	18:18:54	1009110.1000	185.0021	187.5021	145.0013	2466.6150	5905.8420	1156374.0000	77.5004
x		1006271.7000	204.5025	176.5019	189.0022	2462.1138	5843.7988	1147632.0000	65.0003
%RSD		1.529	12.957	12.850	22.240	2.188	1.710	1.801	18.244

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:16:27	8321.6529	26619.9500	47306.3940	1800618.5000	251.2538	593.7712	3515.7415	2923.0126
2	18:17:04	9099.9659	27798.7890	48641.5470	1862192.0000	283.7548	700.0294	3715.8283	3333.1665
3	18:17:41	9012.3707	28277.8970	49690.2070	T 1941834.1000	277.5046	717.5309	3930.9269	3268.1407
4	18:18:17	9037.3978	27926.7160	49577.0360	1890507.5000	278.7547	681.2779	3865.8965	3290.6496
5	18:18:54	9067.4304	28062.1700	49031.3210	T 1946464.0000	290.0051	638.7745	3868.3977	3260.6378
x		8907.7635	27737.1040	48849.3010	T 1888323.2000	276.2546	666.2768	3779.3582	3215.1214
%RSD		3.697	2.341	1.967	T 3.202	5.364	7.506	4.426	5.154

Run	Time	208Pb	209Bi	220Bkg
1	18:16:27	7736.0892	1214095.2000	0.0000
2	18:17:04	7998.8370	1263219.2000	0.0000
3	18:17:41	8199.0315	1288046.4000	0.0000
4	18:18:17	8391.7231	1299768.3000	2.5000
5	18:18:54	8326.6579	1292084.6000	0.0000
x		8130.4677	1271442.7000	0.5000
%RSD		3.279	2.742	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:22:24	240627.1400	12.5000	T 8032757.0000	1179564.5000	T 1320488.2000	35932.3010	TM 1593476.0000	576646.5700
2	18:23:01	242055.9700	14.1667	T 8262330.5000	1205474.1000	1394093.8000	37238.0150	TM 1617309.5000	581654.8000
3	18:23:38	242411.9300	15.0000	T 8370992.3000	1226662.9000	T 1363023.9000	37504.2040	TM 1640630.0000	581259.8700
4	18:24:14	241438.4400	12.5000	T 8514773.1000	1240862.9000	1443980.0000	36786.0140	TM 1672282.8000	591359.6500
5	18:24:51	241698.3100	13.3333	T 8494437.6000	1247099.0000	T 1379390.5000	36283.8190	TM 1668942.4000	587864.9100
x		241646.3600	13.5000	T 8335058.1000	1219932.7000	T 1380195.3000	36748.8710	TM 1638528.1000	583757.1600
%RSD		0.281	8.048	T 2.367	2.267	T 3.265	1.771	TM 2.058	0.998

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:22:24	625.0234	26850.6880	3443.2112	ID 4108.5125	237455.5900	181909.0200	28937.6560	2500.3751
2	18:23:01	537.5173	27151.6610	3310.6575	ID 4005.9626	240722.3300	184310.9400	25285.8040	2455.3617
3	18:23:38	525.0165	26996.1570	3330.6655	ID 4148.5324	243295.4600	180708.3100	25734.6750	2670.4278
4	18:24:14	485.0141	28057.1530	3248.1329	ID 4208.5625	245488.3900	183035.7900	23991.9870	2560.3933
5	18:24:51	472.5134	27660.8310	3348.1725	ID 4276.0968	243619.7300	180841.1500	23360.1960	2510.3781
x		529.0170	27343.2980	3336.1679	ID 4149.5334	242116.3000	182161.0400	25462.0640	2539.3872
%RSD		11.355	1.838	2.121	ID 2.464	1.284	0.837	8.506	3.238

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:22:24	2607.9080	5219.1338	2705.4391	329055.8800	1510.1368	905.8826	148.3347	60.8336
2	18:23:01	2497.8743	5139.0841	2585.4010	331692.3800	1625.1585	852.5436	125.0009	40.0001
3	18:23:38	2652.9222	5274.1685	2597.9049	337293.1000	1594.3192	839.2089	130.0010	46.6668
4	18:24:14	2402.8464	5304.1875	2560.3933	341077.5500	1625.1585	840.8758	123.3343	54.1668
5	18:24:51	2495.3736	5424.2648	2667.9270	341007.2600	1681.0029	860.0444	133.3344	49.1668
x		2531.3849	5272.1678	2623.4131	336025.2400	1607.1552	859.7111	132.0011	50.1668
%RSD		3.929	2.005	2.317	1.625	3.896	3.163	7.544	15.645

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:22:24	934770.9900	161.2516	135.0011	140.0012	2509.1277	5857.0576	1062587.8000	45.0001
2	18:23:01	961089.9700	188.7521	142.5012	188.7521	2504.1262	6109.7389	1093738.1000	57.5002
3	18:23:38	972714.8800	232.5032	232.5032	197.5023	2635.4167	6202.3073	1105797.4000	62.5002
4	18:24:14	980578.9100	202.5025	195.0023	160.0015	2596.6545	6224.8240	1121973.1000	65.0003
5	18:24:51	982246.7500	156.2515	167.5017	153.7514	2635.4167	6278.6144	1131168.1000	32.5001
x		966280.3000	188.2522	174.5019	168.0017	2576.1483	6134.5084	1103052.9000	52.5002
%RSD		2.018	16.618	22.954	14.434	2.540	2.717	2.433	25.864

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:22:24	8439.2711	23447.9420	41294.5620	1689568.5000	237.5034	571.2696	2767.9596	2190.2878
2	18:23:01	9109.9768	23899.2210	42053.3420	1754781.1000	271.2544	661.2762	2810.4738	2447.8595
3	18:23:38	8972.3276	24531.0530	42508.1410	T 1834210.7000	260.0041	705.0298	2958.0249	2450.3602
4	18:24:14	9157.5289	24633.8560	43377.6040	1808992.4000	267.5043	687.5284	2983.0338	2447.8595
5	18:24:51	9132.5014	24831.9420	43955.6210	1836624.7000	258.7540	662.5263	2930.5152	2755.4555
x		8962.3211	24268.8030	42637.8540	T 1784835.5000	259.0040	657.5261	2890.0015	2458.3645
%RSD		3.359	2.376	2.473	T 3.508	5.055	7.842	3.289	8.146

Run	Time	208Pb	209Bi	220Bkg
1	18:22:24	6109.7389	1142598.8000	0.0000
2	18:23:01	6227.3259	1188173.6000	0.0000
3	18:23:38	6507.5399	1217184.8000	0.0000
4	18:24:14	6299.8804	1237707.4000	0.0000
5	18:24:51	6497.5321	1248289.0000	0.0000
x		6328.4034	1206790.7000	0.0000
%RSD		2.732	3.529	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:28:22	240914.4300	12.5000	T 12502984.0000	T 1749979.5000	T 2021386.2000	10451.5500	TM 1750876.9000	582167.5600
2	18:28:59	240784.0800	11.6667	T 12845361.0000	T 1795106.0000	T 2082542.2000	10756.9380	TM 1794365.2000	592536.4900
3	18:29:36	244732.4700	15.0000	T 13168791.0000	T 1834442.6000	T 2112146.5000	11420.3200	TM 1809203.2000	601308.9000
4	18:30:12	245740.6600	10.8333	T 13438617.0000	T 1871892.6000	T 2150153.0000	11457.8720	TM 1848863.1000	608286.5200
5	18:30:49	246816.7700	10.8333	T 13478208.0000	T 1871111.9000	T 2150328.0000	11052.3240	TM 1866741.3000	606543.6000
x		243797.6800	12.1667	T 13086792.0000	T 1824506.5000	T 2103311.2000	11027.8010	TM 1814009.9000	598168.6100
%RSD		1.145	14.203	T 3.157	T 2.866	T 2.563	3.914	TM 2.525	1.812

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:28:22	535.0172	29564.8520	2915.5099	ID 3788.3609	533223.2500	178440.2200	26958.5350	2925.5134
2	18:28:59	450.0122	30021.4800	2963.0267	ID 3678.3116	540012.7000	181076.1700	26364.1380	2712.9415
3	18:29:36	425.0108	29572.3790	2958.0249	ID 3923.4234	554934.2300	182049.5400	25942.8190	2888.0003
4	18:30:12	410.0101	31025.1460	2973.0302	ID 3738.3383	552791.0900	182718.9500	23914.2640	2697.9367
5	18:30:49	387.5090	30177.0400	3073.0665	ID 3838.3838	556824.2700	181602.4400	24536.0680	3063.0628
x		441.5119	30072.1790	2976.5317	ID 3793.3636	547557.1100	181177.4600	25543.1650	2857.4910
%RSD		12.910	1.987	1.958	ID 2.474	1.894	0.908	4.992	5.370

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:28:22	2255.3051	2187.7871	987.5585	88174.0250	1287.5995	709.1968	85.0004	50.0001
2	18:28:59	2220.2957	2217.7951	1005.0606	89877.0740	1380.9477	791.7043	95.0005	60.8336
3	18:29:36	2445.3587	2337.8279	945.0536	91393.4320	1329.2727	722.5313	90.0005	51.6668
4	18:30:12	2212.7937	2442.8580	987.5585	91800.3690	1402.6180	784.2036	61.6669	65.8336
5	18:30:49	2092.7627	2432.8551	900.0486	93038.9920	1474.2971	755.8676	86.6671	37.5001
x		2245.3032	2323.8246	965.0560	90856.7780	1374.9470	752.7007	83.6671	53.1668
%RSD		5.681	5.092	4.408	2.066	5.192	4.848	15.392	20.538

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:28:22	956968.6900	67.5003	47.5001	76.2503	651.2755	1631.4097	1093272.6000	35.0001
2	18:28:59	985112.2400	112.5008	57.5002	66.2503	733.7823	1630.1594	1128579.9000	32.5001
3	18:29:36	1000838.6000	107.5007	32.5001	100.0006	738.7828	1726.4288	1156831.5000	65.0003
4	18:30:12	1018352.0000	111.2507	60.0002	91.2505	743.7832	1763.9367	1168950.8000	50.0001
5	18:30:49	1027271.1000	76.2503	52.5002	92.5005	802.5386	1691.4216	1181453.6000	47.5001
x		997708.5200	95.0006	50.0002	85.2504	734.0325	1688.6712	1145817.7000	46.0001
%RSD		2.803	22.542	21.795	16.042	7.355	3.478	3.081	28.396

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:28:22	1435.1236	44963.4760	79323.2420	T 1807296.4000	118.7509	280.0047	117.5008	102.5006
2	18:28:59	1492.6337	47122.8580	83746.2020	1827360.6000	147.5013	331.2566	95.0005	115.0008
3	18:29:36	1417.6206	48447.9240	85491.2880	T 1934015.9000	125.0009	308.7557	152.5014	90.0005
4	18:30:12	1575.1489	49111.7930	85514.0190	T 1953824.3000	107.5007	311.2558	140.0012	115.0008
5	18:30:49	1635.1604	49981.9440	87082.6380	T 1981366.1000	138.7512	310.0058	137.5011	125.0009
x		1511.1374	47925.5990	84231.4780	T 1900772.7000	127.5010	308.2557	128.5010	109.5007
%RSD		6.132	4.084	3.546	T 4.121	12.459	5.936	17.542	12.337

Run	Time	208Pb	209Bi	220Bkg
1	18:28:22	225.0030	1170204.9000	0.0000
2	18:28:59	260.0041	1232286.5000	0.0000
3	18:29:36	307.5057	1266862.6000	0.0000
4	18:30:12	282.5048	1293161.5000	0.0000
5	18:30:49	307.5057	1312443.6000	0.0000
x		276.5047	1254991.8000	0.0000
%RSD		12.636	4.473	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:34:18	240348.4400	17.5000	T 6552867.6000	950066.9200	1075760.6000	23648.5080	M 1535883.9000	575878.6000
2	18:34:55	243017.5300	14.1667	T 6653906.4000	969551.0700	1117659.5000	23430.3930	M 1548351.2000	575722.0700
3	18:35:32	243406.1200	10.8333	T 6821129.2000	996617.2300	1151295.1000	23701.1570	M 1590936.5000	584733.1800
4	18:36:08	242554.3200	10.8333	T 6817141.4000	984730.8700	1136843.1000	23931.8150	M 1589574.6000	581328.1400
5	18:36:45	242381.9100	10.0000	T 6796982.2000	993293.2800	T 1110150.9000	23974.4370	TM 1621087.8000	581030.9500
x		242341.6600	12.6667	T 6728405.4000	978851.8700	T 1118341.9000	23737.2620	TM 1577166.8000	579738.5900
%RSD		0.489	24.791	T 1.783	1.961	T 2.572	0.936	TM 2.198	0.669

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:34:18	587.5207	26389.2170	3580.7691	ID 4216.0662	106174.6000	183010.2400	25942.8190	2355.3328
2	18:34:55	545.0178	25308.3730	3435.7081	ID 4143.5299	107947.1600	184060.4900	25255.7130	2385.3413
3	18:35:32	490.0144	26171.0310	3410.6978	ID 4521.2262	108714.5400	182910.5900	25290.8190	2417.8507
4	18:36:08	532.5170	25819.9380	3423.2030	ID 4378.6501	108934.8900	180618.9100	23457.9700	2340.3286
5	18:36:45	492.5146	25809.9070	3333.1665	ID 4183.5499	108109.2400	180690.4300	22485.2940	2287.8140
x		529.5169	25899.6930	3436.7089	ID 4288.6044	107976.0800	182258.1300	24486.5230	2357.3335
%RSD		7.638	1.589	2.616	ID 3.679	1.007	0.840	5.926	2.075

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:34:18	2282.8126	5281.6732	2687.9334	486217.3700	1500.9685	949.2207	130.8344	47.5001
2	18:34:55	2347.8307	5574.3638	2742.9514	491716.3600	1595.9861	932.5522	151.6681	50.0001
3	18:35:32	2360.3342	5694.4449	2812.9747	498459.8200	1578.4828	882.5467	146.6680	48.3335
4	18:36:08	2167.7819	5319.1971	2920.5117	497038.5900	1566.8139	944.2202	174.1685	47.5001
5	18:36:45	2305.3188	5529.3338	2685.4326	501939.6600	1563.4800	846.7097	155.8348	63.3336
x		2292.8157	5479.8026	2769.9608	495074.3600	1561.1463	911.0499	151.8347	51.3335
%RSD		3.341	3.194	3.570	1.246	2.304	4.900	10.322	13.218

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:34:18	940932.4900	110.0007	272.5045	76.2503	3333.1665	7988.8274	1075466.0000	25.0000
2	18:34:55	961199.0400	152.5014	247.5037	116.2508	3401.9443	8112.6970	1101193.3000	25.0000
3	18:35:32	974703.3300	148.7513	212.5027	106.2507	3539.5015	8301.6330	1123431.3000	30.0001
4	18:36:08	979569.9500	118.7509	225.0030	131.2510	3428.2050	8267.8494	1128682.5000	25.0000
5	18:36:45	972258.4300	138.7512	187.5021	92.5005	3582.0197	8382.9643	1127576.7000	15.0000
x		965732.6500	133.7511	229.0032	104.5007	3456.9674	8210.7942	1111270.0000	24.0000
%RSD		1.596	13.941	14.226	20.293	2.951	1.926	2.062	22.822

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:34:18	10706.8740	15116.1980	25982.9440	1705348.3000	285.0049	666.2766	4898.9396	4383.6527
2	18:34:55	11059.8340	15394.2060	27141.6280	1767198.4000	286.2549	645.0250	5269.1653	4421.1725
3	18:35:32	11365.2450	15459.3260	28162.5070	T 1868214.0000	262.5041	616.2728	5376.7340	4473.7005
4	18:36:08	11245.0820	15667.2140	27573.0410	1823436.7000	292.5051	663.7764	5379.2356	4703.8272
5	18:36:45	11558.0100	15960.2690	27979.3920	1828733.6000	281.2548	678.7776	5346.7147	4668.8075
x		11187.0090	15519.4430	27367.9020	T 1798586.2000	281.5048	654.0257	5254.1578	4530.2321
%RSD		2.895	2.033	3.173	T 3.522	4.038	3.717	3.873	3.235

Run	Time	208Pb	209Bi	220Bkg
1	18:34:18	10196.2340	1177913.6000	0.0000
2	18:34:55	11242.5790	1226579.3000	0.0000
3	18:35:32	11297.6530	1258753.0000	0.0000
4	18:36:08	11402.7960	1266360.4000	0.0000
5	18:36:45	11715.7300	1273939.6000	2.5000
x		11170.9980	1240709.2000	0.5000
%RSD		5.146	3.181	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:40:12	232613.5200	10.0000	T 6155057.8000	882797.7300	1024921.5000	70254.9020	M 1265856.8000	556664.0800
2	18:40:48	235020.5000	11.6667	T 6346273.5000	919690.8800	1071319.4000	71805.5350	M 1300764.8000	566934.2000
3	18:41:25	238509.2100	8.3333	T 6508054.5000	947525.5200	1103523.5000	72632.6570	M 1332507.7000	582609.3900
4	18:42:02	237842.2100	12.5000	T 6574547.1000	955107.1900	1107838.7000	73353.9330	M 1348888.6000	579268.1000
5	18:42:38	242397.3500	11.6667	T 6680190.5000	968241.0800	1118855.2000	73792.7820	M 1362408.5000	586590.9200
x		237276.5600	10.8333	T 6452824.7000	934672.4800	1085291.6000	72367.9620	M 1322085.3000	574413.3400
%RSD		1.561	15.385	T 3.191	3.638	3.511	1.936	M 2.946	2.150

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:40:12	620.0231	28927.6210	3378.1846	ID 4608.7741	129709.1700	181806.8200	21753.3550	2317.8223
2	18:40:48	527.5167	29640.1190	3468.2216	ID 4548.7411	134181.6600	187178.8100	21427.5130	2377.8392
3	18:41:25	510.0156	30771.7090	3495.7331	ID 4696.3230	136153.2500	187725.9100	20490.1600	2235.2998
4	18:42:02	480.0138	31065.2950	3480.7268	ID 4648.7963	136173.5800	186910.3800	19302.3290	2347.8307
5	18:42:38	472.5134	30887.1350	3378.1846	ID 4666.3061	137314.5700	189395.5600	19655.6530	2265.3079
x		522.0165	30258.3760	3440.2101	ID 4633.7881	134706.4500	186603.5000	20525.8020	2308.8200
%RSD		11.331	3.075	1.670	ID 1.233	2.236	1.527	5.210	2.532

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:40:12	2605.4072	9245.1255	4163.5398	266896.6700	1341.7747	824.2074	96.6672	47.5001
2	18:40:48	2760.4571	9725.6720	4398.6606	274683.6700	1436.7905	802.5386	95.8339	58.3335
3	18:41:25	2705.4391	9893.3692	4306.1123	278967.5000	1458.4609	838.3755	101.6673	52.5002
4	18:42:02	2685.4326	10128.6520	4453.6898	280538.9600	1502.6355	816.7067	99.1673	59.1669
5	18:42:38	2797.9696	9958.4467	4453.6898	282539.8800	1595.9861	822.5406	104.1673	56.6669
x		2710.9411	9790.2530	4355.1385	276725.3300	1467.1296	820.8738	99.5006	54.8335
%RSD		2.726	3.444	2.822	2.243	6.337	1.581	3.484	8.822

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:40:12	911769.7700	972.5568	230.0032	957.5550	2908.0073	7037.9707	1030793.9000	55.0002
2	18:40:48	941138.9700	1132.5770	227.5031	1022.5627	3106.8290	7310.7054	1072503.1000	45.0001
3	18:41:25	970430.1000	1052.5665	197.5023	1075.0693	3174.3545	7289.4368	1108228.3000	45.0001
4	18:42:02	972196.8300	1140.0780	247.5037	1056.3169	3225.6242	7344.4851	1113066.4000	80.0004
5	18:42:38	980307.0400	1008.8111	205.0025	1098.8224	3195.6126	7533.4036	1121779.4000	50.0001
x		955168.5400	1061.3178	221.5030	1042.0653	3122.0855	7303.2003	1089274.2000	55.0002
%RSD		2.977	6.987	9.121	5.264	4.081	2.423	3.460	26.504

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:40:12	9247.6283	20284.6580	35555.6910	1658108.1000	210.0027	533.7671	682.5280	547.5180
2	18:40:48	9700.6429	21111.7080	36725.7490	1741700.3000	228.7531	558.7687	802.5386	675.0273
3	18:41:25	10071.0820	22081.7170	38111.9520	1791261.7000	263.7542	635.0242	860.0444	700.0294
4	18:42:02	9943.4288	21828.5520	38767.4660	T 1885224.1000	282.5048	601.2717	727.5318	615.0227
5	18:42:38	10018.5190	22402.5720	39372.7940	T 1898859.4000	231.2532	622.5233	817.5401	705.0298
x		9796.2601	21541.8420	37706.7300	T 1795030.7000	243.2536	590.2710	778.0366	648.5255
%RSD		3.449	3.939	4.120	T 5.607	12.022	7.262	9.214	10.307

Run	Time	208Pb	209Bi	220Bkg
1	18:40:12	1495.1341	1103056.0000	0.0000
2	18:40:48	1685.1704	1160383.2000	0.0000
3	18:41:25	1642.6619	1198015.9000	0.0000
4	18:42:02	1722.6780	1222668.5000	0.0000
5	18:42:38	1695.1724	1238352.3000	0.0000
x		1648.1634	1184495.2000	0.0000
%RSD		5.476	4.577	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:46:07	240882.7000	10.0000	4271.0943	700.0294	730.0320	1332.6065	885.0470	603332.6100
2	18:46:44	247923.0600	7.5000	4121.0187	580.0202	685.0282	1280.0983	950.0542	618417.9800
3	18:47:20	245966.3400	11.6667	4466.1965	620.0231	710.0303	1380.1143	1012.5615	626378.3000
4	18:47:57	246400.5600	6.6667	4536.2343	540.0175	680.0278	1352.6098	922.5511	630813.5900
5	18:48:34	250015.0200	8.3333	5391.7437	675.0273	840.0423	1737.6812	997.5597	633618.6200
x		246237.5400	8.8333	4557.2575	623.0235	729.0321	1416.6220	953.5547	622512.2200
%RSD		1.375	22.720	10.846	10.581	8.948	12.930	5.521	1.954

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:46:07	320.0061	1610.1555	1597.6531	ID 3130.5879	240.0035	162945.1400	1472.6301	15.0000
2	18:46:44	232.5032	1430.1227	1590.1517	ID 2995.5383	300.0054	164385.5200	1352.6098	32.5001
3	18:47:20	277.5046	1262.5956	1682.6699	ID 3040.5546	255.0039	165655.3000	1380.1143	17.5000
4	18:47:57	200.0024	1095.0719	1705.1744	ID 3190.6107	245.0036	168037.2800	1337.6073	17.5000
5	18:48:34	292.5051	967.5562	1582.6503	ID 3210.6184	292.5051	167351.1800	1287.5995	30.0001
x		264.5043	1273.1004	1631.6599	ID 3113.5820	266.5043	165674.8800	1366.1122	22.5000
%RSD		18.149	20.157	3.532	ID 3.000	10.438	1.263	5.005	36.004

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:46:07	55.0002	187.5021	75.0003	290.0051	27.5000	780.8699	45.0001	52.5002
2	18:46:44	52.5002	172.5018	47.5001	315.0060	45.8335	860.8778	53.3335	50.0001
3	18:47:20	42.5001	230.0032	62.5002	290.0051	25.8334	820.8738	53.3335	51.6668
4	18:47:57	47.5001	252.5038	67.5003	297.5053	35.0001	795.8713	49.1668	40.0001
5	18:48:34	45.0001	207.5026	37.5001	322.5062	23.3334	805.0389	63.3336	54.1668
x		48.5001	210.0027	58.0002	303.0055	31.5001	812.7063	52.8335	49.6668
%RSD		10.689	15.292	26.290	4.930	28.944	3.764	12.891	11.293

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:46:07	1019768.0000	67.5003	7.5000	56.2502	1.2500	7.5000	1167536.6000	20.0000
2	18:46:44	1044732.6000	71.2503	5.0000	71.2503	3.7500	3.7500	1207541.3000	15.0000
3	18:47:20	1057921.3000	83.7504	5.0000	58.7502	3.7500	6.2500	1235877.0000	12.5000
4	18:47:57	1077344.5000	96.2506	7.5000	78.7504	1.2500	3.7500	1242649.5000	15.0000
5	18:48:34	1069974.4000	123.7509	2.5000	105.0007	7.5000	12.5000	1238802.4000	17.5000
x		1053948.1000	88.5005	5.5000	74.0003	3.5000	6.7500	1218481.4000	16.0000
%RSD		2.160	25.666	38.030	26.505	73.193	53.351	2.600	17.815

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:46:07	35.0001	15.0000	20.0000	1812867.2000	28.7500	81.2504	72.5003	40.0001
2	18:46:44	37.5001	17.5000	35.0001	T 1954689.2000	28.7500	72.5003	55.0002	27.5000
3	18:47:20	60.0002	15.0000	15.0000	T 1988302.5000	23.7500	52.5002	55.0002	40.0001
4	18:47:57	57.5002	10.0000	17.5000	T 1987624.1000	25.0000	92.5005	37.5001	57.5002
5	18:48:34	67.5003	7.5000	32.5001	T 1988183.8000	47.5001	91.2505	55.0002	62.5002
x		51.5002	13.0000	24.0000	T 1946333.4000	30.7501	78.0004	55.0002	45.5001
%RSD		28.013	31.599	37.989	T 3.905	31.304	21.036	22.499	31.420

Run	Time	208Pb	209Bi	220Bkg
1	18:46:07	107.5007	1304627.0000	0.0000
2	18:46:44	117.5008	1358808.1000	0.0000
3	18:47:20	112.5008	1397016.8000	0.0000
4	18:47:57	125.0009	1403212.4000	0.0000
5	18:48:34	117.5008	1402592.4000	0.0000
x		116.0008	1373251.3000	0.0000
%RSD		5.620	3.098	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:52:01	232509.0000	131658.5500	648875.7100	91580.4690	104658.1000	532267.4500	20542.7890	575728.7600
2	18:52:38	231448.4100	132313.8100	654285.1000	91964.6650	107240.6200	538621.8800	20705.6920	576671.9900
3	18:53:14	232237.4100	131672.9500	663465.0300	93284.2110	107357.1100	538192.9600	21124.2400	582997.6900
4	18:53:51	230143.8500	131774.5300	671545.3600	94730.3880	108810.7800	549872.1500	20953.8110	583206.5700
5	18:54:28	233532.8700	132015.8100	675810.3100	96252.6830	108674.0100	543333.4700	21001.4300	588110.0900
x		231974.3100	131887.1300	662796.3000	93562.4830	107348.1200	540457.5800	20865.5920	581343.0200
%RSD		0.546	0.211	1.708	2.081	1.555	1.215	1.131	0.883

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:52:01	565.0192	715233.0200	676947.2700	ID 73104.2540	877399.8200	1268572.0000	26823.0990	878264.1500
2	18:52:38	262.5041	722373.7800	682515.0700	ID 74287.1450	888146.2600	1281255.5000	27886.5820	883185.8000
3	18:53:14	222.5030	727276.4200	687948.2100	ID 74652.8920	885836.2000	1285071.6000	28087.2540	885436.9300
4	18:53:51	157.5015	730081.5000	690773.1700	ID 75548.4080	892315.8900	1301967.7000	28383.2540	891677.6900
5	18:54:28	235.0033	735037.5400	695232.0600	ID 76206.8630	904714.3900	1309185.8000	28365.6950	897997.8700
x		288.5062	726000.4500	686683.1600	ID 74759.9130	889682.5100	1289210.5000	27909.1770	887312.4900
%RSD		55.218	1.042	1.039	ID 1.596	1.125	1.268	2.298	0.865

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:52:01	198598.6200	483008.6000	231666.0000	135317.3000	119922.5500	31870.8290	12790.6420	48.3335
2	18:52:38	199548.4100	488291.0000	236231.5200	137312.0300	122083.5900	32586.9230	12895.8040	45.8335
3	18:53:14	198009.8500	487236.9000	235634.9900	137604.2900	122620.5600	31968.7020	13095.2810	59.1669
4	18:53:51	200019.5000	490802.2700	237882.5100	139164.8900	123031.5500	32120.9530	12981.7700	41.6668
5	18:54:28	199466.4800	495037.0700	238834.1500	140125.7900	123228.6000	32566.8450	13136.1790	42.5001
x		199128.5700	488875.1700	236049.8300	137904.8600	122177.3700	32222.8510	12979.9350	47.5001
%RSD		0.406	0.910	1.170	1.340	1.092	1.041	1.094	14.835

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:52:01	956610.8900	648655.7900	9109.9768	634126.4000	131973.0500	311083.7500	1094777.2000	22.5000
2	18:52:38	973056.5200	660653.0100	9152.5234	643783.8800	134675.7800	320365.6600	1121369.4000	30.0001
3	18:53:14	982961.6300	670664.7600	9232.6116	655069.5200	136580.1500	324849.3200	1139813.3000	25.0000
4	18:53:51	988915.6500	673358.2500	9247.6283	660651.6600	138946.2900	326712.5900	1144791.4000	27.5000
5	18:54:28	996193.2500	680586.5200	9257.6394	663896.1700	140078.7600	330714.6500	1163092.2000	20.0000
x		979547.5900	666783.6700	9200.0759	651505.5300	136450.8100	322745.1900	1132768.7000	25.0000
%RSD		1.569	1.860	0.709	1.898	2.392	2.326	2.288	15.811

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:52:01	364305.2600	87400.9450	151227.3400	1689313.7000	546396.8600	1341059.2000	465447.8600	366412.1900
2	18:52:38	377529.8000	88285.1920	155196.8300	T 1795764.1000	567475.4900	1384491.8000	479319.4700	382030.6200
3	18:53:14	383922.1400	88884.0070	157614.0700	1772016.5000	578810.3800	1418771.4000	491597.1300	387405.4200
4	18:53:51	388698.6000	90529.0740	159336.3600	1790004.6000	585242.1100	1440069.5000	499151.9700	394813.7500
5	18:54:28	391948.1200	91608.2720	159532.5600	T 1865856.7000	595140.0600	1465918.9000	506272.8500	401753.9200
x		381280.7800	89341.4980	156581.4300	T 1782591.1000	574612.9800	1410062.2000	488357.8500	386483.1800
%RSD		2.867	1.909	2.211	T 3.545	3.255	3.458	3.325	3.486

Run	Time	208Pb	209Bi	220Bkg
1	18:52:01	943589.2100	1211341.9000	0.0000
2	18:52:38	981806.6300	1250493.2000	0.0000
3	18:53:14	997597.2500	1279829.2000	0.0000
4	18:53:51	1010879.0000	1295260.6000	0.0000
5	18:54:28	1030089.2000	1319020.9000	0.0000
x		992792.2600	1271189.2000	0.0000
%RSD		3.296	3.280	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	18:57:56	228066.2200	26.6667	1185.0843	180.0019	185.0021	995.0594	550.0181	572149.4100
2	18:58:33	232545.8400	27.5000	1340.1077	215.0028	185.0021	925.0513	545.0178	591260.4700
3	18:59:10	233856.7700	26.6667	1535.1414	195.0023	270.0044	1317.6042	602.5218	599586.1700
4	18:59:47	239225.1300	34.1667	1730.1796	250.0038	375.0084	1410.1193	647.5252	606097.8500
5	19:00:24	241323.5200	34.1667	1845.2043	270.0044	205.0025	1365.1118	657.5259	613231.1700
x		235003.5000	29.8334	1527.1434	222.0030	244.0039	1202.5892	600.5218	596465.0100
%RSD		2.264	13.309	17.766	16.900	33.245	18.724	8.770	2.653

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	18:57:56	252.5038	495.0147	1515.1377	ID 2837.9832	217.5028	147422.5700	1387.6155	82.5004
2	18:58:33	212.5027	537.5173	1497.6346	ID 2995.5383	222.5030	150425.5300	1410.1193	85.0004
3	18:59:10	252.5038	542.5177	1547.6437	ID 3023.0482	335.0067	152899.9500	1490.1332	155.0014
4	18:59:47	235.0033	570.0195	1662.6659	ID 3085.5711	422.5107	154325.8800	1445.1253	220.0029
5	19:00:24	192.5022	592.5211	1647.6629	ID 3135.5898	325.0063	156070.4200	1472.6301	237.5034
x		229.0032	547.5181	1574.1489	ID 3015.5461	304.5059	152228.8700	1441.1247	156.0017
%RSD		11.440	6.719	4.846	ID 3.755	28.236	2.227	2.951	46.648

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	18:57:56	57.5002	275.0045	117.5008	137.5011	25.8334	776.7029	55.0002	34.1667
2	18:58:33	67.5003	260.0041	92.5005	160.0015	27.5000	814.2064	58.3335	48.3335
3	18:59:10	72.5003	225.0030	137.5011	145.0013	38.3334	824.2074	55.8335	36.6667
4	18:59:47	72.5003	315.0060	85.0004	150.0014	48.3335	864.2115	40.8334	44.1668
5	19:00:24	85.0004	272.5045	115.0008	242.5035	44.1668	824.2074	57.5002	59.1669
x		71.0003	269.5044	109.5007	167.0018	36.8334	820.7071	53.5002	44.5001
%RSD		13.996	11.995	19.197	25.743	27.027	3.803	13.463	22.417

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	18:57:56	946648.7700	75.0003	5.0000	91.2505	12.5000	30.0001	1093266.9000	12.5000
2	18:58:33	986026.4800	83.7504	10.0000	71.2503	17.5000	33.7501	1139422.3000	17.5000
3	18:59:10	1009624.7000	95.0005	5.0000	100.0006	25.0000	50.0001	1176283.1000	5.0000
4	18:59:47	1024986.3000	135.0011	10.0000	103.7507	15.0000	71.2503	1190896.8000	20.0000
5	19:00:24	1045805.5000	125.0009	7.5000	128.7510	36.2501	72.5003	1208352.2000	15.0000
x		1002618.3000	102.7507	7.5000	99.0006	21.2500	51.5002	1161644.2000	14.0000
%RSD		3.805	25.408	33.333	21.060	45.183	38.964	3.950	41.110

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	18:57:56	572.5197	10.0000	20.0000	1657295.2000	91.2505	251.2538	65.0003	80.0004
2	18:58:33	842.5426	12.5000	25.0000	1745074.0000	91.2505	243.7536	90.0005	77.5004
3	18:59:10	672.5271	25.0000	45.0001	1822470.6000	150.0014	372.5083	135.0011	122.5009
4	18:59:47	740.0329	35.0001	47.5001	1859420.8000	218.7529	560.0188	152.5014	135.0011
5	19:00:24	585.0205	42.5001	35.0001	T 1955486.3000	163.7516	495.0147	180.0019	135.0011
x		682.5286	25.0000	34.5001	T 1807949.4000	143.0014	384.5098	124.5010	110.0008
%RSD		16.482	56.125	34.903	T 6.262	37.616	36.947	37.470	26.358

Run	Time	208Pb	209Bi	220Bkg
1	18:57:56	192.5022	1193926.6000	0.0000
2	18:58:33	215.0028	1254877.3000	0.0000
3	18:59:10	305.0056	1306331.9000	2.5000
4	18:59:47	337.5068	1349436.3000	0.0000
5	19:00:24	345.0071	1365546.6000	0.0000
x		279.0049	1294023.7000	0.5000
%RSD		25.365	5.449	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:03:53	240483.9300	18.3334	T 6494482.8000	934294.2000	1078820.9000	12111.2950	TM 1571006.3000	578878.6300
2	19:04:30	241054.2200	16.6667	T 6604819.1000	954721.5300	1117101.6000	12143.8420	M 1565860.5000	587615.7200
3	19:05:08	240907.5700	20.8334	T 6727955.9000	968207.5000	1131555.8000	12559.4570	TM 1611391.8000	584843.0000
4	19:05:50	243479.9000	30.8334	T 6734851.9000	972681.2700	1126077.9000	13217.9750	M 1576134.2000	586901.6900
5	19:06:26	243628.3100	35.0001	T 6701209.1000	973090.1300	1127548.2000	12950.0540	TM 1626279.9000	586118.0700
x		241910.7900	24.3334	T 6652663.7000	960598.9300	1116220.9000	12596.5250	TM 1590134.5000	584871.4200
%RSD		0.627	33.327	T 1.542	1.716	1.932	3.875	TM 1.696	0.599

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:03:53	465.0130	19715.7950	3128.0870	ID 3360.6775	98443.0480	165571.1500	24445.8030	1597.6531
2	19:04:30	490.0144	21823.5390	3035.5528	ID 3450.7143	99664.9430	165214.1700	22402.5720	1580.1498
3	19:05:08	470.0133	22139.3700	3190.6107	ID 3510.7394	99452.4270	164426.3100	22625.6740	1740.1817
4	19:05:50	407.5100	23365.2100	3088.0721	ID 3560.7606	99637.1130	165132.5700	21763.3820	1667.6669
5	19:06:26	437.5115	23716.2000	3145.5936	ID 3518.2425	100679.5300	164505.3500	21229.5070	1732.6801
x		454.0124	22152.0230	3117.5832	ID 3480.2269	99575.4120	164969.9100	22493.3880	1663.6663
%RSD		7.059	7.124	1.886	ID 2.227	0.798	0.297	5.430	4.454

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:03:53	2290.3147	5709.4552	2975.5311	476594.6700	1377.6139	923.3845	150.8347	64.1669
2	19:04:30	2102.7653	5664.4245	2910.5082	486230.6100	1429.2892	920.8842	160.0015	46.6668
3	19:05:08	2167.7819	5924.6053	3028.0500	489967.7400	1518.4717	910.0497	150.8347	58.3335
4	19:05:50	2125.2710	5857.0576	2847.9866	493650.8500	1490.1332	873.3791	168.3350	52.5002
5	19:06:26	2060.2546	5739.4758	2955.5240	488203.5900	1576.8158	885.8804	152.5014	43.3334
x		2149.2775	5779.0037	2943.5200	486929.4900	1478.4648	902.7156	156.5015	53.0002
%RSD		4.089	1.872	2.312	1.312	5.239	2.449	4.872	15.981

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	19:03:53	960234.2400	108.7507	250.0038	85.0004	3224.3737	7746.0985	1103742.3000	27.5000
2	19:04:30	985025.3100	90.0005	285.0049	96.2506	3446.9627	8151.4849	1138617.7000	42.5001
3	19:05:08	994101.6900	110.0007	207.5026	106.2507	3508.2383	8123.9580	1150512.3000	32.5001
4	19:05:50	993349.4100	122.5009	225.0030	106.2507	3443.2112	8113.9482	1152020.9000	40.0001
5	19:06:26	987936.5900	131.2510	240.0035	102.5006	3500.7352	8196.5290	1147327.2000	50.0001
x		984129.4500	112.5008	241.5035	99.2506	3424.7042	8066.4037	1138444.1000	38.5001
%RSD		1.410	13.900	12.064	9.021	3.384	2.255	1.764	22.774

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:03:53	11688.1910	15171.2980	26574.8060	1775848.2000	283.7548	715.0307	4181.0486	3413.1989
2	19:04:30	11758.2900	15825.0120	27389.9390	T 1903692.8000	280.0047	735.0324	4386.1540	3760.8484
3	19:05:08	11971.0920	15707.2890	27485.2520	T 1917701.1000	317.5061	810.0394	4293.6058	3888.4070
4	19:05:50	11738.2610	15779.9260	27663.3400	T 1931726.4000	361.2578	912.5500	4613.7769	3998.4590
5	19:06:26	11983.6100	15997.8410	27981.9000	T 1917260.2000	327.5064	818.7902	4431.1778	3815.8735
x		11827.8890	15696.2730	27419.0470	T 1889245.7000	314.0060	798.2885	4381.1526	3775.3574
%RSD		1.174	1.990	1.908	T 3.396	10.680	9.813	3.687	5.857

Run	Time	208Pb	209Bi	220Bkg
1	19:03:53	8922.2739	1233432.8000	0.0000
2	19:04:30	9595.5213	1290407.0000	0.0000
3	19:05:08	9550.4696	1321731.8000	0.0000
4	19:05:50	9945.9318	1318403.7000	2.5000
5	19:06:26	9848.3159	1315354.7000	0.0000
x		9572.5025	1295866.0000	0.5000
%RSD		4.176	2.857	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:09:55	241669.1500	15.8333	T 4825052.1000	696455.6700	803527.6100	19390.0320	M 1323930.8000	569514.0000
2	19:10:32	241007.0500	18.3334	T 4934991.7000	716035.2100	823856.0900	20056.6070	M 1355302.5000	571454.0400
3	19:11:08	247487.0500	23.3334	T 4967136.4000	726897.9400	837021.1000	20810.9530	M 1375134.3000	582159.5300
4	19:11:45	244483.6500	29.1667	T 5071810.5000	729485.0100	840567.8500	20344.8040	M 1389084.0000	583525.2600
5	19:12:22	243293.7500	9.1667	T 5078442.1000	735462.7100	845766.4600	20054.1010	M 1397244.4000	583498.4800
x		243588.1300	19.1667	T 4975486.6000	720867.3100	830147.8200	20131.3000	M 1368139.2000	578030.2600
%RSD		1.055	39.491	T 2.113	2.130	2.041	2.567	M 2.148	1.201

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:09:55	465.0130	23124.5400	2995.5383	ID 3363.1785	4093.5052	165905.1900	22816.1920	1272.5972
2	19:10:32	487.5143	22776.0830	2900.5047	ID 3348.1725	4276.0968	165884.7900	21597.9520	1205.0871
3	19:11:08	477.5137	23335.1260	2943.0196	ID 3523.2446	4368.6448	164609.8800	22036.5980	1322.6049
4	19:11:45	445.0119	23646.0000	2820.4772	ID 3480.7268	4336.1278	165487.0000	20825.9910	1232.5912
5	19:12:22	352.5075	23701.1570	3063.0628	ID 3505.7373	4531.2316	162200.8300	20146.8240	1162.5811
x		445.5121	23316.5810	2944.5205	ID 3444.2119	4321.1212	164817.5400	21484.7110	1239.0923
%RSD		12.201	1.641	3.130	ID 2.392	3.668	0.943	4.834	4.967

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:09:55	1707.6750	3910.9175	2150.2774	621290.2700	1175.9163	898.3818	168.3350	61.6669
2	19:10:32	1590.1517	4053.4856	2280.3119	629008.2400	1250.9272	847.5431	153.3347	40.8334
3	19:11:08	1585.1507	4343.6317	2275.3106	635278.1000	1255.9280	802.5386	152.5014	59.1669
4	19:11:45	1505.1359	4178.5474	2167.7819	643612.6300	1295.1006	856.7107	155.8348	45.0001
5	19:12:22	1432.6231	4136.0261	2257.8058	646390.7900	1297.6010	852.5436	146.6680	54.1668
x		1564.1473	4124.5217	2226.2975	635116.0100	1255.0946	851.5436	155.3348	52.1668
%RSD		6.590	3.867	2.798	1.628	3.922	3.999	5.154	17.227

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	19:09:55	935668.8700	91.2505	330.0065	38.7501	5296.6828	12904.9850	1070687.9000	20.0000
2	19:10:32	948768.2000	93.7505	370.0082	77.5004	5316.6955	12985.1090	1096171.4000	15.0000
3	19:11:08	961716.4400	121.2509	400.0096	83.7504	5505.5681	13261.7940	1114472.0000	15.0000
4	19:11:45	977925.0300	111.2507	382.5088	92.5005	5618.1432	13345.6780	1119310.7000	27.5000
5	19:12:22	979533.5100	102.5006	400.0096	60.0002	5673.1804	13608.6030	1130027.8000	17.5000
x		960722.4100	104.0007	376.5086	70.5003	5482.0540	13221.2340	1106134.0000	19.0000
%RSD		1.962	11.971	7.681	30.314	3.124	2.149	2.106	27.285

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:09:55	7298.1944	12819.8530	23031.7840	1685784.6000	42.5001	150.0014	72773.8810	64158.5320
2	19:10:32	7485.8608	13232.9980	23362.7030	1749529.4000	90.0005	240.0035	76893.1240	67401.4800
3	19:11:08	7796.1451	13443.3350	23605.8870	1767675.5000	118.7509	271.2544	79219.7650	68389.4800
4	19:11:45	7786.1357	13738.8160	24014.5520	1806123.5000	111.2507	230.0032	80655.9430	70015.3990
5	19:12:22	7868.7132	13736.3120	24493.4430	T 1878440.4000	87.5005	215.0028	81552.1020	70386.0010
x		7647.0099	13394.2630	23701.6740	T 1777510.7000	90.0005	221.2530	78218.9630	68070.1780
%RSD		3.192	2.877	2.403	T 4.008	33.057	20.268	4.495	3.672

Run	Time	208Pb	209Bi	220Bkg
1	19:09:55	158495.5500	1176926.4000	0.0000
2	19:10:32	169565.2700	1225651.5000	0.0000
3	19:11:08	171978.9800	1256211.4000	0.0000
4	19:11:45	174130.4700	1276006.7000	0.0000
5	19:12:22	175971.0400	1293685.5000	0.0000
x		170028.2600	1245696.3000	0.0000
%RSD		4.045	3.693	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:15:52	237020.9700	9.1667	T 7287656.8000	1058037.2000	1223361.3000	10756.9380	TM 1766765.9000	559162.0300
2	19:16:29	236729.5300	15.0000	T 7510025.8000	1100392.1000	T 1224060.8000	10764.4480	TM 1795891.5000	565572.4300
3	19:17:05	239486.6500	18.3334	T 7686678.4000	1118268.7000	1285994.0000	11147.4510	TM 1840205.5000	570582.2400
4	19:17:42	238586.3700	15.0000	T 7766941.0000	1123872.9000	1303601.0000	11072.3510	TM 1852916.6000	571527.5900
5	19:18:19	240109.1900	8.3333	T 7800099.1000	1139850.4000	1319920.5000	10779.4670	TM 1858796.8000	577248.6900
x		238386.5400	13.1667	T 7610280.2000	1108084.3000	T 1271387.5000	10904.1310	TM 1822915.3000	568818.5900
%RSD		0.623	32.396	T 2.792	2.827	T 3.551	1.741	TM 2.189	1.197

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:15:52	652.5256	24922.2110	3335.6675	ID 4613.7769	35229.3090	183370.5300	29160.9320	2155.2787
2	19:16:29	477.5137	24521.0240	3428.2050	ID 4513.7221	35553.1800	183125.2200	28318.0330	2185.2865
3	19:17:05	512.5158	24862.0320	3118.0832	ID 4668.8075	36529.8910	184855.3000	27673.3730	2155.2787
4	19:17:42	600.0216	24731.6450	2998.0392	ID 4676.3117	36665.4840	184262.3800	24849.4950	2175.2839
5	19:18:19	470.0133	24784.3010	3225.6242	ID 4761.3598	36901.5230	183122.6700	25975.4200	2042.7503
x		542.5180	24764.2430	3221.1238	ID 4646.7956	36175.8780	183747.2200	27195.4510	2142.7756
%RSD		14.801	0.623	5.296	ID 1.963	2.039	0.423	6.459	2.679

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:15:52	2900.5047	10957.1990	5369.2292	340317.4000	1520.9721	890.8810	183.3354	35.8334
2	19:16:29	3133.0889	11230.0620	5586.8722	349232.6200	1596.8196	860.8778	193.3356	42.5001
3	19:17:05	2787.9663	11327.6940	5909.5947	354333.8300	1599.3201	937.5527	171.6684	38.3334
4	19:17:42	2850.4874	11192.5110	5606.8856	352717.3700	1686.0039	887.5473	190.0022	40.0001
5	19:18:19	2898.0038	10982.2320	5516.8255	361264.5900	1655.1644	868.3786	198.3357	47.5001
x		2914.0102	11137.9400	5597.8814	351573.1600	1611.6560	889.0475	187.3354	40.8334
%RSD		4.486	1.450	3.530	2.180	3.926	3.365	5.506	10.895

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	19:15:52	902719.4500	51.2502	97.5006	58.7502	1307.6026	3169.3526	1038447.4000	30.0001
2	19:16:29	925112.0600	55.0002	110.0007	58.7502	1502.6355	3291.9001	1074007.1000	25.0000
3	19:17:05	942788.2000	96.2506	120.0009	87.5005	1393.8666	3399.4432	1090576.2000	37.5001
4	19:17:42	959865.1300	71.2503	90.0005	90.0005	1398.8674	3375.6836	1109016.0000	17.5000
5	19:18:19	961901.0300	100.0006	100.0006	68.7503	1447.6257	3528.2468	1124126.4000	32.5001
x		938477.1800	74.7504	103.5007	72.7503	1410.1195	3352.9252	1087234.6000	28.5001
%RSD		2.654	30.318	11.278	20.882	5.122	3.969	3.051	26.751

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:15:52	9135.0042	3920.9222	6770.2491	1649426.5000	61.2502	151.2514	1807.6960	1745.1827
2	19:16:29	9492.9038	3930.9269	7020.4560	T 1777889.1000	57.5002	132.5011	1990.2376	1700.1734
3	19:17:05	9888.3633	4191.0536	7067.9961	1773240.5000	97.5006	232.5032	2130.2722	1867.7093
4	19:17:42	10188.7250	4121.0187	7138.0558	T 1861108.1000	77.5004	241.2535	2077.7590	2010.2424
5	19:18:19	10166.1970	4366.1435	7518.3900	1842681.5000	72.5003	177.5019	2057.7540	1837.7026
x		9774.2387	4106.0130	7103.0294	T 1780869.1000	73.2503	187.0022	2012.7438	1832.2021
%RSD		4.650	4.557	3.807	T 4.665	21.572	25.857	6.216	6.572

Run	Time	208Pb	209Bi	220Bkg
1	19:15:52	4203.5599	1148659.6000	0.0000
2	19:16:29	4431.1778	1209102.7000	0.0000
3	19:17:05	4483.7059	1253057.8000	0.0000
4	19:17:42	4576.2562	1283393.9000	0.0000
5	19:18:19	4593.7658	1302621.6000	0.0000
x		4457.6931	1239367.1000	0.0000
%RSD		3.521	4.985	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:21:53	240275.5500	10.0000	T 8622135.1000	1258115.4000	T 1393612.8000	50877.3380	TM 1917335.8000	572674.9800
2	19:22:30	238341.1700	17.5000	T 8782792.4000	1290839.4000	T 1429387.4000	52426.8980	TM 1971933.8000	578693.9400
3	19:23:06	240816.6700	14.1667	T 8852171.2000	T 1242724.0000	T 1441246.7000	52701.1190	TM 1961562.2000	578849.1900
4	19:23:43	240936.7300	14.1667	T 8821524.7000	1296262.4000	T 1444769.4000	51808.0450	TM 1979002.5000	581992.1700
5	19:24:20	242396.4900	8.3333	T 8958740.0000	1305095.0000	T 1448029.6000	52623.1290	TM 1999645.6000	585034.5100
x		240553.3200	12.8333	T 8807472.7000	T 1278607.2000	T 1431409.2000	52087.3060	TM 1965896.0000	579448.9600
%RSD		0.609	28.527	T 1.391	T 2.095	T 1.556	1.462	TM 1.552	0.793

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:21:53	525.0165	23941.8430	3365.6795	ID 4531.2316	253619.0100	184990.7500	30385.2950	1990.2376
2	19:22:30	440.0116	25057.6160	3430.7060	ID 4321.1200	254487.3900	184126.9400	29193.5460	1907.7183
3	19:23:06	465.0130	25669.4750	3488.2299	ID 4503.7167	260676.8600	186989.6300	28694.3170	1990.2376
4	19:23:43	515.0159	26732.8100	3563.2616	ID 4363.6422	259330.8200	187419.1200	28548.8180	2137.7742
5	19:24:20	445.0119	26685.1580	3390.6897	ID 4306.1123	261886.4100	186455.3600	29544.7810	1872.7104
x		478.0138	25617.3800	3447.7134	ID 4405.1646	258000.1000	185996.3600	29273.3520	1979.7356
%RSD		8.290	4.581	2.305	ID 2.386	1.445	0.747	2.520	5.166

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:21:53	2532.8849	4091.0039	2092.7627	608716.2600	1379.2808	614.1893	94.1672	48.3335
2	19:22:30	2552.8910	3998.4590	2017.7442	617756.5200	1439.2909	634.1908	94.1672	69.1670
3	19:23:06	2547.8894	4000.9602	2152.7780	617837.1800	1531.8074	685.0282	94.1672	52.5002
4	19:23:43	2502.8758	3905.9152	2090.2621	623566.2000	1540.9758	668.3601	107.5007	53.3335
5	19:24:20	2470.3661	4141.0286	2077.7590	622441.6100	1516.8047	714.1973	97.5006	56.6669
x		2521.3814	4027.4734	2086.2612	618063.5500	1481.6319	663.1931	97.5006	56.0002
%RSD		1.370	2.264	2.305	0.947	4.718	6.007	5.922	14.172

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	19:21:53	940770.6600	100.0006	310.0058	91.2505	4703.8272	11379.0140	1082327.4000	10.0000
2	19:22:30	963839.5000	120.0009	360.0078	106.2507	4830.1494	11507.9400	1103193.8000	17.5000
3	19:23:06	973182.5400	146.2513	357.5077	118.7509	4708.8300	11714.4780	1117263.9000	20.0000
4	19:23:43	973213.3500	126.2510	337.5068	113.7508	4872.6742	11626.8550	1113828.9000	32.5001
5	19:24:20	977218.9600	126.2510	370.0082	123.7509	5044.0261	11825.8850	1127873.1000	17.5000
x		965645.0000	123.7509	347.0073	110.7507	4831.9014	11610.8350	1108897.4000	19.5000
%RSD		1.527	13.382	6.862	11.444	2.894	1.502	1.557	41.937

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:21:53	10872.0880	35887.1070	63075.3100	1741200.1000	923.8012	2187.7871	735.0324	605.0220
2	19:22:30	11157.4640	36595.1760	64863.9610	1797497.5000	952.5544	2394.0939	785.0370	620.0231
3	19:23:06	11485.4090	37190.3020	65388.0330	1815713.7000	1033.8141	2369.0867	882.5467	670.0269
4	19:23:43	11292.6460	37014.5220	65251.9730	1819825.0000	1012.5615	2310.3202	785.0370	760.0347
5	19:24:20	11532.9750	37627.2570	66028.0500	T 1896434.2000	970.0565	2335.3272	747.5335	725.0315
x		11268.1170	36862.8730	64921.4650	T 1814134.1000	978.5576	2319.3230	787.0373	676.0276
%RSD		2.377	1.788	1.716	T 3.070	4.558	3.456	7.353	9.832

Run	Time	208Pb	209Bi	220Bkg
1	19:21:53	1675.1684	1204095.8000	0.0000
2	19:22:30	1700.1734	1238637.9000	0.0000
3	19:23:06	1795.1933	1257910.0000	0.0000
4	19:23:43	1745.1827	1259953.2000	0.0000
5	19:24:20	1747.6832	1270277.3000	0.0000
x		1732.6802	1246174.9000	0.0000
%RSD		2.684	2.099	0.000

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:27:50	213964.5300	11.6667	TM 60779877.0000	TM 8446914.7000	TM 9809509.5000	4806.3857	TM 8556810.9000	546048.8700
2	19:28:27	215196.4900	11.6667	TM 63013128.0000	TM 8809336.1000	TM 10185329.0000	4996.4975	TM 8887188.8000	557980.3800
3	19:29:04	215567.5600	9.1667	TM 64601481.0000	TM 8982274.0000	TM 10503253.0000	5126.5764	TM 9121682.5000	572939.7900
4	19:29:40	218247.6500	15.8333	TM 65932765.0000	TM 9181125.4000	TM 10650049.0000	5054.0321	TM 9313038.3000	582565.2100
5	19:30:17	219190.2400	10.8333	TM 67000325.0000	TM 9399623.5000	TM 10992063.0000	5484.3041	TM 9495561.2000	595870.8600
x		216433.2900	11.8333	TM 64265515.0000	TM 8963854.7000	TM 10428041.0000	5093.5591	TM 9074856.4000	571081.0200
%RSD		1.014	20.772	TM 3.819	TM 4.055	TM 4.327	4.881	TM 4.047	3.445

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:27:50	795.0379	28323.0500	3073.0665	ID 37795.5160	TM 31042637.0000	839359.7000	145957.1100	46602.4440
2	19:28:27	725.0315	28365.6950	3163.1002	ID 38938.2590	TM 31925261.0000	868376.5500	140509.6700	46381.2150
3	19:29:04	777.5363	28468.5450	2865.4926	ID 40018.3580	TM 32728308.0000	883155.3000	138013.4800	47957.6000
4	19:29:40	787.5372	28639.1280	3050.5583	ID 40611.2160	TM 33581403.0000	915063.1000	149957.2000	48068.2350
5	19:30:17	695.0290	28772.0840	3040.5546	ID 42314.6600	TM 34230445.0000	929012.2600	148738.1400	49898.9480
x		756.0344	28513.7000	3038.5544	ID 39935.6020	TM 32701611.0000	886993.3800	144635.1200	47781.6880
%RSD		5.788	0.663	3.560	ID 4.282	TM 3.888	4.059	3.589	2.950

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:27:50	10549.1730	6612.6226	1447.6257	103789.8400	5134.9149	662.5263	79.1670	88.3338
2	19:28:27	10283.8420	7903.7464	1362.6114	108397.9500	5412.5905	678.3609	57.5002	82.5004
3	19:29:04	10331.4000	8687.0255	1447.6257	111746.7500	5427.6003	736.6992	65.8336	83.3337
4	19:29:40	10684.3450	9532.9495	1367.6122	113789.1100	5531.8355	765.8685	61.6669	82.5004
5	19:30:17	10847.0550	10068.5790	1447.6257	115603.8300	5564.3571	775.0360	70.8336	89.1671
x		10539.1630	8560.9846	1414.6202	110665.5000	5414.2597	723.6982	67.0003	85.1671
%RSD		2.247	15.954	3.197	4.232	3.126	7.039	12.549	3.877

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	19:27:50	874954.1200	36.2501	30.0001	35.0001	20.0000	72.5003	963489.8100	47.5001
2	19:28:27	909656.4500	56.2502	37.5001	56.2502	17.5000	78.7504	1003316.7000	57.5002
3	19:29:04	937074.4200	90.0005	25.0000	57.5002	25.0000	48.7501	1030850.3000	52.5002
4	19:29:40	953494.7700	96.2506	20.0000	63.7502	18.7500	65.0003	1055662.4000	65.0003
5	19:30:17	967723.3000	77.5004	17.5000	68.7503	42.5001	87.5005	1068394.7000	60.0002
x		928580.6100	71.2503	26.0000	56.2502	24.7500	70.5003	1024342.8000	56.5002
%RSD		3.978	34.846	30.859	22.933	41.709	20.851	4.116	11.955

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:27:50	1757.6853	49740.5050	88340.7770	1561954.0000	22.5000	81.2504	55.0002	42.5001
2	19:28:27	1730.1796	52122.4970	91507.1700	1639588.8000	35.0001	101.2506	50.0001	55.0002
3	19:29:04	1895.2155	53762.8690	95334.7210	1704528.1000	36.2501	117.5008	65.0003	57.5002
4	19:29:40	1995.2388	55028.5910	97469.2010	T 1804277.6000	63.7502	112.5008	70.0003	57.5002
5	19:30:17	1947.7276	55974.8620	98116.7330	T 1824679.6000	50.0001	101.2506	67.5003	60.0002
x		1865.2094	53325.8650	94153.7200	T 1707005.6000	41.5001	102.7506	61.5002	54.5002
%RSD		6.253	4.633	4.408	T 6.477	38.064	13.585	13.964	12.729

Run	Time	208Pb	209Bi	220Bkg
1	19:27:50	157.5015	953897.1500	0.0000
2	19:28:27	172.5018	1002583.3000	0.0000
3	19:29:04	130.0010	1040371.7000	0.0000
4	19:29:40	127.5010	1064300.9000	0.0000
5	19:30:17	147.5013	1072266.6000	0.0000
x		147.0013	1026683.9000	0.0000
%RSD		12.862	4.761	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:33:48	242219.8000	14.1667	15344.1140	1905.2178	2455.3617	770.0356	3590.7735	623377.8600
2	19:34:25	243669.4900	6.6667	19422.6080	2740.4505	3310.6575	852.5436	4045.9820	639242.2000
3	19:35:02	248060.3900	12.5000	23633.4650	3330.6655	3715.8283	862.5446	4773.8670	660658.4200
4	19:35:38	249222.6400	10.0000	19873.6700	2805.4722	3410.6978	737.5326	4040.9795	661620.4300
5	19:36:15	250833.2300	5.0000	18665.8820	2720.4440	3030.5510	810.0394	4048.4832	668319.6300
x		246801.1100	9.6667	19387.9470	2700.4500	3184.6192	806.5392	4100.0170	650643.7100
%RSD		1.496	39.786	15.287	18.906	14.934	6.607	10.366	2.882

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:33:48	345.0071	1347.6090	1840.2032	ID 2657.9238	1432.6231	179622.7200	1667.6669	30.0001
2	19:34:25	270.0044	1447.6257	1882.7127	ID 2757.9563	3515.7415	182808.3800	1625.1585	27.5000
3	19:35:02	270.0044	1140.0780	1867.7093	ID 2817.9764	4906.4440	185054.6500	1590.1517	37.5001
4	19:35:38	210.0027	1182.5839	1842.7037	ID 2792.9680	3303.1545	186146.0600	1615.1565	17.5000
5	19:36:15	217.5028	1087.5710	1842.7037	ID 2938.0178	2407.8478	188196.3400	1462.6283	27.5000
x		262.5043	1241.0935	1855.2065	ID 2792.9685	3113.1622	184365.6300	1592.1524	28.0000
%RSD		20.603	12.166	1.026	ID 3.631	41.683	1.783	4.875	25.568

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:33:48	60.0002	717.5309	90.0005	1927.7229	41.6668	892.5478	50.0001	40.8334
2	19:34:25	57.5002	630.0238	52.5002	2092.7627	35.8334	935.8859	36.6667	32.5001
3	19:35:02	47.5001	662.5263	67.5003	2155.2787	42.5001	888.3807	51.6668	33.3334
4	19:35:38	60.0002	607.5221	42.5001	2140.2748	33.3334	949.2207	35.0001	47.5001
5	19:36:15	72.5003	487.5143	50.0001	2060.2546	29.1667	995.8928	42.5001	38.3334
x		59.5002	621.0235	60.5002	2075.2588	36.5001	932.3856	43.1668	38.5001
%RSD		14.974	13.740	31.116	4.372	15.434	4.752	17.503	15.862

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	19:33:48	1038430.5000	157.5015	5.0000	130.0010	12.5000	32.5001	1177274.5000	10.0000
2	19:34:25	1079614.5000	222.5030	7.5000	168.7517	15.0000	31.2501	1231588.8000	20.0000
3	19:35:02	1109124.0000	278.7547	2.5000	256.2539	13.7500	28.7500	1270523.5000	10.0000
4	19:35:38	1125271.6000	207.5026	7.5000	167.5017	17.5000	43.7501	1289719.2000	7.5000
5	19:36:15	1135371.3000	183.7520	10.0000	170.0017	10.0000	46.2501	1313709.2000	30.0001
x		1097562.4000	210.0028	6.5000	178.5020	13.7500	36.5001	1256563.0000	15.5000
%RSD		3.572	21.737	43.853	26.106	20.328	21.714	4.262	60.779

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:33:48	42.5001	10.0000	20.0000	1781954.1000	13.7500	37.5001	15.0000	25.0000
2	19:34:25	35.0001	15.0000	30.0001	T 1937373.8000	26.2500	55.0002	65.0003	32.5001
3	19:35:02	70.0003	12.5000	37.5001	T 1987691.9000	21.2500	72.5003	47.5001	20.0000
4	19:35:38	52.5002	10.0000	37.5001	T 2036805.9000	28.7500	48.7501	50.0001	30.0001
5	19:36:15	52.5002	12.5000	7.5000	T 2064229.0000	20.0000	52.5002	27.5000	27.5000
x		50.5002	12.0000	26.5000	T 1961611.0000	22.0000	53.2502	41.0001	27.0000
%RSD		26.055	17.430	48.381	T 5.684	26.529	23.801	48.128	17.811

Run	Time	208Pb	209Bi	220Bkg
1	19:33:48	62.5002	1253164.7000	0.0000
2	19:34:25	110.0007	1331818.1000	0.0000
3	19:35:02	112.5008	1380278.7000	0.0000
4	19:35:38	62.5002	1412438.7000	0.0000
5	19:36:15	110.0007	1430427.3000	0.0000
x		91.5005	1361625.5000	0.0000
%RSD		28.954	5.234	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:39:46	241367.2600	569.1861	3675.8105	545.0178	610.0223	5787.0087	1025.0630	627791.4200
2	19:40:22	245714.9200	587.5207	3610.7821	505.0153	580.0202	6059.7024	882.5467	641555.2100
3	19:40:59	244023.8000	611.6891	3750.8439	455.0124	635.0242	6172.2850	1005.0606	650894.3900
4	19:41:36	246555.8800	571.6863	3720.8305	515.0159	595.0212	6169.7831	1062.5677	658120.1400
5	19:42:13	247184.9500	574.1865	3895.9105	610.0223	600.0216	6617.6265	1122.5756	660039.6500
x		244969.3600	582.8537	3730.8355	526.0168	604.0219	6161.2811	1019.5627	647680.1600
%RSD		0.954	3.021	2.849	10.847	3.383	4.861	8.700	2.050

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:39:46	312.5059	16220.7710	7548.4172	ID 2807.9730	4088.5027	177104.6800	1602.6541	3593.2745
2	19:40:22	287.5050	16478.7770	7570.9376	ID 2747.9530	4055.9868	181311.2000	1692.6719	3758.3473
3	19:40:59	287.5050	16483.7870	7708.5637	ID 2825.4789	4013.4662	181934.5700	1455.1270	3623.2875
4	19:41:36	225.0030	16654.1250	7743.5961	ID 2845.4857	4343.6317	182846.7100	1600.1536	3998.4590
5	19:42:13	240.0035	16523.8660	7921.2630	ID 2842.9849	4496.2126	183692.5100	1515.1377	3785.8598
x		270.5045	16472.2650	7698.5555	ID 2813.9751	4199.5600	181377.9300	1573.1489	3751.8456
%RSD		13.511	0.956	1.954	ID 1.417	5.000	1.408	5.789	4.291

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:39:46	975.0570	4581.2589	2242.8018	1780.1901	550.0181	1625.9919	341.6737	45.0001
2	19:40:22	940.0530	4596.2672	2357.8335	1860.2076	524.1832	1728.5126	350.8407	41.6668
3	19:40:59	947.5539	4926.4558	2200.2904	1820.1988	605.8554	1746.8497	375.8418	37.5001
4	19:41:36	987.5585	4846.4089	2342.8293	1827.7004	572.5197	1657.6649	320.0061	34.1667
5	19:42:13	1007.5609	4938.9632	2187.7871	1787.6917	572.5197	1714.3430	354.1742	42.5001
x		971.5567	4777.8708	2266.3084	1815.1977	565.0192	1694.6724	348.5073	40.1668
%RSD		2.881	3.690	3.510	1.783	5.363	3.000	5.817	10.720

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	19:39:46	1056439.8000	2771.7109	35.0001	2752.9547	611.2724	1327.6057	1191137.9000	27.5000
2	19:40:22	1082222.5000	2884.2490	45.0001	2904.2560	563.7691	1400.1176	1229925.4000	7.5000
3	19:40:59	1103588.8000	2846.7362	67.5003	2847.9866	583.7705	1400.1176	1254229.8000	15.0000
4	19:41:36	1114446.4000	3036.8032	45.0001	3034.3023	601.2717	1480.1314	1278220.6000	27.5000
5	19:42:13	1118912.1000	3046.8069	45.0001	2978.0320	667.5267	1393.8666	1284192.8000	22.5000
x		1095121.9000	2917.2612	47.5001	2903.5063	605.5221	1400.3678	1247541.3000	20.0000
%RSD		2.361	4.139	25.241	3.789	6.456	3.862	3.058	43.301

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:39:46	3135.5898	3515.7415	6432.4817	T 1871063.2000	2309.0699	5618.1432	1962.7311	1717.6770
2	19:40:22	3208.1174	3798.3655	6697.6905	T 1932760.9000	2376.5888	5523.0797	2205.2918	1637.6609
3	19:40:59	3353.1745	3905.9152	6862.8247	T 1981586.6000	2400.3456	5844.5488	2140.2748	1652.6639
4	19:41:36	3220.6222	3965.9435	6927.8785	T 2002904.4000	2386.5917	5736.9741	2190.2878	1670.1674
5	19:42:13	3498.2341	4025.9723	7135.5537	T 2020151.9000	2462.8639	6002.1608	2307.8195	1777.6896
x		3283.1476	3842.3876	6811.2858	T 1961693.4000	2387.0920	5744.9813	2161.2810	1691.1717
%RSD		4.374	5.232	3.869	T 3.076	2.305	3.273	5.858	3.368

Run	Time	208Pb	209Bi	220Bkg
1	19:39:46	3955.9387	1274487.1000	0.0000
2	19:40:22	4241.0789	1330168.1000	0.0000
3	19:40:59	4251.0840	1366385.1000	0.0000
4	19:41:36	4121.0187	1381954.0000	0.0000
5	19:42:13	4433.6791	1400322.7000	0.0000
x		4200.5599	1350663.4000	0.0000
%RSD		4.203	3.686	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:45:42	232963.9400	136348.9100	672595.1700	93304.4350	109205.9000	568908.4200	21913.7750	599629.1000
2	19:46:19	235133.6200	136859.6800	687858.7600	96834.3640	113006.0600	574851.1700	22946.5490	606876.5800
3	19:46:55	234600.5800	136461.5600	700054.2600	98377.2780	114217.4100	579446.1100	22427.6390	608459.7500
4	19:47:32	233938.1700	135964.3700	692858.5800	97967.4930	114303.5800	580372.3500	22883.8770	606256.2800
5	19:48:09	233943.3100	136482.7400	700320.2800	98215.3850	114080.5500	572858.2100	22299.7970	610675.8800
x		234115.9200	136423.4500	690737.4100	96939.7910	112962.7000	575287.2500	22494.3280	606379.5200
%RSD		0.348	0.235	1.652	2.187	1.916	0.824	1.906	0.683

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:45:42	252.5038	755859.7600	712101.0900	ID 76068.1040	921480.8600	1327211.3000	28513.6990	915013.0300
2	19:46:19	235.0033	761847.4100	717691.5000	ID 77544.1150	927984.1100	1352263.0000	29389.2320	929970.8600
3	19:46:55	230.0032	774125.2500	725585.6300	ID 79181.9080	943374.3000	1364251.7000	29329.0210	935738.5800
4	19:47:32	225.0030	763791.3400	722068.9900	ID 78689.7790	937130.2000	1367245.6000	29203.5810	933374.1700
5	19:48:09	187.5021	770506.8500	725433.1800	ID 79098.6220	940327.0300	1367664.1000	29544.7810	938784.2600
x		226.0031	765226.1200	720576.0800	ID 78116.5060	934059.3000	1355727.2000	29196.0630	930576.1800
%RSD		10.570	0.943	0.794	ID 1.688	0.973	1.263	1.372	0.997

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:45:42	209193.1600	507634.5600	244219.4100	144346.9300	129824.2800	34918.8400	14092.7400	46.6668
2	19:46:19	207875.8000	516486.9400	248369.3900	147860.2200	131371.5800	35675.3670	14375.7220	38.3334
3	19:46:55	210164.6500	514717.3200	249265.5700	148412.4100	131179.4200	35394.1720	14410.7830	54.1668
4	19:47:32	209159.8400	515915.6200	248343.6400	148188.4800	131739.8200	35395.0090	14235.4820	43.3334
5	19:48:09	208959.9100	518599.7900	250452.8800	147850.0500	131329.2500	34897.0820	14157.8500	44.1668
x		209070.6700	514670.8500	248130.1800	147331.6200	131088.8700	35256.0940	14254.5150	45.3335
%RSD		0.390	0.812	0.947	1.144	0.562	0.958	0.961	12.775

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	19:45:42	997588.8300	675162.0500	9067.4304	659899.1500	137975.3500	326899.7100	1132411.1000	15.0000
2	19:46:19	1023479.3000	695553.5500	9200.0757	679144.4500	143327.0500	338982.1000	1165387.1000	20.0000
3	19:46:55	1023634.2000	705222.7100	9933.4168	685057.7900	145463.5900	343712.5700	1189548.0000	22.5000
4	19:47:32	1029207.1000	707312.9500	9750.7012	686892.4800	146154.2700	344288.1200	1188434.7000	22.5000
5	19:48:09	1027710.7000	701756.3700	9492.9038	685259.6700	145001.9000	345454.9500	1188414.6000	32.5001
x		1020324.0000	697001.5200	9488.9056	679250.7100	143584.4300	339867.4900	1172839.1000	22.5000
%RSD		1.270	1.865	3.826	1.650	2.301	2.253	2.112	28.328

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:45:42	381724.5600	89280.7140	157593.6900	1715077.4000	548136.9900	1349542.9000	466594.3800	367062.3800
2	19:46:19	395149.0900	91941.9160	163223.0000	T 1827766.2000	578202.8000	1422219.2000	487334.8900	388371.3600
3	19:46:55	405176.2900	94669.7040	164538.5000	1823209.0000	591208.2000	1454645.8000	501361.3600	398196.6400
4	19:47:32	406498.4000	93741.8030	167096.1400	T 1878050.4000	595302.3000	1464661.4000	505556.2500	401654.2900
5	19:48:09	412264.0400	95483.9150	166588.6300	T 1895637.1000	599030.7800	1472420.9000	508823.9100	402558.9100
x		400162.4800	93023.6100	163807.9900	T 1827948.0000	582376.2100	1432698.0000	493934.1600	391568.7200
%RSD		3.001	2.658	2.325	T 3.854	3.553	3.508	3.511	3.782

Run	Time	208Pb	209Bi	220Bkg
1	19:45:42	950586.4600	1219356.8000	0.0000
2	19:46:19	1002389.4000	1276002.3000	0.0000
3	19:46:55	1022896.3000	1308211.6000	0.0000
4	19:47:32	1030762.9000	1318715.2000	2.5000
5	19:48:09	1038328.9000	1332589.3000	2.5000
x		1008992.8000	1290975.1000	1.0000
%RSD		3.498	3.497	136.931

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:51:37	233422.3400	26.6667	1430.1227	250.0038	325.0063	1130.0766	642.5248	611960.1500
2	19:52:14	239781.6200	24.1667	1550.1442	270.0044	285.0049	1105.0733	557.5187	626320.4300
3	19:52:50	242768.7600	26.6667	1680.1694	285.0049	330.0065	1002.5603	657.5259	643493.9700
4	19:53:27	247146.3300	27.5000	1550.1442	340.0069	280.0047	1225.0900	747.5335	650064.4600
5	19:54:04	248096.4400	19.1667	1635.1604	250.0038	295.0052	1220.0893	712.5305	659196.6900
x		242243.1000	24.8334	1569.1482	279.0047	303.0055	1136.5779	663.5267	638207.1400
%RSD		2.463	13.713	6.107	13.315	7.616	8.088	10.965	2.972

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:51:37	260.0041	395.0094	1647.6629	ID 2490.3721	330.0065	164232.5500	1537.6418	92.5005
2	19:52:14	232.5032	352.5075	1760.1859	ID 2827.9798	305.0056	167394.5400	1565.1470	102.5006
3	19:52:50	232.5032	437.5115	1747.6832	ID 2865.4926	297.5053	171843.7300	1547.6437	100.0006
4	19:53:27	272.5045	322.5062	1702.6739	ID 2970.5293	325.0063	174679.2800	1412.6197	107.5007
5	19:54:04	197.5023	400.0096	1872.7104	ID 2882.9986	302.5055	176675.7100	1232.5912	102.5006
x		239.0035	381.5088	1746.1833	ID 2807.4745	312.0059	170965.1600	1459.1287	101.0006
%RSD		12.145	11.710	4.775	ID 6.583	4.652	3.000	9.614	5.423

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:51:37	62.5002	517.5161	147.5013	482.5140	32.5001	801.7052	46.6668	30.8334
2	19:52:14	72.5003	505.0153	192.5022	485.0141	26.6667	825.8743	47.5001	38.3334
3	19:52:50	67.5003	470.0133	150.0014	450.0122	30.8334	880.0465	35.0001	45.0001
4	19:53:27	55.0002	495.0147	172.5018	480.0138	27.5000	854.2104	53.3335	49.1668
5	19:54:04	70.0003	470.0133	150.0014	450.0122	25.0000	860.0444	45.8335	37.5001
x		65.5003	491.5145	162.5016	469.5132	28.5000	844.3762	45.6668	40.1668
%RSD		10.591	4.310	12.065	3.810	10.823	3.640	14.564	17.690

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	19:51:37	1017760.9000	92.5005	2.5000	65.0003	13.7500	38.7501	1170817.7000	17.5000
2	19:52:14	1055057.5000	102.5006	2.5000	56.2502	17.5000	32.5001	1207328.5000	22.5000
3	19:52:50	1087415.3000	55.0002	5.0000	75.0003	13.7500	32.5001	1249314.5000	17.5000
4	19:53:27	1103350.1000	88.7505	2.5000	77.5004	13.7500	31.2501	1277357.0000	25.0000
5	19:54:04	1121611.4000	96.2506	10.0000	72.5003	13.7500	26.2500	1292380.6000	30.0001
x		1077039.1000	87.0005	4.5000	69.2503	14.5000	32.2501	1239439.7000	22.5000
%RSD		3.824	21.374	72.436	12.480	11.566	13.813	4.050	23.570

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:51:37	635.0242	22.5000	12.5000	1769012.2000	102.5006	196.2523	70.0003	107.5007
2	19:52:14	807.5391	10.0000	32.5001	1860505.1000	95.0005	275.0045	152.5014	97.5006
3	19:52:50	797.5382	12.5000	32.5001	T 1982027.5000	83.7504	266.2543	150.0014	102.5006
4	19:53:27	682.5280	12.5000	22.5000	T 2039926.4000	113.7508	261.2541	130.0010	90.0005
5	19:54:04	657.5259	15.0000	50.0001	T 2064381.7000	106.2507	263.7542	117.5008	105.0007
x		716.0311	14.5000	30.0001	T 1943170.6000	100.2506	252.5039	124.0010	100.5006
%RSD		11.287	33.164	46.398	T 6.445	11.408	12.621	26.997	6.903

Run	Time	208Pb	209Bi	220Bkg
1	19:51:37	285.0049	1257690.3000	0.0000
2	19:52:14	255.0039	1331912.9000	0.0000
3	19:52:50	222.5030	1383629.7000	2.5000
4	19:53:27	292.5051	1412718.2000	0.0000
5	19:54:04	252.5038	1435252.3000	0.0000
x		261.5041	1364240.7000	0.5000
%RSD		10.744	5.205	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	19:57:33	229710.4700	11.6667	TM 37712593.0000	TM 5255966.9000	TM 6091224.9000	11252.5920	TM 5124080.2000	567634.5500
2	19:58:12	228431.0100	17.5000	TM 38693105.0000	TM 5385860.1000	TM 6283466.9000	10964.7090	TM 5173623.8000	572300.5300
3	19:58:49	226441.1300	21.6667	TM 39197572.0000	TM 5445493.8000	TM 6337424.3000	11300.1560	TM 5271547.4000	571951.4900
4	19:59:26	229254.8500	25.8334	TM 39657688.0000	TM 5470301.5000	TM 6395626.4000	11793.3390	TM 5312858.7000	576633.1900
5	20:00:03	232752.3200	21.6667	TM 39914119.0000	TM 5534705.9000	TM 6463412.2000	11492.9200	TM 5413584.8000	580021.6500
x		229317.9600	19.6667	TM 39035015.0000	TM 5418465.6000	TM 6314230.9000	11360.7430	TM 5259139.0000	573708.2800
%RSD		1.000	27.231	TM 2.238	TM 1.944	TM 2.241	2.702	TM 2.177	0.829

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	19:57:33	915.0502	29098.2140	3030.5510	ID 81554.6260	1953051.1000	1611398.8000	117274.4300	11570.5270
2	19:58:12	937.5527	30315.0400	2935.5169	ID 83463.3860	1983075.6000	1628092.7000	107790.1400	11600.5690
3	19:58:49	827.5411	30598.5730	2983.0338	ID 85168.0030	1979260.5000	1639404.8000	103924.0000	11450.3610
4	19:59:26	797.5382	31983.7600	2970.5293	ID 84784.1180	T 1953455.6000	1662264.5000	106480.9700	11117.4110
5	20:00:03	755.0342	32054.0290	2812.9747	ID 86635.5140	2008694.8000	1673821.7000	102898.8900	11347.7210
x		846.5433	30809.9230	2946.5212	ID 84321.1290	T 1975507.5000	1642996.5000	107673.6900	11417.3180
%RSD		9.172	4.023	2.785	ID 2.272	T 1.177	1.538	5.304	1.713

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	19:57:33	9044.9060	2082.7602	1602.6541	139360.6200	6249.8428	708.3634	65.0003	44.1668
2	19:58:12	8712.0516	2042.7503	1387.6155	140456.2900	6516.7137	662.5263	102.5006	44.1668
3	19:58:49	8481.8143	2017.7442	1410.1193	141402.0800	6429.9797	692.5288	76.6670	40.0001
4	19:59:26	8659.4969	2087.7615	1430.1227	142398.8400	6512.5438	679.1943	75.0003	52.5002
5	20:00:03	8644.4813	2077.7590	1410.1193	141427.5100	6532.5595	685.8616	69.1670	52.5002
x		8708.5500	2061.7551	1448.1262	141009.0700	6448.3279	685.6949	77.6670	46.6668
%RSD		2.375	1.470	6.055	0.815	1.829	2.462	18.852	11.979

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	19:57:33	918101.6300	127.5010	15.0000	122.5009	33.7501	60.0002	1028649.1000	20.0000
2	19:58:12	931598.4800	110.0007	15.0000	126.2510	30.0001	70.0003	1053669.8000	35.0001
3	19:58:49	946386.3200	122.5009	15.0000	108.7507	33.7501	82.5004	1074752.1000	45.0001
4	19:59:26	954953.4800	126.2510	5.0000	126.2510	31.2501	63.7502	1083240.4000	37.5001
5	20:00:03	962404.4900	132.5011	12.5000	96.2506	18.7500	71.2503	1086286.3000	25.0000
x		942688.8800	123.7509	12.5000	116.0008	29.5001	69.5003	1065319.5000	32.5001
%RSD		1.898	6.851	34.641	11.363	21.102	12.370	2.266	30.769

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	19:57:33	1482.6319	19197.0860	33753.2190	1650471.2000	52.5002	125.0009	355.0076	300.0054
2	19:58:12	1665.1664	19485.2540	34589.1360	1728032.0000	66.2503	120.0009	330.0065	287.5050
3	19:58:49	1532.6409	19618.0650	35681.2260	1774097.4000	65.0003	168.7517	400.0096	330.0065
4	19:59:26	1627.6589	20257.0910	35605.9050	1792794.9000	65.0003	150.0014	382.5088	377.5086
5	20:00:03	1635.1604	20507.7030	35723.9080	T 1864720.4000	56.2502	162.5016	382.5088	327.5064
x		1588.6517	19813.0400	35070.6790	T 1762023.2000	61.0002	145.2513	370.0083	324.5064
%RSD		4.867	2.770	2.491	T 4.508	10.184	15.084	7.448	10.695

Run	Time	208Pb	209Bi	220Bkg
1	19:57:33	785.0370	1075820.1000	0.0000
2	19:58:12	790.0375	1125955.4000	0.0000
3	19:58:49	800.0384	1159513.7000	0.0000
4	19:59:26	820.0404	1182300.9000	0.0000
5	20:00:03	825.0408	1185719.3000	0.0000
x		804.0388	1145861.9000	0.0000
%RSD		2.216	4.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	20:03:31	226180.8700	17.5000	TM 63785394.0000	TM 8963039.4000	TM 10377177.0000	4553.7439	TM 8697384.5000	575562.8600
2	20:04:08	228647.6700	26.6667	TM 65231354.0000	TM 9142786.3000	TM 10600183.0000	4418.6712	TM 8951995.8000	580791.3300
3	20:04:45	229658.2300	16.6667	TM 66290080.0000	TM 9304404.6000	TM 10785052.0000	4498.7140	TM 8982685.3000	582243.8700
4	20:05:22	231750.8100	23.3334	TM 67698916.0000	TM 9377873.4000	TM 10892594.0000	4556.2452	TM 9174741.7000	591387.7900
5	20:05:58	231205.9900	19.1667	TM 68300324.0000	TM 9466478.3000	TM 11014928.0000	4756.3570	TM 9266910.2000	593957.5000
x		229488.7100	20.6667	TM 66261214.0000	TM 9250916.4000	TM 10733987.0000	4556.7462	TM 9014743.5000	584788.6700
%RSD		0.968	20.442	TM 2.764	TM 2.162	TM 2.338	2.738	TM 2.448	1.311

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	20:03:31	930.0519	28395.7970	2980.5329	ID 254301.8500	T 3272242.9000	T 4500077.8000	232323.9400	4866.4205
2	20:04:08	895.0481	28526.2410	2785.4655	ID 261019.8500	T 3319370.8000	T 4579836.8000	231080.0700	4618.7796
3	20:04:45	802.5386	27713.5060	2837.9832	ID 263256.0700	T 3306205.3000	T 4600636.8000	223851.7300	4248.5828
4	20:05:22	860.0444	28285.4230	2817.9764	ID 269036.3400	T 3378974.3000	T 4731574.0000	229998.2500	4371.1461
5	20:05:58	792.5377	28162.5070	2792.9680	ID 267242.4900	T 3391861.1000	T 4742859.9000	230918.1700	4476.2019
x		856.0441	28216.6950	2842.9852	ID 262971.3200	T 3333730.9000	T 4630997.1000	229634.4300	4516.2262
%RSD		6.889	1.105	2.802	ID 2.202	T 1.513	T 2.247	1.453	5.280

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	20:03:31	7518.3900	1082.5703	1620.1575	1082.5703	3892.5756	671.6937	65.0003	39.1668
2	20:04:08	7676.0337	1125.0759	1605.1546	1100.0726	4035.1434	705.8632	62.5002	44.1668
3	20:04:45	7708.5637	980.0576	1572.6484	1127.5763	3897.5779	670.8603	73.3337	56.6669
4	20:05:22	7223.1291	1112.5743	1512.6373	1090.0713	4154.3686	642.5248	70.8336	51.6668
5	20:05:58	7520.8923	1130.0766	1402.6180	1052.5665	4155.2024	665.0265	60.8336	46.6668
x		7529.4017	1086.0710	1542.6431	1090.5714	4026.9736	671.1937	66.5003	47.6668
%RSD		2.551	5.715	5.736	2.498	3.227	3.383	8.092	14.171

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	20:03:31	915026.9400	40.0001	7.5000	53.7502	0.0000	5.0000	1017983.3000	50.0001
2	20:04:08	943801.3300	56.2502	5.0000	43.7501	2.5000	7.5000	1052491.4000	70.0003
3	20:04:45	950988.7000	60.0002	7.5000	35.0001	1.2500	8.7500	1063668.5000	37.5001
4	20:05:22	963791.9400	60.0002	10.0000	40.0001	3.7500	8.7500	1082761.3000	55.0002
5	20:05:58	970500.0900	51.2502	7.5000	50.0001	0.0000	6.2500	1094005.0000	55.0002
x		948821.8000	53.5002	7.5000	44.5001	1.5000	7.2500	1062181.9000	53.5002
%RSD		2.276	15.621	23.570	16.924	108.653	22.480	2.779	21.818

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	20:03:31	572.5197	35625.9900	62307.0630	1652745.3000	7.5000	26.2500	40.0001	27.5000
2	20:04:08	627.5236	36788.5250	64042.6460	1706852.1000	5.0000	22.5000	57.5002	42.5001
3	20:04:45	650.0254	37712.6420	65534.1740	1743914.7000	12.5000	12.5000	20.0000	27.5000
4	20:05:22	690.0286	37368.5970	66368.2360	1771031.2000	11.2500	25.0000	15.0000	42.5001
5	20:05:58	785.0370	38280.2210	66955.4050	1800811.8000	6.2500	28.7500	35.0001	32.5001
x		665.0268	37155.1950	65041.5050	1735071.0000	8.5000	23.0000	33.5001	34.5001
%RSD		11.939	2.723	2.891	3.319	38.065	27.336	50.504	21.979

Run	Time	208Pb	209Bi	220Bkg
1	20:03:31	80.0004	1045562.6000	0.0000
2	20:04:08	90.0005	1085059.6000	0.0000
3	20:04:45	92.5005	1102239.0000	0.0000
4	20:05:22	100.0006	1133019.9000	0.0000
5	20:05:58	77.5004	1148114.1000	0.0000
x		88.0005	1102799.0000	0.0000
%RSD		10.515	3.672	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	20:09:27	236910.3900	11.6667	TM 15226932.0000	TM 2137056.8000	TM 2475144.0000	19294.8120	TM 1758496.1000	577077.4200
2	20:10:04	237604.7500	10.8333	TM 15571909.0000	TM 2181879.6000	TM 2524178.2000	19302.3290	TM 1784656.6000	584516.2200
3	20:10:40	240546.5300	5.0000	TM 15785003.0000	TM 2203738.1000	TM 2562731.7000	19871.1640	TM 1813719.7000	585938.5900
4	20:11:17	237741.9100	15.8333	TM 15905452.0000	TM 2214797.5000	TM 2578266.8000	19700.7600	TM 1828970.6000	585649.2700
5	20:11:54	239324.5900	10.8333	TM 16197948.0000	TM 2249081.5000	TM 2616535.8000	19560.4300	TM 1826405.8000	584472.0300
x		238425.6400	10.8333	TM 15737449.0000	TM 2197310.7000	TM 2551371.3000	19545.8990	TM 1802449.8000	583530.7100
%RSD		0.620	35.668	TM 2.314	TM 1.890	TM 2.115	1.285	TM 1.677	0.628

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	20:09:27	1222.5897	41945.2990	2820.4772	ID 4713.8328	24200.0880	193250.0500	29755.5290	2085.2609
2	20:10:04	1137.5776	41467.9190	2870.4943	ID 4693.8215	24272.7990	191702.4200	27793.7720	2060.2546
3	20:10:40	1107.5736	42184.0000	2935.5169	ID 4626.2838	24398.1640	191293.1700	26883.2930	1832.7015
4	20:11:17	1065.0681	42108.6200	2612.9096	ID 4893.9366	24721.6150	189909.5600	25471.3680	2012.7430
5	20:11:54	975.0570	41744.2940	2580.3994	ID 4473.7005	24694.0340	189464.6000	24761.7340	2080.2596
x		1101.5732	41890.0270	2763.9595	ID 4680.3151	24457.3400	191123.9600	26933.1390	2014.2439
%RSD		8.285	0.693	5.734	ID 3.250	0.980	0.790	7.323	5.235

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	20:09:27	2042.7503	1070.0687	705.0298	2417.8507	2547.8894	640.0246	80.0004	42.5001
2	20:10:04	2105.2659	972.5568	717.5309	2677.9302	2650.4214	676.6941	60.8336	32.5001
3	20:10:40	2182.7858	1090.0713	690.0286	2570.3964	2585.4010	665.8599	62.5002	29.1667
4	20:11:17	2022.7455	1035.0643	650.0254	2587.9018	2679.5974	658.3593	45.0001	40.8334
5	20:11:54	2007.7418	1047.5658	777.5363	2712.9415	2689.6006	631.6906	57.5002	43.3334
x		2072.2579	1043.0654	708.0302	2593.4041	2630.5820	654.5257	61.1669	37.6668
%RSD		3.479	4.286	6.556	4.431	2.340	2.824	20.540	17.022

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	20:09:27	918485.7000	47.5001	17.5000	41.2501	30.0001	63.7502	1051070.2000	55.0002
2	20:10:04	928588.7200	46.2501	10.0000	32.5001	40.0001	38.7501	1078611.2000	65.0003
3	20:10:40	942135.1700	46.2501	10.0000	28.7500	26.2500	57.5002	1099267.2000	70.0003
4	20:11:17	951910.5900	80.0004	5.0000	45.0001	20.0000	76.2503	1111183.2000	45.0001
5	20:11:54	955079.2400	60.0002	15.0000	45.0001	31.2501	76.2503	1118681.5000	87.5005
x		939239.8800	56.0002	11.5000	38.5001	29.5001	62.5002	1091762.6000	64.5003
%RSD		1.653	26.098	42.377	19.399	24.816	24.900	2.503	24.879

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	20:09:27	352.5075	36660.4620	63296.9810	1636422.5000	21.2500	28.7500	1397.6172	1242.5926
2	20:10:04	387.5090	37634.7910	66133.8840	1710225.2000	26.2500	45.0001	1337.6073	1227.5904
3	20:10:40	397.5095	38589.1410	67603.1030	1751254.2000	12.5000	50.0001	1520.1386	1215.0886
4	20:11:17	457.5126	38754.9080	67225.0630	1793920.5000	22.5000	28.7500	1460.1279	1207.5875
5	20:11:54	462.5128	39880.1980	68883.5250	1807585.5000	18.7500	45.0001	1482.6319	1292.6002
x		411.5103	38303.9000	66628.5110	1739881.6000	20.2500	39.5001	1439.6246	1237.0919
%RSD		11.508	3.176	3.160	3.984	25.226	25.376	5.024	2.728

Run	Time	208Pb	209Bi	220Bkg
1	20:09:27	2910.5082	1137557.7000	0.0000
2	20:10:04	3100.5767	1198511.4000	0.0000
3	20:10:40	3168.1021	1232508.6000	0.0000
4	20:11:17	3280.6456	1258851.3000	0.0000
5	20:11:54	3393.1907	1277856.9000	0.0000
x		3170.6047	1221057.2000	0.0000
%RSD		5.777	4.535	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	20:15:24	219083.3200	10.0000	TM 38378841.0000	TM 5327505.7000	TM 6188768.1000	18207.3690	TM 5688288.8000	554280.2900
2	20:16:01	225821.3100	11.6667	TM 40117716.0000	TM 5554482.6000	TM 6464287.4000	18941.5020	TM 5948542.6000	572779.3000
3	20:16:38	228002.8600	10.8333	TM 40993510.0000	TM 5663840.1000	TM 6577584.6000	19593.0060	TM 6059064.8000	583348.5100
4	20:17:15	230003.3900	15.0000	TM 41633959.0000	TM 5789938.4000	TM 6734796.0000	19780.9490	TM 6226211.7000	595374.7100
5	20:17:52	231133.1800	15.8333	TM 41894950.0000	TM 5820167.3000	TM 6791335.2000	20056.6070	TM 6284212.7000	600612.5200
x		226808.8100	12.6667	TM 40603795.0000	TM 5631186.8000	TM 6551354.3000	19315.8870	TM 6041264.1000	581279.0700
%RSD		2.103	20.490	TM 3.497	TM 3.553	TM 3.668	3.849	TM 3.941	3.193

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	20:15:24	775.0360	22994.1800	2625.4135	ID 296106.4100	TM 23013918.0000	T 5138380.7000	207814.3000	28721.9120
2	20:16:01	797.5382	22838.7540	2737.9497	ID 312356.2900	TM 23958734.0000	T 5339357.4000	208119.2700	28726.9290
3	20:16:38	837.5421	22339.9040	2727.9464	ID 316690.3600	TM 24447201.0000	T 5483468.0000	209218.7900	29487.0770
4	20:17:15	855.0439	22104.2770	2765.4588	ID 323304.7100	TM 24920883.0000	T 5605584.5000	213087.4800	29765.5650
5	20:17:52	807.5391	21996.4920	2752.9547	ID 327787.3300	TM 25103661.0000	T 5669461.0000	216280.6900	30558.4270
x		814.5399	22454.7220	2721.9446	ID 315249.0200	TM 24288879.0000	T 5447250.3000	210904.1000	29451.9820
%RSD		3.915	1.972	2.051	ID 3.882	TM 3.459	T 3.924	1.739	2.620

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	20:15:24	13333.1580	5782.0052	4005.9626	TM 26612654.0000	81977.9160	654.1923	306.6723	477.5137
2	20:16:01	13027.6750	6089.7243	4336.1278	TM 27483381.0000	83789.1300	691.6954	334.1734	403.3431
3	20:16:38	13566.0330	5922.1035	4198.5574	TM 27986921.0000	85748.9140	649.1920	326.6731	366.6747
4	20:17:15	13896.5770	6417.4701	4133.5249	TM 28505016.0000	86315.5530	689.1952	322.5062	405.0098
5	20:17:52	13551.0090	6590.1047	4336.1278	TM 28523755.0000	86927.7000	718.3643	346.6739	394.1760
x		13474.8900	6160.2816	4202.0601	TM 27822345.0000	84951.8430	680.5278	327.3398	409.3435
%RSD		2.382	5.479	3.347	TM 2.877	2.398	4.225	4.509	10.037

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	20:15:24	906192.8300	213.7527	2167.7819	145.0013	30907.2090	72505.3050	1013283.9000	42.5001
2	20:16:01	943619.9100	151.2514	2327.8251	155.0014	31698.9250	75660.6700	1060800.1000	35.0001
3	20:16:38	957801.7400	187.5021	2392.8435	140.0012	32406.6390	77835.5630	1087321.7000	45.0001
4	20:17:15	976095.5200	197.5023	2507.8773	191.2522	33041.6250	78660.7570	1102364.0000	45.0001
5	20:17:52	986119.0300	213.7527	2212.7937	161.2516	33554.9200	78482.8410	1110870.3000	35.0001
x		953965.8000	192.7523	2321.8243	158.5015	32321.8640	76629.0270	1074928.0000	40.5001
%RSD		3.285	13.365	5.910	12.685	3.258	3.388	3.662	12.651

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	20:15:24	281746.1800	15121.2070	26858.2120	1651652.0000	1051.3163	2524.1322	338123.2400	291151.3200
2	20:16:01	295469.3800	16381.0850	28084.7460	1732278.1000	1078.8198	2794.2184	354990.9200	305405.6500
3	20:16:38	303876.2400	16836.9920	28686.7910	1778080.0000	1123.8258	2651.6718	361854.3700	311642.8100
4	20:17:15	307962.2000	16656.6300	29472.0240	1805036.3000	1141.3282	2734.1985	365882.1400	317684.6500
5	20:17:52	310171.9300	16972.2660	29055.5650	1806516.6000	1051.3163	2740.4505	367908.5000	318834.8500
x		299845.1900	16393.6360	28431.4680	1754712.6000	1089.3213	2688.9343	357751.8300	308943.8600
%RSD		3.859	4.544	3.575	3.703	3.811	3.915	3.363	3.657

Run	Time	208Pb	209Bi	220Bkg
1	20:15:24	740686.3500	1071540.2000	0.0000
2	20:16:01	772745.5900	1119108.5000	0.0000
3	20:16:38	792393.4100	1148869.6000	0.0000
4	20:17:15	809094.5400	1160803.6000	0.0000
5	20:17:52	806832.7200	1165823.6000	0.0000
x		784350.5200	1133229.1000	0.0000
%RSD		3.619	3.438	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	20:21:32	229101.5500	7.5000	T 12287489.0000	T 1720574.6000	T 1977253.3000	4803.8842	TM 2366080.3000	572111.9700
2	20:22:08	229441.5500	1.6667	T 12616647.0000	T 1757959.6000	T 2037555.9000	5004.0020	TM 2424344.0000	577680.9000
3	20:22:45	232165.4500	4.1667	T 12819473.0000	T 1798293.7000	T 2072914.8000	4618.7796	TM 2462865.4000	585797.9500
4	20:23:22	233633.1200	3.3333	T 13006327.0000	T 1810762.6000	T 2096633.3000	4708.8300	TM 2464204.1000	582957.5200
5	20:23:58	234081.2700	5.8333	T 13076785.0000	T 1832078.9000	T 2104816.6000	4766.3627	TM 2508981.0000	590000.7100
x		231684.5900	4.5000	T 12761344.0000	T 1783933.9000	T 2057834.8000	4780.3717	TM 2445295.0000	581709.8100
%RSD		1.000	50.034	T 2.504	T 2.496	T 2.530	2.995	TM 2.187	1.201

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	20:21:32	1215.0886	19247.2020	2347.8307	ID 450359.2200	T 7304691.6000	T 7666131.6000	216960.5200	7140.5579
2	20:22:08	1275.0975	19400.0550	2317.8223	ID 462141.2300	T 7382503.8000	T 7812720.2000	219759.9600	7245.6486
3	20:22:45	1057.5671	18906.4230	2140.2748	ID 471277.1700	T 7500675.5000	T 7919981.4000	221977.5800	7538.4081
4	20:23:22	1150.0794	18635.8140	2285.3133	ID 473772.8900	T 7562070.6000	T 8013131.9000	224467.9800	7445.8249
5	20:23:58	1115.0746	18736.0390	2190.2878	ID 474243.5600	T 7581447.4000	T 8034984.8000	222678.4100	7300.6966
x		1162.5814	18985.1070	2256.3058	ID 466358.8200	T 7466277.8000	T 7889390.0000	221168.8900	7334.2272
%RSD		7.306	1.729	3.891	ID 2.184	T 1.595	T 1.934	1.309	2.163

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	20:21:32	5887.0787	3205.6164	2192.7885	TM 6088930.6000	96788.8390	692.5288	156.6681	124.1676
2	20:22:08	6097.2298	3233.1271	2240.3011	TM 6176903.2000	97942.1980	655.0257	148.3347	137.5011
3	20:22:45	6167.2813	3563.2616	2212.7937	TM 6245898.5000	98963.3220	680.8612	110.8341	115.8341
4	20:23:22	5934.6124	3428.2050	2100.2646	TM 6311087.2000	99173.2970	645.8584	145.8346	110.8341
5	20:23:58	6077.2151	3383.1866	2117.7691	TM 6293299.6000	99982.0410	650.0254	107.5007	120.8342
x		6032.6835	3362.6794	2172.7834	TM 6223223.8000	98569.9400	664.8599	133.8344	121.8342
%RSD		1.945	4.371	2.804	TM 1.467	1.251	3.100	17.113	8.299

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	20:21:32	908424.8500	101.2506	582.5204	61.2502	7407.0404	17683.7430	1036354.3000	30.0001
2	20:22:08	931729.4900	78.7504	532.5170	81.2504	7858.7038	18492.9970	1072202.9000	60.0002
3	20:22:45	941909.1300	105.0007	505.0153	66.2503	8071.4070	18743.5560	1090258.3000	27.5000
4	20:23:22	949983.1300	93.7505	617.5229	62.5002	8046.3828	19279.7770	1098747.3000	27.5000
5	20:23:58	962963.9200	92.5005	582.5204	77.5004	8095.1800	19265.9950	1110853.2000	45.0001
x		939002.1000	94.2505	564.0192	69.7503	7895.7428	18693.2130	1081683.2000	38.0001
%RSD		2.190	10.717	7.939	13.010	3.657	3.522	2.679	37.621

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	20:21:32	554403.0600	41495.5560	73515.3460	1639751.7000	3638.2941	8609.4451	152833.7500	130158.6000
2	20:22:08	566513.2200	43372.5780	76022.6920	1698974.2000	3697.0699	9082.4468	157764.3700	135883.9100
3	20:22:45	581432.5600	44948.3950	77899.9100	1742822.7000	3718.3294	9153.7747	161956.1400	139177.6000
4	20:23:22	589999.3700	44440.6830	78841.2000	1774042.3000	3982.2012	9327.7175	165137.6700	142569.2200
5	20:23:58	598083.7600	44759.8850	79522.6290	1787920.0000	3915.9198	9603.0299	167096.1400	144123.1000
x		578086.3900	43803.4200	77160.3560	1728702.2000	3790.3629	9155.2828	160957.6200	138382.4800
%RSD		3.055	3.257	3.143	3.490	3.948	3.989	3.574	4.040

Run	Time	208Pb	209Bi	220Bkg
1	20:21:32	330610.6400	1128015.6000	0.0000
2	20:22:08	344928.8100	1178600.0000	0.0000
3	20:22:45	354054.8400	1206649.9000	0.0000
4	20:23:22	360888.8200	1221132.0000	0.0000
5	20:23:58	362937.4800	1238225.3000	2.5000
x		350684.1200	1194524.6000	0.5000
%RSD		3.777	3.611	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	20:27:28	238645.5300	6.6667	T 8247679.2000	1207676.4000	T 1338911.6000	21297.1790	M 1560428.9000	584904.6000
2	20:28:05	238851.3000	8.3333	T 8440789.7000	1243270.2000	T 1369150.4000	22292.2770	M 1583013.8000	584808.1800
3	20:28:42	241392.1300	3.3333	T 8575581.5000	T 1210500.1000	T 1393722.2000	21377.3840	TM 1648511.9000	591079.5300
4	20:29:19	243201.9600	2.5000	T 8623919.7000	T 1216875.5000	T 1411401.7000	21234.5200	TM 1658020.3000	592355.5300
5	20:29:56	242652.1100	5.8333	T 8690236.0000	1267865.6000	T 1415033.8000	21901.2420	TM 1660922.8000	588538.8200
x		240948.6000	5.3333	T 8515641.2000	T 1229237.6000	T 1385643.9000	21620.5210	TM 1622179.5000	588337.3300
%RSD		0.877	45.015	T 2.061	T 2.097	T 2.296	2.123	TM 2.896	0.588

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	20:27:28	522.5164	24147.4350	3258.1368	ID 3538.2510	251619.7500	182251.3800	27781.2310	1560.1460
2	20:28:05	412.5102	24689.0190	3390.6897	ID 3268.1407	252678.5800	179783.6300	25162.9330	1490.1332
3	20:28:42	585.0205	25654.4280	3270.6417	ID 3490.7310	255724.4000	176660.3900	24267.7840	1432.6231
4	20:29:19	472.5134	26858.2120	3468.2216	ID 3378.1846	256296.5900	175794.8800	24403.1790	1440.1244
5	20:29:56	490.0144	27339.7740	3403.1948	ID 3850.8896	256152.2500	172777.7500	22595.5920	1340.1077
x		496.5150	25737.7740	3358.1769	ID 3505.2394	254494.3100	177453.6100	24842.1440	1452.6269
%RSD		12.811	5.305	2.699	ID 6.269	0.858	2.065	7.614	5.570

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	20:27:28	2307.8195	6655.1564	3188.1097	273544.6000	1651.8304	823.3740	115.8341	49.1668
2	20:28:05	2255.3051	6685.1804	3200.6145	275983.0600	1637.6609	897.5483	113.3341	48.3335
3	20:28:42	2212.7937	6682.6784	3240.6300	277034.6000	1767.6875	810.8728	111.6674	50.8335
4	20:29:19	2062.7553	6485.0223	3083.0702	280156.4100	1756.8518	850.0434	123.3343	51.6668
5	20:29:56	2162.7806	6710.2005	3075.5674	281265.3400	1780.1901	800.0384	101.6673	38.3334
x		2200.2909	6643.6476	3157.5984	277596.8000	1718.8441	836.3754	113.1674	47.6668
%RSD		4.255	1.367	2.346	1.130	3.975	4.657	6.916	11.289

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	20:27:28	944839.7100	116.2508	192.5022	91.2505	2250.3038	5317.9463	1062494.4000	37.5001
2	20:28:05	968954.8300	130.0010	152.5014	116.2508	2302.8181	5292.9304	1092707.7000	37.5001
3	20:28:42	969525.8800	108.7507	152.5014	117.5008	2319.0726	5589.3738	1105564.3000	50.0001
4	20:29:19	975560.4700	143.7512	177.5019	111.2507	2309.0699	5516.8255	1115746.9000	22.5000
5	20:29:56	986766.9200	121.2509	170.0017	107.5007	2369.0867	5570.6113	1124254.6000	47.5001
x		969129.5600	124.0009	169.0017	108.7507	2310.0702	5457.5375	1100153.6000	39.0001
%RSD		1.584	10.867	10.120	9.719	1.835	2.596	2.192	27.794

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	20:27:28	8021.3587	25378.5860	42849.8840	1663359.1000	225.0030	488.7643	2352.8321	2085.2609
2	20:28:05	8254.0858	25702.0750	44837.8020	1735486.9000	226.2531	482.5140	2560.3933	2185.2865
3	20:28:42	8546.8807	26369.1540	45994.0780	T 1834753.4000	193.7523	493.7646	2757.9563	2292.8154
4	20:29:19	8599.4347	26815.5750	46738.2010	T 1867077.8000	215.0028	540.0175	2825.4789	2262.8072
5	20:29:56	8424.2559	26913.3900	47052.4620	1832909.3000	236.2534	555.0185	2635.4167	2522.8818
x		8369.2032	26235.7560	45494.4850	T 1786717.3000	219.2529	512.0158	2626.4155	2269.8103
%RSD		2.814	2.580	3.751	T 4.744	7.352	6.461	7.026	7.166

Run	Time	208Pb	209Bi	220Bkg
1	20:27:28	5371.7308	1114382.3000	0.0000
2	20:28:05	5549.3471	1167453.6000	0.0000
3	20:28:42	5814.5278	1208195.4000	0.0000
4	20:29:19	6069.7097	1226769.5000	0.0000
5	20:29:56	6129.7536	1247610.3000	0.0000
x		5787.0138	1192882.2000	0.0000
%RSD		5.646	4.433	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	20:33:26	240050.8700	6.6667	T 6603761.5000	948016.9900	1108106.0000	11455.3680	TM 1593013.1000	576745.5800
2	20:34:03	241890.4400	6.6667	T 6693762.2000	970704.4700	1122853.1000	11089.8740	TM 1611654.5000	578562.7900
3	20:34:40	240957.3100	5.0000	T 6726964.5000	978093.1500	1136826.0000	11032.2980	TM 1616196.0000	579147.6400
4	20:35:16	239499.5100	10.0000	T 6801234.3000	990812.3500	1134207.6000	11092.3780	TM 1631196.7000	581388.3800
5	20:35:53	242453.9600	5.8333	T 6842544.3000	991850.6600	1138035.6000	11205.0280	TM 1638403.0000	584824.2500
x		240970.4200	6.8333	T 6733653.4000	975895.5300	1128005.7000	11174.9890	TM 1618092.7000	580133.7300
%RSD		0.511	27.809	T 1.388	1.837	1.121	1.510	TM 1.096	0.535

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	20:33:26	495.0147	24576.1860	3103.0776	ID 3060.5619	100927.5000	166545.2700	26058.1780	1575.1489
2	20:34:03	485.0141	25193.0240	3073.0665	ID 3068.0647	101286.8200	166297.9100	25165.4410	1412.6197
3	20:34:40	437.5115	24756.7190	3073.0665	ID 3145.5936	101810.6500	162279.8500	22888.8910	1440.1244
4	20:35:16	462.5128	25619.3210	3265.6397	ID 3220.6222	102726.7900	162700.4300	23049.3320	1410.1193
5	20:35:53	400.0096	26055.6700	3203.1155	ID 3173.1040	103060.8800	160722.6000	23570.7880	1467.6292
x		456.0126	25240.1840	3143.5932	ID 3133.5893	101962.5300	163709.2100	24146.5260	1461.1283
%RSD		8.410	2.415	2.756	ID 2.194	0.896	1.579	5.787	4.647

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	20:33:26	2187.7871	4818.8929	2500.3751	492044.9300	1478.4645	875.0459	165.0016	43.3334
2	20:34:03	2360.3342	4801.3828	2555.3917	498377.6200	1465.9623	902.5489	185.8354	45.8335
3	20:34:40	2222.7964	4681.3145	2535.3856	504688.4500	1583.4838	869.2120	170.0017	47.5001
4	20:35:16	2317.8223	5134.0810	2590.4025	502178.4200	1496.8011	838.3755	125.0009	52.5002
5	20:35:53	2127.7716	5054.0321	2662.9254	503428.0400	1563.4800	865.8783	145.0013	40.0001
x		2243.3023	4897.9407	2568.8961	500143.4900	1517.6383	870.2121	158.1682	45.8335
%RSD		4.235	3.855	2.408	1.021	3.467	2.635	14.913	10.205

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	20:33:26	940547.4500	33.7501	265.0042	25.0000	3355.6755	7864.9597	1078991.0000	40.0001
2	20:34:03	955599.0800	45.0001	250.0038	30.0001	3369.4310	8191.5241	1098122.4000	17.5000
3	20:34:40	966822.1500	41.2501	210.0027	40.0001	3390.6897	8065.1509	1109661.5000	12.5000
4	20:35:16	962949.9300	33.7501	227.5031	26.2500	3281.8961	8101.4361	1123431.3000	30.0001
5	20:35:53	967127.1900	58.7502	220.0029	46.2501	3381.9361	8307.8892	1126399.9000	42.5001
x		958609.1600	42.5001	234.5033	33.5001	3355.9257	8106.1920	1107321.2000	28.5001
%RSD		1.159	24.254	9.607	27.597	1.294	2.026	1.758	46.665

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	20:33:26	10724.3960	15031.0440	25574.1820	1701287.7000	227.5031	553.7684	5291.6796	4636.2894
2	20:34:03	11573.0310	14968.4310	26502.0750	1751354.9000	267.5043	601.2717	5494.3107	5094.0565
3	20:34:40	11385.2720	15459.3260	26311.4720	1776993.1000	235.0033	591.2710	5561.8554	4896.4381
4	20:35:16	11164.9740	15354.1320	26863.2280	1795963.4000	232.5032	588.7708	5431.7697	4823.8958
5	20:35:53	11638.1210	15531.9610	27151.6610	1807084.8000	220.0029	608.7722	5694.4449	4851.4118
x		11297.1590	15268.9790	26480.5240	1766536.8000	236.5034	588.7708	5494.8121	4860.4183
%RSD		3.269	1.668	2.272	2.386	7.718	3.591	2.724	3.373

Run	Time	208Pb	209Bi	220Bkg
1	20:33:26	11530.4720	1180725.5000	0.0000
2	20:34:03	11873.4530	1219518.1000	0.0000
3	20:34:40	11720.7370	1234952.6000	0.0000
4	20:35:16	12324.1060	1253232.6000	0.0000
5	20:35:53	12133.8270	1262861.9000	2.5000
x		11916.5190	1230258.1000	0.5000
%RSD		2.662	2.628	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	20:39:24	233112.1700	5.8333	T 6343365.3000	916329.0300	1058291.7000	11039.8080	M 1490379.4000	555269.2300
2	20:40:01	237999.1000	13.3333	T 6507525.7000	947519.9400	1096057.8000	11124.9210	TM 1571406.6000	565684.6700
3	20:40:38	239442.9200	5.0000	T 6636126.5000	968005.9800	1121440.5000	11432.8370	TM 1590223.2000	574495.3500
4	20:41:14	239048.5000	7.5000	T 6575318.2000	955654.9800	1116031.5000	11515.4510	M 1553805.4000	567212.1900
5	20:41:51	237356.1500	5.0000	T 6674660.5000	970290.1200	1116173.8000	11345.2180	TM 1603234.6000	572731.1500
x		237391.7700	7.3333	T 6547399.3000	951560.0100	1101599.1000	11291.6470	TM 1561809.8000	567078.5200
%RSD		1.066	47.808	T 1.992	2.288	2.367	1.794	TM 2.824	1.332

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	20:39:24	505.0153	24811.8830	3195.6126	ID 2840.4840	98900.9210	161130.3600	26311.4720	1637.6609
2	20:40:01	472.5134	25759.7520	3295.6516	ID 3093.0739	101838.4900	160207.8300	25636.8740	1590.1517
3	20:40:38	410.0101	26334.0430	3140.5917	ID 3105.5786	102367.4100	161239.9500	23382.7590	1515.1377
4	20:41:14	395.0094	25992.9750	3218.1213	ID 3270.6417	100902.2000	159634.4800	23152.1170	1507.6364
5	20:41:51	400.0096	26364.1380	3118.0832	ID 2975.5311	102954.5700	158582.1800	23041.8120	1560.1460
x		436.5116	25852.5580	3193.6121	ID 3057.0619	101392.7200	160158.9600	24305.0070	1562.1465
%RSD		11.308	2.450	2.188	ID 5.245	1.562	0.689	6.366	3.458

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	20:39:24	2362.8349	4496.2126	2630.4151	479025.7900	1522.6391	805.0389	165.8350	49.1668
2	20:40:01	2300.3174	4778.8699	2697.9367	491541.4800	1551.8111	819.2069	165.8350	51.6668
3	20:40:38	2157.7793	4746.3513	2567.8956	496683.3200	1553.4781	907.5494	155.0014	35.8334
4	20:41:14	2257.8058	4648.7963	2507.8773	498823.1300	1584.3173	814.2064	145.8346	52.5002
5	20:41:51	2367.8364	4758.8584	2537.8864	497375.3200	1520.9721	823.3740	158.3348	58.3335
x		2289.3148	4685.8177	2588.4022	492689.8100	1546.6435	833.8751	158.1682	49.5001
%RSD		3.782	2.502	2.944	1.647	1.688	5.007	5.287	16.860

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	20:39:24	906067.7600	53.7502	227.5031	33.7501	3269.3912	7504.6276	1030004.7000	12.5000
2	20:40:01	925089.7800	63.7502	217.5028	26.2500	3234.3776	7761.1124	1070217.9000	60.0002
3	20:40:38	945177.4800	77.5004	187.5021	75.0003	3315.6595	7907.4999	1083421.9000	32.5001
4	20:41:14	948812.8900	81.2504	217.5028	63.7502	3349.4230	7976.3155	1091509.9000	50.0001
5	20:41:51	945537.6000	55.0002	202.5025	41.2501	3373.1826	8100.1849	1090326.4000	37.5001
x		934137.1000	66.2503	210.5027	48.0002	3308.4068	7849.9481	1073096.2000	38.5001
%RSD		1.957	19.102	7.436	42.933	1.719	2.912	2.379	46.960

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	20:39:24	10233.7800	13884.0560	24543.5900	1624623.2000	220.0029	540.0175	5526.8321	4573.7548
2	20:40:01	10699.3640	14825.6760	25661.9510	1690238.7000	243.7536	590.0209	5436.7729	4751.3541
3	20:40:38	10899.6230	14510.1220	25762.2600	1726585.6000	252.5038	556.2686	5466.7926	4816.3915
4	20:41:14	11147.4510	14898.3060	26035.6080	T 1805040.8000	230.0032	616.2728	5794.5139	4833.9016
5	20:41:51	11017.2780	14883.2790	26083.2560	1745177.7000	235.0033	587.5207	5721.9638	5014.0080
x		10799.4990	14600.2880	25617.3330	T 1718333.2000	236.2534	578.0201	5589.3751	4797.8820
%RSD		3.302	2.948	2.444	T 3.891	5.291	5.201	2.855	3.308

Run	Time	208Pb	209Bi	220Bkg
1	20:39:24	11608.0790	1130890.1000	0.0000
2	20:40:01	11670.6670	1179832.5000	0.0000
3	20:40:38	12213.9440	1207429.1000	0.0000
4	20:41:14	12259.0100	1221869.3000	0.0000
5	20:41:51	12254.0030	1223969.1000	2.5000
x		12001.1410	1192798.0000	0.5000
%RSD		2.762	3.255	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	20:45:23	238236.5800	9.1667	T 8270614.5000	1210189.9000	T 1341865.4000	24410.7010	TM 1864626.9000	567156.0600
2	20:46:00	240449.6300	14.1667	T 8443279.3000	1234008.1000	T 1378471.5000	24596.2450	TM 1897956.2000	573589.8000
3	20:46:37	241896.4400	10.0000	T 8595586.5000	1259081.2000	T 1395428.9000	25117.7970	TM 1927482.2000	579462.1700
4	20:47:13	242507.1400	6.6667	T 8695435.5000	1266238.9000	T 1411708.0000	24721.6150	TM 1959985.8000	585315.7700
5	20:47:50	243459.3100	5.0000	T 8800197.7000	1285877.9000	T 1428577.8000	25406.1690	TM 1959372.7000	582808.8900
x		241309.8200	9.0000	T 8561022.7000	1251079.2000	T 1391210.3000	24850.5060	TM 1921884.8000	577666.5400
%RSD		0.844	38.955	T 2.441	2.354	T 2.392	1.628	TM 2.136	1.270

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	20:45:23	440.0116	26316.4880	3388.1886	ID 3533.2489	246657.1500	175138.7800	33534.8400	1665.1664
2	20:46:00	487.5143	26166.0150	3410.6978	ID 3350.6735	247766.8500	173050.8300	29524.7100	1692.6719
3	20:46:37	387.5090	26527.1540	3385.6876	ID 3403.1948	249834.7300	172262.2400	29231.1780	1602.6541
4	20:47:13	455.0124	27236.9380	3440.7102	ID 3503.2362	252992.9000	174595.0400	28942.6740	1615.1565
5	20:47:50	402.5097	27344.7910	3435.7081	ID 3455.7164	254227.1200	171614.0700	28102.3050	1495.1341
x		434.5114	26718.2770	3412.1985	ID 3449.2139	250295.7500	173332.1900	29867.1410	1614.1566
%RSD		9.273	2.019	0.754	ID 2.143	1.303	0.867	7.091	4.704

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	20:45:23	2570.3964	3375.6836	2037.7491	546148.8700	1437.6240	648.3586	86.6671	50.0001
2	20:46:00	2610.4088	3388.1886	1925.2224	552825.7800	1476.7975	700.0294	80.8337	55.0002
3	20:46:37	2522.8818	3620.7864	1857.7070	561447.0000	1534.3079	674.1939	90.0005	53.3335
4	20:47:13	2617.9111	3575.7670	2052.7528	563931.6400	1500.1350	656.6925	85.8338	50.8335
5	20:47:50	2500.3751	3538.2510	1875.2110	567240.2600	1547.6437	645.0250	85.8338	58.3335
x		2564.3946	3499.7353	1949.7285	558318.7100	1499.3016	664.8599	85.8338	53.5002
%RSD		2.030	3.187	4.657	1.549	2.959	3.410	3.822	6.269

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	20:45:23	918190.6900	47.5001	267.5043	53.7502	4356.1383	10194.9820	1036235.9000	22.5000
2	20:46:00	940109.4100	66.2503	352.5075	42.5001	4529.9809	10685.5970	1069161.9000	37.5001
3	20:46:37	947807.5600	61.2502	305.0056	38.7501	4509.9701	10600.4880	1080921.3000	32.5001
4	20:47:13	961092.7700	70.0003	342.5070	82.5004	4625.0331	10904.6300	1094782.9000	35.0001
5	20:47:50	969559.4700	87.5005	275.0045	72.5003	4660.0526	11012.2710	1107179.1000	27.5000
x		947351.9800	66.5003	308.5058	58.0002	4536.2350	10679.5940	1077656.2000	31.0001
%RSD		2.101	21.816	12.457	32.706	2.617	2.970	2.526	19.422

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	20:45:23	10604.2430	34436.0040	60206.7080	1626345.8000	738.7828	1797.6939	275.0045	332.5066
2	20:46:00	10761.9450	35186.6290	61949.4110	1686888.1000	786.2871	1938.9756	332.5066	317.5061
3	20:46:37	11032.2980	35733.9510	63067.7530	1717148.5000	855.0439	1957.7299	337.5068	285.0049
4	20:47:13	11159.9680	36532.4020	64322.2870	1755333.9000	857.5441	2060.2546	367.5081	335.0067
5	20:47:50	11300.1560	36856.3230	64123.2620	T 1833447.6000	846.2930	2126.5213	370.0082	277.5046
x		10971.7220	35749.0620	62733.8840	T 1723832.8000	816.7902	1976.2351	336.5069	309.5058
%RSD		2.602	2.755	2.711	T 4.486	6.423	6.363	11.397	8.651

Run	Time	208Pb	209Bi	220Bkg
1	20:45:23	830.0413	1105850.0000	0.0000
2	20:46:00	765.0351	1146607.5000	0.0000
3	20:46:37	865.0449	1177092.6000	0.0000
4	20:47:13	702.5296	1198308.9000	2.5000
5	20:47:50	790.0375	1211480.0000	0.0000
x		790.5377	1167867.8000	0.5000
%RSD		7.876	3.636	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	20:51:22	234273.2200	7.5000	4386.1540	645.0250	780.0365	1012.5615	1090.0713	574952.8400
2	20:51:59	237878.2200	10.0000	6052.1969	990.0588	1015.0618	1090.0713	1517.6382	587544.7200
3	20:52:35	240256.6800	8.3333	6247.3409	860.0444	1050.0662	1037.5646	1422.6214	591866.2900
4	20:53:12	240105.7600	9.1667	5141.5857	760.0347	990.0588	1042.5652	1242.5926	597046.9800
5	20:53:49	243020.1000	10.0000	5126.5764	835.0418	810.0394	1167.5818	1215.0886	598959.6900
x		239106.8000	9.0000	5390.7708	818.0409	929.0525	1070.0689	1297.6024	590074.1000
%RSD		1.363	12.073	14.104	15.576	13.415	5.728	13.177	1.621

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	20:51:22	272.5045	1415.1201	1592.6522	ID 2765.4588	430.0111	152917.7700	1397.6172	10.0000
2	20:51:59	265.0042	1362.6114	1427.6223	ID 2953.0231	477.5137	153595.0600	1300.1014	12.5000
3	20:52:35	242.5035	1305.1022	1717.6770	ID 2968.0285	550.0181	155746.9500	1310.1030	17.5000
4	20:53:12	212.5027	1172.5825	1447.6257	ID 2925.5134	455.0124	154924.3300	1295.1006	30.0001
5	20:53:49	197.5023	1122.5756	1502.6355	ID 2930.5152	402.5097	156508.5200	1330.1061	17.5000
x		238.0035	1275.5984	1537.6425	ID 2908.5078	463.0130	154738.5300	1326.6057	17.5000
%RSD		13.664	9.755	7.755	ID 2.812	12.119	0.959	3.158	44.032

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	20:51:22	52.5002	85.0004	42.5001	310.0058	31.6667	675.8607	41.6668	38.3334
2	20:51:59	30.0001	117.5008	32.5001	430.0111	29.1667	663.3597	56.6669	31.6667
3	20:52:35	22.5000	87.5005	32.5001	472.5134	37.5001	682.5280	48.3335	53.3335
4	20:53:12	50.0001	105.0007	45.0001	415.0103	25.0000	681.6946	55.8335	31.6667
5	20:53:49	42.5001	107.5007	27.5000	310.0058	24.1667	720.0311	51.6668	35.8334
x		39.5001	100.5006	36.0001	387.5093	29.5001	684.6948	50.8335	38.1668
%RSD		32.704	13.783	20.601	19.052	18.372	3.094	12.047	23.435

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	20:51:22	948505.6900	111.2507	10.0000	93.7505	2.5000	6.2500	1081488.3000	22.5000
2	20:51:59	968655.3300	148.7513	0.0000	135.0011	2.5000	7.5000	1122380.4000	10.0000
3	20:52:35	990924.6000	171.2518	5.0000	151.2514	0.0000	7.5000	1142307.7000	5.0000
4	20:53:12	1000049.2000	133.7511	5.0000	115.0008	2.5000	3.7500	1143406.7000	5.0000
5	20:53:49	1003870.3000	110.0007	7.5000	105.0007	5.0000	5.0000	1161744.8000	15.0000
x		982401.0200	135.0011	5.5000	120.0009	2.5000	6.0000	1130265.6000	11.5000
%RSD		2.378	19.223	67.420	19.278	70.711	27.163	2.709	64.489

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	20:51:22	35.0001	2.5000	0.0000	1667230.5000	17.5000	26.2500	45.0001	40.0001
2	20:51:59	42.5001	25.0000	25.0000	1728083.8000	13.7500	41.2501	52.5002	30.0001
3	20:52:35	35.0001	17.5000	20.0000	1770639.6000	10.0000	40.0001	62.5002	55.0002
4	20:53:12	32.5001	5.0000	7.5000	T 1856749.6000	17.5000	45.0001	47.5001	35.0001
5	20:53:49	42.5001	12.5000	7.5000	T 1869045.0000	22.5000	56.2502	50.0001	47.5001
x		37.5001	12.5000	12.0000	T 1778349.7000	16.2500	41.7501	51.5002	41.5001
%RSD		12.472	73.485	85.137	T 4.813	28.782	25.808	13.116	23.945

Run	Time	208Pb	209Bi	220Bkg
1	20:51:22	82.5004	1194620.0000	0.0000
2	20:51:59	125.0009	1252856.9000	0.0000
3	20:52:35	100.0006	1281013.4000	0.0000
4	20:53:12	115.0008	1296445.4000	0.0000
5	20:53:49	127.5010	1307419.3000	0.0000
x		110.0007	1266471.0000	0.0000
%RSD		17.083	3.561	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	20:57:19	229570.8700	131110.8500	636746.5700	90716.0920	104192.3200	526585.4700	20254.5850	558033.7900
2	20:57:56	227925.7900	130791.7300	648363.0200	91979.8310	105858.1100	532049.1500	20938.7730	566263.3100
3	20:58:32	227194.5600	130581.8100	656224.0100	93380.2780	108907.0200	529485.8700	20510.2090	562562.3200
4	20:59:10	230502.7400	130307.5700	657698.7400	92899.9540	107255.8200	530816.6600	21302.1920	565982.6700
5	20:59:47	231620.6000	130678.3000	661108.3300	93081.9680	108643.6200	531221.2600	21267.1030	565291.8100
x		229362.9100	130694.0500	652028.1400	92411.6240	106971.3800	530031.6800	20854.5720	563626.7800
%RSD		0.792	0.225	1.493	1.171	1.845	0.403	2.218	0.613

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	20:57:19	270.0044	697655.0400	658573.9800	ID 71608.8530	853653.0500	1222969.5000	26645.0290	853954.1800
2	20:57:56	182.5020	707014.1200	666565.9300	ID 72456.1300	864162.9600	1247457.2000	26845.6720	864409.1400
3	20:58:32	192.5022	703790.1100	664205.6800	ID 73936.5480	869417.1100	1256013.4000	27194.3000	866290.2500
4	20:59:10	195.0023	702714.8000	668529.2300	ID 73048.7700	871877.8800	1268789.1000	27337.2660	865944.4300
5	20:59:47	175.0018	710073.5600	670641.7600	ID 74085.3610	875447.0800	1263032.6000	27432.5790	863316.6200
x		203.0025	704249.5300	665703.3200	ID 73027.1330	866911.6200	1251652.3000	27090.9690	862782.9200
%RSD		18.867	0.665	0.697	ID 1.417	0.977	1.431	1.234	0.589

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	20:57:19	191927.5100	469009.4500	226337.5400	131522.2600	117707.9800	30740.7620	12616.2100	44.1668
2	20:57:56	193457.2800	473333.9700	228685.3500	133490.6900	118390.0400	31286.9560	12694.6620	52.5002
3	20:58:32	192242.1400	473053.7100	231005.5400	134659.2700	119278.4100	31006.7450	12521.9010	51.6668
4	20:59:10	193237.2600	478676.5500	230419.6500	133297.6400	119198.1000	31293.6470	12944.2120	51.6668
5	20:59:47	193700.3300	477245.3700	231113.4700	135075.9300	118920.8500	31233.4220	12787.3030	41.6668
x		192912.9000	474263.8100	229512.3100	133609.1600	118699.0800	31112.3060	12712.8580	48.3335
%RSD		0.405	0.805	0.882	1.040	0.551	0.766	1.276	10.416

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	20:57:19	923725.1200	631427.5800	8674.5125	615863.8400	128081.7900	305803.6000	1065918.1000	20.0000
2	20:57:56	945367.3100	643348.3500	8554.3884	628157.5300	131165.4500	313828.8500	1088249.4000	37.5001
3	20:58:32	949927.2600	650623.1300	8894.7445	637510.5500	133706.6100	317796.2900	1104128.8000	22.5000
4	20:59:10	955288.8500	652567.9800	8589.4244	640854.2300	134181.6600	318593.3700	1104106.1000	12.5000
5	20:59:47	964259.1300	654578.0700	8929.7819	642941.1500	134660.5400	320176.0800	1114671.2000	27.5000
x		947713.5400	646509.0200	8728.5703	633065.4600	132359.2100	315239.6400	1095414.7000	24.0000
%RSD		1.598	1.460	1.990	1.762	2.074	1.830	1.734	38.696

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	20:57:19	357893.7100	83551.7650	147066.3600	1635120.1000	533984.7600	1309133.5000	454122.9500	361475.9700
2	20:57:56	369039.3900	85519.0710	150725.8800	T 1740510.9000	557591.8800	1366096.8000	468496.7900	372391.1600
3	20:58:32	374826.8000	87517.1550	153449.9200	1715956.3000	566013.4100	1392058.2000	479099.8700	381415.9000
4	20:59:10	377312.8000	87686.4200	153640.8900	1731336.8000	571086.3300	1404144.0000	484673.7300	384678.3400
5	20:59:47	380884.9200	89144.2650	155571.2100	1751761.0000	576581.0100	1415551.5000	490486.9900	390518.2800
x		371991.5200	86683.7350	152090.8500	T 1714937.0000	561051.4800	1377396.8000	475376.0700	378095.9300
%RSD		2.415	2.509	2.168	T 2.712	2.971	3.075	3.026	3.008

Run	Time	208Pb	209Bi	220Bkg
1	20:57:19	920239.2500	1177041.0000	0.0000
2	20:57:56	960726.4100	1233398.1000	0.0000
3	20:58:32	979878.2300	1249632.3000	0.0000
4	20:59:10	992723.5000	1266991.4000	0.0000
5	20:59:47	1004629.1000	1277790.2000	0.0000
x		971639.2900	1240970.6000	0.0000
%RSD		3.399	3.186	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	21:03:15	228052.5200	40.8334	1955.2293	335.0067	325.0063	895.0481	750.0338	554298.9700
2	21:03:52	230262.9100	42.5001	2135.2735	290.0051	345.0071	825.0408	705.0298	566670.9100
3	21:04:29	230577.2600	30.8334	2115.2684	330.0065	380.0087	885.0470	715.0307	575149.4900
4	21:05:05	234383.7700	42.5001	2425.3529	330.0065	460.0127	875.0459	697.5292	583913.6000
5	21:05:42	234681.9900	41.6668	1985.2364	300.0054	405.0098	950.0542	737.5326	579035.2200
x		231591.6900	39.6668	2123.2721	317.0061	383.0089	886.0472	721.0312	571813.6400
%RSD		1.234	12.570	8.772	6.465	13.835	5.054	3.068	2.037

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	21:03:15	222.5030	620.0231	1495.1341	ID 2837.9832	455.0124	137858.4400	1310.1030	240.0035
2	21:03:52	242.5035	542.5177	1462.6283	ID 2837.9832	455.0124	141038.5000	1307.6026	205.0025
3	21:04:29	225.0030	677.5275	1520.1386	ID 2835.4823	432.5112	143039.6700	1370.1126	230.0032
4	21:05:05	207.5026	585.0205	1597.6531	ID 2822.9781	477.5137	145524.6500	1362.6114	227.5031
5	21:05:42	180.0019	572.5197	1562.6465	ID 3063.0628	425.0108	146053.7800	1362.6114	195.0023
x		215.5028	599.5217	1527.6401	ID 2879.4979	449.0121	142703.0100	1342.6082	219.5029
%RSD		10.864	8.625	3.505	ID 3.570	4.635	2.365	2.307	8.538

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	21:03:15	70.0003	285.0049	137.5011	170.0017	49.1668	649.1920	47.5001	35.8334
2	21:03:52	55.0002	307.5057	112.5008	225.0030	49.1668	610.0223	39.1668	45.0001
3	21:04:29	85.0004	355.0076	127.5010	250.0038	40.8334	670.0269	44.1668	40.0001
4	21:05:05	67.5003	270.0044	115.0008	220.0029	47.5001	645.0250	40.8334	41.6668
5	21:05:42	72.5003	280.0047	117.5008	177.5019	42.5001	640.8580	45.8335	43.3334
x		70.0003	299.5054	122.0009	208.5027	45.8335	643.0248	43.5001	41.1668
%RSD		15.361	11.329	8.499	16.212	8.528	3.358	7.945	8.541

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	21:03:15	919084.0900	103.7507	10.0000	117.5008	21.2500	67.5003	1056225.0000	12.5000
2	21:03:52	946810.7200	125.0009	10.0000	105.0007	33.7501	60.0002	1092463.6000	7.5000
3	21:04:29	968308.2600	130.0010	7.5000	91.2505	33.7501	92.5005	1114713.9000	7.5000
4	21:05:05	976913.5700	132.5011	15.0000	111.2507	32.5001	77.5004	1130301.5000	15.0000
5	21:05:42	989844.3100	137.5011	5.0000	121.2509	21.2500	76.2503	1140612.3000	12.5000
x		960192.1900	125.7510	9.5000	109.2507	28.5001	74.7503	1106863.2000	11.0000
%RSD		2.896	10.416	39.033	10.812	23.291	16.316	3.038	30.492

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	21:03:15	690.0286	12.5000	27.5000	1611311.6000	140.0012	275.0045	142.5012	120.0009
2	21:03:52	765.0351	37.5001	47.5001	1685020.7000	135.0011	338.7569	155.0014	142.5012
3	21:04:29	740.0329	20.0000	42.5001	1731824.2000	153.7514	398.7595	167.5017	110.0007
4	21:05:05	637.5244	22.5000	52.5002	1771328.0000	192.5022	408.7600	182.5020	162.5016
5	21:05:42	647.5252	32.5001	35.0001	1773105.8000	158.7515	380.0087	165.0016	127.5010
x		696.0292	25.0000	41.0001	1714518.1000	156.0015	360.2579	162.5016	132.5011
%RSD		8.035	40.000	24.237	3.965	14.483	15.175	9.167	15.502

Run	Time	208Pb	209Bi	220Bkg
1	21:03:15	355.0076	1169085.4000	0.0000
2	21:03:52	312.5059	1215918.3000	0.0000
3	21:04:29	322.5062	1256390.6000	0.0000
4	21:05:05	335.0067	1278778.5000	0.0000
5	21:05:42	342.5070	1288539.7000	0.0000
x		333.5067	1241742.5000	0.0000
%RSD		4.989	3.970	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	21:09:12	222553.4800	10.0000	TM 18809115.0000	TM 2602330.1000	TM 3032177.8000	9758.2100	TM 2787063.0000	531880.1100
2	21:09:48	222903.4800	13.3333	TM 19469899.0000	TM 2710776.8000	TM 3137948.1000	9875.8485	TM 2878443.3000	544461.1200
3	21:10:25	226431.7100	15.8333	TM 19956453.0000	TM 2764794.1000	TM 3233981.7000	10136.1610	TM 2922381.9000	556103.4400
4	21:11:02	232233.9900	15.8333	TM 20409541.0000	TM 2841927.7000	TM 3319446.9000	10163.6940	TM 3002202.1000	561207.9200
5	21:11:39	232461.0200	6.6667	TM 20798362.0000	TM 2890870.7000	TM 3343427.9000	11172.4840	TM 3031014.9000	568199.9400
x		227316.7400	12.3333	TM 19888674.0000	TM 2762139.9000	TM 3213396.5000	10221.2800	TM 2924221.1000	552370.5100
%RSD		2.128	32.192	TM 3.930	TM 4.093	TM 4.031	5.467	TM 3.351	2.600

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	21:09:12	550.0181	11375.2580	1975.2341	ID 145468.6800	T 11435298.0000	T 2596814.6000	102754.6300	13919.1150
2	21:09:48	492.5146	11417.8170	1897.7161	ID 151759.3900	T 11739858.0000	T 2684264.4000	102073.8400	14447.5130
3	21:10:25	450.0122	11563.0170	1855.2065	ID 154313.1500	T 11882264.0000	T 2724837.2000	103098.8400	14394.9220
4	21:11:02	502.5152	11966.0850	1955.2293	ID 159369.4800	T 12115077.0000	T 2782486.6000	103187.4300	14895.8010
5	21:11:39	547.5180	12153.8570	2045.2510	ID 160613.0200	T 12234868.0000	T 2818321.6000	105723.9300	14880.7740
x		508.5156	11695.2070	1945.7274	ID 154304.7400	T 11881473.0000	T 2721344.9000	103367.7300	14507.6250
%RSD		8.202	2.964	3.756	ID 3.969	T 2.657	T 3.184	1.343	2.784

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	21:09:12	6782.7592	2697.9367	2100.2646	TM 13810098.0000	40267.0520	582.5204	223.3363	230.8365
2	21:09:48	6832.8001	2895.5029	2375.3385	TM 14160785.0000	40446.2500	570.0195	192.5022	216.6695
3	21:10:25	6715.2045	2938.0178	2165.2813	TM 14358086.0000	41720.8440	618.3563	169.1684	206.6692
4	21:11:02	6955.4014	3168.1021	2410.3485	TM 14582902.0000	42035.7540	620.0231	185.8354	204.1692
5	21:11:39	7025.4602	3110.5804	2292.8154	TM 14779182.0000	42420.1940	637.5244	200.8358	225.8364
x		6862.3251	2962.0280	2268.8097	TM 14338211.0000	41378.0190	605.6887	194.3356	216.8362
%RSD		1.845	6.300	5.876	TM 2.621	2.336	4.661	10.267	5.363

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	21:09:12	878746.2100	132.5011	1127.5763	93.7505	15475.6060	36239.8790	992019.0500	30.0001
2	21:09:48	906240.0700	136.2511	1127.5763	86.2504	16171.9270	37408.7770	1035000.6000	27.5000
3	21:10:25	928650.0200	156.2515	1200.0864	88.7505	16273.3740	38694.6280	1061215.9000	15.0000
4	21:11:02	933117.6900	116.2508	1235.0915	97.5006	16612.7930	39127.8940	1078427.0000	52.5002
5	21:11:39	946662.7300	147.5013	1260.0953	91.2505	16506.3310	39429.3100	1084238.6000	17.5000
x		918683.3500	137.7512	1190.0852	91.5005	16208.0060	38180.0980	1050180.2000	28.5001
%RSD		2.901	11.066	5.118	4.772	2.750	3.485	3.592	52.117

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	21:09:12	138791.2400	7488.3630	13293.0940	1585475.0000	523.7665	1253.8443	167524.6100	143416.0600
2	21:09:48	144011.1900	7886.2298	13778.8820	1663709.9000	543.7677	1263.8458	175983.8000	149539.8000
3	21:10:25	147598.1400	7658.5176	14397.4260	1713018.9000	606.2721	1377.6139	178917.7900	154789.3600
4	21:11:02	150995.7000	8214.0462	14121.9560	1738711.9000	596.2713	1482.6319	183288.7600	158763.0700
5	21:11:39	151487.0000	8316.6479	14697.9500	1759941.0000	565.0192	1362.6114	186222.7400	160964.7100
x		146576.6500	7912.7609	14057.8620	1692171.3000	567.0194	1348.1095	178387.5400	153494.6000
%RSD		3.608	4.465	3.883	4.114	6.117	6.955	4.057	4.635

Run	Time	208Pb	209Bi	220Bkg
1	21:09:12	363073.2000	1075477.3000	2.5000
2	21:09:48	378871.1700	1129064.4000	0.0000
3	21:10:25	394234.7800	1170088.9000	0.0000
4	21:11:02	402540.5500	1186797.9000	0.0000
5	21:11:39	406099.6500	1204299.9000	2.5000
x		388963.8700	1153145.7000	1.0000
%RSD		4.595	4.474	136.931

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	21:15:11	238880.4500	3.3333	T 2063010.4000	291645.6600	336213.2500	2010.2424	284815.4100	582238.5200
2	21:15:48	243395.8300	5.0000	T 2108330.2000	299414.0000	346861.6100	1995.2388	287520.9800	587437.5500
3	21:16:24	243834.2000	12.5000	T 2132168.8000	302124.2300	353142.3100	1932.7241	291658.6100	592272.4200
4	21:17:01	243603.4300	10.8333	T 2140629.1000	307334.6600	353533.3800	1985.2364	292624.0800	594717.7000
5	21:17:38	243521.0800	10.0000	T 2156426.1000	304104.3400	353074.5300	2047.7516	296026.1300	596125.6500
x		242647.0000	8.3333	T 2120112.9000	300924.5800	348565.0200	1994.2387	290529.0400	590558.3700
%RSD		0.870	47.434	T 1.714	1.973	2.135	2.096	1.516	0.966

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	21:15:11	355.0076	1770.1880	1565.1470	ID 18460.4250	1244179.6000	422056.4300	12474.3300	1457.6275
2	21:15:48	252.5038	1735.1806	1510.1368	ID 18578.1860	1262607.3000	430144.6600	12819.8530	1665.1664
3	21:16:24	250.0038	1805.1955	1627.6589	ID 18768.6120	1274746.4000	431807.4300	12233.9740	1592.6522
4	21:17:01	195.0023	1677.6689	1580.1498	ID 18863.8260	1279693.0000	433212.6200	11788.3320	1567.6474
5	21:17:38	232.5032	1800.1944	1495.1341	ID 19194.5800	1288692.0000	436763.4500	11958.5740	1660.1654
x		257.0041	1757.6855	1555.6453	ID 18773.1260	1269983.6000	430796.9200	12255.0130	1588.6518
%RSD		23.117	3.001	3.463	ID 1.511	1.357	1.268	3.348	5.322

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	21:15:11	790.0375	455.0124	342.5070	1708389.6000	4375.3150	695.8624	61.6669	56.6669
2	21:15:48	740.0329	565.0192	285.0049	1733768.1000	4492.8775	705.0298	70.0003	59.1669
3	21:16:24	757.5344	492.5146	305.0056	1750958.1000	4412.0010	705.0298	72.5003	59.1669
4	21:17:01	790.0375	492.5146	340.0069	1751382.4000	4400.3281	740.0329	70.0003	61.6669
5	21:17:38	792.5377	502.5152	282.5048	1749120.4000	4434.5129	700.0294	71.6670	51.6668
x		774.0360	501.5152	311.0058	1738723.7000	4423.0069	709.1969	69.1670	57.6669
%RSD		3.086	7.950	9.316	1.062	1.006	2.490	6.260	6.575

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	21:15:11	955277.6700	40.0001	127.5010	21.2500	1710.1755	4037.2277	1099931.9000	17.5000
2	21:15:48	977014.4300	32.5001	142.5012	23.7500	1766.4372	4113.5150	1127157.8000	20.0000
3	21:16:24	989678.7700	46.2501	152.5014	21.2500	1816.4479	4238.5777	1148755.3000	7.5000
4	21:17:01	996485.2600	26.2500	122.5009	21.2500	1746.4330	4413.6685	1152952.5000	12.5000
5	21:17:38	1000608.2000	40.0001	105.0007	18.7500	1718.9273	4343.6317	1154967.5000	12.5000
x		983812.8700	37.0001	130.0010	21.2500	1751.6842	4229.3241	1136753.0000	14.0000
%RSD		1.859	20.908	14.132	8.319	2.428	3.690	2.057	34.810

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	21:15:11	14923.3500	795.0379	1442.6249	1696497.4000	56.2502	181.2520	17485.8260	15294.0220
2	21:15:48	14913.3330	757.5344	1417.6206	1748854.9000	83.7504	178.7519	18523.0630	16418.6580
3	21:16:24	16195.7230	845.0428	1512.6373	T 1845675.2000	82.5004	211.2527	18828.7470	16072.9860
4	21:17:01	15947.7450	805.0389	1490.1332	1813561.8000	72.5003	193.7523	19009.1560	16348.5210
5	21:17:38	15143.7470	830.0413	1530.1405	1812289.4000	81.2504	190.0022	19091.8450	16568.9550
x		15424.7800	806.5391	1478.6313	T 1783375.8000	75.2503	191.0022	18587.7280	16140.6280
%RSD		3.917	4.191	3.201	T 3.361	15.288	6.744	3.516	3.137

Run	Time	208Pb	209Bi	220Bkg
1	21:15:11	38609.2340	1209230.7000	0.0000
2	21:15:48	40189.1770	1256656.6000	0.0000
3	21:16:24	41701.5810	1286426.2000	0.0000
4	21:17:01	41601.0800	1305810.1000	2.5000
5	21:17:38	42131.2340	1314991.0000	0.0000
x		40846.4610	1274622.9000	0.5000
%RSD		3.545	3.361	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	21:21:08	235117.3400	10.0000	T 3163949.4000	455254.7700	528136.6600	1902.7172	M 579483.5800	563664.4400
2	21:21:45	235474.7200	11.6667	T 3239409.0000	465059.5500	537007.5300	1957.7299	M 593795.2700	566938.2100
3	21:22:21	233145.5800	5.8333	T 3289664.0000	472337.2400	542773.7000	1995.2388	M 599320.5500	576115.4000
4	21:22:58	235443.0100	10.0000	T 3330423.2000	474188.0300	549285.2800	1992.7382	M 605209.1200	573680.7500
5	21:23:35	236918.1100	7.5000	T 3368780.9000	480245.5700	555577.5400	1927.7229	M 609514.0200	578145.2500
x		235219.7500	9.0000	T 3278445.3000	469417.0300	542556.1400	1955.2294	M 597464.5100	571708.8100
%RSD		0.575	25.693	T 2.441	2.044	1.963	2.066	M 1.954	1.079

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	21:21:08	520.0162	5932.1106	1662.6659	ID 117510.2200	1917504.6000	T 2100015.8000	57656.2670	1770.1880
2	21:21:45	545.0178	5729.4689	1555.1451	ID 120208.2900	1948874.0000	2243311.5000	57286.2280	1757.6853
3	21:22:21	427.5110	6242.3371	1537.6418	ID 120018.0800	1945394.0000	T 2167731.3000	57208.1950	1967.7323
4	21:22:58	437.5115	5912.0964	1625.1585	ID 122653.5400	1966955.9000	T 2171287.8000	58310.7980	1755.1848
5	21:23:35	500.0150	5804.5208	1550.1442	ID 123944.9400	1990061.9000	T 2185886.4000	57688.9920	1815.1977
x		486.0143	5924.1068	1586.1511	ID 120867.0100	1953758.1000	T 2173646.6000	57630.0960	1813.1976
%RSD		10.596	3.309	3.451	ID 2.072	1.378	T 2.353	0.758	4.947

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	21:21:08	1590.1517	930.0519	597.5214	1714618.2000	24468.3690	635.8576	74.1670	66.6669
2	21:21:45	1645.1624	1017.5621	537.5173	1747524.2000	25132.0070	632.5240	60.8336	60.0002
3	21:22:21	1617.6570	980.0576	632.5240	1768036.4000	25006.6300	673.3605	62.5002	63.3336
4	21:22:58	1577.6493	1025.0630	630.0238	1776837.0000	25246.5190	647.5252	68.3336	67.5003
5	21:23:35	1545.1432	810.0394	572.5197	1792246.0000	25113.6180	610.0223	62.5002	62.5002
x		1595.1527	952.5548	594.0213	1759852.4000	24993.4290	639.8579	65.6669	64.0002
%RSD		2.395	9.250	6.758	1.705	1.223	3.616	8.437	4.819

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	21:21:08	922316.1300	52.5002	107.5007	25.0000	2044.0006	4727.5906	1065906.8000	15.0000
2	21:21:45	943070.0800	45.0001	125.0009	26.2500	2040.2497	4832.6509	1093817.6000	5.0000
3	21:22:21	946849.8000	46.2501	162.5016	31.2501	2104.0156	4892.6859	1107949.6000	10.0000
4	21:22:58	963867.4700	46.2501	182.5020	37.5001	1961.4808	5029.0170	1120500.8000	22.5000
5	21:23:35	969265.5400	36.2501	157.5015	27.5000	2147.7767	4980.2377	1126194.7000	20.0000
x		949073.8100	45.2501	147.0013	29.5001	2059.5047	4892.4364	1102873.9000	14.5000
%RSD		1.960	12.868	20.564	17.107	3.433	2.442	2.188	49.372

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	21:21:08	138531.9700	10699.3640	18520.5580	1655615.1000	931.3020	2254.0548	38694.6280	34656.9170
2	21:21:45	145361.8400	11082.3640	19570.4530	1724074.0000	967.5562	2297.8168	41668.9180	35583.3080
3	21:22:21	146801.7600	11022.2850	19720.8070	1759950.1000	995.0594	2445.3587	42377.4780	36354.1250
4	21:22:58	149939.3800	10994.7480	19886.1990	1785235.4000	1027.5633	2384.0910	42746.8570	36946.7220
5	21:23:35	150934.6100	11710.7230	19823.5500	1796929.8000	1043.8154	2414.0996	43774.6720	37263.1270
x		146313.9100	11101.8970	19504.3140	1744360.9000	993.0593	2359.0842	41852.5110	36160.8400
%RSD		3.352	3.343	2.885	3.264	4.569	3.410	4.592	2.922

Run	Time	208Pb	209Bi	220Bkg
1	21:21:08	85567.0590	1191132.1000	0.0000
2	21:21:45	89947.8310	1241969.8000	0.0000
3	21:22:21	91097.7210	1272323.3000	0.0000
4	21:22:58	93539.5490	1289780.2000	0.0000
5	21:23:35	94201.9480	1304464.2000	0.0000
x		90870.8220	1259933.9000	0.0000
%RSD		3.782	3.568	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	21:27:06	226671.4300	15.8333	TM 32384484.0000	TM 4537803.1000	TM 5227295.2000	3445.7122	TM 4467640.6000	560856.6700
2	21:27:42	229322.5000	14.1667	TM 33607106.0000	TM 4715663.5000	TM 5460278.8000	3403.1948	TM 4640655.2000	574084.6900
3	21:28:19	233818.2100	10.8333	TM 34513128.0000	TM 4842650.8000	TM 5590270.8000	3588.2724	TM 4789961.5000	585290.3200
4	21:28:56	233803.6400	10.8333	TM 34781962.0000	TM 4868087.3000	TM 5664423.8000	3493.2320	TM 4858133.9000	590938.8100
5	21:29:33	235724.1200	16.6667	TM 35420516.0000	TM 4920348.2000	TM 5725251.6000	3368.1805	TM 4850852.5000	593466.8200
x		231867.9800	13.6667	TM 34141439.0000	TM 4776910.6000	TM 5533504.1000	3459.7184	TM 4721448.7000	580927.4600
%RSD		1.612	20.039	TM 3.452	TM 3.211	TM 3.572	2.479	TM 3.529	2.319

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	21:27:06	495.0147	15236.4160	2302.8181	ID 21535.2900	T 16346469.0000	508369.9200	77783.8330	24470.8770
2	21:27:42	480.0138	14793.1190	2267.8085	ID 22608.1260	T 16822288.0000	528221.8200	77622.3380	24684.0040
3	21:28:19	427.5110	15922.6970	2247.8031	ID 23066.8810	T 17175967.0000	533585.3600	75674.5450	24631.3480
4	21:28:56	460.0127	15479.3630	2197.7898	ID 22944.0420	T 17386590.0000	538896.3000	75432.3640	25591.7360
5	21:29:33	432.5112	16824.4670	2310.3202	ID 23340.1400	T 17498550.0000	547946.2900	74816.8530	25255.7130
x		459.0127	15651.2120	2265.3080	ID 22698.8960	T 17045973.0000	531403.9400	76265.9870	24926.7360
%RSD		6.382	4.937	2.011	ID 3.091	T 2.747	2.784	1.770	1.908

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	21:27:06	5807.0226	3270.6417	827.5411	59519.2960	2348.6643	664.1931	57.5002	40.8334
2	21:27:42	5494.3107	3538.2510	815.0399	60269.6610	2248.6367	710.8637	58.3335	60.0002
3	21:28:19	5731.9707	3615.7843	715.0307	61987.1900	2395.3442	699.1960	60.8336	51.6668
4	21:28:56	5686.9398	3608.2810	860.0444	61566.5900	2385.3413	721.6979	57.5002	65.0003
5	21:29:33	5514.3239	3790.8620	775.0360	62705.0310	2492.8728	770.0356	63.3336	65.0003
x		5646.9135	3564.7640	798.5384	61209.5540	2374.1719	713.1973	59.5002	56.5002
%RSD		2.430	5.301	6.979	2.116	3.712	5.388	4.271	18.256

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	21:27:06	906506.8900	30.0001	27.5000	21.2500	21.2500	28.7500	1010983.0000	25.0000
2	21:27:42	942486.8000	38.7501	7.5000	23.7500	12.5000	42.5001	1051708.7000	25.0000
3	21:28:19	962298.2000	47.5001	15.0000	28.7500	12.5000	33.7501	1076505.8000	45.0001
4	21:28:56	973389.7800	53.7502	10.0000	27.5000	21.2500	51.2502	1094470.6000	37.5001
5	21:29:33	979457.8500	46.2501	15.0000	22.5000	17.5000	46.2501	1108506.9000	32.5001
x		952827.9000	43.2501	15.0000	24.7500	17.0000	40.5001	1068435.0000	33.0001
%RSD		3.093	21.100	51.370	13.073	25.788	22.638	3.603	25.913

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	21:27:06	900.0486	26908.3740	46645.1820	1621760.1000	23.7500	36.2501	80.0004	55.0002
2	21:27:42	910.0497	27728.5560	47789.1360	1698749.6000	21.2500	58.7502	52.5002	57.5002
3	21:28:19	952.5544	28017.0180	48928.2180	1748485.6000	26.2500	61.2502	50.0001	45.0001
4	21:28:56	1057.5671	28696.8260	49828.5290	1780937.2000	38.7501	65.0003	65.0003	35.0001
5	21:29:33	977.5573	29020.4430	50487.4770	T 1866331.5000	20.0000	58.7502	50.0001	50.0001
x		959.5554	28074.2430	48735.7080	T 1743252.8000	26.0000	56.0002	59.5002	48.5001
%RSD		6.585	2.961	3.173	T 5.237	28.926	20.238	21.913	18.442

Run	Time	208Pb	209Bi	220Bkg
1	21:27:06	125.0009	1047659.3000	0.0000
2	21:27:42	102.5006	1093204.4000	0.0000
3	21:28:19	117.5008	1133102.6000	0.0000
4	21:28:56	100.0006	1147237.2000	0.0000
5	21:29:33	130.0010	1164910.6000	0.0000
x		115.0008	1117222.8000	0.0000
%RSD		11.606	4.209	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	21:33:04	238015.3900	10.8333	TM 19533593.0000	TM 2736538.6000	TM 3183612.7000	6284.8691	TM 2610808.0000	567949.9900
2	21:33:40	238017.1000	15.8333	TM 19847725.0000	TM 2792182.3000	TM 3207440.6000	6319.8956	TM 2644362.5000	578253.6500
3	21:34:17	242293.5600	12.5000	TM 20198189.0000	TM 2816794.8000	TM 3268355.9000	6057.2006	TM 2680932.1000	582587.9700
4	21:34:54	241837.2600	12.5000	TM 20394009.0000	TM 2835357.1000	TM 3283475.4000	6362.4279	TM 2709244.5000	582786.1300
5	21:35:30	238970.4800	16.6667	TM 20450785.0000	TM 2830846.6000	TM 3300914.1000	6364.9298	TM 2723369.5000	584988.9800
x		239826.7600	13.6667	TM 20084860.0000	TM 2802343.9000	TM 3248759.8000	6277.8646	TM 2673743.3000	579313.3400
%RSD		0.870	18.088	TM 1.932	TM 1.443	TM 1.559	2.034	TM 1.734	1.175

Run	Time	47Ti	51V	§2Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	21:33:04	622.5233	17591.0470	2270.3092	ID 43287.1350	971463.2200	880344.9800	57054.6480	5766.9948
2	21:33:40	545.0178	18553.1300	2235.2998	ID 44963.4760	973496.2000	896365.3400	56830.6250	6034.6843
3	21:34:17	525.0165	18738.5440	2232.7991	ID 45222.3720	987083.8600	896806.7600	53735.1910	5842.0471
4	21:34:54	547.5180	18991.6160	2112.7678	ID 45420.9470	997055.2800	902374.9700	54306.3760	5741.9775
5	21:35:30	477.5137	19653.1470	2270.3092	ID 45126.8560	989925.6800	908296.9700	53984.2940	5847.0506
x		543.5179	18705.4970	2224.2970	ID 44804.1570	983804.8500	896837.8000	55182.2270	5846.5508
%RSD		9.630	4.006	2.919	ID 1.928	1.116	1.162	2.939	1.963

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	21:33:04	4631.2866	1225.0900	827.5411	73540.5670	3118.0832	724.1981	65.0003	57.5002
2	21:33:40	4668.8075	1265.0960	840.0423	73954.2040	3088.9057	647.5252	64.1669	37.5001
3	21:34:17	4508.7194	1260.0953	865.0449	74842.0780	3137.2571	645.0250	50.8335	55.8335
4	21:34:54	4386.1540	1107.5736	805.0389	75952.0530	3225.6242	645.0250	58.3335	45.0001
5	21:35:30	4406.1645	1147.5790	815.0399	75735.0910	3278.9783	665.8599	70.8336	47.5001
x		4520.2264	1201.0868	830.5414	74804.7990	3169.7697	665.5266	61.8336	48.6668
%RSD		2.832	5.852	2.811	1.419	2.510	5.099	12.256	16.847

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	21:33:04	932203.3500	61.2502	10.0000	37.5001	11.2500	27.5000	1056810.2000	27.5000
2	21:33:40	952377.1500	53.7502	12.5000	33.7501	13.7500	40.0001	1086683.4000	20.0000
3	21:34:17	957100.0700	70.0003	5.0000	62.5002	8.7500	27.5000	1098593.9000	22.5000
4	21:34:54	964544.5000	93.7505	2.5000	60.0002	15.0000	26.2500	1104992.9000	50.0001
5	21:35:30	961481.5100	105.0007	2.5000	68.7503	21.2500	33.7501	1111618.4000	20.0000
x		953541.3100	76.7504	6.5000	52.5002	14.0000	31.0001	1091739.8000	28.0001
%RSD		1.340	28.411	69.869	30.070	33.645	18.784	1.977	45.264

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	21:33:04	715.0307	9705.6487	16859.5370	1672290.0000	23.7500	53.7502	167.5017	137.5011
2	21:33:40	685.0282	10063.5730	17428.2060	1737937.6000	26.2500	53.7502	177.5019	140.0012
3	21:34:17	817.5401	10038.5430	17803.9990	1774155.5000	28.7500	57.5002	210.0027	200.0024
4	21:34:54	757.5344	10071.0820	17951.8150	T 1848066.4000	31.2501	68.7503	210.0027	192.5022
5	21:35:30	752.5340	10206.2460	18227.4130	T 1857343.1000	30.0001	50.0001	215.0028	182.5020
x		745.5335	10017.0180	17654.1940	T 1777958.5000	28.0000	56.7502	196.0023	170.5018
%RSD		6.696	1.856	3.000	T 4.357	10.751	12.711	11.142	17.393

Run	Time	208Pb	209Bi	220Bkg
1	21:33:04	422.5107	1135495.3000	0.0000
2	21:33:40	377.5086	1185834.1000	2.5000
3	21:34:17	455.0124	1209590.2000	0.0000
4	21:34:54	395.0094	1230814.7000	0.0000
5	21:35:30	437.5115	1229882.2000	0.0000
x		417.5105	1198323.3000	0.5000
%RSD		7.515	3.307	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	21:39:02	230557.5600	15.8333	TM 32332158.0000	TM 4515489.2000	TM 5202482.7000	2790.4671	TM 4320936.6000	557809.4900
2	21:39:38	235483.2900	15.0000	TM 33424196.0000	TM 4635819.3000	TM 5389539.1000	2752.9547	TM 4460159.0000	573587.1200
3	21:40:15	238809.2900	10.0000	TM 34011525.0000	TM 4782800.2000	TM 5539486.2000	2832.9815	TM 4545909.4000	579341.7100
4	21:40:52	236267.5200	13.3333	TM 34280668.0000	TM 4781022.1000	TM 5580337.1000	3358.1765	TM 4578037.6000	581640.0700
5	21:41:29	236711.5300	11.6667	TM 34622913.0000	TM 4823329.5000	TM 5640880.4000	3998.4590	TM 4609828.1000	586771.7600
x		235565.8400	13.1667	TM 33734292.0000	TM 4707692.1000	TM 5470545.1000	3146.6078	TM 4502974.1000	575830.0300
%RSD		1.298	18.124	TM 2.663	TM 2.739	TM 3.222	17.045	TM 2.577	1.933

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	21:39:02	577.5200	16521.3610	2210.2931	ID 126683.1500	1653579.0000	T 2318865.1000	122747.4100	2547.8894
2	21:39:38	565.0192	16774.3660	2132.7729	ID 130889.9200	1690108.3000	T 2381984.0000	121068.1100	2422.8522
3	21:40:15	605.0220	17809.0090	2085.2609	ID 133775.2000	1714663.8000	T 2413017.1000	119373.9300	2260.3065
4	21:40:52	472.5134	17117.5630	2170.2826	ID 136359.0700	1738931.5000	T 2451201.8000	117786.5800	2182.7858
5	21:41:29	577.5200	18052.0310	2252.8045	ID 135286.8100	1739337.0000	T 2452177.6000	117720.6600	2147.7767
x		559.5189	17254.8660	2170.2828	ID 132598.8300	1707323.9000	T 2403449.1000	119739.3400	2312.3221
%RSD		9.078	3.812	3.008	ID 2.937	2.124	T 2.313	1.812	7.309

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	21:39:02	4093.5052	515.0159	855.0439	682.5280	1711.8425	679.1943	50.8335	44.1668
2	21:39:38	4266.0917	595.0212	780.0365	715.0307	1679.3359	688.3618	46.6668	47.5001
3	21:40:15	4246.0815	532.5170	822.5406	770.0356	1799.3609	662.5263	70.0003	40.8334
4	21:40:52	4211.0637	560.0188	720.0311	805.0389	1762.6864	704.1964	61.6669	42.5001
5	21:41:29	3795.8643	557.5187	835.0418	835.0418	1771.0215	658.3593	52.5002	46.6668
x		4122.5213	552.0183	802.5388	761.5350	1744.8494	678.5276	56.3335	44.3335
%RSD		4.717	5.504	6.689	8.246	2.772	2.776	16.690	6.291

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	21:39:02	907671.5100	50.0001	2.5000	20.0000	1.2500	1.2500	1020255.0000	20.0000
2	21:39:38	937336.6000	45.0001	15.0000	27.5000	0.0000	2.5000	1055679.4000	22.5000
3	21:40:15	958469.9100	58.7502	7.5000	25.0000	1.2500	3.7500	1079458.6000	35.0001
4	21:40:52	960941.7500	42.5001	7.5000	38.7501	0.0000	1.2500	1089046.7000	25.0000
5	21:41:29	968271.8700	58.7502	7.5000	46.2501	0.0000	6.2500	1104833.7000	40.0001
x		946538.3300	51.0002	8.0000	31.5001	0.5000	3.0000	1069854.7000	28.5001
%RSD		2.597	14.848	55.902	34.067	136.931	69.722	3.081	30.133

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	21:39:02	315.0060	17593.5520	30646.2480	1617950.0000	10.0000	20.0000	22.5000	27.5000
2	21:39:38	327.5064	18275.0170	32237.2340	1692819.9000	3.7500	27.5000	27.5000	45.0001
3	21:40:15	345.0071	18630.8030	32806.9510	1736514.0000	12.5000	18.7500	32.5001	45.0001
4	21:40:52	297.5053	19182.0520	32992.6820	1762697.8000	8.7500	27.5000	22.5000	20.0000
5	21:41:29	340.0069	18778.6340	33499.6990	1773558.8000	11.2500	20.0000	30.0001	20.0000
x		325.0064	18492.0120	32436.5630	1716708.1000	9.2500	22.7500	27.0000	31.5001
%RSD		5.934	3.235	3.385	3.691	36.512	19.192	16.563	40.313

Run	Time	208Pb	209Bi	220Bkg
1	21:39:02	65.0003	1077895.7000	0.0000
2	21:39:38	60.0002	1123764.6000	0.0000
3	21:40:15	82.5004	1163577.2000	0.0000
4	21:40:52	95.0005	1180182.2000	0.0000
5	21:41:29	67.5003	1185509.9000	0.0000
x		74.0003	1146185.9000	0.0000
%RSD		19.495	3.943	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	21:44:59	248328.1900	579.1868	3670.8083	495.0147	530.0169	535.0172	1220.0893	606477.8100
2	21:45:38	250361.0100	520.0162	4060.9893	560.0188	650.0254	517.5161	1167.5818	614490.2900
3	21:46:14	252033.6500	630.0238	4040.9795	575.0198	625.0234	547.5180	1217.5889	623091.3200
4	21:46:51	251461.7600	540.0175	3950.9364	505.0153	680.0278	572.5197	1227.5904	628415.9600
5	21:47:28	253610.4200	578.3534	3755.8462	570.0195	805.0389	560.0188	1187.5846	629679.9900
x		251159.0100	569.5196	3895.9119	541.0176	658.0265	546.5179	1204.0870	620431.0700
%RSD		0.784	7.425	4.476	7.021	15.128	3.917	2.116	1.584

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	21:44:59	275.0045	15694.7660	7120.5408	ID 3280.6456	3930.9269	169060.1600	1415.1201	3603.2788
2	21:45:38	265.0042	15867.5920	7260.6617	ID 3288.1486	4213.5650	167098.6900	1450.1262	3445.7122
3	21:46:14	172.5018	15694.7660	7438.3182	ID 3298.1525	4148.5324	169445.3700	1332.6065	3718.3294
4	21:46:51	232.5032	16115.5680	7370.7582	ID 3340.6695	3998.4590	171478.8300	1530.1405	3703.3227
5	21:47:28	177.5019	16516.3510	7538.4081	ID 3235.6280	4236.0764	170927.6800	1452.6266	3713.3271
x		224.5031	15977.8090	7345.7374	ID 3288.6489	4105.5119	169602.1500	1436.1240	3636.7941
%RSD		21.325	2.171	2.198	ID 1.145	3.280	1.015	4.981	3.212

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	21:44:59	860.0444	4108.5125	1815.1977	1715.1765	540.8509	1432.6231	278.3380	44.1668
2	21:45:38	830.0413	4196.0561	1952.7288	1825.1999	576.6866	1492.6337	315.0060	40.0001
3	21:46:14	907.5494	4133.5249	2022.7455	1647.6629	562.5190	1445.1253	340.0069	45.8335
4	21:46:51	892.5478	4431.1778	2150.2774	1702.6739	522.5164	1501.8020	337.5068	48.3335
5	21:47:28	892.5478	4296.1071	2085.2609	1692.6719	565.0192	1465.1288	337.5068	49.1668
x		876.5461	4233.0757	2005.2420	1716.6770	553.5184	1467.4626	321.6729	45.5001
%RSD		3.566	3.125	6.436	3.833	3.908	2.025	8.166	8.046

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	21:44:59	989574.9600	2594.1537	40.0001	2594.1537	533.7671	1327.6057	1124058.0000	12.5000
2	21:45:38	1011182.7000	2712.9415	40.0001	2616.6608	558.7687	1387.6155	1157123.1000	15.0000
3	21:46:14	1036173.8000	2682.9318	25.0000	2689.1838	577.5200	1387.6155	1176065.3000	12.5000
4	21:46:51	1037082.1000	2785.4655	17.5000	2645.4198	590.0209	1346.3588	1187949.8000	22.5000
5	21:47:28	1049558.8000	2791.7175	45.0001	2674.1790	568.7694	1367.6122	1205776.0000	7.5000
x		1024714.5000	2713.4420	33.5001	2643.9194	565.7692	1363.3615	1170194.4000	14.0000
%RSD		2.350	2.998	34.844	1.487	3.758	1.927	2.674	39.123

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	21:44:59	2830.4806	3550.7563	6147.2665	1688473.8000	2142.7755	5100.3103	1890.2144	1542.6428
2	21:45:38	2935.5169	3570.7649	6477.5165	T 1827003.0000	2225.2971	5586.8722	2020.2449	1520.1386
3	21:46:14	3155.5974	3723.3316	6344.9146	T 1869909.9000	2292.8154	5429.2680	2072.7577	1655.1644
4	21:46:51	3158.0983	3728.3338	6297.3785	1822313.7000	2339.0782	5579.3671	2057.7540	1575.1489
5	21:47:28	3118.0832	3763.3496	6467.5087	T 1904320.3000	2390.3428	5848.3014	2130.2722	1637.6609
x		3039.5553	3667.3072	6346.9170	T 1822404.1000	2278.0618	5508.8238	2034.2486	1586.1511
%RSD		4.886	2.692	2.142	T 4.502	4.258	4.967	4.410	3.701

Run	Time	208Pb	209Bi	220Bkg
1	21:44:59	3653.3006	1210732.1000	0.0000
2	21:45:38	3853.3907	1260873.0000	0.0000
3	21:46:14	4103.5101	1295658.4000	0.0000
4	21:46:51	4040.9795	1312554.1000	0.0000
5	21:47:28	4183.5499	1327157.4000	0.0000
x		3966.9462	1281395.0000	0.0000
%RSD		5.382	3.636	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	21:50:57	235129.3400	133155.3900	649480.1800	91651.2410	105878.3700	539815.5200	20773.3600	574726.7600
2	21:51:33	234200.3800	132808.2500	661713.6600	92257.8800	107883.8400	538174.3100	21134.2650	573851.9600
3	21:52:10	236643.8100	134832.0300	670474.0400	94917.4990	110234.3100	544351.8100	21164.3420	579007.1100
4	21:52:47	235794.4000	135064.9200	675853.6200	94760.7300	109975.9300	547887.6200	21607.9780	579600.0300
5	21:53:24	233230.4100	133303.5600	673531.4400	95367.5940	111141.2300	543656.0200	21169.3540	575478.5800
x		234999.6700	133832.8300	666210.5900	93790.9890	109022.7400	542777.0600	21169.8600	576532.8900
%RSD		0.568	0.775	1.618	1.818	1.948	0.710	1.398	0.451

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	21:50:57	272.5045	717677.9000	677881.3000	ID 73500.2140	876718.3900	1252573.7000	26890.8170	867156.2500
2	21:51:33	235.0033	723269.1700	682336.2900	ID 74370.3830	887763.5200	1269620.1000	26732.8100	879580.2000
3	21:52:10	197.5023	726440.5100	683100.2300	ID 75883.9360	888664.9300	1286385.6000	27670.8640	877890.1500
4	21:52:47	172.5018	725552.9700	689525.9500	ID 75053.9710	893079.0100	1283862.2000	27976.8840	880533.4200
5	21:53:24	187.5021	719261.0500	680009.6600	ID 74733.6110	882678.5400	1274407.4000	28325.5590	873799.3600
x		213.0028	722440.3200	682570.6900	ID 74708.4230	885780.8800	1273369.8000	27519.3870	875791.8800
%RSD		19.006	0.532	0.644	ID 1.174	0.708	1.059	2.502	0.625

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	21:50:57	195852.2600	480769.5300	231213.7000	134372.1900	120286.0700	31564.6670	12968.4160	45.8335
2	21:51:33	198954.4600	485780.4600	232359.9300	136778.3600	120591.2700	31471.8170	12723.0380	52.5002
3	21:52:10	196330.8200	481256.4600	232388.2000	136755.4900	121104.4600	31706.8720	12728.0460	50.0001
4	21:52:47	195685.9200	484546.6500	233508.8800	137428.9400	121843.4500	31377.2940	12756.4230	30.8334
5	21:53:24	195778.0400	484273.9600	231648.0100	136074.4800	120956.5000	31740.3320	12918.3390	48.3335
x		196520.3000	483325.4100	232223.7400	136281.8900	120956.3500	31572.1960	12818.8520	45.5001
%RSD		0.704	0.454	0.376	0.859	0.488	0.487	0.903	18.794

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	21:50:57	946953.1100	638626.3100	8774.6172	625749.8700	129828.5100	309555.9000	1084193.2000	10.0000
2	21:51:33	965851.1400	650813.4100	8874.7231	639161.3400	134020.3400	317458.7800	1107312.7000	10.0000
3	21:52:10	967692.5100	662032.5600	8844.6912	643311.9400	134415.3800	320796.7800	1121893.4000	15.0000
4	21:52:47	974717.3400	663163.6500	8939.7926	648546.5000	135850.8700	324510.2400	1124268.8000	15.0000
5	21:53:24	970844.4500	664113.7700	9059.9223	646269.4000	136173.5800	323029.3400	1122707.9000	17.5000
x		965211.7100	655749.9400	8898.7493	640607.8100	134057.7400	319070.2100	1112075.2000	13.5000
%RSD		1.113	1.674	1.213	1.408	1.891	1.863	1.530	24.845

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	21:50:57	360014.7000	85844.8950	149175.8600	1657476.5000	535549.2800	1317606.1000	455605.6900	361499.4500
2	21:51:33	374092.3800	87630.8400	153029.8000	1710097.6000	557836.1900	1368166.2000	476565.5700	375639.7000
3	21:52:10	378447.5600	88254.8740	155800.4400	T 1800326.1000	569314.8100	1391594.4000	483405.6600	382865.1400
4	21:52:47	381384.5100	88277.6130	157051.0900	1746840.6000	576724.1700	1416215.1000	487432.8800	388855.6800
5	21:53:24	381350.5100	89581.4160	156679.1800	1760784.4000	576320.1100	1417964.9000	489737.2700	387159.3700
x		375057.9300	87917.9270	154347.2800	T 1735105.0000	563148.9100	1382309.3000	478549.4100	379203.8700
%RSD		2.379	1.546	2.133	T 3.117	3.057	3.003	2.877	2.937

Run	Time	208Pb	209Bi	220Bkg
1	21:50:57	924992.3000	1188317.0000	0.0000
2	21:51:33	968588.1500	1227276.7000	0.0000
3	21:52:10	981820.6500	1256887.9000	2.5000
4	21:52:47	997605.6800	1268118.9000	0.0000
5	21:53:24	995704.7100	1272853.3000	0.0000
x		973742.3000	1242690.8000	0.5000
%RSD		3.047	2.831	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	21:56:53	232951.0900	25.0000	1690.1714	295.0052	395.0094	627.5236	725.0315	570543.4700
2	21:57:30	237120.4100	42.5001	2560.3933	460.0127	375.0084	882.5467	795.0379	585385.4200
3	21:58:06	237288.4200	69.1670	3365.6795	605.0220	665.0265	985.0582	825.0408	592206.7400
4	21:58:43	240187.2200	62.5002	4456.1911	620.0231	815.0399	1117.5749	952.5544	594367.7500
5	21:59:20	240702.6100	61.6669	4010.9650	520.0162	715.0307	1052.5665	957.5550	601902.0100
x		237649.9500	52.1668	3216.6801	500.0158	593.0230	933.0540	851.0440	588881.0800
%RSD		1.301	34.790	34.585	26.354	33.312	20.541	11.946	2.008

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	21:56:53	210.0027	450.0122	1490.1332	ID 2832.9815	390.0091	147712.6400	1462.6283	142.5012
2	21:57:30	197.5023	507.5155	1777.6896	ID 2935.5169	677.5275	150107.3700	1487.6328	242.5035
3	21:58:06	215.0028	570.0195	1822.6993	ID 3170.6030	970.0565	150949.8800	1460.1279	322.5062
4	21:58:43	190.0022	622.5233	1677.6689	ID 3270.6417	1075.0693	153011.9800	1562.6465	410.0101
5	21:59:20	177.5019	600.0216	1825.1999	ID 3070.5656	1120.0753	154697.6800	1570.1479	330.0065
x		198.0024	550.0184	1718.6782	ID 3056.0618	846.5476	151295.9100	1508.6367	289.5055
%RSD		7.649	12.845	8.206	ID 5.754	36.375	1.776	3.571	35.001

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	21:56:53	57.5002	287.5050	132.5011	327.5064	39.1668	705.8632	55.0002	39.1668
2	21:57:30	100.0006	357.5077	127.5010	340.0069	47.5001	699.1960	49.1668	42.5001
3	21:58:06	117.5008	307.5057	157.5015	542.5177	61.6669	757.5344	66.6669	38.3334
4	21:58:43	102.5006	422.5107	150.0014	577.5200	60.0002	791.7043	71.6670	47.5001
5	21:59:20	122.5009	372.5083	110.0007	582.5204	66.6669	775.0360	53.3335	42.5001
x		100.0006	349.5075	135.5011	474.0143	55.0002	745.8668	59.1669	42.0001
%RSD		25.617	15.362	13.893	27.222	20.580	5.555	16.121	8.603

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	21:56:53	940458.1600	115.0008	2.5000	80.0004	16.2500	53.7502	1068510.7000	20.0000
2	21:57:30	964130.4400	137.5011	7.5000	96.2506	32.5001	95.0005	1104538.1000	10.0000
3	21:58:06	985291.7200	175.0018	2.5000	130.0010	32.5001	125.0009	1124003.9000	17.5000
4	21:58:43	995331.3000	182.5020	2.5000	163.7516	61.2502	146.2513	1137893.0000	20.0000
5	21:59:20	1008106.3000	201.2524	7.5000	148.7513	65.0003	126.2510	1153372.6000	15.0000
x		978663.5900	162.2516	4.5000	123.7510	41.5001	109.2508	1117663.7000	16.5000
%RSD		2.732	21.657	60.858	28.382	50.284	32.969	2.938	25.353

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	21:56:53	720.0311	15.0000	32.5001	1617718.3000	117.5008	327.5064	107.5007	100.0006
2	21:57:30	737.5326	25.0000	42.5001	T 1758046.7000	181.2520	400.0096	132.5011	185.0021
3	21:58:06	757.5344	37.5001	52.5002	1721070.1000	286.2549	636.2743	212.5027	182.5020
4	21:58:43	772.5358	42.5001	60.0002	1750958.1000	275.0045	710.0303	257.5040	220.0029
5	21:59:20	710.0303	42.5001	67.5003	1766045.5000	237.5034	633.7741	232.5032	157.5015
x		739.5329	32.5001	51.0002	T 1722767.7000	219.5031	541.5189	188.5023	169.0018
%RSD		3.492	37.290	27.205	T 3.549	31.994	30.861	34.554	26.351

Run	Time	208Pb	209Bi	220Bkg
1	21:56:53	247.5037	1159046.1000	0.0000
2	21:57:30	327.5064	1212269.7000	30.0001
3	21:58:06	467.5131	1240590.1000	0.0000
4	21:58:43	502.5152	1253199.4000	0.0000
5	21:59:20	435.0114	1276642.7000	0.0000
x		396.0100	1228349.6000	6.0000
%RSD		26.701	3.677	223.607

SDG/PREP GROUP# MH2697/EUS/1524 CONTINUED FROM PAGE#: 0127

Explanations:

Physical Description Log

CASE: 37402 **SDG:** MH2697 **DCL ID:** 8171027

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	7/1/2008 7:30	50 mL	50 mL	N/A	N/CL	N/CL	N/A	RKA
LCSW	↓	↓	↓	50 mL	50 mL	N/A	N/CL	N/CL	N/A	↓
MH2697	Water			50 mL	50 mL	<2	N/CL	N/CL	N/A	
MH2699				50 mL	50 mL	<2	N/CL	N/CL	N/A	
MH26A1				50 mL	50 mL	<2	N/CL	N/CL	N/A	
MH26A3				50 mL	50 mL	<2	N/CL	N/CL	N/A	
MH26A4				50 mL	50 mL	<2	N/CL	N/CL	N/A	
MH26A6				50 mL	50 mL	<2	N/CL	N/CL	N/A	
MH26A7				50 mL	50 mL	<2	N/CL	N/CL	N/A	
MH26A9				50 mL	50 mL	<2	N/CL	N/CL	N/A	
MH26B1				50 mL	50 mL	<2	N/CL	N/CL	N/A	
MH26B2				50 mL	50 mL	<2	N/CL	N/CL	N/A	
MH26B4				50 mL	50 mL	<2	N/CL	N/CL	N/A	
MH26B5				50 mL	50 mL	<2	N/CL	N/CL	N/A	
MH26B6				50 mL	50 mL	<2	N/CL	N/CL	N/A	
MH26B7				50 mL	50 mL	<2	N/CL	N/CL	N/A	
MH26B8				50 mL	50 mL	<2	N/CL	N/CL	N/A	
MH26B9				50 mL	50 mL	<2	N/CL	N/CL	N/A	
MH26C0				50 mL	50 mL	<2	N/CL	N/CL	N/A	
MH26C2				50 mL	50 mL	<2	N/CL	N/CL	N/A	
MH26C4				50 mL	50 mL	<2	N/CL	N/CL	N/A	
MH26C6	↓	↓	↓	50 mL	50 mL	<2	N/CL	N/CL	N/A	↓

COLOR			TEXTURE		CLARITY
BL = Black	GR = Gray	GN = Green		M = Medium	CL = Clear
Y = Yellow	R = Red	W = White		C = Coarse	CO = Cloudy

7/2/08 RKA

7/2/08 RKA

CONTINUED ON PAGE# X

Preparer Signature/Date: 7/2/08

Reviewer Signature/Date: 07/02/08

AIRBILL INFORMATION SHEET

There is no Airbill for this SDG.

The required notations concerning the location of the Air Bill is included in Forms DC-1, DC-2 and in the SDG Administrative Narrative (if it is required).

SAMPLE TAG INFORMATION SHEET

There are no Sample Tags included with this SDG
The TR/COC lists tag numbers and the DC-1 reflects this, however the Lab did not receive actual tags for this case. In the future communication between Sample Receipt and Log-in will include the status of the tags.

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: MH2697

☐ 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) MH2697	7) MH26A7	13) MH26B6	19) MH26C4
2) MH2699	8) MH26A9	14) MH26B7	20) MH26C6
3) MH26A1	9) MH26B1	15) MH26B8	21)
4) MH26A3	10) MH26B2	16) MH26B9	22)
5) MH26A4	11) MH26B4	17) MH26C0	23)
6) MH26A6	12) MH26B5	18) MH26C2	24)

MLL 6/19/08

MH2697
First Sample in SDG

MH26C6
Last Sample in SDG

06/18/08
First Sample Receipt Date

06/18/08
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 Edward

Date: 6/19/2008

DataChem Laboratories, Inc.
CHAIN-OF-CUSTODY

Project / Job / Task: P056L001 | ***Split:*** | **Workorder ID:** 8171027

Client: U. S. EPA Region 8 | **Account:** 08201

Comments:

Item	Collect Date/Time	Sample ID	Lab ID	QC	Matrix	Preservatives: HNO3	Containers: Count	Requested Analysis: LM05.4 ICP-MS, Water	LM05.4 Prep/Extr/Dig
1	6/5/2008 10:20	MH2697	8171027001		Water		1	X	X
2	6/5/2008 10:50	MH2699	8171027002		Water		1	X	X
3	6/5/2008 12:55	MH26A1	8171027003		Water		1	X	X
4	6/5/2008 13:20	MH26A3	8171027004		Water		1	X	X
5	6/5/2008 14:50	MH26A4	8171027005		Water		1	X	X
6	6/5/2008 14:00	MH26A6	8171027006		Water		1	X	X
7	6/5/2008 15:00	MH26A7	8171027007		Water		1	X	X
8	6/6/2008 11:00	MH26A9	8171027008		Water		1	X	X
9	6/6/2008 09:50	MH26B1	8171027009		Water		1	X	X
10	6/6/2008 10:30	MH26B2	8171027010		Water		1	X	X

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location
Edwards, Meredith D.	06/18/2008 08:15	DCL Sample Receiving	Sample Login
Meredith Edwards	6/19/08 1210	R-33-1 out	Tony
R-33-1 RKA	7/1/08 0730	[signature]	ICPMS Prep

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep / Analysis for: ICPMS | Lab Notebook No.: 339

Prepared / Analyzed by: RKA | Date / Time: 7/1/08 0730

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location
[signature]	07/07/08 08:00	[signature]	ICP-MS Analysis

DataChem Laboratories, Inc.
CHAIN-OF-CUSTODY

Project / Job / Task: P056L001 | *Split:* | **Workorder ID:** 8171027

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 PrepEstnDig
11	6/4/2008 18:55	MH26B4	8171027011		Water		1	X	X
12	6/4/2008 17:43	MH26B5	8171027012		Water		1	X	X
13	6/4/2008 17:08	MH26B6	8171027013		Water		1	X	X
14	6/3/2008 15:00	MH26B7	8171027014		Water		1	X	X
15	6/3/2008 12:55	MH26B8	8171027015		Water		1	X	X
16	6/3/2008 10:57	MH26B9	8171027016		Water		1	X	X
17	6/5/2008 10:54	MH26C0	8171027017		Water		1	X	X
18	6/5/2008 14:30	MH26C2	8171027018		Water		1	X	X
19	6/5/2008 14:37	MH26C4	8171027019		Water		1	X	X
20	6/6/2008 10:34	MH26C6	8171027020		Water		1	X	X

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location
Edwards, Meredith D.	06/18/2008 08:15	DCL Sample Receiving	Sample Login
[illegible]	6/18/08 1210	[illegible]	Storage
R-33-1 RKA	7/1/08 0730	[illegible]	ICPMS Prep

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep / Analysis for: ICPMS | Lab Notebook No.: ISP 339

Prepared / Analyzed by: RKA | Date / Time: 07/01/08 07:30

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location
[illegible]	07/07/08 08:00	[illegible]	ICP-MS ANALYSIS

Batch Worklist

DATA CHEM LABORATORIES, INC.

Batch EMS/ 1274 **Created** 7/14/2008 09:09 **HBN** 17624

Rule ILM ICP-MS Water Analysis **Analyst** N. Edwards **Status** WP

Workorder 8171027 **CASE** 37402 **SDG** MH2697 **MODN** 1554.1

Pos	Lab ID	Sample ID	Prep Initial	Prep Final	Mx	Type	Container	Procedure	Mgr	Expire Date	Due Date
1	57247	S0			3	STB		ILMMSW...3	5609	1/10/2009	7/7/2008
	*Run # MS208082										
2	57248	S2			3	STC		ILMMSW...3	5609	1/10/2009	7/7/2008
3	57249	S5			3	STD		ILMMSW...3	5609	1/10/2009	7/7/2008
4	57250	S10			3	STD		ILMMSW...3	5609	1/10/2009	7/7/2008
5	57251	S50			3	STD		ILMMSW...3	5609	1/10/2009	7/7/2008
6	57252	S200			3	STD		ILMMSW...3	5609	1/10/2009	7/7/2008
7	57253	S500			3	STD		ILMMSW...3	5609	1/10/2009	7/7/2008
8	57254	S1000			3	STD		ILMMSW...3	5609	1/10/2009	7/7/2008
9	57255	S1500			3	STD		ILMMSW...3	5609	1/10/2009	7/7/2008
10	57256	S2000			3	STD		ILMMSW...3	5609	1/10/2009	7/7/2008
11	57257	ICV			3	ICV		ILMMSW...3	5609	1/10/2009	7/7/2008
12	57258	ICB			3	ICB		ILMMSW...3	5609	1/10/2009	7/7/2008
13	57259	CRII			3	CRI		ILMMSW...3	5609	1/10/2009	7/7/2008
14	57260	ICSA			3	ICSA		ILMMSW...3	5609	1/10/2009	7/7/2008
15	57261	ICSAB			3	ICSAB		ILMMSW...3	5609	1/10/2009	7/7/2008
16	57262	CCV			3	CCV		ILMMSW...3	5609	1/10/2009	7/7/2008
17	57263	CCB			3	CCB		ILMMSW...3	5609	1/10/2009	7/7/2008
18	55567	PBW	50 mL	50 mL	3	PBW		ILMMSW...3	6085	12/28/2008	6/29/2008
19	55568	LCSW	50 mL	50 mL	3	LCSW		ILMMSW...3	6085	12/28/2008	6/29/2008
20	8171027001	MH2697	50 mL	50 mL	3	SAMPLE	8171027001-A	I54MSW...3	5936	12/15/2008	7/7/2008
21	57264	MH2697L			3	SD		ILMMSW...3	5609	12/15/2008	7/7/2008
22	8171027002	MH2699	50 mL	50 mL	3	SAMPLE	8171027002-A	I54MSW...3	5936	12/15/2008	7/7/2008
23	8171027003	MH26A1	50 mL	50 mL	3	SAMPLE	8171027003-A	I54MSW...3	5936	12/15/2008	7/7/2008
24	8171027004	MH26A3	50 mL	50 mL	3	SAMPLE	8171027004-A	I54MSW...3	5936	12/15/2008	7/7/2008
25	8171027005	MH26A4	50 mL	50 mL	3	SAMPLE	8171027005-A	I54MSW...3	5936	12/15/2008	7/7/2008
26	8171027006	MH26A6	50 mL	50 mL	3	SAMPLE	8171027006-A	I54MSW...3	5936	12/15/2008	7/7/2008
27	57265	CCV2			3	CCV		ILMMSW...3	5609	1/10/2009	7/7/2008
28	57266	CCB2			3	CCB		ILMMSW...3	5609	1/10/2009	7/7/2008

Pos	Lab ID	Sample ID	Prep Initial	Prep Final	Mx	Type	Container	Procedure	Mgr	Expire Date	Due Date
29	8171027007	MH26A7	50 mL	50 mL	3	SAMPLE	8171027007-A	I54MSW...3	5936	12/15/2008	7/7/2008
30	8171027008	MH26A9	50 mL	50 mL	3	SAMPLE	8171027008-A	I54MSW...3	5936	12/15/2008	7/7/2008
31	8171027009	MH26B1	50 mL	50 mL	3	SAMPLE	8171027009-A	I54MSW...3	5936	12/15/2008	7/7/2008
32	8171027010	MH26B2	50 mL	50 mL	3	SAMPLE	8171027010-A	I54MSW...3	5936	12/15/2008	7/7/2008
33	8171027011 *2x for Ca and Mn	MH26B4	50 mL	50 mL	3	SAMPLE	8171027011-A	I54MSW...3	5936	12/15/2008	7/7/2008
34	57267	CRIF			3	CRI		ILMMSW...3	5609	1/10/2009	7/7/2008
35	57268	CCV3			3	CCV		ILMMSW...3	5609	1/10/2009	7/7/2008
36	57269	CCB3			3	CCB		ILMMSW...3	5609	1/10/2009	7/7/2008
37	8171027012 *2x for Ca	MH26B5	50 mL	50 mL	3	SAMPLE	8171027012-A	I54MSW...3	5936	12/15/2008	7/7/2008
38	8171027013 *2x for Ca	MH26B6	50 mL	50 mL	3	SAMPLE	8171027013-A	I54MSW...3	5936	12/15/2008	7/7/2008
39	8171027014	MH26B7	50 mL	50 mL	3	SAMPLE	8171027014-A	I54MSW...3	5936	12/15/2008	7/7/2008
40	8171027015 *2x for Ca and Mn, 20x for Zn	MH26B8	50 mL	50 mL	3	SAMPLE	8171027015-A	I54MSW...3	5936	12/15/2008	7/7/2008
41	8171027016 *4x for Zn	MH26B9	50 mL	50 mL	3	SAMPLE	8171027016-A	I54MSW...3	5936	12/15/2008	7/7/2008
42	8171027017	MH26C0	50 mL	50 mL	3	SAMPLE	8171027017-A	I54MSW...3	5936	12/15/2008	7/7/2008
43	8171027018	MH26C2	50 mL	50 mL	3	SAMPLE	8171027018-A	I54MSW...3	5936	12/15/2008	7/7/2008
44	8171027019	MH26C4	50 mL	50 mL	3	SAMPLE	8171027019-A	I54MSW...3	5936	12/15/2008	7/7/2008
45	8171027020	MH26C6	50 mL	50 mL	3	SAMPLE	8171027020-A	I54MSW...3	5936	12/15/2008	7/7/2008
46	57270	CCV4			3	CCV		ILMMSW...3	5609	1/10/2009	7/7/2008
47	57271	CCB4			3	CCB		ILMMSW...3	5609	1/10/2009	7/7/2008
48	57272	CRIF2			3	CRI		ILMMSW...3	5609	1/10/2009	7/7/2008
49	57273	CCV5			3	CCV		ILMMSW...3	5609	1/10/2009	7/7/2008
50	57274	CCB5			3	CCB		ILMMSW...3	5609	1/10/2009	7/7/2008

Batch Worklist

DATA CHEM LABORATORIES, INC.

Batch EMS/ 1254 **Created** 7/1/2008 10:32 **HBN** 17246

Rule ILM ICP-MS HW3 Prep **Analyst** R. Aullman **Status** NA

Workorder 8171027 **CASE** 37402 **SDG** MH2697 **MODN** 1554.1

Pos	Lab ID	Sample ID	Prep Initial	Prep Final	Mx	Type	Container	Procedure	Mgr	Expire Date	Due Date
1	55567	PBW			3	PBW		ILMMSW..3P	6085	12/28/2008	6/24/2008
2	55568	LCSW			3	LCSW		ILMMSW..3P	6085	12/28/2008	6/24/2008
3	8171027001	MH2697			3	SAMPLE	8171027001-A	I54MSW..3P	5936	12/15/2008	6/24/2008
4	8171027002	MH2699			3	SAMPLE	8171027002-A	I54MSW..3P	5936	12/15/2008	6/24/2008
5	8171027003	MH26A1			3	SAMPLE	8171027003-A	I54MSW..3P	5936	12/15/2008	6/24/2008
6	8171027004	MH26A3			3	SAMPLE	8171027004-A	I54MSW..3P	5936	12/15/2008	6/24/2008
7	8171027005	MH26A4			3	SAMPLE	8171027005-A	I54MSW..3P	5936	12/15/2008	6/24/2008
8	8171027006	MH26A6			3	SAMPLE	8171027006-A	I54MSW..3P	5936	12/15/2008	6/24/2008
9	8171027007	MH26A7			3	SAMPLE	8171027007-A	I54MSW..3P	5936	12/15/2008	6/24/2008
10	8171027008	MH26A9			3	SAMPLE	8171027008-A	I54MSW..3P	5936	12/15/2008	6/24/2008
11	8171027009	MH26B1			3	SAMPLE	8171027009-A	I54MSW..3P	5936	12/15/2008	6/24/2008
12	8171027010	MH26B2			3	SAMPLE	8171027010-A	I54MSW..3P	5936	12/15/2008	6/24/2008
13	8171027011	MH26B4			3	SAMPLE	8171027011-A	I54MSW..3P	5936	12/15/2008	6/24/2008
14	8171027012	MH26B5			3	SAMPLE	8171027012-A	I54MSW..3P	5936	12/15/2008	6/24/2008
15	8171027013	MH26B6			3	SAMPLE	8171027013-A	I54MSW..3P	5936	12/15/2008	6/24/2008
16	8171027014	MH26B7			3	SAMPLE	8171027014-A	I54MSW..3P	5936	12/15/2008	6/24/2008
17	8171027015	MH26B8			3	SAMPLE	8171027015-A	I54MSW..3P	5936	12/15/2008	6/24/2008
18	8171027016	MH26B9			3	SAMPLE	8171027016-A	I54MSW..3P	5936	12/15/2008	6/24/2008
19	8171027017	MH26C0			3	SAMPLE	8171027017-A	I54MSW..3P	5936	12/15/2008	6/24/2008
20	8171027018	MH26C2			3	SAMPLE	8171027018-A	I54MSW..3P	5936	12/15/2008	6/24/2008
21	8171027019	MH26C4			3	SAMPLE	8171027019-A	I54MSW..3P	5936	12/15/2008	6/24/2008
22	8171027020	MH26C6			3	SAMPLE	8171027020-A	I54MSW..3P	5936	12/15/2008	6/24/2008

GENERAL

Redigestion? (Y/N): N Original Bk/Pg: NA

DCL Set ID	Sample ID / TCLP Write-up Bk/Pg	Analytes	Account
8171027	MH2697,9,A1,3,4,6,7,9,B1,2,4-9,C0,2,4,6	ICP-MS	8201

Prep Group # EMS-1254

Hood: ICPMS#33

Micro: NA

SDG: MH2697

Case: 37402

Sample Description (Bk/Pg): water 339/128

7/1/08 RKA

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	↓	IP-PS-07-023 (2261/91)	2163121	1 mL

7/1/08 RKA

QC's spiked by: RKA Witness: NA

METHOD INFORMATION

Method reagents/Lots ID's:
1 mL of 1:1 HNO_3/1207010 MS-08-154 (4184/31)
pipette: 2163121
0.5 mL of 1:1 HCl/4207040 Prepared as needed
pipette: 279094

Balance ID: NA
Samples measured using: 50 mL poly propylene 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) ~~N~~ Y 7/1/08 RKA WHAT/WHY: ~~NA~~ 7/1/08 RKA No MDIMS prepared due to lack of sample volume.

7/1/08 07:30 [illegible] Retrieved samples from R-33-1 and allowed them to come to room ~~temperature~~ 7/1/08 RKA, Labelled and rinsed digestion tubes. Transferred 50 mL aliquots of each sample to digestion tubes. Added 1 mL of 1:1 HNO_3 and 0.5 mL of 1:1 HCl to each sample. Spiked LCSW as per above. Put watchglasses on samples. Put samples into hotblock at 1200. Temperature was checked when samples were put into hotblock and found to be 93.0°C. Samples were reduced to ~20 mL and removed from hotblock. Allowed samples to cool overnight with screw caps on. 7/1/08 1730 [illegible] 7/2/08 0930 [illegible] Placed samples in hotblock to reflux from 9:30 to 10:00. Diluted samples to 50 mL with ASTM Type II H_2O. Shook them, and delivered them for analysis. 7/2/08 10:30 [illegible]

METHOD/DCL SOP USED (Include revision): ILM05.4 HW3 CONTINUED ON PAGE #: 128

Preparer Signature/Date: [illegible] 7/2/08

Reviewer Signature/Date: [illegible] 07/02/08

Project No. NA

TITLE DataChem Laboratories - ICP-MS solutions Logbook

Book No. 4184

From Page No. 36

Date	ICP-MS Solution #	Solution Type	Primary Solution ID # (Book/Page)	Expiration Date	Recipe Page	Acid Lots	Init.	Comments
06/25/08	MS-08-153	5.4 CRI	IP-PS-08-041 (2261/98)	06/26/08	2	HNO_3-1207120	KB	NA
06/25/08	MS-08-154	1:1 HNO_3	NA	12/25/08	2	HNO_3-1207120	KB	NA
06/25/08	MS-08-155	1:4 HCl	NA	12/25/08	2	HCl-4207040	KB	NA
06/26/08	MS-08-156	5.4 CRI	IP-PS-08-041 (2261/98)	06/27/08	2	HNO_3-1207120	KE	NA
↓	MS-08-157	Rinse 2%/0.05%	NA	12/26/08	1	HNO_3-1207120 HCl-4207040	KE	NA
↓	MS-08-158	VARIONE Rinse	IP-PS-08-07-115 (2261/94) Solution 12/26/08	12/26/08	1	HNO_3-1207120	KE	NA
06/26/08	MS-08-159	2%/0.05%	NA	12/26/08	1	HNO_3-1207120 HCl-4207040	KB	NA
06/27/08	MS-08-160	SO_4 Urine	UriSub Lot # U5082 0042	12/27/08	2	HNO_3-1207120	KB	NA
07/01/08	MS-08-161	1% HNO_3	NA	01/01/09	2	HNO_3-1207120	KB	NA
07/01/08	MS-08-162	VarIS	IP-PS-08-023 (2261/97)	01/01/09	1	HNO_3-1207120	KB	NA
07/01/08	MS-08-163	5.4 CRI	IP-PS-08-041 (2261/98)	07/02/08	2	HNO_3-1207120	KB	NA

To Page No.

Witnessed & Understood by me, | Date | Invented by | Date

Recorded by

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 REC'D.	DATE OPENED	DATE EXPIRES	INIT.
(CLPP-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
726 ↓ 03/07/07	Co, Mn, Ni, V, Zn	500 ug/mL	↓	↓	↓	↓	↓	↓
	Cu / Cr3	250 ug/mL / 200 ug/mL						
	Ag, Be	50 ug/mL						
(CLPP-SPL-S) IP-PS-07-015	Sb / Cd, Se, Tl	100 ug/mL / 50 ug/mL	INORGANIC VENTURES	Z-CLCP180071	03/07/07	03/07/07	04/01/08	KE
726 ↓	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,	1 ug/mL						
	Ni, Pb, Tl	↓						
ISS IP-PS-07-017	Bi, Ho, In, Li, 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, Li, 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	Se Al, Ca / 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,	200 ug/mL	↓	↓	↓	↓	↓	↓
	Ti, V, Y, Zn, Zr, La	200 ug/mL						
6010 ICV IP-PS-07-020	K, Na / Fe, P	2000 ug/mL / 200 ug/mL	CPI	07C088	04/01/07	04/18/07	09/08/08	KE
↓	Ba, Ca, Pb, Sc, Tl, Al, As, Mg, B	400 ug/mL	↓	↓	↓	↓	↓	↓
	Ag, Be, Cd, Co, Cr, Cu, Mn, Ni	100 ug/mL						
	V, Zn, Sr, 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~~ 10/04/08 (KE 04/20/07)	KE

To Page No. 92

Witnessed & Understood by me, Kristie Batten — Date 04/20/07

Invented by — Date

Recorded by [signature] — 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.

Project No. N/A

TITLE DATACHEM LABORATORIES - ANALYSIS WRITE-UPS LOG BOOK

Book No. 4706

From Page No. X

Results File: MS208082

MOD# 1554.1

Workorder ID	Sample #'s	Analytes	Prep Write-up(Bk./Pg.)	Prep Date/Time	Analysis HBN #	Account #
81710207	MH2697,99,A1,A3,A4,A6,A7,A9,B1, B2,B4-B9;C0,C2,C4,C6	#1/Water	ISP 339/0127, 128	07/01/08 07:30	17624	8201

#1 = 44Ca

CALIBRATION AND QC STANDARDS UTILIZED:

	ID #	Book/Page
Calibration Std S0/ICB/CCB(1% HNO_3)	MS-08-169	4184/37
Calibration Std (S2)	25X of EI-SS-08-140	4721/40
Calibration Std (S5)	10X of EI-SS-08-140	4721/40
Calibration Std (S10)	5X of EI-SS-08-140	4721/40
Calibration Std (S50)	EI-SS-08-140	4721/40
Calibration Std (S200)	EI-SS-08-141	4721/41
Calibration Std (S500)	EI-SS-08-142	4721/42
Calibration Std (S1000)	EI-SS-08-143	4721/43
Calibration Std (S1500)	EI-SS-08-148	4721/48
Calibration Std (S2000)	EI-SS-08-149	4721/49
ICV	EI-SS-08-144	4721/44
CRI	MS-08-177	4184/37
ICSA	EI-SS-08-145	4721/45
ICSAB	EI-SS-08-146	4721/46
CCV	EI-SS-08-147	4721/47
Internal Standards	MS-08-162	4184/37
Rinse	MS-08-174	4184/37

SDG: MH2697
CASE: 37402
Prep Method: HW3
Analysis Method: ILM05.4
Analysis Date: 07/07/08
Instrument ID: ICPM02

Scanning Mode: Peak Jumping
Sweeps: 40
Channels per Mass: 1
Acquisition Duration: 38467
Channel Spacing: 0.02
Replicates: 5

Instrument Parameters:

Major		Minor		Global	
Extraction:	-145	Lens 2:	-44.7	Standard Resolution:	155
Lens 1:	2.9	Lens 3:	-142.7	High Resolution:	115
Focus:	24.1	Forward Power:	1404	Analogue Detector:	1549
D1:	-34.5	Horizontal:	100	PC Detector:	3020
Pole Bias:	2.5	Vertical:	475		
Hexapole Bias:	4.5	D2:	-160		
Nebuliser:	0.74	DA:	-80.0		
Sample Depth:	105	Cool:	13.0		
		Auxiliary:	0.80		

Comments: S2 was prepared by taking 9.6 mL of MS-08-169 (4184/37) and adding 0.4 mL of EI-SS-08-140 (4721/40) and mixing in a 14 mL Falcon tube.
S5 was prepared by taking 9.0 mL of MS-08-169 (4184/37) and adding 1.0 mL of EI-SS-08-140 (4721/40) and mixing in a 14 mL Falcon tube.
S10 was prepared by taking 8.0 mL of MS-08-169 (4184/37) and adding 2.0 mL of EI-SS-08-140 (4721/40) 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.

A Cross Calibration was performed using solution MS-08-165 (4184/37), before the performance report.
A Performance report was done to tune the instrument using "ILM05.3" and solution MS-08-178 (4184/37), before calibration.

A Serial Diluton was done by combining 4 mL of MS-08-169 (4184/37) and 1 mL of MH2697 in a 14 mL Falcon Tube.
No Matrix Duplicate or Matrix Spike was done, due to lack of sample volume.

Sample MH26B4 required a 2x dilution for 44Ca and 55Mn, due to results above the linear ranges.
Samples MH26B5 and MH26B6 required 2x dilutions for 44Ca, due to results above the linear range.
Sample MH26B8 required a 2x dilution for 44Ca and 55Mn, due to results above the linear ranges.
Sample MH26B8 required a 20x dilution for 66Zn, due to results above the linear range.
Sample MH26B9 required a 4x dilution for 66Zn, due to results above the linear range.
The 2x dilutions were done by taking 3 mL of sample and 3 mL of MS-08-169 (4184/37) in a 14 mL Falcon tube.
The 4x dilution was done by taking 2.5 mL of sample and 7.5 mL of MS-08-169 (4184/37) in a 14 mL Falcon tube.
The 20x dilution was done by taking 0.5 mL of samnple and 9.5 of MS-08-169 (4184/37) in a 14 mL Falcon tube.

CCV failed for 27Al at 126%.
CCB failed for 27Al at 25.799 and 57Fe at 13.149, due to carryover from the ICSA and ICSAB.

07/14/08

To Page No. X

Witnessed & Understood by me,	Date	Invented by:	Date
Kristie Bitter	07/14/08	Recorded by:	07/14/08

Project No. N/A

TITLE Datachem Laboratories - ICPMOZ Instrument Run Logbook Book No. 4183

From Page No. 17

Date	Time On	Time Off	Total Time	Method	Matrix	Act #	Set ID's / Comments	# of Samples	Run #	Init.
07/07/08	16:11	21:56	345 MIN	ILM05.4	WATER	8201	8171027 MOD 1554.1 MH2697	20	MS208082	NE
07/07/08	23:21	04:23	302 MIN	ILM06.4	WATER	8201	8171001 MOD 1554.1 MH2599	19	MS208083	NE
07/08/08	09:52	11:58	126 MIN	ILM05.4	WATER	8201	8171001 Ca, Zn DILUTIONS MH2599	3	MS208084	NE.
07/08/08	15:55	20:55	300 MIN	ILM05.4	WATER	8201	8172023, 8172024 MA2GW6	17	MS208085	NE
07/08/08	21:20	01:23	243 MIN	ILM 05.4	WATER	8201	8172020, 8172021, 8176116 MA2GY0	15	MS208086	NE
07/09/08	15:07	17:06	119 MIN	ILM 05.4	WATER	8201	Ca + Mn DILUTIONS	6	MS208087	NE
07/09/08	19:46	22:11	265 MIN	ILM05.4	WATER	8201	8176115 MA2GT7	18	MS208088	NE
07/09/08	22:57	04:52							MS208089	
07/10/08	12:40	16:56		ILM06.4	Water	8201	8171038, 8171039, 8171020 MH2568, MH2608, MH2505	7	MS208090	KB

To Page No.

Witnessed & Understood by me,	Date	Invented by	Date
		Recorded by	

From Page No. 36 Date	ICP-MS Solution #	Solution Type	Primary Solution ID # (Book/Page)	Expiration Date	Recipe Page	Acid Lots	Init.	Comments
06/25/08	MS-08-153	5.4 CRI	IP-PS-08-041 (2261/98)	06/26/08	2	HNO_3-1207120	KB	NA
06/25/08	MS-08-154	1:1 HNO_3	NA	12/25/08	2	HNO_3-1207120	KB	NA
06/25/08	MS-08-155	1:4 HCl	NA	12/25/08	2	HCl-4207040	KB	NA
06/26/08	MS-08-156	5.4 CRI	IP-PS-08-041 (2261/98)	06/27/08	2	HNO_3-1207120	KE	NA
	MS-08-157	Rinse 2%/0.05%	NA	12/26/08	1	HNO_3-1207120 HCl-4207040	KE	NA
	MS-08-158	VARTUNE	IP-PS-08-07-115 (2261/94) 12/26/08	12/26/08	1	HNO_3-1207120	KE	NA
06/26/08	MS-08-159	Rinse 2%/0.05%	NA	12/26/08	1	HNO_3-1207120 HCl-4207040	KB	NA
06/27/08	MS-08-160	50 Urine	UriSub Lot # U50820042	12/27/08	2	HNO_3-1207120	KB	NA
07/01/08	MS-08-161	1:1 HNO_3	NA	01/01/09	2	HNO_3-1207120	KB	NA
07/01/08	MS-08-162	Var IS	IP-PS-08-023 (2261/97)	01/01/09	1	HNO_3-1207120	KB	NA
07/01/08	MS-08-163	5.4 CRI	IP-PS-08-041 (2261/98)	07/02/08	2	HNO_3-1207120	KB	NA
07/01/08	MS-08-164	Rinse 2%/0.05%	NA	01/01/09	1	HNO_3-1207120 HCl-4207040	KE	NA
07/01/08	MS-08-165	X-CAL	IP-PS-07-107 (2261/94)	01/01/09	2	HNO_3-1207120	KE	USED 0.75mL FOR TEST
07/01/08	MS-08-166	VARTUNE	IP-PS-07-115 (2261/94)	01/01/09	1	HNO_3-1207120	KE	NA
07/02/08	MS-08-167	Var Tune	IP-PS-07-115 (2261/94)	(01/02/09)	1	HNO_3-1207120	KB	NA
07/02/08	MS-08-168	Var Tune	IP-PS-07-115 (2261/94)	01/02/09	1	HNO_3-1207120	KB	NA
07/02/08	MS-08-169	1% HNO_3	NA	01/02/09	2	HNO_3-1207120	KE	NA
07/02/08	MS-08-170	5.4 CRI	IP-PS-08-041 (2261/98)	07/03/08	2	HNO_3-1207120	KE	NA
07/03/08	MS-08-171	5.4 CRI	IP-PS-08-041 (2261/98)	07/04/08	2	HNO_3-1207120	KB	NA
07/04/08	MS-08-172	5.4 CRI	IP-PS-08-041 (2261/98)	07/05/08	2	HNO_3-1207120	KB	NA
07/07/08	MS-08-173	Var Tune	IP-PS-07-115 (2261/94)	01/07/09	1	HNO_3-1207120	KB	NA
07/07/08	MS-08-174	Rinse 2%/0.05%	NA	01/07/09	1	HNO_3-1207120 HCl-4207040	KB	NA
07/07/08	MS-08-175	Rinse 2%/0.05%	NA	01/07/09	1	HNO_3-1207120 HCl-4207040	KB	NA
07/07/08	MS-08-176	Var IS	IP-PS-08-024 (2261/97)	01/07/09	1	HNO_3-1207120	KB	NA
07/07/08	MS-08-177	5.4 CRI	IP-PS-08-041 (2261/98)	07/08/08	2	HNO_3-1207120	KB	NA
07/08/08	MS-08-178	Var Tune	IP-PS-07-115 (2261/94)	01/08/08	1	HNO_3-1207120	KB	NA
07/08/08	MS-08-179	Rinse 2%/0.05%	NA	01/08/08	1	HNO_3-1207120 HCl-4207040	KB	NA
07/08/08	MS-08-180	Var IS	IP-PS-08-024 (2261/97)	01/08/08	1	HNO_3-1208030	KB	NA
07/08/08	MS-08-181	5.4 CRI	IP-PS-08-041 (2261/98)	07/09/08	2	HNO_3-1208030	KE	NA
07/09/08	MS-08-182	Var Tune	IP-PS-07-115 (2261/94)	01/09/08	1	HNO_3-1207120	KB	NA
07/09/08	MS-08-183	Var Tune	IP-PS-07-115 (2261/94)	01/09/08	1	HNO_3-1207120	KB	NA
07/09/08	MS-08-184	X-CAL	IP-PS-07-107 (2261/94)	01/09/09	2	HNO_3-1207120	KE	USED 0.75 mL
07/09/08	MS-08-185	VAR TUNE	IP-PS-07-115 (2261/94)	01/09/09	1	HNO_3-1207120	KE	NA
07/09/08	MS-08-186	5.4 CRI	IP-PS-08-041 (2261/98)	07/10/09	2	HNO_3-1207120	KE	NA
07/09/08	MS-08-187	6020 Tune	IP-PS-08-116 (2261/94)	01/09/09	1	HNO_3-1208030	KB	NA

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Witnessed & Understood by me, Date Invented by Date 07/09/08

Recorded by Kristi Bittner

Project No. N/A

TITLE DATACHEM LABORATORIES - ICP-MS SOLUTIONS LOGBOOK. Book No. 4184

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RECIPES

5.3CRI = USE "CLP-MS-CRQL-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 AE 4/13/04 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.
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 ug/L ^{6}Li, Sc; 20 ug/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 AE 4/13/04 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.
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 Bettini	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 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 δO, 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 1L 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.

KB 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

δO-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.

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Witnessed & Understood by me,	Date	Invented by	Date
		Recorded by	

Project No. NA

TITLE Datachem Laboratories - Secondary Standards Log book

Book No. 4721

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ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-140	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: 07/01/2008

Expiration date: 07/15/2008

Date verified:

Verified by:

Verification data found in File#: 18 07/02/08

Verification instrument: ICPM02

Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

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

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Witnessed & Understood by me, [signature] Date 07/02/08

Invented by:

Recorded by: [signature] Date 07/02/08

Project No. ~~~

TITLE DataChem Laboratories-Secondary Standards Log book

Book No. 4721

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ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-141	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: 07/01/2008

Expiration date: 07/15/2008

Date verified:

Verified by:

Comments: None.

Solution Replaces: N/A

Verification data found in File#:

Verification instrument: ICPM02

Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

KB 07/02/08

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]	07/02/08	Recorded by: Kristie Peters	07/02/08

Project No. na

TITLE DataChem Laboratories Secondary Standards Logbook

Book No. 4721

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ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-142	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: 07/01/2008

Expiration date: 07/15/2008

Date verified:

Verified by:

Comments: None.

Solution Replaces: N/A

Verification data found in File#:

Verification instrument: ICPM02

Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

KB 07/02/08

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]	07/02/08	Recorded by: [signature]	07/02/08

Project No. ILL
TITLE DataChem Laboratories - Secondary Standards Logbook
Book No. 4721

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ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-143	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: 07/01/2008
Expiration date: 07/15/2008
Date verified:
Verified by:
Comments: None.
Solution Replaces: N/A

Verification data found in File#:
Verification instrument: ICPM02
Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

KB 07/02/08

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]	07/02/08	Recorded by: Kristie Bates	07/02/08

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-08-148	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				
Sb				
As		KB 7/2/08		
Ba				
Be				
Cd				
Ca	IP-PS-07-055 (2261/92)	10,000 µg/mL	0.015 mL	1500 µg/L
Cr				
Co		KB 7/2/08		
Cu				
Fe	IP-PS-07-060 (2261/92)	10,000 µg/mL	0.015 mL	1500 µg/L
Pb		KB 7/2/08		
Mg	IP-PS-07-063 (2261/92)	10,000 µg/mL	0.015 mL	1500 µg/L
Mn				
Ni				
K				
Se				
Ag		KB 7/2/08		
Na				
Tl				
V				
Zn				

FINAL VOL.: 100 mL

Date Made: 07/02/2008
Expiration date: 07/16/2008
Date verified:
Verified by:
Comments: None.
Solution Replaces: N/A

Verification data found in File#:
Verification instrument: ICPM02
Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

KB 07/02/08

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]	07/02/08	Recorded by: Kristie Bates	07/02/08

Project No. na

TITLE DataChem Laboratories Secondary Standards Logbook

Book No. 4721

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ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-149	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				
Sb				
As		KB 7/2/08		
Ba				
Be				
Cd				
Ca	IP-PS-07-055 (2261/92)	10,000 µg/mL	0.020 mL	2000 µg/L
Cr				
Co		KB 7/2/08		
Cu				
Fe	IP-PS-07-060 (2261/92)	10,000 µg/mL	0.020 mL	2000 µg/L
Pb		KB 7/2/08		
Mg	IP-PS-07-063 (2261/92)	10,000 µg/mL	0.020 mL	2000 µg/L
Mn				
Ni				
K				
Se				
Ag				
Na		KB 7/2/08		
Tl				
V				
Zn				
			FINAL VOL.:	100 mL

Date Made: 07/02/2008

Expiration date: 07/16/2008

Date verified:

Verified by:

Comments: None.

Solution Replaces: N/A

Verification data found in File#:

Verification instrument: ICPM02

Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

KB 07/02/08

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

To Page No. 1

Witnessed & Understood by me,	Date	Invented by:	Date
[signature]	07/02/08	Recorded by: Kristie Baker	07/02/08

Project No. 11

TITLE DataChem Laboratories-Secondary Standards Log book

Book No. 9721

From Page No. 1

ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-144	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: 07/01/2008
Expiration date: 07/15/2008
Date verified:
Verified by:
Comments: None.
Solution Replaces: N/A

Verification data found in File#:
Verification instrument: ICPM02
Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

ICV-1 (1201)

KB 07/02/08

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

To Page No. 1

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[signature]	07/02/08	Recorded by: [signature]	07/02/08

Project No. —
TITLE DataChem Laboratories Secondary Standards Logbook
Book No. 4721

From Page No. x

ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-145	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: 07/01/2008
Expiration date: 07/15/2008
Date verified:
Verified by:
Comments: None.
Solution Replaces: N/A

Verification data found in File#:
Verification instrument: ICPM02
Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

ICS-MS (0803)

KB 07/02/08

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

To Page No. x

Witnessed & Understood by me,	Date	Invented by:	Date
[signature]	07/02/08	Recorded by: [signature]	07/02/08

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-08-146	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: 07/01/2008

Expiration date: 07/15/2008

Date verified:

Verified by:

Comments: None.

Solution Replaces: N/A

Verification data found in File#:

Verification instrument: ICPM02

Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

ICS-MS (0803)

KB 07/02/08

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

To Page No. x

Witnessed & Understood by me,	Date	Invented by:	Date
[signature]	07/02/08	Recorded by: Kristie Better	07/02/08

Project No. NA

TITLE DataChem Laboratories-secondary Standards Log book

Book No. 4721

From Page No. x

ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-151	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-08-021 (2261/97)	20 µg/mL	2.5 mL	250 µg/L
Sb	IP-PS-08-021 (2261/97)	20 µg/mL	2.5 mL	250 µg/L
As	IP-PS-08-021 (2261/97)	20 µg/mL	2.5 mL	250 µg/L
Ba	IP-PS-08-021 (2261/97)	20 µg/mL	2.5 mL	250 µg/L
Be	IP-PS-08-021 (2261/97)	20 µg/mL	2.5 mL	250 µg/L
Cd	IP-PS-08-021 (2261/97)	20 µg/mL	2.5 mL	250 µg/L
Ca	IP-PS-08-021 (2261/97) IP-PS-07-104 (2261/94)	20 µg/mL 200 µg/mL	2.5 mL 0.75 mL	1000 µg/L
Cr	IP-PS-08-021 (2261/97)	20 µg/mL	2.5 mL	250 µg/L
Co	IP-PS-08-021 (2261/97)	20 µg/mL	2.5 mL	250 µg/L
Cu	IP-PS-08-021 (2261/97)	20 µg/mL	2.5 mL	250 µg/L
Fe	IP-PS-08-021 (2261/97) IP-PS-07-104 (2261/94)	20 µg/mL 200 µg/mL	2.5 mL 0.75 mL	1000 µg/L
Pb	IP-PS-08-021 (2261/97)	20 µg/mL	2.5 mL	250 µg/L
Mg	IP-PS-08-021 (2261/97) IP-PS-07-104 (2261/94)	20 µg/mL 200 µg/mL	2.5 mL 0.75 mL	1000 µg/L
Mn	IP-PS-08-021 (2261/97)	20 µg/mL	2.5 mL	250 µg/L
Ni	IP-PS-08-021 (2261/97)	20 µg/mL	2.5 mL	250 µg/L
K	IP-PS-08-021 (2261/97) IP-PS-07-104 (2261/94)	20 µg/mL 200 µg/mL	2.5 mL 0.75 mL	1000 µg/L
Se	IP-PS-08-021 (2261/97)	20 µg/mL	2.5 mL	250 µg/L
Ag	IP-PS-08-021 (2261/97)	20 µg/mL	2.5 mL	250 µg/L
Na	IP-PS-08-021 (2261/97) IP-PS-07-104 (2261/94)	20 µg/mL 200 µg/mL	2.5 mL 0.75 mL	1000 µg/L
Tl	IP-PS-08-021 (2261/97)	20 µg/mL	2.5 mL	250 µg/L
V	IP-PS-08-021 (2261/97)	20 µg/mL	2.5 mL	250 µg/L
Zn	IP-PS-08-021 (2261/97)	20 µg/mL	2.5 mL	250 µg/L
			FINAL VOL.:	200 mL

Date Made: 07/08/2008

Expiration date: 07/22/2008

Date verified:

Verified by:

Comments: None.

Solution Replaces: N/A

Verification data found in File#:

Verification instrument: ICPM02

Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

KB 07/08/08

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

To Page No. x

Witnessed & Understood by me,	Date	Invented by:	Date
	07/08/08	Recorded by: Kristie Bates	07/08/08

Project No. N/A

TITLE DATA CHEM LABORATORIES - PRIMARY STANDARDS LOGBOOK

Book No. 2261

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DCL SOLUTION #	ANS/INTES	CONCENTRATION	VENDOR	LOT #	DATE RECD.	DATE OPENED	DATE EXPIRES	INIT.
IP-PS-07-013/14 (Lot#-07-1) 775 RE03/17/07	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
	Co, Mn, Ni, V, Zn	500 ug/mL						
	Cu / Cr3	250 ug/mL / 200 ug/mL						
	Mg, Be	50 ug/mL						
IP-PS-07-015 (Lot#-07-1) 776	Sb / Cd, Se, Tl	100 ug/mL / 50 ug/mL	INORGANIC VENTURES	Z-CLCP18071	03/07/07	03/07/07	04/01/08	KE
	As / Pb	40 ug/mL / 20 ug/mL						
IP-PS-07-016 CCI 3.4	Ba / Se, V	10 ug/mL / 5 ug/mL	Inorganic Ventures	A2-MEB194150	03/29/07	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							
IP-PS-07-017 ISS	Bi, Ho, In, Li, Rh, Sc, Tb, Y	10 ug/mL	Inorganic Ventures	Z-MEB194055	03/28/07	03/29/07	05/01/08	KB
IP-PS-07-018 ISS	Bi, Ho, In, Li, 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	Se, Al, Ca / 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,	200 ug/mL						
	Ti, V, Y, Zn, Zr, Cu	200 ug/mL						
IP-PS-07-020 600 ICV	K, Na / Fe, P	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	400 ug/mL						
	Ag, Be, Cd, Co, Cr, Cu, Mn, Ni	100 ug/mL						
	V, Zn, Sr, Li							
IP-PS-07-021	Sb, Mo, Sn, Ti, Si	400 ug/mL, 100 ug/mL	CPI	07C089	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~~ 04/20/08	KE

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Witnessed & Understood by me, Kristie Bitner

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.

Project No. N/A

TITLE DATACHEM LABORATORIES- PRIMARY STANDARDS LOGBOOK

Book No. 2261

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DCL SOLUTION#	ANALYTES.	CONCENTRATION	VENDOR	LOT #	DATE RECD	DATE OPENED	DATE EXPIRES	INIT.
IP-PS-07-037	Cr	10,000 ug/mL	CPI	07A104	04/01/07	04/20/07	10/04/08	KE
IP-PS-07-038	Ni	10,000 ug/mL	CPI	07B236	04/01/07	04/20/07	09/30/08	KE
IP-PS-07-039	Pt	10,000 ug/mL	CPI	06D247	04/01/07	04/20/07	09/30/08	KE
IP-PS-07-040	Sb	10,000 ug/mL	CPI	06D239	04/01/07	04/20/07	09/30/08	KE
IP-PS-07-041	Si	10,000 ug/mL	CPI	06J226	04/01/07	04/20/07	10/04/08	KE
IP-PS-07-042	Ti	10,000 ug/mL	CPI	06I044	04/01/07	04/20/07	09/30/08	KE
IP-PS-07-043	W	1,000 ug/mL	CPI	06L114	04/01/07	04/20/07	09/30/08	KE
IP-PS-07-044	Zr	1,000 ug/mL	CPI	07C203	04/01/07	04/20/07	09/30/08	KE
6020 std IP-PS-07-045	Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr3, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Tl, V, Zn	20.00 ug/mL	Inorganic Ventures	Z-MEB194104	05/29/07	05/29/07	06/01/08	KB
ICP-MS CLP Spike IP-PS-07-046	Al, Ba/Ca, Mn, Ni, V, Zn Cu / Cr3 Sb/Ag, Be, Cd, Tl As/Pb/Se	200ug/mL / 50ug/mL 25ug/mL/20ug/mL 10ug/mL/5ug/mL 4ug/mL/2ug/mL/1ug/mL	Inorganic Ventures	A2-MEB194119	05/29/07	05/29/07	06/01/08	KB
6020 ISS IP-PS-07-047	Bi, Ho, In, Li6, Rh, Sc, Tb, Y	10ug/mL	Inorganic Ventures	Z-MEB194055	05/29/07	05/29/07	06/01/08	KB
6020 ISS IP-PS-07-048	Bi, Ho, In, Li6, Rh, Sc, Tb, Y	10ug/mL	Inorganic Ventures	Z-MEB194055	05/29/07	05/29/07	06/01/08	KB
IP-PS-07-049	Li, Sr, Th, U	20ug/mL	Inorganic Ventures	A2-MEB238016	06/01/07	06/04/07	06/01/08	KB
IP-PS-07-050	B, Mo, Sn, Ti	20ug/mL	Inorganic Ventures	A2-MEB238017	06/01/07	06/04/07	06/01/08	KB
X-STune IP-PS-07-051	Ba, Be, Bi, Cr, Co, In, Li, Ni, Pb, U	10ug/mL	Inorganic Ventures	A2-MEB238018	06/01/07	06/04/07	06/01/08	KB
IP-PS-07-052	Ag	1,000 ug/mL	CPI	06J107	06/06/07	06/07/07	12/01/08	KE
IP-PS-07-053	AL	10,000		07E205	07/09/07	07/19/07	01/05/09	JK
IP-PS-07-054	B	5,000		06K019				
IP-PS-07-055	CA	10,000		07F345				
IP-PS-07-056	CA	10,000		07F345				
IP-PS-07-057	Cd	10,000		07E050				
IP-PS-07-058	Co	10,000		07F078				
IP-PS-07-059	Cu	10,000		07F075				
IP-PS-07-060	FE	10,000		07E183				
IP-PS-07-061	K	10,000		07F131				
IP-PS-07-062	Li	10,000		06I145				
IP-PS-07-063	MG	10,000		07D085				
~~IP-PS-07-064~~	JK 07-19-07							

To Page No. 93

Witnessed & Understood by me, [signature] Date 07/19/07

Invented by

Recorded by [signature] Date 07/19/07

TITLE DATACHEM LABORATORIES - PRIMARY STANDARDS LOGBOOK

Project No. N/A

Book No. 2261

From Page No. 92

DCL Solution #	Analytes	Concentration	Vendor	Lot #	Date Rec'd	Date Opened	Date Expires	Initials
IP-PS-07-064	MN	10,000 ug/mL	CPI	07C113	07/09/07	07/19/07	01/05/09	JK
IP-PS-07-065	Mo	10,000		06H253				
IP-PS-07-066	NA	10,000		07F228				
IP-PS-07-067	P	10,000		07E211				
IP-PS-07-068	Pb	10,000		07F278				
IP-PS-07-069	SE	10,000		07C158				
IP-PS-07-070	SN	10,000		06B011				
IP-PS-07-071	SR	10,000		06J208				
IP-PS-07-072	TE	10,000		4BK070				
IP-PS-07-073	TL	10,000		05K082				
IP-PS-07-074	V	5,000		07B083				
IP-PS-07-075	Y	10,000		07A200				
IP-PS-07-076	ZN	10,000		07D133				
IP-PS-07-077	AS	1,000		07F105				
IP-PS-07-078	Cd	1,000		07C053				
IP-PS-07-079	PB	1,000		07F108				
IP-PS-07-080	SE	1,000		07C044				
IP-PS-07-081	TL	1,000		06C009				
IP-PS-07-082	SB	1,000		07A076				
IP-PS-07-083	ICSA	SEE FACING PAGE	EPA / QATS	ICSA (1206)	07/19/07	07/28/07	N/A	JK
IP-PS-07-084	SEE FACING PAGE					07/28/07		
IP-PS-07-085						08/27/07		
IP-PS-07-086						08/30/07		
IP-PS-07-087						10/15/07		
IP-PS-07-088						10/15/07		
IP-PS-07-089								
IP-PS-07-090								
IP-PS-07-091	ICSB	SEE FACING PAGE	EPA / QATS	ICSB (0203)	07/19/07	08/27/07	N/A	JK
IP-PS-07-092	SEE FACING PAGE					10/15/07		
IP-PS-07-093						12/21/07		
IP-PS-07-094						12/21/07		
IP-PS-07-095	ICV-1 SEE FACING PAGE	SEE FACING PAGE	EPA / QATS	ICV-1 (1201)	07/19/07	07/28/07	N/A	AE
IP-PS-07-096						08/30/07		
IP-PS-07-097						10/31/07		
IP-PS-07-098								

To Page No. 94

Witnessed & Understood by me, John Kershaw

Date 07/29/07

Invented by

Recorded by

Date 07/20/07

Project No. N/A

TITLE DATACHEM LABORATORIES - PRIMARY STANDARDS LOGBOOK

Book No. 2261

From Page No. 93

DCL SOLUTION #	ANALYTES	CONCENTRATION	VENDOR	LOT#	DATE REC'D	DATE OPENED	DATE EXPIRES	INIT.
IP-PS-07-099	Fe/Ba, Zn	100 ug/mL / 50 ug/mL	Inorganic Ventures	Z-MEB194099	08/24/07	08/28/07	09/01/08	KB
	Co, Cr3, Cu, Mn, Ni, Sb, V	20 ug/mL						
	As, Pb	10 ug/mL						
	Ag, Be, Cd, Se, Tl	5 ug/mL						
IP-PS-07-100	Ba, Cr3, Cu, Zn	50 ug/mL	Inorganic Ventures	A2-CIC20089	08/24/07	08/28/07	09/01/08	KB
	V/Ni	30 ug/mL / 25 ug/mL						
	Co, Pb, Sb/Ag, As, Cd	20 ug/mL / 10 ug/mL						
	Be, Se, Tl	5 ug/mL						
IP-PS-07-101	Au	1000 ug/mL	CPI	07D007	09/12/07	09/24/07	03/11/09	JK
IP-PS-07-102	Au	1000 ug/mL	CPI	07H065	09/12/07	09/24/07	03/11/09	JK
ICV/QC IP-PS-07-103	Ag, Al, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Se, Tl, V, Zn	10 ug/mL	SPEX ~~Inorganic Ventures~~ KB 10/01/07	5-112GS	09/25/07	10/01/07	09/30/08	KB
ICV/QC IP-PS-07-104	Ca, Fe, Mg, K, Na	200 ug/mL	SPEX	4-61GS	09/25/07	10/01/07	09/30/08	KB
ICV/QC IP-PS-07-105	Mo, Th, U	10 ug/mL	SPEX	36-27AS	09/25/07	10/01/07	09/30/08	KB
ICV/QC IP-PS-07-106	Mo, Sn, Sr, Ti	10 ug/mL	SPEX	5-11GS	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 ug/mL	SPEX	33-133AS	09/25/07	10/01/07	09/30/08	KB
ICV/QC IP-PS-07-108	Ce	1000 ug/mL	SPEX	13-84CE	09/25/07	10/01/07	09/30/08	KB
ICV/QC IP-PS-07-109	Cs	1000 ug/mL	SPEX	13-86CS	09/25/07	10/01/07	09/30/08	KB
ICV/QC IP-PS-07-110	Ga	1000 ug/mL	SPEX	13-34GA	09/25/07	10/01/07	09/30/08	KB
ICV/QC IP-PS-07-111	Au	1000 ug/mL	SPEX	13-94AU	09/25/07	10/01/07	09/30/08	KB
ICV/QC IP-PS-07-112	Pd	1000 ug/mL	SPEX	13-68PD	09/25/07	10/01/07	09/30/08	KB
ICV/QC IP-PS-07-113	P	1000 ug/mL	SPEX	13-59P	09/25/07	10/01/07	09/30/08	KB
ICV/QC IP-PS-07-114	W	1000 ug/mL	SPEX	13-90W	09/25/07	10/01/07	09/30/08	KB
VOA TS IP-PS-07-115	Ba, Be, Ce, Co, In, Mg, Pb, Th, Tl	10 ug/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 ug/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 ug/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 ug/mL	Inorganic Ventures					
	Mo, Ti	20 ug/mL						

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Witnessed & Understood by me

Date 12/12/07

Invented by

Recorded by Kristie Bettin

Date 10/01/07

Project No. N/A

TITLE DATACHEM LABORATORIES- PRIMARY STANDARDS LOGBOOK

Book No. 2261

From Page No. 95

DCL SOLUTION #	ANALYTES	CONCENTRATION	VENDOR	LOT #	DATE REC'D	DATE OPENED	DATE EXPIRES	INJ.
IP-PS-07-140	ICSA	SEE FACING PAGE	EPA / QATS	PART A (1206)	11/08/07	12/12/07	N/A	NE
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	NE
IP-PS-07-147	SEE FACING PAGE					03/19/08		
IP-PS-07-148						05/09/08		
6020 Std IP-PS-07-149 6020 Std IP-PS-07-150	Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr3, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Tl, V, Zn	20 mg/mL	Inorganic Ventures	Z-MEB194104	12/17/07	12/17/07	01/01/09	KB
IP-PS-07-151	~~Ba~~, Ba, Cr3, Cu, Zn / Ni/Co, Pb, Sb/V / ~~Ag, Mn, Cd~~/Be, Se, Tl	50 mg/mL / 25 mg/mL / 20 mg/mL / 30 mg/mL / 10 mg/mL / 5 mg/mL	Inorganic Ventures	A2-CICP20089	12/17/07	12/17/07	01/01/09	KB
ISS IP-PS-07-152 ISS IP-PS-07-153	Bi, Ho, In, Li, Rh, Sc, Tb, Y	10 mg/mL	Inorganic Ventures	A2-MEB194155	12/17/07	12/07/07	01/01/09	KB
IP-PS-08-001	Li, Zn, Y, Bi, Sc, Ho, Th	10 mg/mL	INORGANIC VENTURES	B2-ME[illegible]255072	02/05/08	02/05/08	03/01/09	NE
IP-PS-08-002	In	10 mg/mL	INORGANIC VENTURES	A2-[illegible]IN01095	02/05/08	02/05/08	03/01/09	NE
6020 WATER SPK IP-PS-08-003	Fe / Ba, Zn	100 mg/mL / 50 mg/mL	INORGANIC VENTURES	Z-MEB194099	02/05/08	02/05/08	03/01/09	NE
	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, Sc, Th, U	20 mg/mL	INORGANIC VENTURES	A2-MEB248045	02/05/08	02/05/08	03/01/09	NE
IP-PS-08-005	B, Mo, Sn, Ti	20 mg/mL	INORGANIC VENTURES	A2-MEB248044	02/05/08	02/05/08	03/01/09	NE
IP-PS-08-006	Ca, Mg, K, Na / Al, Ba	500 mg/mL / 20 mg/mL	INORGANIC VENTURES	NE 02/14/08 Z-MEB194095	02/13/08	02/14/08	03/01/09	NE
	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, Fe / Be, Cd	1.0 mg/mL / 0.5 mg/mL						
IP-PS-08-007	Ag, Al, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Se, Tl, V, Zn	10 mg/mL	SPEX KB 2/29/08 ~~Inorganic Ventures~~	5-1126S	02/29/08	02/29/08	02/28/09	KB
CLP-STK-6 IP-PS-08-008 1362	Sb / Co, Se, Tl	100 mg/mL / 50 mg/mL	INORGANIC VENTURES	Z-MEB194090	03/10/08	03/10/08	03/01/09	NE
	As / Pb	40 mg/mL / 20 mg/mL						

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Witnessed & Understood by me: Kristie Britain

Date: 03/28/08

Invented by

Recorded by

Date: 03/10/08

Project No. N/A

TITLE DATACHEM LABORATORIES- PRIMARY STANDARDS LOGBOOK

Book No. 2261

From Page No. 96

DCL SOLUTION #	ANALYTES	CONCENTRATION	VENDOR	LOT #	DATE REC'D	DATE OPENED	DATE EXPIRES	INIT
CLPP-SPK-1 IP-PS-08-009	Al, Ba / Fe	2000 µg/mL / 1000 µg/mL	INORGANIC VENTURES	2-MEB174075	03/10/08	03/10/08	03/01/09	KE
	Co, Mn, Ni, V, Zn / Cu	500 µg/mL / 250 µg/mL						
1261	Cr3 / Ag, Be	200 µg/mL / 50 µg/mL						
IP-PS-08-010	ICSA (SEE FACING PAG)	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 ISS 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-MEB194104	03/27/08		04/01/09	KB
6020 ISS IP-PS-08-0242	Bi, Hf, In, Li6, Rh, Sc, Tb, Y	10 µg/mL	Inorganic Ventures	A2-MEB194185	03/27/08		04/01/09	KB
6020 ISS IP-PS-08-0243								
6020 ISS IP-PS-08-0244								
IM08023 (1879) IP-PS-08-025	Ag	1000 µg/mL	CPI	07H114	5/1/08	5/1/08	10/28/09	RKA
IM08024 (1883) IP-PS-08-026	Sb	10,000 µg/mL	CPI	07F023	5/1/08		10/28/09	RKA
IM08025 (1884) IP-PS-08-027	Ba	10,000 µg/mL	CPI	07C169	5/1/08		10/28/09	RKA
IP-PS-08-028 IM08026 (1886)	K	10,000 µg/mL	CPI	08C049	5/1/08		10/28/09	RKA
IP-PS-08-029 IM08027 (1887)	W	1000 µg/mL	CPI	07I208	5/1/08		10/28/09	RKA
IP-PS-08-030 IM08028 (1888)	Pt	10000 µg/mL	CPI	07D260	5/1/08		10/28/09	RKA
IP-PS-08-031 IM08029 (1889)	Na	10,000 µg/mL	CPI	08A030	5/1/08		10/28/09	RKA
IM08030 (1890) IP-PS-08-032	Ti	10,000 µg/mL	CPI	08A002	5/1/08		10/28/09	RKA
IM08031 (1891) IP-PS-08-033	Be	10,000 µg/mL	CPI	07F218	5/1/08		10/28/09	RKA
IM08032 (1892) IP-PS-08-034	Al	10,000 µg/mL	CPI	08C004	5/1/08		10/28/09	RKA
IP-PS-08-035 IM08033 (1893)	Fe	10,000 µg/mL	CPI	08B059	5/1/08		10/28/09	RKA
IP-PS-08-036 IM08034 (1894)	Zr	1,000 µg/mL	CPI	08A083	5/1/08		10/28/09	RKA
IP-PS-08-037 IM08035 (1895)	Ni	10,000 µg/mL	CPI	08A040	5/1/08		10/28/09	RKA
IP-PS-08-038 IM08036 (1896)	Mg	10,000 µg/mL	CPI	08C006	5/1/08		10/28/09	RKA

To Page No. 98

Witnessed & Understood by me, Joanna C. Sanchez

Date 5/5/08

Invented by NA

Recorded by [signature]

Date 5/5/08

TITLE DATACHEM LABORATORIES - PRIMARY STANDARDS LOGBOOK 5/8/08 RKA

From Page No. 97

DCL SOLUTION #	ANALYTES	CONCENTRATION	VENDOR	LOT#	DATE REC'D	DATE OPENED	DATE EXPIRES	INIT
IP-PS-08-039	As	10,000 µg/mL	CPI	07H102	5/1/08	5/1/08	10/28/09	RKA
IP-PS-08-040	Si	10,000 µg/mL	CPI	07D206	5/1/08	5/1/08	10/28/09	RKA
IP-PS-08-041	Ba / Se, 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, Ni, Pb, Tl	1 µg/mL						
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						
IP-PS-08-043	Cr	10,000 µg/mL	CPI	07I020	5/6/08	5/6/08	11/2/09	RKA
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	GCS
IP-PS-08-046								
IP-PS-08-047								
IP-PS-08-048								
IP-PS-08-049					04/17/08 GCS 5/8/08			
IP-PS-08-050	ICSAB (See facing Pg.)	See facing page	EPA / QATS	ICSAB (0203)	04/16/08		NA	GCS
IP-PS-08-051								
IP-PS-08-052					04/17/08 GCS 5/8/08			
IP-PS-08-053	ICV-1 (See facing Pg.)	See facing page	EPA / QATS	ICV-1 (1201)	04/16/08		NA	GCS
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	GCS
IP-PS-08-059	Ba, Be, Bi, Ce, Co, In, Li, Ni, Pb, U	10 µg/mL	Inorganic Ventures	B2-MEB265024	05/08/08	05/13/08	06/01/09	KB
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 (0803)	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	GCS
IP-PS-08-063	Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr3, Cu, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Tl, V, Zn	20 µg/mL	Inorganic Ventures	Z-MEB194104	06/17/08	06/18/08	07/1/09	KB

To Page No. 99

Witnessed & Understood by me, Joanna C. Sanchez

Date 6/27/08

Invented by

Recorded by Kristie Cutter

Date 06/18/08

Edwards, Meredith D.

From: Olson, Roxanne
Sent: Wednesday, June 18, 2008 2:47 PM
To: Edwards, Meredith D.
Subject: FW: Region 08 |Case 37402 | Lab DATAC | Issue Multiple | FINAL

Attachments: 2008061810320025.pdf; 37402 CLP IDs.xls

2008061810320025.pdf (642 KB) 37402 CLP IDs.xls (28 KB)

-----Original Message-----
From: Kramer, Caroline [mailto:ckramer5@fedcsc.com]
Sent: Wednesday, June 18, 2008 2:24 PM
To: Olson, Roxanne
Cc: beard.carol@epa.gov
Subject: Region 08 |Case 37402 | Lab DATAC | Issue Multiple | FINAL

Roxy,
Summary Start
-Discrepancies with tags, jars, and/or TR/COC- Issue 1: The soil, TM and DM samples were all given the same sample ID on the TR/COC. with tags, jars, and/or TR/COC- Issue 1: The soil, TM and DM samples were all given the same sample ID on the TR/COC.
Resolution 1: Per Region 8, the laboratory will note issue in the SDG Narrative and will use the CLP sample ID provided in the attached table for the DM water and soil samples. The TM water samples will retain the CLP ID listed on the TR/COC.

-Sample listed on TR/COC but not received at laboratory- Issue 2: No sample container was received for DM for sample on TR designated MH25A4. TM container was received.
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

Caroline L. Kramer
ckramer5@fedcsc.com
Computer Sciences Corporation (CSC)
703.818.4248

This is a PRIVATE message. If you are not the intended recipient, please delete without copying and kindly advise 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.

-----Original Message-----
From: Beard.Carol@epamail.epa.gov [mailto:Beard.Carol@epamail.epa.gov]
Sent: Wednesday, June 18, 2008 1:17 PM
To: Kramer, Caroline
Subject: Re: Region 08 |Case 37402 | Lab DATAC | Issue Multiple

Caroline-

Issue 1 : Please provide the laboratory with new ID for the different matrices for Case 37402.

Issue 2 : Please have the laboratory note this in the case narrative and proceed with the analysis.

Thanks! Carol

"Kramer, Caroline" <ckramer5@fedcsc.com>
06/18/2008 11:06 AM

To: Carol Beard/EPR/R8/USEPA/US@EPA
cc:
Subject: Region 08 |Case 37402 | Lab DATAC | Issue Multiple

Carol,
DATAC is reporting the follow issues regarding Case 37402 for samples delivered today. TR/COC are attached for reference. Please advise on how the Region wishes the laboratory to proceed.

-Discrepancies with tags, jars, and/or TR/COC- Issue 1: The soil, TM and DM samples were all given the same sample ID on the TR/COC.

*Please advise if you would like me to provide new ID for the different matrices. I can do this in a table like last time.

-Sample listed on TR/COC but not received at laboratory- Issue 2: No sample container was received for DM for sample on TR designated MH25A4.
TM container was received.

Please let me know if you have any questions.
Thanks,

Caroline L. Kramer
ckramer5@fedcsc.com
Computer Sciences Corporation (CSC)
703.818.4248

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-----Original Message-----
From: Olson, Roxanne [mailto:olsonr@datachem.com]
Sent: Wednesday, June 18, 2008 12:40 PM
To: Kramer, Caroline
Cc: Edwards, Meredith D.
Subject: Case 37402 Sample Delivery 6/18

Caroline: Here are the TRs for case 37402 for samples we received today and which we spoke about a few minutes ago on the phone.

Issues we see immediately:

TM, DM and Sediment samples all have same EPA IDs. Water containers labels do

differentiate between DM and TM.
No container was received for DM for sample on TR designated MH25A4. TM container was received.
How do we complete DC-1 forms?

More issues may crop up but we can't begin to address this delivery until we get the first issues taken care of.

Thanks for your help!

Roxy
(See attached file: 2008061810320025.pdf)

Listed TR ID	Matrix	Analysis	New CLP ID
MH2599	water	TM	MH2599
	water (filterd)	DM	MH2662
	soil	TM	MH2663
MH25A0	water	TM	MH25A0
	water (filterd)	DM	MH2664
	soil	TM	MH2665
MH25A1	water	TM	MH25A1
	water (filterd)	DM	MH2666
	soil	TM	MH2667
MH25A2	water	TM	MH25A2
	water (filterd)	DM	MH2668
	soil	TM	MH2669
MH25A3	water	TM	MH25A3
	water (filterd)	DM	MH2670
	soil	TM	MH2671
MH25A6	water	TM	MH25A6
	water (filterd)	DM	MH2672
MH25A7	water	TM	MH25A7
	water (filterd)	DM	MH2673
	soil	TM	MH2674
MH25A9	water	TM	MH25A9
	water (filterd)	DM	MH2675
	soil	TM	MH2676
MH25B0	water	TM	MH25B0
	water (filterd)	DM	MH2677
	soil	TM	MH2678
MH25B1	water	TM	MH25B1
	water (filterd)	DM	MH2679
	soil	TM	MH2680
MH25B2	water	TM	MH25B2
	water (filterd)	DM	MH2681
	soil	TM	MH2682
MH25B3	water	TM	MH25B3
	water (filterd)	DM	MH2683
	soil	TM	MH2684
MH25B4	water	TM	MH25B4
	water (filterd)	DM	MH2685
MH25B5	water	TM	MH25B5
	water (filterd)	DM	MH2686
	soil	TM	MH2687
MH25B6	water	TM	MH25B6
	water (filterd)	DM	MH2688
	soil	TM	MH2689
MH25B7	water	TM	MH25B7
	water (filterd)	DM	MH2690
	soil	TM	MH2691

MH25B8	water	TM	MH25B8
	water (filterd)	DM	MH2692
	soil	TM	MH2693
MH25C0	water	TM	MH25C0
	water (filterd)	DM	MH2694
	soil	TM	MH9695
MH25C4	water	TM	MH25C4
	water (filterd)	DM	MH2696
MH25C5	water	TM	MH25C5
	water (filterd)	DM	MH2697
	soil	TM	MH2698
MH25C7	water	TM	MH25C7
	water (filterd)	DM	MH2699
	soil	TM	MH26A0
MH25C8	water	TM	MH25C8
	water (filterd)	DM	MH26A1
	soil	TM	MH26A2
MH25C9	water	TM	MH25C9
	water (filterd)	DM	MH26A3
MH25D1	water	TM	MH25D1
	water (filterd)	DM	MH26A4
	soil	TM	MH26A5
MH25D3	water	TM	MH25D3
	water (filterd)	DM	MH26A6
MH25D4	water	TM	MH25D4
	water (filterd)	DM	MH26A7
	soil	TM	MH26A8
MH25D5	water	TM	MH25D5
	water (filterd)	DM	MH26A9
	soil	TM	MH26B0
MH25D6	water	TM	MH25D6
	water (filterd)	DM	MH26B1
MH25D7	water	TM	MH25D7
	water (filterd)	DM	MH26B2
	soil	TM	MH26B3
MH25D8	water	TM	MH25D8
	water (filterd)	DM	MH25B4
MH25D9	water	TM	MH25D9
	water (filterd)	DM	MH26B5
MH25E0	water	TM	MH25E0
	water (filterd)	DM	MH26B6
MH25E1	water	TM	MH25E1
	water (filterd)	DM	MH26B7
MH25E2	water	TM	MH25E2
	water (filterd)	DM	MH26B8
MH25E3	water	TM	MH25E3
	water (filterd)	DM	MH26B9

MH25E4	water	TM	MH25E4
	water (filterd)	DM	MH26C0
	soil	TM	MH26C1
MH25E5	water	TM	MH25E5
	water (filterd)	DM	MH26C2
	soil	TM	MH26C3
MH25E6	water	TM	MH25E6
	water (filterd)	DM	MH26C4
	soil	TM	MH26C5
MH25E7	water	TM	MH25E7
	water (filterd)	DM	MH26C6
	soil	TM	MH26C7
MH25E8	water	TM	MH25E8
	water (filterd)	DM	MH26C8
	soil	TM	MH26C9
MH25E9	water	TM	MH25E9
	water (filterd)	DM	MH26D0
MH25F0	water	TM	MH25F0
	water (filterd)	DM	MH26D1

Edwards, Meredith D.

From: Olson, Roxanne
Sent: Friday, June 20, 2008 9:54 AM
To: Edwards, Meredith D.
Subject: FW: Region 08 |Case 37402 | Lab DATAC | Issue Insufficient volume | FINAL

From: Kramer, Caroline [mailto:ckramer5@fedcsc.com]
Sent: Friday, June 20, 2008 9:46 AM
To: Olson, Roxanne
Cc: beard.carol@epa.gov
Subject: Region 08 |Case 37402 | Lab DATAC | Issue Insufficient volume | FINAL

Roxy,
Summary Start
Issue: There were no samples designated on the TR/COC for laboratory QC and lab QC is required per scheduling. The laboratory is unable to perform a reduced volume QC on the waters as the samplers delivered the samples in 500 mL bottles instead of the 1000 mL recommended in the SOW. Below is a list of the SDG for Case 37402 and the laboratory has indicated which SDG will not have sufficient volume for QC, and where possible selected a sample they would like to use for QC.
MH2599 (TM water) no QC selected as there is not enough volume.
MH25C5 (TM water) no QC selected as there is not enough volume.
MH25E8 (TM water) no QC selected as there is not enough volume.
MH2662 (DM water) no QC selected as there is not enough volume.
MH2697 (DM water) no QC selected as there is not enough volume.
MH26C8 (DM water) no QC selected as there is not enough volume.
MH25F1 (TM soil) selected MH26C9 for QC.
MH2663 (TM soil) selected MH2695 for QC
Resolution: Per Region 8, the laboratory's selection of soil QC samples is acceptable. The laboratory will note the volume insufficiency in the SDG Narrative, cancel lab QC on the TM and DM SDG 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
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→ **6/20/2008 Phone conversation between Caroline Kramer, SMO, and Carol Beard, Region 8. Carol confirmed that the soil samples selected for QC are acceptable and that DATAC can cancel the QC for the water samples due to insufficient sample volume. The laboratory will note the issue in the SDG Narrative.**

From: Kramer, Caroline

Sent: Thursday, June 19, 2008 3:21 PM
To: 'beard.carol@epa.gov'
Subject: Region 08 |Case 37402 | Lab DATAC || Issue Insufficient volume

Carol,
DATAC is reporting the following issue regarding Case 37402. Please advise on how the Region wishes the laboratory to proceed.

Issue: There were no samples designated on the TR/COC for laboratory QC and lab QC is required per scheduling. The laboratory is unable to perform a reduced volume QC on the waters as the samplers delivered the samples in 500 mL bottles instead of the 1000 mL recommended in the SOW. Below is a list of the SDG for Case 37402 and the laboratory has indicated which SDG will not have sufficient volume for QC, and where possible selected a sample they would like to use for QC.

MH2599 (TM water) no QC selected as there is not enough volume.
MH25C5 (TM water) no QC selected as there is not enough volume.
MH25E8 (TM water) no QC selected as there is not enough volume.
MH2662 (DM water) no QC selected as there is not enough volume.
MH2697 (DM water) no QC selected as there is not enough volume.
MH26C8 (DM water) no QC selected as there is not enough volume.
MH25F1 (TM soil) selected MH26C9 for QC.
MH2663 (TM soil) selected MH2695 for QC

Please let me know if you have any questions or problems.
Thank you,

Caroline L. Kramer
ckramer5@fedcsc.com
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From: Olson, Roxanne [mailto:olsonr@datachem.com]
Sent: Thursday, June 19, 2008 3:04 PM
To: Kramer, Caroline
Subject: FW: Region 8 Case 37402

Caroline: See the following for the SDGs and where possible DATAC's selection for QC. Please note that because this was a confusing login effort we have one SDG (MH2663) that we did not use the lowest alpha numeric number to name the SDG.

Roxy

From: Edwards, Meredith D.
Sent: Thursday, June 19, 2008 12:57 PM
To: DataChem EPA List
Subject: Region 8 Case 37402

Here are the SDG names and then the samples I chose for QC.

MH2599 TM water no QC selected as there is not enough volume.

MH25C5 TM water no QC selected as there is not enough volume.

MH25E8 TM water no QC selected as there is not enough volume.

MH2662 DM water no QC selected as there is not enough volume.

MH2697 DM water no QC selected as there is not enough volume.

MH26C8 DM water no QC selected as there is not enough volume.

MH25F1 TM soil selected MH26C9 for QC.

MH2663 TM soil selected MH2695 for QC also on this SDG I used a higher number to name the SDG. Since there were only 2 samples that didn't change names after receipt it was very confusing.

Thanks

Mere

-----Original Message-----
From: Kramer, Caroline
Sent: Thursday, June 19, 2008 10:47 AM
To: 'Olson, Roxanne'
Subject: RE: Region 08 |Case 37402 | Lab DATAC | Issue Multiple | FINAL

Roxy,
Just let me know as soon as you know which SDG will not have sufficient volume and I will pass it along to the Region for a resolution.
Please let me know if you have any confusion with the spreadsheet of new sample IDs as you are logging them in.
Thanks,

Caroline L. Kramer
ckramer5@fedcsc.com
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-----Original Message-----
From: Olson, Roxanne [mailto:olsonr@datachem.com]
Sent: Thursday, June 19, 2008 10:38 AM
To: Kramer, Caroline
Subject: FW: Region 08 |Case 37402 | Lab DATAC | Issue Multiple | FINAL

Caroline: Another issue with the samples from yesterday as we were logging them in. We have no extra volume for the water samples for QC. Is the case closed or should we expect additional volume from another delivery? We can't even do a reduced volume on the waters as the samplers are delivering the samples in 500 mL bottles instead of the 1000 mL recommended in the SOW. I will let you know which SDGs will not have QC as soon as we complete the login.

Roxy