1085975 - 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: 5 (R8-2008-5)
Site Name: Richardson Flat Tailings
Date CSF Received: 9/10/2008
Site Manager: Kathryn Hernandez
Received By: Don Goodrich
Case Number: 37402
Lab Name: DataChem
SDG Number: MH2662
Lab Location: Salt Lake City, UT
Number of Samples: 18
CLP Lab Code: DATAC
Resubmitted CSF: Yes ____ No X

CSF Relinquished By:

Print Name	Date	Signature
Don 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.
MH2662

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

Matrix: (soil/water) WATER Lab Sample ID: 8171002001

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	5.7	J		MS
7440-36-0	Antimony	3.1			MS
7440-38-2	Arsenic	4.4			MS
7440-39-3	Barium	42.1			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	0.064	J		MS
7440-70-2	Calcium	165000			MS
7440-47-3	Chromium	0.66	J		MS
7440-48-4	Cobalt	0.74	J		MS
7440-50-8	Copper	1.7	J		MS
7439-89-6	Iron	1500			MS
7439-92-1	Lead	0.12	J		MS
7439-95-4	Magnesium	39100			MS
7439-96-5	Manganese	88.6			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	4.3		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.70	J		MS
7440-22-4	Silver	0.055	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	0.68	J		MS
7440-66-6	Zinc	15.2			MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

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

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA Sample No.
MH2664

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

Matrix: (soil/water) WATER Lab Sample ID: 8171002002

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	3.5	J		MS
7440-36-0	Antimony	6.5			MS
7440-38-2	Arsenic	5.2			MS
7440-39-3	Barium	55.7			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	5.6			MS
7440-70-2	Calcium	156000			MS
7440-47-3	Chromium	0.44	J		MS
7440-48-4	Cobalt	0.91	J		MS
7440-50-8	Copper	4.4			MS
7439-89-6	Iron	1470			MS
7439-92-1	Lead	4.3			MS
7439-95-4	Magnesium	35700			MS
7439-96-5	Manganese	177			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	5.4		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.78	J		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.50	J		MS
7440-62-2	Vanadium	0.51	J		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.
MH2668

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

Matrix: (soil/water) WATER Lab Sample ID: 8171002004

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	2.1	J		MS
7440-36-0	Antimony	8.1			MS
7440-38-2	Arsenic	5.0			MS
7440-39-3	Barium	58.6			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	9.2			MS
7440-70-2	Calcium	157000			MS
7440-47-3	Chromium	0.41	J		MS
7440-48-4	Cobalt	1.2			MS
7440-50-8	Copper	4.9			MS
7439-89-6	Iron	1480			MS
7439-92-1	Lead	3.3			MS
7439-95-4	Magnesium	37900			MS
7439-96-5	Manganese	269			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	5.5		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.95	J		MS
7440-22-4	Silver	0.048	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.72	J		MS
7440-62-2	Vanadium	5.0	U		MS
7440-66-6	Zinc	1630			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.
MH2670

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

Matrix: (soil/water) WATER Lab Sample ID: 8171002005

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	6.6	J		MS
7440-36-0	Antimony	8.0			MS
7440-38-2	Arsenic	5.5			MS
7440-39-3	Barium	59.1			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	7.2			MS
7440-70-2	Calcium	158000			MS
7440-47-3	Chromium	0.43	J		MS
7440-48-4	Cobalt	1.0			MS
7440-50-8	Copper	4.6			MS
7439-89-6	Iron	1490			MS
7439-92-1	Lead	2.0			MS
7439-95-4	Magnesium	38100			MS
7439-96-5	Manganese	246			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	5.4		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.1	J		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.63	J		MS
7440-62-2	Vanadium	5.0	U		MS
7440-66-6	Zinc	1220			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.
MH2672

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

Matrix: (soil/water) WATER Lab Sample ID: 8171002006

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	5.9	J		MS
7440-36-0	Antimony	14.5			MS
7440-38-2	Arsenic	3.7			MS
7440-39-3	Barium	46.0			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	19.3			MS
7440-70-2	Calcium	301000		D	MS
7440-47-3	Chromium	0.45	J		MS
7440-48-4	Cobalt	5.0			MS
7440-50-8	Copper	6.9			MS
7439-89-6	Iron	2930			MS
7439-92-1	Lead	6.7			MS
7439-95-4	Magnesium	69700			MS
7439-96-5	Manganese	503			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	14.5		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.33	J		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.3			MS
7440-62-2	Vanadium	5.0	U		MS
7440-66-6	Zinc	3870			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.
MH2673

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

Matrix: (soil/water) WATER Lab Sample ID: 8171002007

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	2.3	J		MS
7440-36-0	Antimony	7.1			MS
7440-38-2	Arsenic	3.9			MS
7440-39-3	Barium	63.5			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	4.2			MS
7440-70-2	Calcium	135000			MS
7440-47-3	Chromium	0.58	J		MS
7440-48-4	Cobalt	1.7			MS
7440-50-8	Copper	2.9			MS
7439-89-6	Iron	1350			MS
7439-92-1	Lead	6.9			MS
7439-95-4	Magnesium	31200			MS
7439-96-5	Manganese	443			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	5.2		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	0.33	J		MS
7440-62-2	Vanadium	5.0	U		MS
7440-66-6	Zinc	980			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.
MH2675

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

Matrix: (soil/water) WATER Lab Sample ID: 8171002008

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	6.1	J		MS
7440-36-0	Antimony	6.0			MS
7440-38-2	Arsenic	2.2			MS
7440-39-3	Barium	111			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	19.3			MS
7440-70-2	Calcium	214000			MS
7440-47-3	Chromium	0.49	J		MS
7440-48-4	Cobalt	4.2			MS
7440-50-8	Copper	6.4			MS
7439-89-6	Iron	2120			MS
7439-92-1	Lead	0.73	J		MS
7439-95-4	Magnesium	55500			MS
7439-96-5	Manganese	294			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	11.7		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.57	J		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.88	J		MS
7440-62-2	Vanadium	5.0	U		MS
7440-66-6	Zinc	2870			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.
MH2677

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

Matrix: (soil/water) WATER Lab Sample ID: 8171002009

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	6.7			MS
7440-38-2	Arsenic	2.6			MS
7440-39-3	Barium	59.5			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	13.5			MS
7440-70-2	Calcium	143000			MS
7440-47-3	Chromium	0.54	J		MS
7440-48-4	Cobalt	4.2			MS
7440-50-8	Copper	3.1			MS
7439-89-6	Iron	1320			MS
7439-92-1	Lead	3.3			MS
7439-95-4	Magnesium	33800			MS
7439-96-5	Manganese	743			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	8.1		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.1	J		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.65	J		MS
7440-62-2	Vanadium	0.42	J		MS
7440-66-6	Zinc	3740			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.

MH2679

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

Matrix: (soil/water) WATER Lab Sample ID: 8171002010

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	2.4	J		MS
7440-36-0	Antimony	6.4			MS
7440-38-2	Arsenic	2.8			MS
7440-39-3	Barium	60.1			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	2.1			MS
7440-70-2	Calcium	123000			MS
7440-47-3	Chromium	0.65	J		MS
7440-48-4	Cobalt	1.2			MS
7440-50-8	Copper	2.1			MS
7439-89-6	Iron	1250			MS
7439-92-1	Lead	4.2			MS
7439-95-4	Magnesium	27900			MS
7439-96-5	Manganese	222			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	4.5		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	0.41	J		MS
7440-66-6	Zinc	720			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.
MH2681

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

Matrix: (soil/water) WATER Lab Sample ID: 8171002011

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	4.9			MS
7440-38-2	Arsenic	2.7			MS
7440-39-3	Barium	96.6			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	3.2			MS
7440-70-2	Calcium	165000			MS
7440-47-3	Chromium	0.92	J		MS
7440-48-4	Cobalt	1.5			MS
7440-50-8	Copper	3.0			MS
7439-89-6	Iron	1750			MS
7439-92-1	Lead	0.70	J		MS
7439-95-4	Magnesium	38200			MS
7439-96-5	Manganese	206			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	5.3		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.89	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	0.62	J		MS
7440-66-6	Zinc	761			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.
MH2683

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

Matrix: (soil/water) WATER Lab Sample ID: 8171002012

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	2.1	J		MS
7440-36-0	Antimony	6.3			MS
7440-38-2	Arsenic	2.9			MS
7440-39-3	Barium	57.3			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	2.1			MS
7440-70-2	Calcium	119000			MS
7440-47-3	Chromium	0.50	J		MS
7440-48-4	Cobalt	0.79	J		MS
7440-50-8	Copper	2.0			MS
7439-89-6	Iron	1130			MS
7439-92-1	Lead	4.0			MS
7439-95-4	Magnesium	27700			MS
7439-96-5	Manganese	196			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	4.1		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	5.0	U		MS
7440-66-6	Zinc	660			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.
MH2685

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

Matrix: (soil/water) WATER Lab Sample ID: 8171002013

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	4.0	J		MS
7440-36-0	Antimony	3.2			MS
7440-38-2	Arsenic	3.7			MS
7440-39-3	Barium	63.4			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	251000		D	MS
7440-47-3	Chromium	0.43	J		MS
7440-48-4	Cobalt	1.4			MS
7440-50-8	Copper	1.3	J		MS
7439-89-6	Iron	2560			MS
7439-92-1	Lead	1.2			MS
7439-95-4	Magnesium	54900			MS
7439-96-5	Manganese	1840			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	7.5		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.83	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	0.54	J		MS
7440-66-6	Zinc	64.0			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.
MH2686

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

Matrix: (soil/water) WATER Lab Sample ID: 8171002014

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	1.8	J		MS
7440-36-0	Antimony	3.2			MS
7440-38-2	Arsenic	3.7			MS
7440-39-3	Barium	63.4			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	252000		D	MS
7440-47-3	Chromium	0.49	J		MS
7440-48-4	Cobalt	1.3			MS
7440-50-8	Copper	0.89	J		MS
7439-89-6	Iron	2560			MS
7439-92-1	Lead	0.87	J		MS
7439-95-4	Magnesium	55200			MS
7439-96-5	Manganese	1840			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	7.1		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.70	J		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	0.55	J		MS
7440-66-6	Zinc	64.3			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.
MH2688

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

Matrix: (soil/water) WATER Lab Sample ID: 8171002015

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	4.8	J		MS
7440-36-0	Antimony	6.4			MS
7440-38-2	Arsenic	2.9			MS
7440-39-3	Barium	58.0			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	2.1			MS
7440-70-2	Calcium	117000			MS
7440-47-3	Chromium	0.55	J		MS
7440-48-4	Cobalt	0.79	J		MS
7440-50-8	Copper	2.0			MS
7439-89-6	Iron	1220			MS
7439-92-1	Lead	4.8			MS
7439-95-4	Magnesium	26200			MS
7439-96-5	Manganese	157			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	4.4		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	0.38	J		MS
7440-66-6	Zinc	672			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.
MH2690

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

Matrix: (soil/water) WATER Lab Sample ID: 8171002016

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	3.9	J		MS
7440-36-0	Antimony	6.1			MS
7440-38-2	Arsenic	3.1			MS
7440-39-3	Barium	54.3			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	2.1			MS
7440-70-2	Calcium	97300			MS
7440-47-3	Chromium	0.61	J		MS
7440-48-4	Cobalt	1.1			MS
7440-50-8	Copper	2.3			MS
7439-89-6	Iron	1040			MS
7439-92-1	Lead	3.8			MS
7439-95-4	Magnesium	21100			MS
7439-96-5	Manganese	152			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	4.1		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	5.0	U		MS
7440-66-6	Zinc	807			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.
MH2692

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

Matrix: (soil/water) WATER Lab Sample ID: 8171002017

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	3.2	J		MS
7440-36-0	Antimony	6.3			MS
7440-38-2	Arsenic	2.8			MS
7440-39-3	Barium	57.7			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	2.2			MS
7440-70-2	Calcium	111000			MS
7440-47-3	Chromium	0.61	J		MS
7440-48-4	Cobalt	0.77	J		MS
7440-50-8	Copper	2.0	J		MS
7439-89-6	Iron	1040			MS
7439-92-1	Lead	3.8			MS
7439-95-4	Magnesium	25000			MS
7439-96-5	Manganese	150			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	4.0		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.4	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	0.48	J		MS
7440-66-6	Zinc	653			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.
MH2694

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

Matrix: (soil/water) WATER Lab Sample ID: 8171002018

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	5.6	J		MS
7440-36-0	Antimony	5.4			MS
7440-38-2	Arsenic	2.6			MS
7440-39-3	Barium	53.3			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	2.5			MS
7440-70-2	Calcium	91700			MS
7440-47-3	Chromium	0.65	J		MS
7440-48-4	Cobalt	0.65	J		MS
7440-50-8	Copper	2.4			MS
7439-89-6	Iron	957			MS
7439-92-1	Lead	1.8			MS
7439-95-4	Magnesium	19100			MS
7439-96-5	Manganese	133			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	3.7		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.6	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	0.59	J		MS
7440-66-6	Zinc	749			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.
MH2696

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

Matrix: (soil/water) WATER Lab Sample ID: 8171002019

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		MS
7440-38-2	Arsenic	0.75	J		MS
7440-39-3	Barium	25.5			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	72.1			MS
7440-70-2	Calcium	397000		D	MS
7440-47-3	Chromium	0.53	J		MS
7440-48-4	Cobalt	1.9			MS
7440-50-8	Copper	3.8			MS
7439-89-6	Iron	3940			MS
7439-92-1	Lead	3.6			MS
7439-95-4	Magnesium	51100			MS
7439-96-5	Manganese	543			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	26.2		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	3.8	J		MS
7440-22-4	Silver	0.81	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	0.46	J		MS
7440-66-6	Zinc	9380		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

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.: MH2662

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	511.00	103	250.00	265.93	106	243.76	98	MS
Antimony	198.00	195.34	99	250.00	242.02	97	245.04	98	MS
Arsenic	199.00	195.35	98	250.00	244.79	98	249.74	100	MS
Barium	100.00	99.30	99	250.00	245.14	98	245.72	98	MS
Beryllium	99.00	96.88	98	250.00	248.86	100	252.93	101	MS
Cadmium	99.00	98.25	99	250.00	245.31	98	247.63	99	MS
Calcium	2036.00	2031.10	100	1000.00	1009.30	101	988.77	99	MS
Chromium	98.00	95.40	97	250.00	241.13	96	241.12	96	MS
Cobalt	99.00	96.94	98	250.00	243.90	98	243.43	97	MS
Copper	98.00	96.61	99	250.00	242.56	97	242.78	97	MS
Iron	1021.00	1033.50	101	1000.00	1033.70	103	997.46	100	MS
Lead	199.00	197.36	99	250.00	241.89	97	241.17	96	MS
Magnesium	1201.00	1224.40	102	1000.00	1092.70	109	1020.80	102	MS
Manganese	99.00	96.38	97	250.00	243.65	97	243.01	97	MS
Mercury									NR
Nickel	98.00	98.20	100	250.00	244.07	98	244.82	98	MS
Potassium									NR
Selenium	201.00	202.39	101	250.00	244.84	98	254.64	102	MS
Silver	99.00	95.19	96	250.00	241.63	97	241.94	97	MS
Sodium									NR
Thallium	205.00	199.36	97	250.00	238.61	95	238.47	95	MS
Vanadium	100.00	96.72	97	250.00	241.80	97	242.03	97	MS
Zinc	200.00	199.90	100	250.00	243.73	97	257.06	103	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.: MH2662

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	242.04	97	244.37	98	MS
Antimony				250.00	244.26	98	244.15	98	MS
Arsenic				250.00	246.28	99	249.46	100	MS
Barium				250.00	244.61	98	248.76	100	MS
Beryllium				250.00	252.78	101	250.23	100	MS
Cadmium				250.00	245.88	98	246.03	98	MS
Calcium				1000.00	996.37	100	1033.50	103	MS
Chromium				250.00	240.55	96	242.88	97	MS
Cobalt				250.00	242.47	97	245.32	98	MS
Copper				250.00	240.63	96	243.44	97	MS
Iron				1000.00	991.17	99	998.40	100	MS
Lead				250.00	241.92	97	242.62	97	MS
Magnesium				1000.00	1032.30	103	993.13	99	MS
Manganese				250.00	242.64	97	244.25	98	MS
Mercury									NR
Nickel				250.00	243.53	97	246.81	99	MS
Potassium									NR
Selenium				250.00	248.21	99	249.45	100	MS
Silver				250.00	241.22	96	242.97	97	MS
Sodium									NR
Thallium				250.00	238.67	95	239.70	96	MS
Vanadium				250.00	240.49	96	243.36	97	MS
Zinc				250.00	246.10	98	245.54	98	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.: MH2662

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									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium				1000.00	1047.60	105			MS
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
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.: MH2662

CRQL Check Standard Source: I.V.

Concentration Units: ug/L

	CRDL Check Standard				
	Initial			Final	
Analyte	True	Found*	%R(1)	Found*	%R(1)
Aluminum					
Antimony	2.00	2.08	104	1.86J	93
Arsenic	1.00	0.92J	92	0.97J	97
Barium	10.00	9.80J	98	9.70J	97
Beryllium	1.00	0.97J	97	1.01	101
Cadmium	1.00	0.98J	98	0.95J	95
Calcium					
Chromium	2.00	1.91J	96	1.96J	98
Cobalt	1.00	0.95J	95	0.93J	93
Copper	2.00	1.93J	97	1.92J	96
Iron					
Lead	1.00	0.95J	95	0.95J	95
Magnesium					
Manganese	1.00	0.92J	92	0.94J	94
Mercury					
Nickel	1.00	0.96J	96	0.94J	94
Potassium					
Selenium	5.00	4.97J	99	5.13	103
Silver	1.00	0.96J	96	0.95J	95
Sodium					
Thallium	1.00	0.93J	93	0.89J	89
Vanadium	5.00	4.68J	94	4.71J	94
Zinc	2.00	1.89J	95	2.00	100
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.: MH2662

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			1.84J	92
Arsenic	1.00			0.98J	98
Barium	10.00			9.79J	98
Beryllium	1.00			1.01	101
Cadmium	1.00			1.01	101
Calcium					
Chromium	2.00			1.95J	98
Cobalt	1.00			0.91J	91
Copper	2.00			1.95J	98
Iron					
Lead	1.00			0.95J	95
Magnesium					
Manganese	1.00			0.92J	92
Mercury					
Nickel	1.00			0.92J	92
Potassium					
Selenium	5.00			5.12	102
Silver	1.00			0.93J	93
Sodium					
Thallium	1.00			0.87J	87
Vanadium	5.00			4.76J	95
Zinc	2.00			2.46	123
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.: MH2662

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	9.434	J	20.000	U	20.000	U	10.921	J	MS
Antimony	0.617	J	0.563	J	0.547	J	0.523	J	0.216	J	MS
Arsenic	0.079	J	1.000	U	1.000	U	1.000	U	1.000	U	MS
Barium	0.034	J	0.042	J	0.033	J	0.042	J	0.061	J	MS
Beryllium	0.036	J	0.037	J	0.039	J	0.022	J	1.000	U	MS
Cadmium	0.036	J	0.044	J	0.042	J	1.000	U	0.027	J	MS
Calcium	-4.401	J	11.902	J	500.000	U	500.000	U	26.562	J	MS
Chromium	0.041	J	0.088	J	0.062	J	2.000	U	0.414	J	MS
Cobalt	0.032	J	0.039	J	0.037	J	1.000	U	0.030	J	MS
Copper	0.157	J	0.288	J	0.088	J	0.089	J	0.369	J	MS
Iron	10.000	U	5.155	J	10.000	U	10.000	U	10.000	U	MS
Lead	0.058	J	0.044	J	0.056	J	0.024	J	1.000	U	MS
Magnesium	500.000	U	9.892	J	0.726	J	-0.422	J	11.036	J	MS
Manganese	1.000	U	1.000	U	0.023	J	1.000	U	1.000	U	MS
Mercury											NR
Nickel	0.061	J	1.000	U	1.000	U	1.000	U	0.103	J	MS
Potassium											NR
Selenium	5.000	U	5.000	U	5.000	U	0.208	J	5.000	U	MS
Silver	0.041	J	0.045	J	0.030	J	0.019	J	0.050	J	MS
Sodium											NR
Thallium	0.061	J	0.056	J	0.040	J	1.000	U	1.000	U	MS
Vanadium	0.048	J	0.067	J	0.080	J	5.000	U	5.000	U	MS
Zinc	0.473	J	2.000	U	0.125	J	2.000	U	1.490	J	MS
Cyanide											NR

USEPA - CLP

3-IN
BLANKS

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

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			0.486	J							MS
Arsenic			1.000	U							MS
Barium			10.000	U							MS
Beryllium			1.000	U							MS
Cadmium			1.000	U							MS
Calcium			25.978	J	26.210	J					MS
Chromium			2.000	U							MS
Cobalt			1.000	U							MS
Copper			0.069	J							MS
Iron			-4.702	J							MS
Lead			1.000	U							MS
Magnesium			-0.986	J							MS
Manganese			1.000	U							MS
Mercury											NR
Nickel			1.000	U							MS
Potassium											NR
Selenium			5.000	U							MS
Silver			1.000	U							MS
Sodium											NR
Thallium			1.000	U							MS
Vanadium			5.000	U							MS
Zinc			2.000	U							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.: MH2662

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	96200	96	95300	95
Antimony	1.5	22.0	1.3	87	20.9	95
Arsenic	0.10	19.0	-0.24	240	19.4	102
Barium	1.2	22.0	1.4	117	22.3	101
Beryllium	0.0	19.0	0.26		19.1	101
Cadmium	0.70	20.0	3.7	529	22.1	111
Calcium	100000	100000	111000	111	112000	112
Carbon						
Chloride						
Chromium	21.0	40.0	19.7	94	39.4	99
Cobalt	1.0	20.0	1.4	140	21.1	106
Copper	8.0	25.0	8.1	101	26.6	106
Iron	100000	100000	115000	115	117000	117
Lead	4.0	25.0	4.3	108	24.8	99
Magnesium	100000	100000	108000	108	110000	110
Manganese	7.0	27.0	7.6	109	27.6	102
Molybdenum						
Nickel	6.0	24.0	7.7	128	26.7	111
Phosphorus						
Potassium						
Selenium	0.30	19.0	-3.0	1000	16.2	85
Silver	0.0	18.0	0.047		17.5	97
Sodium						
Sulfur						
Thallium	0.0	21.0	0.0072		20.3	97
Titanium						
Vanadium	0.50	19.0	0.43	86	20.2	106
Zinc	11.0	29.0	11.7	106	29.8	103

USEPA - CLP

7-IN
LABORATORY CONTROL SAMPLE

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

Solid LCS Source: _____

Aqueous LCS Source: EPA-1(1201)

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	496.0	518.68	105						
Antimony	198.0	198.77	100						
Arsenic	199.0	194.00	97						
Barium	100.0	98.35	98						
Beryllium	99.0	97.20	98						
Cadmium	99.0	97.81	99						
Calcium	2036.0	2109.20	104						
Chromium	98.0	94.96	97						
Cobalt	99.0	97.33	98						
Copper	98.0	97.75	100						
Iron	1021.0	1050.20	103						
Lead	199.0	197.69	99						
Magnesium	1201.0	1324.20	110						
Manganese	99.0	96.64	98						
Mercury									
Nickel	98.0	98.65	101						
Potassium									
Selenium	201.0	198.65	99						
Silver	99.0	95.29	96						
Sodium									
Thallium	205.0	199.15	97						
Vanadium	100.0	96.11	96						
Zinc	200.0	201.35	101						
Cyanide									

USEPA - CLP

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA Sample No.

MH2662L

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

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	5.68	J	58.69	J	933		MS
Antimony	3.14		3.65	J	16		MS
Arsenic	4.40		4.89	J	11		MS
Barium	42.09		41.94	J	0		MS
Beryllium	1.00	U	5.00	U			MS
Cadmium	0.06	J	0.48	J	700		MS
Calcium	164910.00		162170.00		2		MS
Chromium	0.66	J	1.21	J	83		MS
Cobalt	0.74	J	1.15	J	55		MS
Copper	1.71	J	2.92	J	71		MS
Iron	1503.40		1578.60		5		MS
Lead	0.12	J	0.52	J	333		MS
Magnesium	39130.00		39364.50		1		MS
Manganese	88.63		89.32		1		MS
Nickel	4.27		5.12		20	E	MS
Potassium							NR
Selenium	0.70	J	1.53	J	119		MS
Silver	0.06	J	0.38	J	533		MS
Sodium							NR
Thallium	1.00	U	5.00	U			MS
Vanadium	0.68	J	25.00	U	100		MS
Zinc	15.18		21.03		39		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.: MH2662

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.: MH2662

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.: MH2662

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.: MH2662

Preparation Method: HW3

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
PBW	06/26/2008		50
LCSW	06/26/2008		50
MH2662	06/26/2008		50
MH2664	06/26/2008		50
MH2668	06/26/2008		50
MH2670	06/26/2008		50
MH2672	06/26/2008		50
MH2673	06/26/2008		50
MH2675	06/26/2008		50
MH2677	06/26/2008		50
MH2679	06/26/2008		50
MH2681	06/26/2008		50
MH2683	06/26/2008		50
MH2685	06/26/2008		50
MH2686	06/26/2008		50
MH2688	06/26/2008		50
MH2690	06/26/2008		50
MH2692	06/26/2008		50
MH2694	06/26/2008		50
MH2696	06/26/2008		50

USEPA - CLP

13-IN
ANALYSIS RUN LOG

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

Instrument ID: ICPM02 Analysis Method: MS

Start Date: 07/02/2008 End Date: 07/03/2008

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	1626																										
S0	1.0	2052	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
S2	1.0	2057	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
S5	1.0	2103	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
S10	1.0	2108	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
S50	1.0	2113	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
S200	1.0	2119	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
S500	1.0	2124	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
S1000	1.0	2129	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
S1500	1.0	2135	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
S2000	1.0	2140	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
ICV	1.0	2146	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
ICB	1.0	2151	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
CRII	1.0	2157		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
ICSA	1.0	2202	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
ICSAB	1.0	2207	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
CCV	1.0	2213	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
CCB	1.0	2218	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
PBW	1.0	2223	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
LCSW	1.0	2229	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
MH2662	1.0	2234	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
MH2662L	5.0	2240	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
MH2664	1.0	2245	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
MH2668	1.0	2251	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
MH2670	1.0	2256	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
MH2672	1.0	2301	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
ZZZZZZ	1.0	2307																										
MH2673	1.0	2312	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
CCV2	1.0	2318	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
CCB2	1.0	2323	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
MH2675	1.0	2328	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
MH2677	1.0	2334	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
MH2679	1.0	2339	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
MH2681	1.0	2345	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
MH2683	1.0	2350	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
MH2685	1.0	2355	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			

USEPA - CLP

13-IN
ANALYSIS RUN LOG

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

Instrument ID: ICPM02 Analysis Method: MS

Start Date: 07/02/2008 End Date: 07/03/2008

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	0001		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
CCV3	1.0	0006	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
CCB3	1.0	0012	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
ZZZZZZ	1.0	0017																										
MH2686	1.0	0022	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
ZZZZZZ	1.0	0028																										
MH2688	1.0	0033	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
MH2690	1.0	0039	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
MH2692	1.0	0044	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
MH2694	1.0	0049	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
MH2696	1.0	0055	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X				
MH2696	2.0	0100																							X			
CRIF2	1.0	0106		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
CCV4	1.0	0111	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
CCB4	1.0	0117	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			

USEPA - CLP

13-IN
ANALYSIS RUN LOG

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

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	1120																										
S0	1.0	1150							X																			
S50	1.0	1154							X																			
S200	1.0	1158							X																			
S500	1.0	1202							X																			
S1000	1.0	1207							X																			
S1500	1.0	1211							X																			
S2000	1.0	1215							X																			
ICV2	1.0	1219							X																			
ICB2	1.0	1223							X																			
CRII2	1.0	1228																										
ICSA2	1.0	1232							X																			
ICSAB2	1.0	1236							X																			
CCV5	1.0	1240							X																			
CCB5	1.0	1244							X																			
PBW	1.0	1249							X																			
LCSW	1.0	1253							X																			
MH2662	1.0	1257							X																			
MH2662L	5.0	1301							X																			
MH2664	1.0	1306							X																			
MH2668	1.0	1310							X																			
MH2670	1.0	1314							X																			
MH2672	1.0	1318																										
MH2672	2.0	1322							X																			
ZZZZZZ	1.0	1327																										
CCV6	1.0	1331							X																			
CCB6	1.0	1335							X																			
MH2673	1.0	1339							X																			
MH2675	1.0	1343							X																			
MH2677	1.0	1348							X																			
MH2679	1.0	1352							X																			
MH2681	1.0	1356							X																			
MH2683	1.0	1400							X																			
CRIF	1.0	1405																										
CCV7	1.0	1409							X																			
CCB7	1.0	1413							X																			

USEPA - CLP

13-IN
ANALYSIS RUN LOG

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

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		
MH2685	1.0	1417																										
MH2685	2.0	1422							X																			
MH2686	1.0	1426																										
MH2686	2.0	1430							X																			
MH2688	1.0	1434							X																			
MH2690	1.0	1439							X																			
MH2692	1.0	1443							X																			
MH2694	1.0	1447							X																			
MH2696	1.0	1451																										
ZZZZZZ	1.0	1455																										
CCV8	1.0	1500							X																			
CCB8	1.0	1504							X																			
MH2696	2.0	1508							X																			
CRIF2	1.0	1512																										
CCV9	1.0	1517							X																			
CCB9	1.0	1521							X																			

USEPA - CLP

14-IN
ICP-MS Tune

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

ICP-MS Instrument ID: ICPM02 Date: 07/02/2008

Element - Mass	Avg. Measured Mass (amu)	Avg. Peak Width at Peak Height (amu)	%RSD
Be - 9	9.01	0.71	0.8
Mg - 24	23.99	0.71	0.9
Mg - 25	24.99	0.71	0.9
Mg - 26	25.98	0.66	1.0
Co - 59	58.93	0.66	0.8
In - 113	112.90	0.66	0.6
In - 115	114.90	0.66	0.6
Pb - 206	205.97	0.71	0.4
Pb - 207	206.98	0.77	0.3
Pb - 208	207.98	0.77	0.3

Comments:

USEPA - CLP

14-IN
ICP-MS Tune

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

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	0.6
Mg - 24	23.99	0.71	0.3
Mg - 25	24.99	0.71	0.4
Mg - 26	25.98	0.71	0.4
Co - 59	58.93	0.66	0.6
In - 113	112.90	0.71	0.9
In - 115	114.90	0.71	0.8
Pb - 206	205.97	0.77	1.4
Pb - 207	206.98	0.77	1.1
Pb - 208	207.98	0.77	1.1

Comments:

USEPA - CLP

15-IN

ICP-MS Internal Standards Relative Intensity Summary

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

ICP-MS Instrument ID: ICPM02 Start Date: 07/02/2008 End Date: 07/03/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 115In	Q	Element 159Tb	Q
S0	2052	100		100		100		100		100	
S2	2057	99		97		96		95		93	
S5	2103	98		96		95		94		93	
S10	2108	100		99		99		99		98	
S50	2113	97		95		95		94		94	
S200	2119	93		90		90		90		88	
S500	2124	92		89		91		92		92	
S1000	2129	89		84		85		86		85	
S1500	2135	93		88		88		89		87	
S2000	2140	95		91		91		90		88	
ICV	2146	93		90		90		90		89	
ICB	2151	95		93		93		92		90	
CRII	2157	97		95		94		93		90	
ICSA	2202	84		84		82		88		84	
ICSAB	2207	85		89		87		92		89	
CCV	2213	94		101		102		102		102	
CCB	2218	97		105		105		104		102	
PBW	2223	99		104		104		104		102	
LCSW	2229	96		98		98		99		100	
MH2662	2234	93		91		89		88		93	
MH2662L	2240	95		91		91		92		95	
MH2664	2245	91		88		87		87		93	
MH2668	2251	93		90		89		89		95	

USEPA - CLP

15-IN

ICP-MS Internal Standards Relative Intensity Summary

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

ICP-MS Instrument ID: ICPM02 Start Date: 07/02/2008 End Date: 07/03/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	2052	100									
S2	2057	94									
S5	2103	92									
S10	2108	99									
S50	2113	94									
S200	2119	91									
S500	2124	96									
S1000	2129	90									
S1500	2135	90									
S2000	2140	91									
ICV	2146	91									
ICB	2151	92									
CRII	2157	92									
ICSA	2202	84									
ICSAB	2207	85									
CCV	2213	101									
CCB	2218	101									
PBW	2223	102									
LCSW	2229	99									
MH2662	2234	88									
MH2662L	2240	96									
MH2664	2245	88									
MH2668	2251	89									

USEPA - CLP

15-IN

ICP-MS Internal Standards Relative Intensity Summary

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2662

ICP-MS Instrument ID: ICPM02 Start Date: 07/02/2008 End Date: 07/03/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 115In	Q	Element 159Tb	Q
MH2670	2256	93		91		90		89		96	
MH2672	2301	91		91		89		88		95	
ZZZZZZ	2307										
MH2673	2312	95		93		92		91		95	
CCV2	2318	92		91		91		92		91	
CCB2	2323	92		91		91		91		90	
MH2675	2328	90		92		90		87		93	
MH2677	2334	95		94		94		93		98	
MH2679	2339	94		92		90		89		93	
MH2681	2345	94		93		91		89		94	
MH2683	2350	95		95		94		93		98	
MH2685	2355	91		90		88		87		89	
CRIF	0001	96		95		94		93		92	
CCV3	0006	91		91		92		93		94	
CCB3	0012	91		90		90		90		89	
ZZZZZZ	0017										
MH2686	0022	91		88		86		85		89	
ZZZZZZ	0028										
MH2688	0033	95		91		88		87		88	
MH2690	0039	94		91		89		87		89	
MH2692	0044	94		93		92		92		97	
MH2694	0049	96		92		90		89		90	
MH2696	0055	88		88		85		83		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.: MH2662

ICP-MS Instrument ID: ICPM02 Start Date: 07/02/2008 End Date: 07/03/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
MH2670	2256	89									
MH2672	2301	86									
ZZZZZZ	2307										
MH2673	2312	90									
CCV2	2318	94									
CCB2	2323	92									
MH2675	2328	84									
MH2677	2334	91									
MH2679	2339	86									
MH2681	2345	83									
MH2683	2350	92									
MH2685	2355	83									
CRIF	0001	92									
CCV3	0006	96									
CCB3	0012	91									
ZZZZZZ	0017										
MH2686	0022	83									
ZZZZZZ	0028										
MH2688	0033	84									
MH2690	0039	85									
MH2692	0044	90									
MH2694	0049	86									
MH2696	0055	77									

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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.: MH2662

ICP-MS Instrument ID: ICPM02 Start Date: 07/02/2008 End Date: 07/03/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 115In	Q	Element 159Tb	Q
MH2696	0100	94		94		92		91		95	
CRIF2	0106	100		98		97		96		94	
CCV4	0111	93		90		89		89		87	
CCB4	0117	94		93		93		93		93	

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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.: MH2662

ICP-MS Instrument ID: ICPM02 Start Date: 07/02/2008 End Date: 07/03/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
MH2696	0100	88									
CRIF2	0106	94									
CCV4	0111	90									
CCB4	0117	94									

USEPA - CLP

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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.: MH2662

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	1150	100		100		100		100		100	
S50	1154	98		97		97		98		99	
S200	1158	96		91		91		91		92	
S500	1202	94		87		86		86		87	
S1000	1207	92		85		85		87		89	
S1500	1211	98		91		90		91		92	
S2000	1215	99		91		89		89		89	
ICV2	1219	97		89		88		88		89	
ICB2	1223	101		96		95		95		96	
CRII2	1228	100		95		92		92		93	
ICSA2	1232	87		76		73		78		79	
ICSAB2	1236	88		79		77		83		85	
CCV5	1240	98		91		90		92		95	
CCB5	1244	100		94		91		92		93	
PBW	1249	105		97		95		96		99	
LCSW	1253	102		93		92		94		97	
MH2662	1257	100		87		82		82		89	
MH2662L	1301	101		87		83		84		88	
MH2664	1306	95		84		80		81		89	
MH2668	1310	95		83		79		79		85	
MH2670	1314	96		83		79		78		84	
MH2672	1318	94		84		81		81		89	
MH2672	1322	99		87		84		84		91	

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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.: MH2662

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	1150	100									
S50	1154	100									
S200	1158	94									
S500	1202	89									
S1000	1207	92									
S1500	1211	95									
S2000	1215	91									
ICV2	1219	92									
ICB2	1223	99									
CRII2	1228	94									
ICSA2	1232	79									
ICSAB2	1236	85									
CCV5	1240	98									
CCB5	1244	96									
PBW	1249	102									
LCSW	1253	101									
MH2662	1257	85									
MH2662L	1301	91									
MH2664	1306	86									
MH2668	1310	82									
MH2670	1314	81									
MH2672	1318	83									
MH2672	1322	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.: MH2662

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
ZZZZZZ	1327										
CCV6	1331	94		83		81		82		84	
CCB6	1335	96		86		84		86		88	
MH2673	1339	94		82		78		78		83	
MH2675	1343	94		83		78		76		83	
MH2677	1348	96		85		82		83		89	
MH2679	1352	98		87		84		84		90	
MH2681	1356	97		86		82		80		86	
MH2683	1400	100		88		84		83		89	
CRIF	1405	104		94		92		94		96	
CCV7	1409	97		86		84		85		87	
CCB7	1413	96		86		84		85		86	
MH2685	1417	96		85		82		82		89	
MH2685	1422	99		85		82		84		89	
MH2686	1426	96		83		79		79		85	
MH2686	1430	99		85		82		83		88	
MH2688	1434	101		88		85		86		92	
MH2690	1439	101		87		83		83		88	
MH2692	1443	100		85		81		81		85	
MH2694	1447	102		88		85		85		91	
MH2696	1451	93		84		80		79		86	
ZZZZZZ	1455										
CCV8	1500	99		89		86		87		89	

USEPA - CLP

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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.: MH2662

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
ZZZZZZ	1327										
CCV6	1331	89									
CCB6	1335	93									
MH2673	1339	81									
MH2675	1343	77									
MH2677	1348	86									
MH2679	1352	88									
MH2681	1356	80									
MH2683	1400	86									
CRIF	1405	100									
CCV7	1409	91									
CCB7	1413	90									
MH2685	1417	86									
MH2685	1422	89									
MH2686	1426	81									
MH2686	1430	88									
MH2688	1434	90									
MH2690	1439	85									
MH2692	1443	82									
MH2694	1447	89									
MH2696	1451	79									
ZZZZZZ	1455										
CCV8	1500	92									

USEPA - CLP

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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.: MH2662

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
CCB8	1504	101		91		90		91		93	
MH2696	1508	95		84		80		80		85	
CRIF2	1512	102		91		87		88		88	
CCV9	1517	98		87		85		87		90	
CCB9	1521	98		88		85		86		88	

USEPA - CLP

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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.: MH2662

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
CCB8	1504	97									
MH2696	1508	81									
CRIF2	1512	91									
CCV9	1517	94									
CCB9	1521	91									

Run MS208077 Summary		9Be	24Mg	27Al	44Ca	51V	52Cr	55Mn	57Fe	59Co	60Ni	63Cu	66Zn	75As	82Se	107Ag	111Cd	121Sb	137Ba	205Tl	208Pb	6Li	45Sc	89Y	115In	159Tb	209Bi
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
S0	07/02/2008 20:52:16	0	0	0	0	0	0	0	-5.4769	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	07/02/2008 20:57:39	2.0091	1.6915	1.9423	0.09	1.8894	1.8559	1.8518	1.4588	1.8608	1.9569	1.8823	2.4085	1.9804	2.0358	1.88	1.9428	1.8491	1.8472	1.8146	1.8396	98.80%	97.07%	95.50%	94.84%	93.37%	93.61%
S5	07/02/2008 21:03:02	4.9357	4.8494	6.9306	8.5369	4.6223	4.6669	4.6832	4.5855	4.6827	4.8873	4.8188	5.3645	4.8942	4.7788	4.7206	4.8407	4.6625	4.8824	4.5317	4.6913	97.84%	96.42%	94.57%	93.57%	92.70%	91.99%
S10	07/02/2008 21:08:24	9.7116	10.151	9.8966	14.48	9.2207	9.1997	9.2656	4.6616	9.1854	9.5053	9.4054	10.075	9.5864	9.6654	9.2552	9.5228	9.2697	9.5574	8.9863	9.2659	99.92%	99.22%	99.10%	99.07%	98.11%	99.04%
S50	07/02/2008 21:13:47	49.277	50.054	48.546	52.365	46.742	46.714	46.512	48.694	46.937	48.284	47.271	48.53	48.47	48.602	46.852	48.561	47.033	48.052	45.286	46.688	97.20%	95.36%	94.60%	94.31%	93.84%	93.90%
S200	07/02/2008 21:19:10	199.7	197.29	197.14	208.38	193.48	193.38	194.01	202.32	195.07	197.29	195.5	197.77	198.45	198.77	193.52	196.19	193.41	196.91	189.22	193.03	93.08%	90.05%	89.64%	90.11%	88.02%	91.15%
S500	07/02/2008 21:24:34	500.2	513.92	501.29	511.95	502.95	502.99	502.76	506.96	502.3	501.27	502.09	501.03	500.78	500.64	502.92	501.68	502.95	501.44	504.81	503.14	92.02%	89.26%	90.68%	91.95%	92.46%	95.55%
S1000	07/02/2008 21:29:58	972.08	983.71	975.22	1022.6	979.75	973.57	985.4	1012.7	986.89	1000.7	1002	992.97	993.45	982.22	990.44	992.59	1014.8	1003	978.63	995.97	89.36%	84.29%	85.14%	86.30%	84.95%	89.67%
S1500	07/02/2008 21:35:22	0.7147	1489.9	1.1909	1500.6	0.4482	0.5717	0.7388	1493.5	0.7418	0.8188	0.7144	1.2927	0.3802	0.3866	0.1731	0.7317	1.8757	0.7959	0.6851	0.7238	93.37%	88.27%	88.26%	88.60%	86.60%	90.16%
S2000	07/02/2008 21:40:47	0.0627	2012.5	1.5601	1984.1	0.0629	0.1889	0.0795	1996.6	0.0904	0.1728	0.2197	0.8075	0.3759	0.2712	0.2635	0.065	2.847	0.1201	0.1707	0.6259	94.98%	91.25%	90.66%	90.49%	88.35%	90.56%
ICV	07/02/2008 21:46:12	96.883	1224.4	511	2049.4	96.718	95.396	96.384	1033.5	96.936	98.202	96.612	199.9	195.35	202.39	95.188	98.246	195.34	99.295	199.36	197.36	93.29%	89.90%	89.93%	90.13%	88.76%	91.17%
ICB	07/02/2008 21:51:37	0.0356	-0.1304	0.1265	0.5776	0.0483	0.0412	0.0097	-1.1053	0.0324	0.0612	0.1568	0.4732	0.0792	0.1288	0.0408	0.0357	0.6166	0.0335	0.0614	0.0582	95.19%	93.10%	92.72%	92.05%	90.43%	91.73%
CRII	07/02/2008 21:57:01	0.9666	-0.8833	-0.1467	-3.8341	4.6765	1.9103	0.9226	0.0593	0.9542	0.9616	1.9334	1.8944	0.9158	4.9718	0.9569	0.9801	2.0845	9.7998	0.9251	0.9482	97.26%	94.64%	93.70%	92.57%	90.22%	91.77%
ICSA	07/02/2008 22:02:23	0.2597	107640	96214	116600	0.425	19.684	7.6078	115430	1.4154	7.6592	8.0518	11.714	-0.2402	-2.9944	0.0471	3.6953	1.275	1.4453	0.0072	4.2996	83.99%	84.48%	82.38%	87.70%	83.93%	83.50%
ICSAB	07/02/2008 22:07:47	19.064	109740	95290	117580	20.231	39.426	27.606	116600	21.121	26.661	26.575	29.768	19.363	16.223	17.544	22.143	20.883	22.287	20.341	24.831	85.02%	89.16%	86.59%	91.91%	88.58%	85.07%
CCV	07/02/2008 22:13:11	248.86	1092.7	265.93	1036.8	241.8	241.13	243.65	1033.7	243.9	244.07	242.56	243.73	244.79	244.84	241.63	245.31	242.02	245.14	238.61	241.89	94.06%	100.92%	101.74%	102.31%	101.79%	100.84%
CCB	07/02/2008 22:18:34	0.037	9.892	9.4339	11.177	0.067	0.0884	0.0128	5.1546	0.0387	0.0241	0.2882	-0.0182	0.0561	0.0374	0.0449	0.0438	0.5634	0.0419	0.0558	0.0437	97.19%	104.58%	104.57%	103.74%	101.77%	100.50%
PBW	07/02/2008 22:23:58	0.0332	11.036	10.921	23.697	0.1745	0.4143	0.0103	1.0973	0.0299	0.1025	0.3687	1.4904	0.0889	0.0337	0.0502	0.0272	0.2161	0.0606	0.0213	0.0322	98.96%	104.01%	103.90%	103.57%	102.45%	101.73%
LCSW	07/02/2008 22:29:23	97.203	1324.2	518.68	2087.2	96.112	94.957	96.637	1050.2	97.329	98.65	97.747	201.35	194	198.65	95.293	97.805	198.77	98.351	199.15	197.69	96.16%	97.70%	98.17%	98.88%	99.66%	98.97%
MH2662	07/02/2008 22:34:47	0.021	39130	5.6772	170130	0.6787	0.6617	88.626	1503.4	0.7379	4.2734	1.7052	15.182	4.4031	0.6975	0.0551	0.0639	3.1409	42.092	0.1219	0.1196	92.56%	90.62%	89.29%	88.45%	93.46%	88.37%
MH2662L	07/02/2008 22:40:12	0.0812	7872.9	11.738	32279	0.2479	0.2424	17.864	315.72	0.2303	1.024	0.584	4.2053	0.9774	0.3051	0.0764	0.0953	0.7299	8.3884	0.0902	0.1043	94.99%	90.86%	90.72%	92.05%	95.13%	95.53%
MH2664	07/02/2008 22:45:38	-0.0004	35729	3.4737	158870	0.5052	0.4369	177.19	1469.1	0.9088	5.3885	4.375	1133.5	5.2015	0.7836	0.0445	5.5708	6.4675	55.691	0.4978	4.2535	90.71%	88.26%	87.23%	87.03%	92.51%	87.63%
MH2668	07/02/2008 22:51:04	-0.0015	37946	2.0933	162780	0.1864	0.4137	269.18	1475.4	1.231	5.4879	4.9144	1631.2	4.959	0.9538	0.0481	9.1505	8.1212	58.619	0.7169	3.3092	93.09%	90.27%	89.31%	88.77%	95.00%	89.42%
MH2670	07/02/2008 22:56:29	-0.005	38149	6.6157	164050	0.1952	0.4349	246.41	1494	1.0154	5.3525	4.5777	1224.9	5.4639	1.0756	0.0345	7.2043	7.9577	59.132	0.6336	2.0292	93.39%	90.94%	89.74%	89.35%	95.67%	88.98%
MH2672	07/02/2008 23:01:54	0.0065	69690	5.8604	307130	0.222	0.4475	502.72	2928.4	4.9996	14.452	6.8855	3874.5	3.6501	0.3269	0.0271	19.294	14.459	45.995	1.3231	6.6867	90.84%	91.48%	89.22%	88.01%	94.83%	85.61%
MH2672-2x	07/02/2008 23:07:16	0.0004	35214	9.5579	154550	0.149	0.2798	249.13	1495.6	2.5798	7.6021	3.9444	2082.8	1.8602	0.3891	0.0108	9.9282	7.4225	23.174	0.6318	3.2923	94.03%	92.21%	91.09%	90.73%	95.23%	89.91%
MH2673	07/02/2008 23:12:38	-0.004	31241	2.3292	139740	0.2474	0.58	443.15	1346.4	1.7181	5.2048	2.9357	979.87	3.9232	1.2083	0.0445	4.2192	7.1223	63.532	0.3288	6.8774	94.73%	92.61%	91.54%	90.76%	95.40%	89.50%
CCV2	07/02/2008 23:18:01	252.93	1020.8	243.76	1125.2	242.03	241.12	243.01	997.46	243.43	244.82	242.78	257.06	249.74	254.64	241.94	247.63	245.04	245.72	238.47	241.17	92.04%	90.70%	90.83%	91.76%	91.26%	94.15%
CCB2	07/02/2008 23:23:24	0.0391	0.726	-0.1746	1.9687	0.0803	0.0617	0.023	-1.2756	0.0373	0.0427	0.0879	0.1252	0.0712	0.0264	0.0301	0.0423	0.5474	0.0331	0.0399	0.0555	91.95%	90.92%	90.67%	90.99%	90.41%	92.10%
MH2675	07/02/2008 23:28:47	0.0267	55489	6.1207	221890	0.1909	0.4895	293.62	2118.3	4.2028	11.729	6.431	2872.3	2.1665	0.5664	0.0417	19.29	5.9889	111.24	0.8812	0.725	90.38%	91.53%	89.72%	87.43%	92.87%	84.43%
MH2677	07/02/2008 23:34:11	0.0073	33842	8.7527	148010	0.4244	0.5385	742.81	1318.2	4.1851	8.0528	3.0735	3740	2.6197	1.092	0.0182	13.468	6.7334	59.488	0.6465	3.2594	95.44%	93.92%	93.54%	92.80%	98.08%	91.14%
MH2679	07/02/2008 23:39:36	0.0074	27881	2.4334	125280	0.4089	0.6528	222.15	1254.2	1.2001	4.5411	2.1357	720.27	2.7758	1.4847	0.0474	2.106	6.4162	60.089	0.1607	4.1894	94.20%	92.14%	90.26%	89.04%	92.56%	86.38%
MH2681	07/02/2008 23:45:00	-0.0011	38246	1.6836	170850	0.6232	0.9217	205.96	1754.4	1.4827	5.2992	3.0004	761.2	2.7187	0.8931	0.0184	3.1553	4.9378	96.57	0.1635	0.7043	93.54%	93.45%	91.32%	88.59%	93.55%	83.31%
MH2683	07/02/2008 23:50:25	-0.0062	27699	2.061	123390	0.3266	0.4951	196	1125.9	0.7857	4.1175	2.0303	659.99	2.8708	1.4865	0.0167	2.128	6.318	57.288	0.144	4.0167	95.17%	94.76%	94.35%	93.37%	97.77%	91.57%
MH2685	07/02/2008 23:55:51	-0.0021	54878	4.0148	254910	0.5372	0.4318	1842	2558.4	1.3621	7.5253	1.3208	63.962	3.746	0.8347	0.0176	0.0159	3.199	63.356	0.1855	1.2362	91.44%	89.92%	87.90%	86.58%	89.21%	83.33%
CRIF	07/03/2008 00:01:17	1.0086	0.7463	-0.3633	3.7075	4.7149	1.9588	0.9448	-1.9123	0.93	0.9412	1.9199	2.004	0.9732	5.1341	0.9525	0.9496	1.8563	9.6993	0.8877	0.9514	95.65%	94.81%	93.96%	93.25%	91.80%	92.02%
CCV3	07/03/2008 00:06:41	252.78	1032.3	242.04	1000.6	240.49	240.55	242.64	991.17	242.47	243.53	240.63	246.1	246.28	248.21	241.22	245.88	244.26	244.61	238.67	241.92	90.96%	91.14%	92.14%	93.23%	93.94%	95.53%
CCB3	07/03/2008 00:12:04	0.022	-0.4216	0.2477	-3.3755	0.0245	0.0193	-0.0026	0.9487	0.0156	0.0298	0.089	0.1057	0.0718	0.2078	0.0188	0.0194	0.5226	0.0418	0.0139	0.0235	91.30%	90.49%	89.67%	89.96%	88.70%	90.50%
MH2685-2x	07/03/2008 00:17:28	0.0014	27448	2.7847	128210	0.2546	0.2317	935.61	1342.5	0.704	3.8589	0.7579	33.894	1.8234	0.3918	0.0137	0.0106	1.742	31.719	0.0821	0.6182	91.23%	87.83%	86.17%	85.86%	87.79%	85.52%
MH2686	07/03/2008 00:22:51	-0.0042	55181	1.8281	257130	0.5469	0.493	1843.2	2558.9	1.2652	7.0594	0.8925	64.303	3.7225	0.7039	0.0186	0.0133	3.2391	63.436	0.1781	0.8677	90.51%	87.94%	85.98%	85.29%	88.55%	83.44%
MH2686-2x	07/03/2008 00:28:14	-0.0024	28213	2.4926	129660	0.3248	0.2434	928.9	1278.4	0.6352	3.5672	0.5144	34.315	1.8637	0.4534	0.015	0.0091	1.6008	31.418	0.0825	0.4247	92.83%	90.59%	89.85%	90.06%	92.51%	90.44%
MH2688	07/03/2008 00:33:39	-0.0049	26220	4.8427	120010	0.3834	0.5549	156.68	1224.3	0.7919	4.376	2.002	671.5	2.8842	1.4723	0.0237	2.1269	6.4204	58.031	0.1472	4.8395	94.57%	90.64%	88.27%	87.21%	88.22%	84.30%
MH2690	07/03/2008 00:39:03	0.0007	21102	3.8846	100030	0.2764	0.6138	151.93	1040.8	1.1295	4.1484	2.3014	806.72	3.1226	1.4756	0.0449	2.1086	6.1458	54.279	0.1046	3.7839	93.98%	90.70%	88.55%	87.45%	89.24%	85.00%
MH2692	07/03/2008 00:44:28	-0.0079	25017	3.24	115610	0.4795	0.6101	149.5	1036.3	0.7736	3.9745	1.9608	653.3	2.8345	1.4034	0.0118	2.2075	6.2603	57.67	0.1342	3.8238	94.08%	92.78%	92.03%	91.53%	97.11%	90.09%
MH2694	07/03/2008 00:49:53	-0.0015	19080	5.5562	94536	0.5869	0.6531	133.39	957.06	0.6497	3.7116	2.3657	749.46	2.6057	1.5504	0.0241	2.5018	5.3658	53.336	0.1211	1.8394	96.14%	91.74%	89.90%	88.66%	90.28%	86.17%
MH2696	07/03/2008 00:55:18	0.0071	51116	1.7294	409920	0.4566	0.5282	542.53	3937.5	1.8892	26.158	3.7885	8770.1	0.7459	3.8043	0.8087	72.124	1.0097	25.485	0.2396	3.6059	87.73%	88.19%	85.26%	82.70%	86.91%	76.83%
MH2696-2x	07/03/2008 01:00:47	-0.0057	26154	1.5665	206200	0.198	0.2786	265.96	1884.5	0.9221	13.165	2.0915	4692	0.3557	1.9675	0.4059	36.533	0.4775	12.642	0.103	1.7512	93.59%	93.58%	92.20%	91.35%	94.84%	87.83%
CRIF2	07/03/2008 01:06:12	1.0136	0.56	-0.3947	7.4621	4.7595	1.9471	0.9245	-3.0576	0.9146	0.9199	1.9542	2.4572	0.9847	5.1159	0.9298	1.0052	1.8438	9.7902	0.8748	0.9534	99.61%	98.34%	96.86%	96.06%	94.09%	94.17%
CCV4	07/03/2008 01:11:37	250.23	993.13	244.37	984.74	243.36	242.88	244.25	998.4	245.32	246.81	243.44	245.54	249.46	249.45	242.97	246.03	244.15	248.76	239.7	242.62	92.59%	90.18%	89.11%	89.40%	87.01%	89.79%
CCB4	07/03/2008 01:17:01	-0.0013	-0.9859	-0.1617	-5.9329	0.0337	0.0201	-0.0157	-4.7017	0.0044	0.0055	0.0686	-0.0099	0.0278	0.0052	0.0089	0.0052	0.4856	0.0059	0.0006	0.0099	93.79%	92.86%	92.98%	93.28%	93.05%	94.25%

44Ca is not used from this run due to CCV2 Failing.
Results are not used, due to results above the linear ranges.
Diluted result is used.
Results not used.

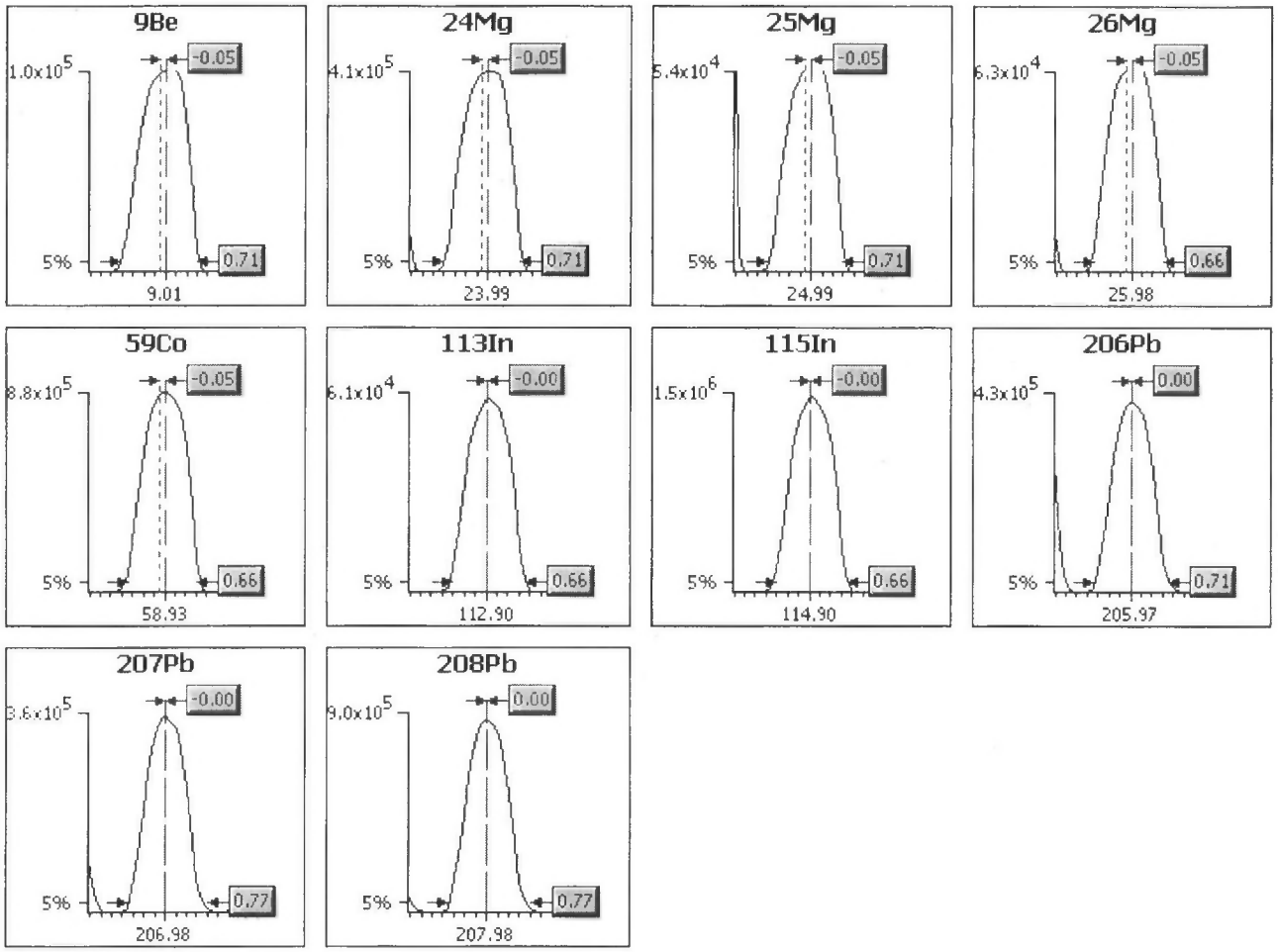
Performance Report

Sample details
Acquired at : 07/02/2008 16:26:58
Report name : ILM05.3 [06/18/2008 12:07:33]

Run # MS2080787
KB 7/4/08

Mass Calibration verification

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



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.75	0.60	0.10	0.71	-0.05
24Mg	0.75	0.60	0.10	0.71	-0.05
25Mg	0.75	0.60	0.10	0.71	-0.05
26Mg	0.75	0.60	0.10	0.66	-0.05
59Co	0.72	0.60	0.10	0.66	-0.05
113In	0.75	0.60	0.10	0.66	-0.00
115In	0.75	0.60	0.10	0.66	-0.00
206Pb	0.80	0.60	0.10	0.71	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 : 07/02/2008 16:26:58
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

Sensitivity and stability results

Acquisition parameters
5weeps : 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	16:27:18	0.385	97637.111	416374.69	55939.433	65642.910	665305.34	891189.79	46166.502	0.154
2	16:28:31	0.231	98610.004	420354.12	56341.358	66049.178	671671.48	897887.01	46740.199	0.308
3	16:29:44	0.462	98527.499	421926.84	56877.288	66644.660	675702.46	900970.03	46563.058	0.538
4	16:30:57	0.538	99136.971	422704.01	56819.975	66540.758	677506.64	901548.65	46676.253	0.231
5	16:32:10	0.308	99729.361	426242.19	57297.072	67431.723	683925.09	909966.36	47111.770	0.385
x		0.385	98728.189	421520.37	56655.025	66461.846	674822.20	900312.37	46651.556	0.323
σ		0.12	776.88	3595.13	524.24	674.77	6916.31	6787.20	340.36	0.15
%RSD		31.623	0.787	0.853	0.925	1.015	1.025	0.754	0.730	45.799

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	16:27:18	61296.145	1459409.6	1067338.9	1562527.7	33550.479	438187.69	361052.62	904974.10	0.692
2	16:28:31	61796.745	1472095.3	1071365.1	1570879.8	34371.250	438582.27	363024.01	902686.33	0.692
3	16:29:44	61615.410	1468780.4	1070298.7	1575854.1	34301.734	439408.76	361274.22	906166.96	0.385
4	16:30:57	62271.026	1478201.0	1077595.4	1585984.1	33872.805	439830.95	363700.25	906429.49	0.462
5	16:32:10	62165.628	1482982.4	1085242.8	1589673.3	35100.176	442219.43	363468.94	910631.12	0.538
x		61828.991	1472293.7	1074368.2	1576983.8	34239.289	439645.82	362504.01	906177.60	0.554
σ		399.78	9048.86	7135.51	11062.79	585.49	1578.86	1250.14	2895.46	0.14
%RSD		0.647	0.615	0.664	0.702	1.710	0.359	0.345	0.320	24.845

Ratio results

Run	Time	56Ar O/59Co	138Ba++/138Ba	115In/101Bkg	156Ce O/140Ce
Ratio limits		-	-	>10000.0000	<0.0300
1	16:27:18	0.747	0.043	9486162.3	0.021
2	16:28:31	0.748	0.044	4784309.7	0.022
3	16:29:44	0.750	0.044	2727734.9	0.022
4	16:30:57	0.751	0.043	6405537.4	0.021
5	16:32:10	0.752	0.043	3855754.2	0.022
x		0.7495	0.0434	5451899.7	0.0217
σ		0.00	0.00	2626743.72	0.00
%RSD		0.2941	0.3427	48.1803	1.3626

Result : The performance report passed.

Experiment Details

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Elemental\PlasmaLab\data\Run Data\MS208076.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	07/03/2008 12:31:11
Instrument Detector	Simultaneous
Database Version	3.51
Acquisition Mode	Unknown

Run #MS208077
ICPM02
07/03/08
ILM05.4 - HW3
MOD # 1554.1

SDG# MH2662
CASE# 37402
HBN# 17400

44 Ca IS NOT USED FROM THIS RUN

Numerical Results report key (text indicates meaning)

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

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

Result cells: Internal Standard; Excluded; QC Warning; QC Failure; Transient TRA only: Peak Not Found; Manually Edited

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

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	

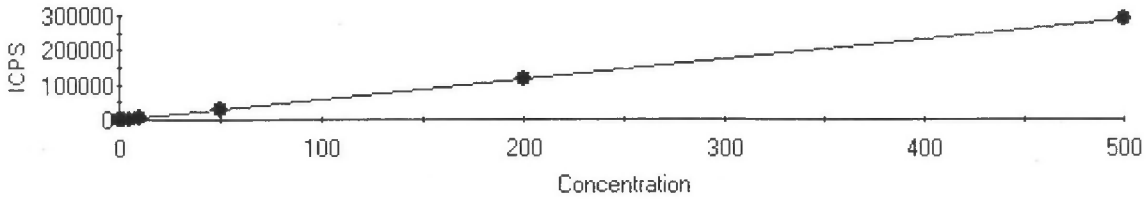
Sample List

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	MH2662	Unknown	1.000	1	2	8	144
21	MH2662L	Unknown	1.000	1	2	9	144
22	MH2664	Unknown	1.000	1	2	10	144
23	MH2668	Unknown	1.000	1	2	11	144
24	MH2670	Unknown	1.000	1	2	12	144
25	MH2672	Unknown	1.000	1	3	1	144
26	MH2672-2x	Unknown	1.000	1	3	2	144
27	MH2673	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	MH2675	Unknown	1.000	1	3	6	144
31	MH2677	Unknown	1.000	1	3	7	144
32	MH2679	Unknown	1.000	1	3	8	144
33	MH2681	Unknown	1.000	1	3	9	144
34	MH2683	Unknown	1.000	1	3	10	144
35	MH2685	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	MH2685-2x	Unknown	1.000	1	4	3	144
40	MH2686	Unknown	1.000	1	4	4	144
41	MH2686-2x	Unknown	1.000	1	4	5	144
42	MH2688	Unknown	1.000	1	4	6	144
43	MH2690	Unknown	1.000	1	4	7	144
44	MH2692	Unknown	1.000	1	4	8	144
45	MH2694	Unknown	1.000	1	4	9	144
46	MH2696	Unknown	1.000	1	4	10	144

47	MH2696-2x	Unknown	1.000	1	4	11	144
48	CRIF2	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

Fully Quant Calibration

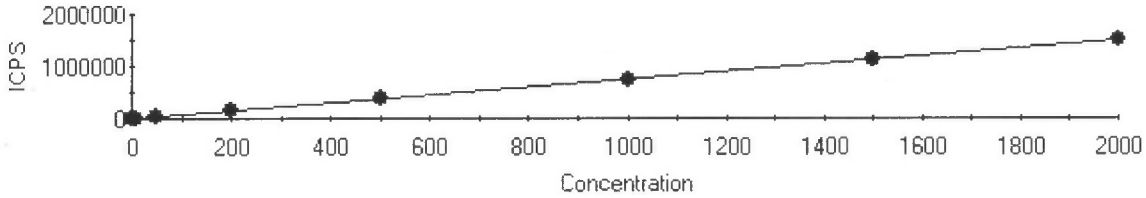
9Be FQ Block 1



Intercept CPS=11.834403 Intercept Conc=0.020403
Sensitivity=580.018479 Correlation Coeff=0.999999

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	11.83	0.00
S2	2.000	2.009	0.009	1177.12	0.45
S5	5.000	4.936	0.064	2874.64	1.29
S10	10.000	9.712	0.288	5644.76	2.88
S50	50.000	49.277	0.723	28593.15	1.45
S200	200.000	199.698	0.302	115840.39	0.15
S500	500.000	500.199	0.199	290136.79	0.04

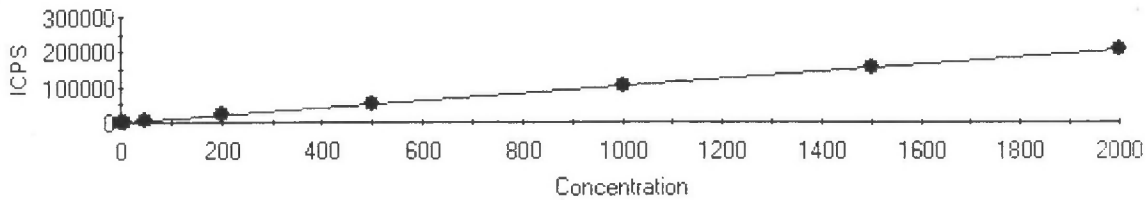
24Mg FQ Block 1



Intercept CPS=1062.161174 Intercept Conc=1.412029
Sensitivity=752.223562 Correlation Coeff=0.999924

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	1062.16	0.00
S2	2.000	1.692	0.308	2334.55	15.42
S5	5.000	4.849	0.151	4710.00	3.01
S10	10.000	10.151	0.151	8698.02	1.51
S50	50.000	50.054	0.054	38713.92	0.11
S200	200.000	197.288	2.712	149466.99	1.36
S500	500.000	513.924	13.924	387647.54	2.78
S1000	1000.000	983.709	16.291	741030.89	1.63
S1500	1500.000	1489.904	10.096	1121803.30	0.67
S2000	2000.000	2012.506	12.506	1514916.88	0.63

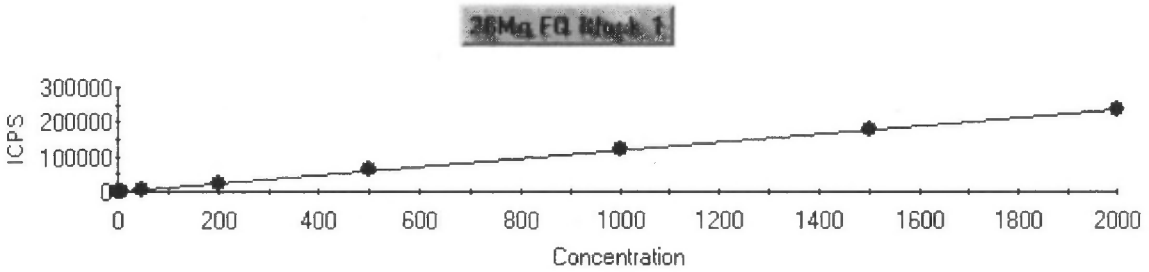
25Mg FQ Block 1



Intercept CPS=133.183464 Intercept Conc=1.283741
Sensitivity=103.746339 Correlation Coeff=0.999915

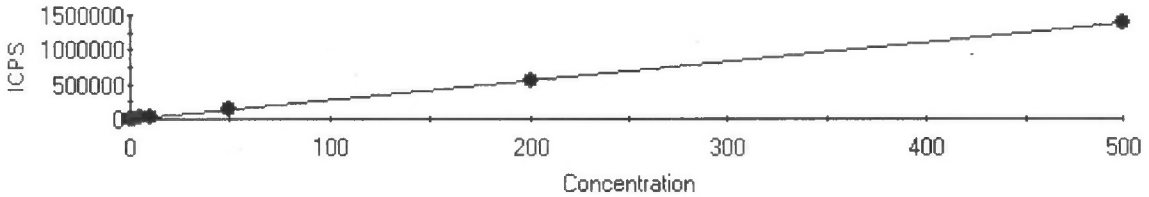
Label	Defined	Measured	Error	Mean CPS	% Error

S0	0.000	0.000	0.000	133.18	0.00
S2	2.000	2.067	0.067	347.66	3.36
S5	5.000	5.320	0.320	685.11	6.40
S10	10.000	11.053	1.053	1279.86	10.53
S50	50.000	51.156	1.156	5440.39	2.31
S200	200.000	205.001	5.001	21401.29	2.50
S500	500.000	525.787	25.787	54681.71	5.16
S1000	1000.000	996.912	3.088	103559.17	0.31
S1500	1500.000	1487.180	12.820	154422.64	0.85
S2000	2000.000	2004.177	4.177	208059.22	0.21



Intercept CPS=202.018955 Intercept Conc=1.696084
Sensitivity=119.109018 Correlation Coeff=0.999914

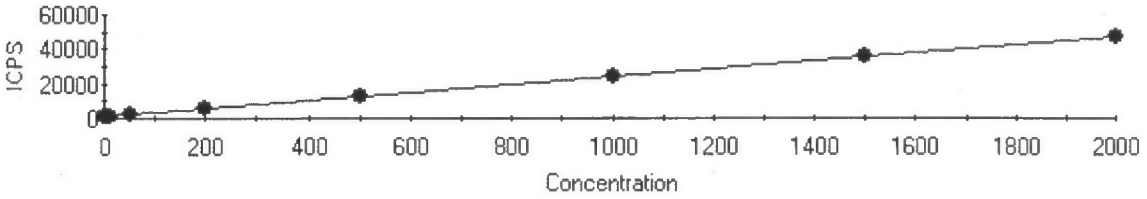
Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	202.02	0.00
S2	2.000	1.507	0.493	381.52	24.65
S5	5.000	5.087	0.087	807.91	1.74
S10	10.000	10.042	0.042	1398.11	0.42
S50	50.000	50.018	0.018	6159.62	0.04
S200	200.000	203.951	3.951	24494.42	1.98
S500	500.000	526.330	26.330	62892.69	5.27
S1000	1000.000	998.214	1.786	119098.27	0.18
S1500	1500.000	1487.571	12.429	177385.15	0.83
S2000	2000.000	2003.237	3.237	238805.59	0.16



Intercept CPS=1747.216966 Intercept Conc=0.633443
Sensitivity=2758.286500 Correlation Coeff=0.999975

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	1747.22	0.00
S2	2.000	1.942	0.058	7104.76	2.88
S5	5.000	6.931	1.931	20863.92	38.61
S10	10.000	9.897	0.103	29044.88	1.03
S50	50.000	48.546	1.454	135651.28	2.91
S200	200.000	197.138	2.862	545509.71	1.43
S500	500.000	501.292	1.292	1384455.12	0.26

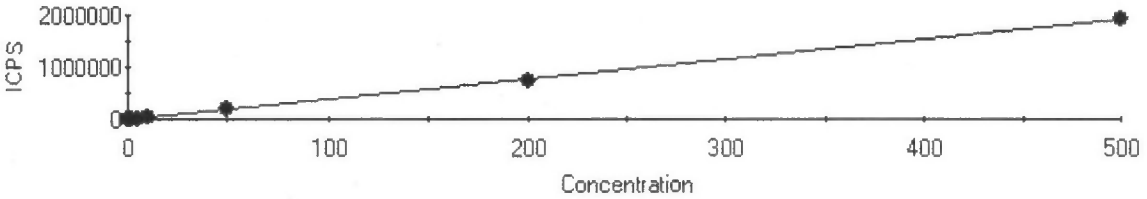
44Ca FQ Block 1



Intercept CPS=681.680397 Intercept Conc=29.164986
Sensitivity=23.373246 Correlation Coeff=0.999913

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	681.68	0.00
S2	2.000	0.090	1.910	683.78	95.50
S5	5.000	8.537	3.537	881.22	70.74
S10	10.000	14.480	4.480	1020.12	44.80
S50	50.000	52.365	2.365	1905.62	4.73
S200	200.000	208.379	8.379	5552.17	4.19
S500	500.000	511.951	11.951	12647.65	2.39
S1000	1000.000	1022.842	22.842	24588.82	2.28
S1500	1500.000	1500.813	0.813	35760.55	0.05
S2000	2000.000	1984.055	15.945	47055.49	0.80

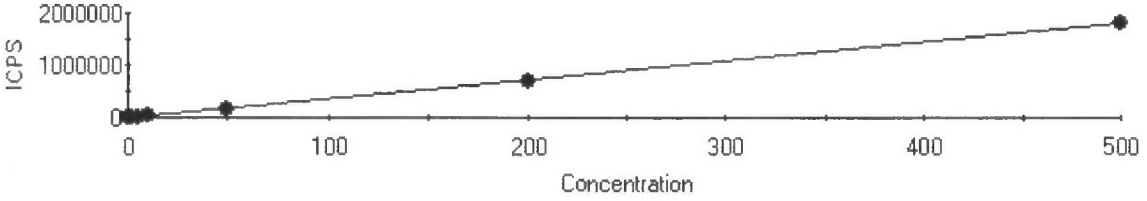
51V FQ Block 1



Intercept CPS=479.920254 Intercept Conc=0.124849
Sensitivity=3844.011757 Correlation Coeff=0.999882

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	479.92	0.00
S2	2.000	1.889	0.111	7742.82	5.53
S5	5.000	4.622	0.378	18247.96	7.55
S10	10.000	9.221	0.779	35924.28	7.79
S50	50.000	46.742	3.258	180156.69	6.52
S200	200.000	193.480	6.520	744217.59	3.26
S500	500.000	502.954	2.954	1933840.19	0.59

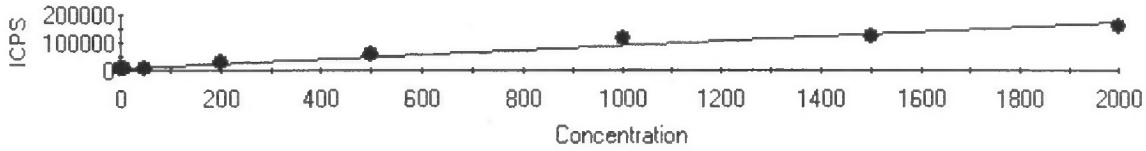
52Cr FQ Block 1



Intercept CPS=1780.631045 Intercept Conc=0.496092
Sensitivity=3589.317525 Correlation Coeff=0.999879

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	1780.63	0.00
S2	2.000	1.856	0.144	8442.04	7.21
S5	5.000	4.667	0.333	18531.52	6.66
S10	10.000	9.200	0.800	34801.40	8.00
S50	50.000	46.714	3.286	169450.97	6.57
S200	200.000	193.384	6.616	695898.56	3.31
S500	500.000	502.995	2.995	1807188.65	0.60

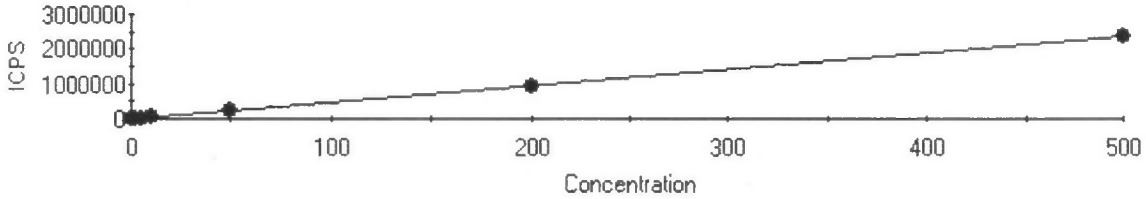
54Fe FQ Block 1



Intercept CPS=3975.187075 Intercept Conc=48.416984
Sensitivity=82.103154 Correlation Coeff=0.981287
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	3975.19	0.00
S2	2.000	0.096	1.904	4169.76	95.18
S5	5.000	0.193	4.807	4364.15	96.15
S10	10.000	0.511	9.489	5007.37	94.89
S50	50.000	2.636	47.364	9301.46	94.73
S200	200.000	10.797	189.203	25789.06	94.60
S500	500.000	27.758	472.242	60053.71	94.45
S1000	1000.000	54.669	945.331	114422.55	94.53
S1500	1500.000	56.538	1443.462	118198.85	96.23
S2000	2000.000	75.437	1924.563	156380.07	96.23

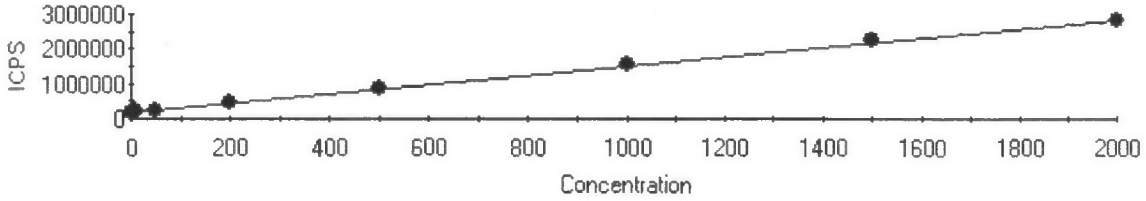
55Mn FQ Block 1



Intercept CPS=307.659924 Intercept Conc=0.065788
Sensitivity=4676.555477 Correlation Coeff=0.999896

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	307.66	0.00
S2	2.000	1.852	0.148	8967.72	7.41
S5	5.000	4.683	0.317	22209.14	6.34
S10	10.000	9.266	0.734	43638.80	7.34
S50	50.000	46.512	3.488	217824.37	6.98
S200	200.000	194.008	5.992	907596.67	3.00
S500	500.000	502.764	2.764	2351511.61	0.55

56Fe FQ Block 1

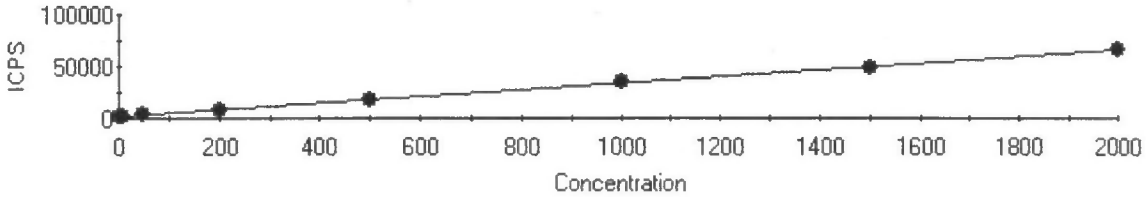


Intercept CPS=191318.176354 Intercept Conc=143.984026
Sensitivity=1328.745850 Correlation Coeff=0.999768

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	191318.18	0.00
S2	2.000	1.977	0.023	193945.38	1.14
S5	5.000	4.123	0.877	196797.17	17.53
S10	10.000	8.534	1.466	202657.25	14.66
S50	50.000	46.818	3.182	253527.51	6.36

S200	200.000	190.223	9.777	444076.46	4.89
S500	500.000	504.039	4.039	861058.06	0.81
S1000	1000.000	1014.558	14.558	1539408.10	1.46
S1500	1500.000	1530.841	30.841	2225417.17	2.06
S2000	2000.000	1969.647	30.353	2808478.41	1.52

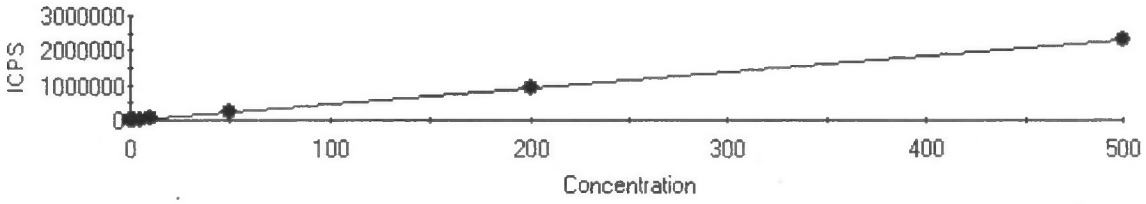
57Fe FQ Block 1



Intercept CPS=1824.069105 Intercept Conc=57.920752
Sensitivity=31.492497 Correlation Coeff=0.999960

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-5.477	5.477	1651.59	0.00
S2	2.000	1.459	0.541	1870.01	27.06
S5	5.000	4.586	0.414	1968.48	8.29
S10	10.000	4.662	5.338	1970.87	53.38
S50	50.000	48.694	1.306	3357.56	2.61
S200	200.000	202.323	2.323	8195.73	1.16
S500	500.000	506.959	6.959	17789.48	1.39
S1000	1000.000	1012.748	12.748	33718.05	1.27
S1500	1500.000	1493.511	6.489	48858.45	0.43
S2000	2000.000	1996.580	3.420	64701.36	0.17

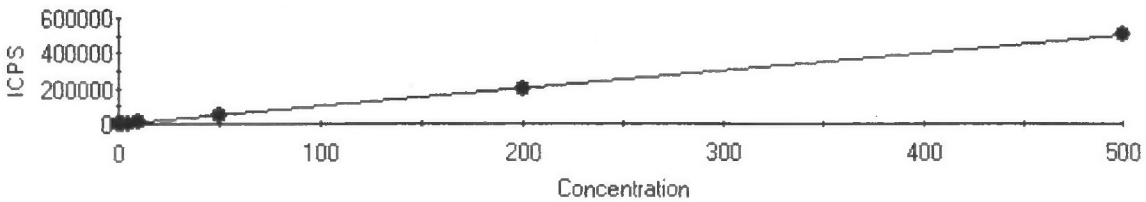
59Co FQ Block 1



Intercept CPS=25.975657 Intercept Conc=0.005635
Sensitivity=4609.924140 Correlation Coeff=0.999928

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	25.98	0.00
S2	2.000	1.861	0.139	8603.97	6.96
S5	5.000	4.683	0.317	21612.95	6.35
S10	10.000	9.185	0.815	42369.98	8.15
S50	50.000	46.937	3.063	216403.05	6.13
S200	200.000	195.066	4.934	899264.45	2.47
S500	500.000	502.300	2.300	2315590.80	0.46

60Ni FQ Block 1

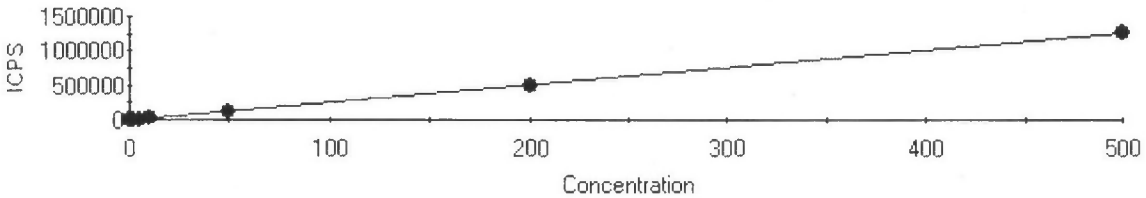


Intercept CPS=38.053694 Intercept Conc=0.037199
Sensitivity=1022.980422 Correlation Coeff=0.999978

Label	Defined	Measured	Error	Mean CPS	% Error

S0	0.000	0.000	0.000	38.05	0.00
S2	2.000	1.957	0.043	2039.89	2.16
S5	5.000	4.887	0.113	5037.61	2.25
S10	10.000	9.505	0.495	9761.77	4.95
S50	50.000	48.284	1.716	49431.63	3.43
S200	200.000	197.286	2.714	201858.14	1.36
S500	500.000	501.268	1.268	512825.66	0.25

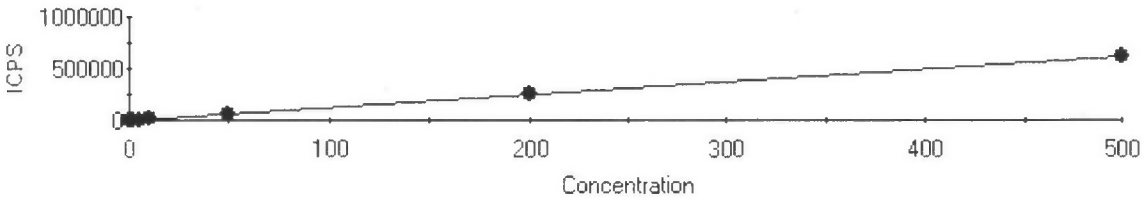
63Cu FQ Block 1



Intercept CPS=161.114193 Intercept Conc=0.063115
Sensitivity=2552.691597 Correlation Coeff=0.999940

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	161.11	0.00
S2	2.000	1.882	0.118	4966.16	5.88
S5	5.000	4.819	0.181	12462.14	3.62
S10	10.000	9.405	0.595	24170.28	5.95
S50	50.000	47.271	2.729	120829.61	5.46
S200	200.000	195.503	4.497	499220.72	2.25
S500	500.000	502.086	2.086	1281831.19	0.42

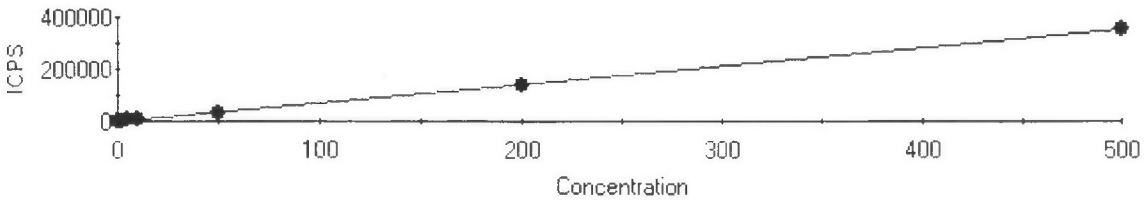
65Cu FQ Block 1



Intercept CPS=81.037832 Intercept Conc=0.066483
Sensitivity=1218.929164 Correlation Coeff=0.999977

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	81.04	0.00
S2	2.000	2.001	0.001	2520.12	0.05
S5	5.000	4.897	0.103	6050.52	2.05
S10	10.000	9.454	0.546	11604.38	5.46
S50	50.000	47.831	2.169	58383.23	4.34
S200	200.000	197.485	2.515	240801.27	1.26
S500	500.000	501.235	1.235	611050.85	0.25

66Zn FQ Block 1

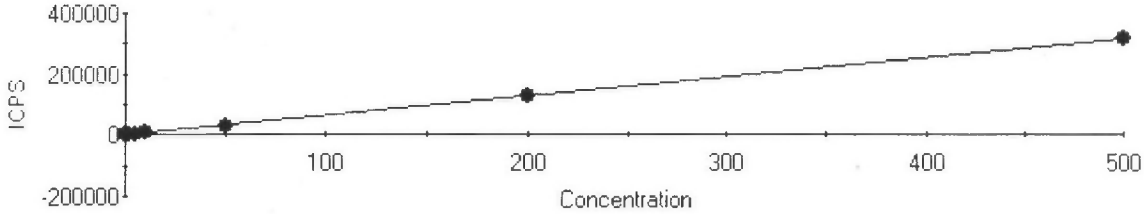


Intercept CPS=268.881042 Intercept Conc=0.380109
Sensitivity=707.378708 Correlation Coeff=0.999981

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	268.88	0.00

S2	2.000	2.409	0.409	1972.60	20.43
S5	5.000	5.364	0.364	4063.59	7.29
S10	10.000	10.075	0.075	7395.48	0.75
S50	50.000	48.530	1.470	34598.25	2.94
S200	200.000	197.766	2.234	140164.50	1.12
S500	500.000	501.034	1.034	354689.45	0.21

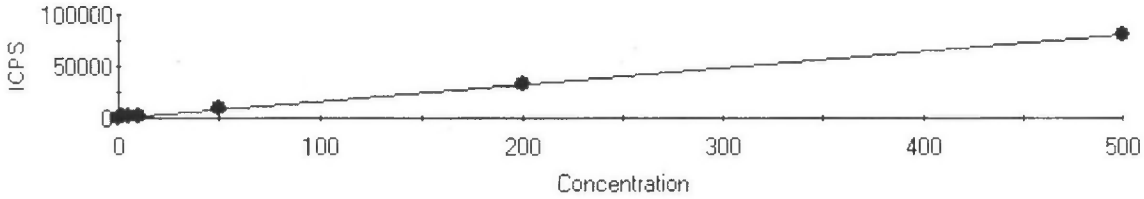
75As FQ Block 1



Intercept CPS=-40.287996 Intercept Conc=-0.064244
Sensitivity=627.110573 Correlation Coeff=0.999991

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	-40.29	0.00
S2	2.000	1.980	0.020	1201.66	0.98
S5	5.000	4.894	0.106	3028.95	2.12
S10	10.000	9.586	0.414	5971.43	4.14
S50	50.000	48.470	1.530	30355.80	3.06
S200	200.000	198.453	1.547	124411.89	0.77
S500	500.000	500.781	0.781	314004.82	0.16

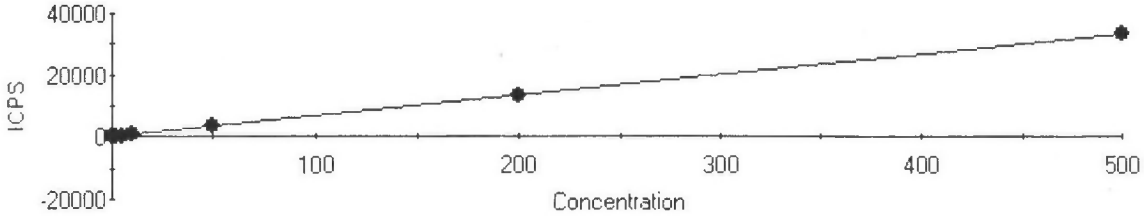
78Se FQ Block 1



Intercept CPS=942.805491 Intercept Conc=5.843140
Sensitivity=161.352547 Correlation Coeff=0.999997

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	942.81	0.00
S2	2.000	2.141	0.141	1288.27	7.05
S5	5.000	5.174	0.174	1777.57	3.47
S10	10.000	9.594	0.406	2490.88	4.06
S50	50.000	48.913	1.087	8835.08	2.17
S200	200.000	200.273	0.273	33257.40	0.14
S500	500.000	500.005	0.005	81619.92	0.00

82Se FQ Block 1

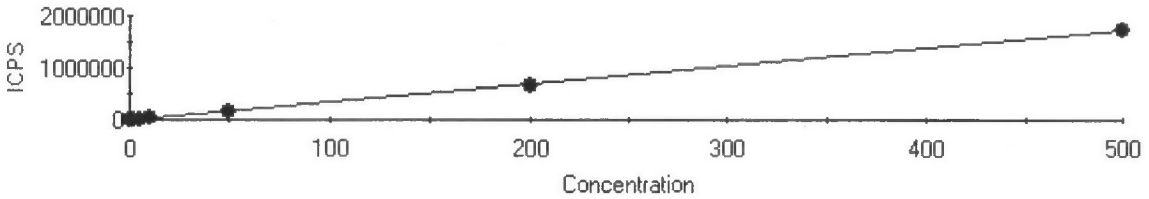


Intercept CPS=-1.472645 Intercept Conc=-0.022041
Sensitivity=66.814993 Correlation Coeff=0.999993

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	-1.47	0.00
S2	2.000	2.036	0.036	134.55	1.79

S5	5.000	4.779	0.221	317.82	4.42
S10	10.000	9.665	0.335	644.32	3.35
S50	50.000	48.602	1.398	3245.87	2.80
S200	200.000	198.772	1.228	13279.48	0.61
S500	500.000	500.640	0.640	33448.77	0.13

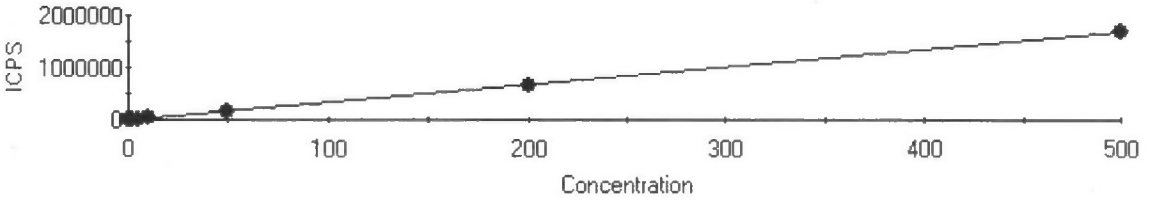
107Ag FQ Block 1



Intercept CPS=48.938804 Intercept Conc=0.014145
Sensitivity=3459.812860 Correlation Coeff=0.999884

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	48.94	0.00
S2	2.000	1.880	0.120	6553.31	6.00
S5	5.000	4.721	0.279	16381.35	5.59
S10	10.000	9.255	0.745	32070.28	7.45
S50	50.000	46.852	3.148	162148.14	6.30
S200	200.000	193.523	6.477	669601.27	3.24
S500	500.000	502.924	2.924	1740071.47	0.58

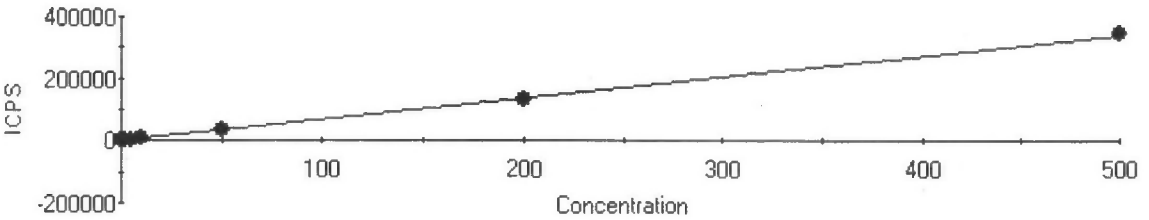
109Ag FQ Block 1



Intercept CPS=30.162582 Intercept Conc=0.008931
Sensitivity=3377.313614 Correlation Coeff=0.999871

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	30.16	0.00
S2	2.000	1.879	0.121	6376.10	6.05
S5	5.000	4.756	0.244	16094.09	4.87
S10	10.000	9.283	0.717	31382.18	7.17
S50	50.000	46.948	3.052	158586.87	6.10
S200	200.000	193.093	6.907	652164.83	3.45
S500	500.000	503.085	3.085	1699107.37	0.62

111Cd FQ Block 1

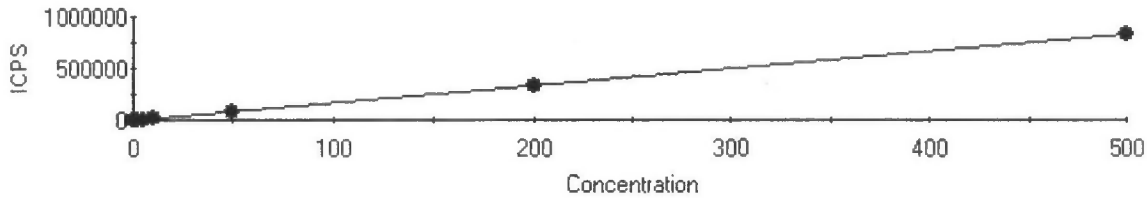


Intercept CPS=1.563938 Intercept Conc=0.002276
Sensitivity=687.228226 Correlation Coeff=0.999962

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	1.56	0.00
S2	2.000	1.943	0.057	1336.69	2.86
S5	5.000	4.841	0.159	3328.25	3.19

S10	10.000	9.523	0.477	6545.88	4.77
S50	50.000	48.561	1.439	33374.37	2.88
S200	200.000	196.190	3.810	134828.73	1.91
S500	500.000	501.679	1.679	344769.74	0.34

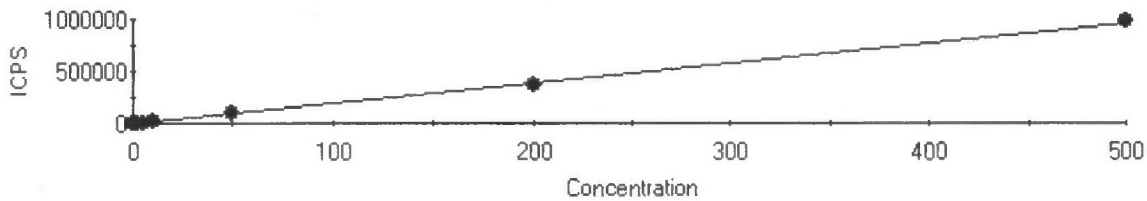
114Cd FQ Block 1



Intercept CPS=7.097389 Intercept Conc=0.004326
Sensitivity=1640.821068 Correlation Coeff=0.999932

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	7.10	0.00
S2	2.000	1.863	0.137	3063.74	6.86
S5	5.000	4.772	0.228	7837.82	4.55
S10	10.000	9.476	0.524	15555.12	5.24
S50	50.000	47.785	2.215	78414.16	4.43
S200	200.000	194.998	5.002	319964.55	2.50
S500	500.000	502.235	2.235	824085.57	0.45

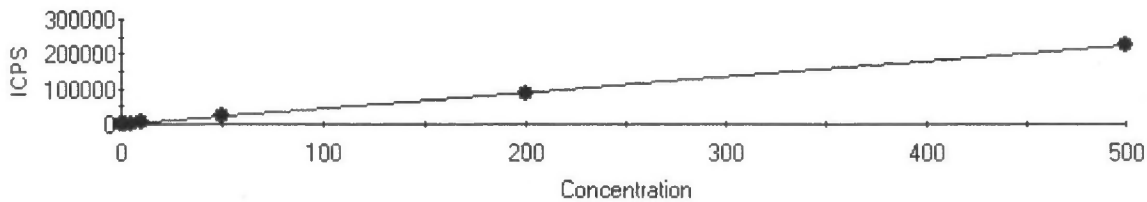
115In FQ Block 1



Intercept CPS=55.448686 Intercept Conc=0.028617
Sensitivity=1937.605011 Correlation Coeff=0.999883

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	55.45	0.00
S2	2.000	1.849	0.151	3638.33	7.54
S5	5.000	4.663	0.337	9089.62	6.75
S10	10.000	9.270	0.730	18016.52	7.30
S50	50.000	47.033	2.967	91186.05	5.93
S200	200.000	193.415	6.585	374816.53	3.29
S500	500.000	502.949	2.949	974572.89	0.59

135Ba FQ Block 1

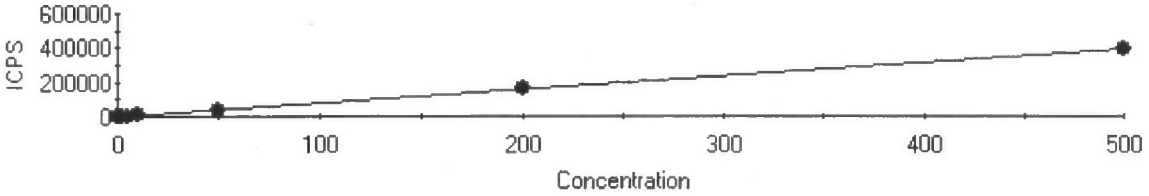


Intercept CPS=3.486874 Intercept Conc=0.007779
Sensitivity=448.219307 Correlation Coeff=0.999992

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	3.49	0.00
S2	2.000	1.946	0.054	875.62	2.71
S5	5.000	4.925	0.075	2210.99	1.50
S10	10.000	9.691	0.309	4347.11	3.09

S50	50.000	48.904	1.096	21923.17	2.19
S200	200.000	198.397	1.603	88928.82	0.80
S500	500.000	500.758	0.758	224452.88	0.15

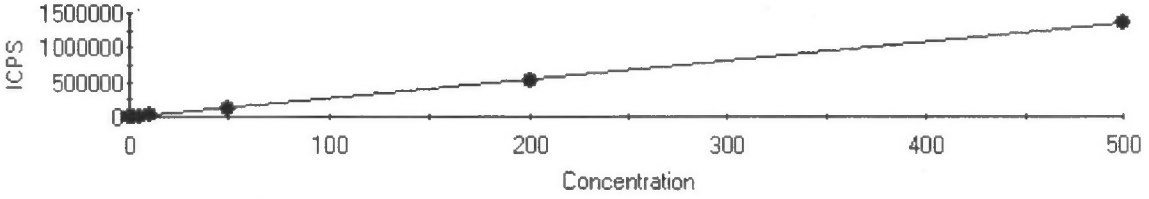
137Ba FQ Block 1



Intercept CPS=4.474814 Intercept Conc=0.005648
Sensitivity=792.327872 Correlation Coeff=0.999971

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	4.47	0.00
S2	2.000	1.847	0.153	1468.09	7.64
S5	5.000	4.882	0.118	3872.95	2.35
S10	10.000	9.557	0.443	7577.06	4.43
S50	50.000	48.052	1.948	38077.56	3.90
S200	200.000	196.906	3.094	156018.32	1.55
S500	500.000	501.443	1.443	397311.86	0.29

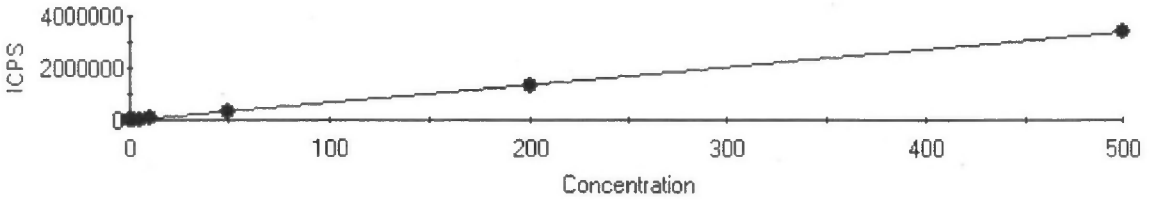
203Tl FQ Block 1



Intercept CPS=63.198376 Intercept Conc=0.023345
Sensitivity=2707.102875 Correlation Coeff=0.999892

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	63.20	0.00
S2	2.000	1.862	0.138	5104.40	6.89
S5	5.000	4.748	0.252	12916.11	5.04
S10	10.000	9.345	0.655	25360.59	6.55
S50	50.000	46.871	3.129	126948.64	6.26
S200	200.000	193.794	6.206	524684.39	3.10
S500	500.000	502.811	2.811	1361225.15	0.56

205Tl FQ Block 1

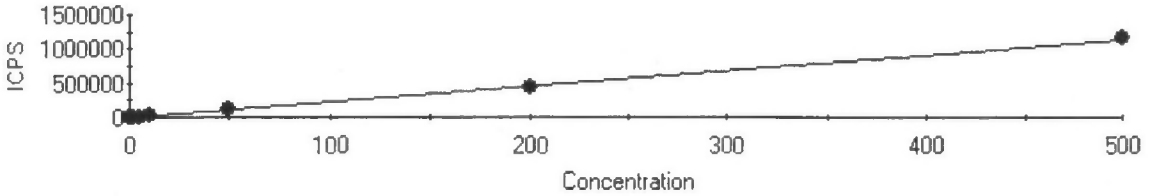


Intercept CPS=158.471953 Intercept Conc=0.023457
Sensitivity=6755.804448 Correlation Coeff=0.999687

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	158.47	0.00
S2	2.000	1.815	0.185	12417.31	9.27
S5	5.000	4.532	0.468	30773.41	9.37
S10	10.000	8.986	1.014	60868.49	10.14
S50	50.000	45.286	4.714	306098.46	9.43

S200	200.000	189.224	10.776	1278517.10	5.39
S500	500.000	504.808	4.808	3410540.24	0.96

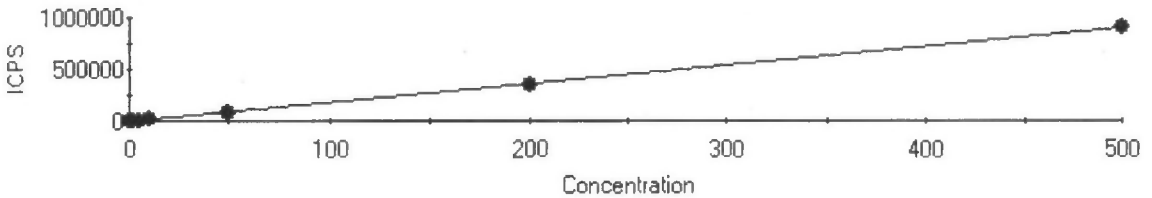
206Pb FQ Block 1



Intercept CPS=66.989333 Intercept Conc=0.029485
Sensitivity=2271.968538 Correlation Coeff=0.999923

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	66.99	0.00
S2	2.000	1.857	0.143	4287.01	7.13
S5	5.000	4.749	0.251	10857.58	5.01
S10	10.000	9.445	0.555	21526.68	5.55
S50	50.000	47.267	2.733	107455.63	5.47
S200	200.000	194.750	5.250	442533.61	2.62
S500	500.000	502.387	2.387	1141475.26	0.48

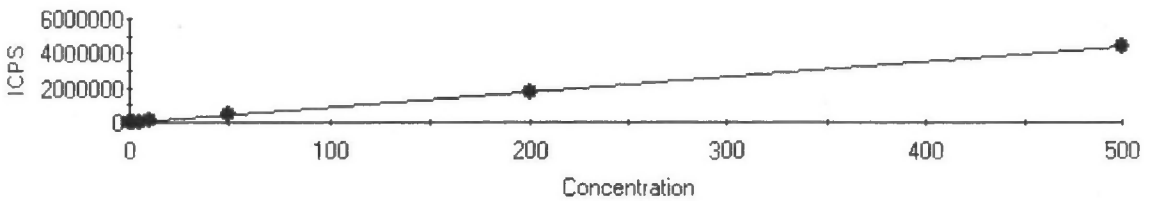
207Pb FQ Block 1



Intercept CPS=54.136053 Intercept Conc=0.030115
Sensitivity=1797.652768 Correlation Coeff=0.999933

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	54.14	0.00
S2	2.000	1.896	0.104	3463.08	5.18
S5	5.000	4.753	0.247	8599.19	4.93
S10	10.000	9.501	0.499	17133.81	4.99
S50	50.000	47.410	2.590	85281.65	5.18
S200	200.000	195.145	4.855	350857.20	2.43
S500	500.000	502.214	2.214	902860.14	0.44

208Pb FQ Block 1



Intercept CPS=255.712301 Intercept Conc=0.029183
Sensitivity=8762.231689 Correlation Coeff=0.999867

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	255.71	0.00
S2	2.000	1.840	0.160	16374.86	8.02
S5	5.000	4.691	0.309	41362.02	6.17
S10	10.000	9.266	0.734	81445.50	7.34
S50	50.000	46.688	3.312	409343.17	6.62
S200	200.000	193.034	6.966	1691661.27	3.48

S500	500.000	503.136	3.136	4408851.60	0.63

Dilution Corrected Concentrations

S0 07/02/2008 20:52:16

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	20:52:53	98.57%	-0.0029	-0.8953	-0.9385	-0.8795	0.0199	-2.0192	96.84%
2	20:53:30	99.38%	0.0056	-0.6972	-0.5572	-0.7258	0.0079	-0.6303	99.64%
3	20:54:07	100.72%	-0.0047	0.1446	0.0074	0.1365	-0.0106	-0.7834	100.86%
4	20:54:43	100.82%	0.0010	1.0143	0.9565	1.3757	-0.0007	1.3580	101.43%
5	20:55:20	100.52%	0.0010	0.4336	0.5319	0.0931	-0.0166	2.0749	101.25%
x		100.00%	0.0000	0.0000	0.0000	-0.0000	0.0000	0.0000	100.00%
%RSD		0.99	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.90

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:52:53	0.0026	-0.0039	0.0280	ID 0.0662	-0.0194	3.2918	-3.3864	0.0005
2	20:53:30	-0.0081	-0.0048	0.0227	ID -0.0478	-0.0025	1.2386	-5.4287	-0.0029
3	20:54:07	0.0015	0.0205	-0.0195	ID -0.0686	-0.0006	-0.7733	-3.4561	-0.0003
4	20:54:43	-0.0044	-0.0121	-0.0341	ID 0.0300	0.0133	-1.9846	-7.5011	-0.0003
5	20:55:20	0.0085	0.0003	0.0028	ID 0.0201	0.0092	-1.7725	-7.6123	0.0029
x		-0.0000	-0.0000	-0.0000	ID 0.0000	-0.0000	0.0000	-5.4769	-0.0000
%RSD		0.0000	0.0000	0.0000	ID 0.0000	0.0000	0.0000	37.7660	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	20:52:53	0.0006	0.0046	0.0076	-0.0338	0.0552	0.1191	0.1753	0.0697
2	20:53:30	0.0143	0.0018	-0.0088	0.0317	0.0020	-0.1605	-0.0166	0.3939
3	20:54:07	-0.0009	-0.0030	-0.0055	0.0121	-0.0390	0.1104	-0.0653	-0.4126
4	20:54:43	0.0014	-0.0041	0.0145	-0.0207	-0.0060	0.1326	-0.0159	0.1078
5	20:55:20	-0.0155	0.0007	-0.0077	0.0108	-0.0121	-0.2016	-0.0774	-0.1588
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	20:52:53	97.09%	-0.0003	0.0631	-0.0016	0.0031	0.0026	96.01%	0.0000
2	20:53:30	99.49%	-0.0040	-0.8168	-0.0019	-0.0026	-0.0031	99.83%	0.0000
3	20:54:07	101.02%	-0.0023	-0.1091	-0.0020	-0.0008	-0.0016	100.91%	0.0000
4	20:54:43	101.14%	0.0065	0.0401	0.0031	0.0010	0.0015	101.46%	0.0000
5	20:55:20	101.26%	0.0001	0.8228	0.0024	-0.0008	0.0007	101.79%	0.0000
x		100.00%	0.0000	-0.0000	0.0000	-0.0000	-0.0000	100.00%	0.0000
%RSD		1.78	0.0000	0.0000	0.0000	0.0000	0.0000	2.35	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	20:52:53	-0.0018	-0.0020	-0.0024	T 96.49%	-0.0013	-0.0000	-0.0009	0.0103
2	20:53:30	-0.0002	-0.0022	-0.0025	T 100.25%	-0.0002	-0.0014	0.0003	-0.0050
3	20:54:07	-0.0056	-0.0078	0.0006	T 100.69%	-0.0032	0.0004	0.0022	-0.0094
4	20:54:43	0.0057	0.0197	0.0006	T 101.15%	0.0017	-0.0023	-0.0035	0.0041
5	20:55:20	0.0018	-0.0078	0.0037	T 101.41%	0.0030	0.0033	0.0019	0.0000
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 2.01	0.0000	0.0000	0.0000	0.0000

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	20:52:53	0.0028	96.28%	0.0000
2	20:53:30	-0.0017	99.67%	0.0000
3	20:54:07	0.0002	100.82%	0.0000
4	20:54:43	-0.0020	101.65%	0.0000
5	20:55:20	0.0006	101.58%	0.0000
x		0.0000	100.00%	0.0000
%RSD		0.0000	2.23	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	20:58:16	96.60%	1.9582	1.0390	1.1482	1.0423	2.0156	-0.6301	93.62%
2	20:58:52	97.23%	1.9739	1.5278	2.4613	1.5237	1.8896	0.7415	95.78%
3	20:59:29	98.65%	2.0791	1.5836	2.7466	1.6014	1.9460	1.7533	97.44%
4	21:00:06	100.29%	2.0251	2.3539	1.4281	1.6797	1.9353	0.0309	98.73%
5	21:00:42	101.21%	2.0090	1.9532	2.5521	1.6880	1.9253	-1.4454	99.79%
x		98.80%	2.0091	1.6915	2.0673	1.5070	1.9423	0.0900	97.07%
%RSD		1.98	2.3582	29.1350	35.0910	17.7980	2.3734	1368.4000	2.52

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:58:16	0.0996	1.9281	1.9006	ID 0.1843	1.8650	3.8865	4.5389	1.8480
2	20:58:52	0.0618	1.8637	1.9075	ID 0.0663	1.8131	2.8363	0.3633	1.8894
3	20:59:29	0.0318	1.9106	1.8291	ID 0.1489	1.9041	0.7183	-0.5667	1.9151
4	21:00:06	0.0528	1.8771	1.7768	ID 0.0474	1.8740	1.5321	1.6057	1.8088
5	21:00:42	0.0007	1.8676	1.8655	ID 0.0347	1.8028	0.9127	1.3530	1.8425
x		0.0493	1.8894	1.8559	ID 0.0963	1.8518	1.9772	1.4588	1.8608
%RSD		74.2770	1.5043	2.9172	ID 68.8700	2.3057	68.3230	131.9500	2.2423

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	20:58:16	1.8209	1.8706	1.9854	2.3838	1.9408	2.7506	1.8956	-0.1804
2	20:58:52	2.0252	1.9109	1.9973	2.5045	1.9494	1.8692	1.7753	-0.3254
3	20:59:29	2.0011	1.8706	2.0372	2.3345	1.9469	2.2341	2.0336	0.9150
4	21:00:06	1.9546	1.9011	1.9755	2.4982	2.0308	1.8963	2.1030	-0.4468
5	21:00:42	1.9826	1.8585	2.0096	2.3215	2.0343	1.9552	2.3715	-0.4863
x		1.9569	1.8823	2.0010	2.4085	1.9804	2.1411	2.0358	-0.1048
%RSD		4.1031	1.1908	1.1959	3.6500	2.4072	17.2960	11.1140	555.8000

Run	Time	89Y	107Ag	108MoO	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	20:58:16	90.71%	1.8732	-2.0179	1.9034	1.9177	1.8903	89.18%	0.0000
2	20:58:52	94.34%	1.9269	-1.0892	1.9220	1.9480	1.8921	93.49%	0.0000
3	20:59:29	96.52%	1.8618	-0.5814	1.8671	1.9614	1.8560	95.89%	0.0000
4	21:00:06	97.45%	1.8536	-0.7559	1.8615	2.0393	1.8170	97.06%	0.0000
5	21:00:42	98.50%	1.8845	-0.7880	1.8409	1.8474	1.8589	98.57%	0.0000
x		95.51%	1.8800	-1.0465	1.8790	1.9428	1.8629	94.84%	0.0000
%RSD		3.24	1.5271	54.7500	1.7541	3.5868	1.6482	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	20:58:16	1.8133	2.0031	1.9195	85.31%	1.8514	1.8268	1.8342	1.9443
2	20:58:52	1.8410	1.8830	1.8325	T 92.26%	1.8442	1.8102	1.8931	1.8545
3	20:59:29	1.7839	2.0253	1.8691	T 94.99%	1.8582	1.8077	1.8733	1.8617
4	21:00:06	1.8673	1.9618	1.8844	T 96.60%	1.8858	1.8061	1.8107	1.9121
5	21:00:42	1.9402	1.8557	1.7307	T 97.70%	1.8714	1.8220	1.8759	1.9091
x		1.8491	1.9458	1.8472	T 93.37%	1.8622	1.8146	1.8574	1.8963
%RSD		3.2256	3.8037	3.9115	T 5.30	0.8898	0.5083	1.8231	1.9835

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	20:58:16	1.8407	87.23%	0.0000
2	20:58:52	1.8439	91.80%	0.0000
3	20:59:29	1.8354	94.92%	0.0000
4	21:00:06	1.8150	96.47%	0.0000
5	21:00:42	1.8631	97.62%	0.0000
x		1.8396	93.61%	0.0000
%RSD		0.9404	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	21:03:38	96.47%	4.8888	4.4534	3.6359	4.5819	7.0187	9.8905	93.55%
2	21:04:15	97.18%	5.0310	4.3806	4.5750	4.6751	7.0703	7.1662	95.29%
3	21:04:52	98.26%	5.0176	5.1206	5.9281	5.2766	6.7826	7.2429	96.86%
4	21:05:28	97.81%	4.9003	5.1070	5.8042	5.7635	6.9121	7.5800	98.03%
5	21:06:05	99.47%	4.8408	5.1854	6.6566	5.1371	6.8695	10.8050	98.39%
x		97.84%	4.9357	4.8494	5.3200	5.0869	6.9306	8.5369	96.42%
%RSD		1.16	1.7027	8.1795	22.6000	9.4321	1.6645	19.8140	2.09

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	21:03:38	0.0657	4.5153	4.7697	ID 0.1275	4.7431	5.4859	12.6140	4.6405
2	21:04:15	0.0375	4.6359	4.7417	ID 0.1594	4.6184	4.9334	6.2582	4.7537
3	21:04:52	0.0238	4.6546	4.6219	ID 0.2614	4.6916	4.2099	2.6059	4.7131
4	21:05:28	0.0060	4.7076	4.5566	ID 0.1996	4.6483	3.4344	0.9891	4.6791
5	21:06:05	0.0079	4.5980	4.6444	ID 0.2147	4.7149	2.5535	0.4608	4.6272
x		0.0282	4.6223	4.6669	ID 0.1925	4.6832	4.1234	4.5855	4.6827
%RSD		87.2090	1.5502	1.8820	ID 26.7480	1.0723	28.3320	109.6400	1.1111

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	21:03:38	4.9409	4.8222	4.9764	5.4988	5.0067	5.6071	5.2816	-0.0251
2	21:04:15	4.7422	4.8201	5.0083	5.5563	4.9589	5.1935	4.2186	0.9859
3	21:04:52	4.8963	4.7975	4.6761	5.2402	4.9562	5.1540	4.9094	-0.4157
4	21:05:28	4.9164	4.8910	4.9562	5.2579	4.7584	5.1532	4.7256	-0.2473
5	21:06:05	4.9405	4.7634	4.8696	5.2692	4.7910	4.7600	4.7589	0.1175
x		4.8873	4.8188	4.8973	5.3645	4.8942	5.1735	4.7788	0.0831
%RSD		1.7023	0.9710	2.7346	2.8069	2.2788	5.7997	8.0154	655.5700

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	21:03:38	89.75%	4.6848	-1.0866	4.7875	4.7817	4.7638	88.48%	0.0000
2	21:04:15	92.93%	4.7252	-0.8290	4.7469	4.9611	4.8764	91.51%	0.0000
3	21:04:52	95.16%	4.7093	-0.5155	4.7057	4.6048	4.7340	94.31%	0.0000
4	21:05:28	96.53%	4.7197	-1.2568	4.7426	4.9158	4.7567	96.28%	0.0000
5	21:06:05	98.47%	4.7640	-0.2387	4.7993	4.9403	4.7314	97.27%	0.0000
x		94.57%	4.7206	-0.7853	4.7564	4.8407	4.7724	93.57%	0.0000
%RSD		3.56	0.6099	52.7550	0.7910	3.0842	1.2527	3.84	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	21:03:38	4.6054	4.9058	4.9031	T 86.42%	4.7550	4.5302	4.8072	4.7132
2	21:04:15	4.5871	4.5939	4.7669	T 90.47%	4.7473	4.5767	4.6803	4.7635
3	21:04:52	4.6261	4.8305	4.9804	T 93.55%	4.7652	4.5116	4.7321	4.8135
4	21:05:28	4.7997	4.9882	4.8762	T 95.73%	4.7342	4.5254	4.7619	4.7547
5	21:06:05	4.6944	5.3069	4.8855	T 97.34%	4.7376	4.5144	4.7657	4.7224
x		4.6625	4.9251	4.8824	T 92.70%	4.7478	4.5317	4.7494	4.7535
%RSD		1.8606	5.2630	1.5672	T 4.70	0.2666	0.5812	0.9897	0.8343

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	21:03:38	4.6915	85.47%	0.0000
2	21:04:15	4.6799	89.47%	0.0000
3	21:04:52	4.7100	92.84%	0.0000
4	21:05:28	4.6788	95.00%	0.0000
5	21:06:05	4.6963	97.16%	0.0000
x		4.6913	91.99%	0.0000
%RSD		0.2742	5.03	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	21:09:00	97.20%	9.7381	9.4232	10.1030	8.6175	9.8809	13.2320	95.79%
2	21:09:37	99.79%	9.6754	9.5916	10.7490	10.2250	9.7557	12.1340	98.86%
3	21:10:14	101.34%	9.6903	10.2350	11.7520	10.4560	9.7686	14.9540	99.77%
4	21:10:50	99.86%	9.7004	10.8280	12.4320	11.2550	10.0570	16.2680	100.47%
5	21:11:27	101.43%	9.7540	10.6770	10.2270	9.6570	10.0210	15.8100	101.22%
x		99.92%	9.7116	10.1510	11.0530	10.0420	9.8966	14.4800	99.22%
%RSD		1.71	0.3410	6.2020	9.1208	9.7728	1.4075	12.0850	2.12

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	21:09:00	0.0684	9.3223	9.2829	ID 0.4676	9.1920	11.2990	10.5740	9.3664
2	21:09:37	0.0421	9.1466	9.0415	ID 0.6284	9.2911	9.4614	1.5836	9.1750
3	21:10:14	-0.0020	9.0912	9.2044	ID 0.5042	9.2067	6.6263	5.9049	9.1359
4	21:10:50	0.0389	9.3194	9.1785	ID 0.5010	9.2358	7.7609	0.7370	9.0508
5	21:11:27	0.0098	9.2239	9.2914	ID 0.4533	9.4025	7.5204	4.5083	9.1989
x		0.0314	9.2207	9.1997	ID 0.5109	9.2656	8.5337	4.6616	9.1854
%RSD		88.9030	1.1156	1.0982	ID 13.5400	0.9214	21.7430	84.0480	1.2606

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	21:09:00	9.3161	9.4721	9.3608	10.1720	9.7976	9.8904	9.9862	0.0105
2	21:09:37	9.7347	9.3295	9.5723	10.1210	9.4574	9.7211	9.3951	-0.5221
3	21:10:14	9.4172	9.5672	9.2702	10.0420	9.5846	9.3620	9.8443	-0.0152
4	21:10:50	9.3636	9.1999	9.5857	9.8648	9.3798	9.4386	9.2261	-0.5696
5	21:11:27	9.6947	9.4585	9.4794	10.1730	9.7124	9.5596	9.8752	0.4612
x		9.5053	9.4054	9.4537	10.0750	9.5864	9.5943	9.6654	-0.1270
%RSD		2.0519	1.5173	1.4431	1.2790	1.8056	2.2304	3.4510	336.1600

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	21:09:00	94.41%	9.2939	-1.6006	9.3648	9.4760	9.3933	94.04%	0.0000
2	21:09:37	98.07%	9.3182	-0.2500	9.2091	9.7299	9.4847	97.96%	0.0000
3	21:10:14	100.41%	9.1697	0.0623	9.2438	9.3938	9.5259	100.30%	0.0000
4	21:10:50	101.04%	9.1940	0.5361	9.2885	9.7189	9.4210	101.33%	0.0000
5	21:11:27	101.57%	9.3003	-0.2493	9.3094	9.2952	9.5538	101.72%	0.0000
x		99.10%	9.2552	-0.3003	9.2831	9.5228	9.4758	99.07%	0.0000
%RSD		2.97	0.7359	264.6900	0.6465	2.0469	0.7175	3.20	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	21:09:00	9.2534	9.6573	9.7311	89.68%	9.3565	9.0385	9.4720	9.5270
2	21:09:37	9.1898	9.9638	8.9684	T 97.61%	9.3333	8.9660	9.5119	9.3263
3	21:10:14	9.1614	9.7223	10.0360	T 99.64%	9.4037	9.0603	9.3347	9.4496
4	21:10:50	9.5041	9.6852	9.3717	T 101.52%	9.2233	8.9548	9.5173	9.5299
5	21:11:27	9.2400	9.4256	9.6796	T 102.12%	9.4074	8.9122	9.3912	9.6727
x		9.2697	9.6909	9.5574	T 98.12%	9.3448	8.9863	9.4454	9.5011
%RSD		1.4694	1.9780	4.2361	T 5.13	0.8011	0.6835	0.8449	1.3328

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	21:09:00	9.2656	92.37%	0.0000
2	21:09:37	9.3295	97.10%	0.0000
3	21:10:14	9.1825	100.36%	0.0000
4	21:10:50	9.2732	102.50%	0.5527
5	21:11:27	9.2785	102.85%	0.5508
x		9.2659	99.04%	0.2207
%RSD		0.5713	4.42	136.9300

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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	21:14:24	97.06%	48.5800	47.2730	48.5350	49.2130	48.4050	43.5330	93.17%
2	21:15:00	97.61%	48.9100	48.7370	50.0170	47.2220	49.1420	51.6920	94.63%
3	21:15:37	97.15%	49.6190	51.6650	50.7200	48.4850	48.8300	60.6440	96.02%
4	21:16:14	97.13%	49.6950	51.4820	52.2520	52.8850	47.9150	55.2600	96.47%
5	21:16:50	97.06%	49.5790	51.1130	54.2540	52.2850	48.4390	50.6950	96.51%
x		97.20%	49.2770	50.0540	51.1560	50.0180	48.5460	52.3650	95.36%
%RSD		0.24	1.0170	3.8972	4.2776	4.9151	0.9583	12.0080	1.51

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	21:14:24	0.0801	47.4950	47.1670	ID 2.5471	46.8200	48.6300	52.9080	47.6340
2	21:15:00	0.0494	47.0960	47.1210	ID 2.6295	46.7130	47.7410	51.0290	46.8580
3	21:15:37	0.0292	46.6330	46.4250	ID 2.6700	46.2530	47.1010	47.0120	46.9260
4	21:16:14	0.0244	46.2900	46.3820	ID 2.6689	46.2650	46.2420	46.8800	46.5780
5	21:16:50	0.0349	46.1960	46.4730	ID 2.6665	46.5080	44.3770	45.6410	46.6900
x		0.0436	46.7420	46.7140	ID 2.6364	46.5120	46.8180	48.6940	46.9370
%RSD		51.5130	1.1756	0.8443	ID 1.9990	0.5517	3.4616	6.3832	0.8801

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	21:14:24	48.6050	47.3790	48.3670	48.8910	48.7480	50.8770	48.5070	0.3148
2	21:15:00	49.0670	47.2580	47.5990	48.1290	48.3680	48.9440	49.2130	-0.8175
3	21:15:37	48.1930	47.5120	48.3800	48.7140	48.9040	48.9220	47.5450	-0.1309
4	21:16:14	47.5970	47.6200	47.3180	48.2470	48.1060	48.0170	48.3440	0.2346
5	21:16:50	47.9580	46.5860	47.4890	48.6710	48.2230	47.8070	49.4010	-1.1805
x		48.2840	47.2710	47.8310	48.5300	48.4700	48.9130	48.6020	-0.3159
%RSD		1.1822	0.8596	1.0567	0.6711	0.7068	2.4793	1.5279	208.4500

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	21:14:24	91.51%	47.0600	-2.8370	47.0790	49.2570	47.7590	90.42%	0.0000
2	21:15:00	94.01%	46.9690	-0.7096	47.0200	48.2600	47.3880	93.95%	0.0000
3	21:15:37	95.15%	46.8930	-0.3370	46.9400	48.3420	47.6410	95.40%	0.0000
4	21:16:14	95.74%	46.4060	-0.5966	46.7460	48.4260	47.8690	95.89%	0.0000
5	21:16:50	96.62%	46.9330	-1.1119	46.9530	48.5230	48.2700	95.90%	0.0000
x		94.61%	46.8520	-1.1184	46.9480	48.5610	47.7850	94.31%	0.0000
%RSD		2.08	0.5488	89.4520	0.2682	0.8253	0.6791	2.46	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	21:14:24	46.3400	49.5680	48.5110	T 89.72%	47.3760	45.4500	47.2580	47.3820
2	21:15:00	46.2550	48.5110	47.9710	T 92.93%	46.6470	44.9370	47.0570	47.1850
3	21:15:37	47.4860	49.5420	47.9440	T 94.72%	46.7250	45.1930	47.7850	47.3910
4	21:16:14	46.9400	47.7780	48.4420	T 95.56%	46.5160	45.1590	46.8470	47.6070
5	21:16:50	48.1400	49.1200	47.3940	T 96.27%	47.0920	45.6890	47.3860	47.4880
x		47.0330	48.9040	48.0520	T 93.84%	46.8710	45.2860	47.2670	47.4100
%RSD		1.6893	1.5557	0.9390	T 2.79	0.7554	0.6403	0.7503	0.3281

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	21:14:24	46.7150	88.90%	0.0000
2	21:15:00	46.6260	93.30%	0.0000
3	21:15:37	46.8220	94.97%	0.0000
4	21:16:14	46.4630	96.20%	0.0000
5	21:16:50	46.8120	96.11%	0.0000
x		46.6880	93.90%	0.0000
%RSD		0.3187	3.22	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	21:19:47	91.52%	202.4300	194.0000	200.6500	196.4100	197.4800	205.3300	88.85%
2	21:20:23	92.80%	199.7200	195.8300	199.6700	200.8400	198.5300	202.5900	89.56%
3	21:21:00	93.17%	199.3000	198.0100	209.9300	203.7300	196.2100	206.1400	89.98%
4	21:21:37	93.53%	200.1000	198.2400	207.9900	210.6500	197.4400	210.7100	90.58%
5	21:22:13	94.39%	196.9400	200.3500	206.7700	208.1200	196.0300	217.1200	91.30%
x		93.08%	199.7000	197.2900	205.0000	203.9500	197.1400	208.3800	90.05%
%RSD		1.13	0.9820	1.2347	2.2313	2.7832	0.5220	2.7326	1.05

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	21:19:47	0.1288	194.5600	194.4200	ID 10.6230	194.3700	192.1300	209.5200	196.9400
2	21:20:23	0.0366	195.0000	192.7100	ID 10.7750	193.7300	190.4200	202.5000	195.4500
3	21:21:00	0.0030	193.6200	193.8100	ID 10.8670	194.2800	189.8000	201.1500	195.4400
4	21:21:37	0.0245	192.2800	192.5300	ID 10.9490	195.2800	189.9400	203.9300	194.8200
5	21:22:13	0.0007	191.9400	193.4600	ID 10.7730	192.3800	188.8200	194.5200	192.6900
x		0.0387	193.4800	193.3800	ID 10.7970	194.0100	190.2200	202.3200	195.0700
%RSD		135.7200	0.6990	0.4042	ID 1.1273	0.5505	0.6377	2.6697	0.7913

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	21:19:47	198.6400	198.0100	199.3100	198.3900	199.2600	201.3400	199.6400	0.2384
2	21:20:23	198.7900	196.0600	197.0200	196.2900	199.2900	202.0800	200.8400	0.3931
3	21:21:00	196.9100	196.6900	197.2900	198.6500	198.7700	200.1100	198.5000	-0.0783
4	21:21:37	196.9500	194.3600	197.4600	198.8500	197.9300	201.1500	198.8000	0.5532
5	21:22:13	195.1500	192.3900	196.3400	196.6500	197.0200	196.6800	196.0900	-0.3780
x		197.2900	195.5000	197.4900	197.7700	198.4500	200.2700	198.7700	0.1457
%RSD		0.7571	1.1151	0.5592	0.6080	0.4886	1.0626	0.8824	256.8700

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	21:19:47	87.03%	194.4700	-1.0709	193.8200	195.7000	194.3400	86.73%	0.0000
2	21:20:23	88.90%	193.7900	-3.2436	193.3700	195.9600	194.7100	88.99%	0.0000
3	21:21:00	90.14%	193.9700	2.1240	193.1900	196.9700	195.2800	90.48%	0.0000
4	21:21:37	90.48%	193.0500	-0.5680	192.3100	196.8500	194.7700	91.70%	0.0000
5	21:22:13	91.67%	192.3300	-2.5474	192.7600	195.4600	195.9000	92.63%	0.0000
x		89.64%	193.5200	-1.0612	193.0900	196.1900	195.0000	90.11%	0.0000
%RSD		1.97	0.4344	196.3200	0.2992	0.3498	0.3116	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	21:19:47	191.4100	200.4800	198.4400	82.94%	195.0500	190.2000	194.2200	194.9500
2	21:20:23	193.1000	199.0600	197.4400	85.93%	193.3600	188.8100	194.2800	194.6100
3	21:21:00	192.4600	197.3500	194.8500	T 90.85%	193.3500	189.2100	195.0400	195.5100
4	21:21:37	194.5800	196.8900	196.3900	89.46%	193.1900	188.6700	195.5800	195.4100
5	21:22:13	195.5200	198.2100	197.4200	90.92%	194.0200	189.2300	194.6300	195.2500
x		193.4100	198.4000	196.9100	T 88.02%	193.7900	189.2200	194.7500	195.1500
%RSD		0.8513	0.7208	0.6905	T 3.97	0.3973	0.3169	0.2922	0.1894

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	21:19:47	193.1400	86.26%	0.6568
2	21:20:23	192.2900	89.92%	0.0000
3	21:21:00	193.2200	91.62%	0.0000
4	21:21:37	193.1500	93.41%	0.0000
5	21:22:13	193.3700	94.56%	0.0000
x		193.0300	91.15%	0.1314
%RSD		0.2206	3.57	223.6100

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	21:25:11	91.49%	499.6500	503.2100	508.8700	513.8300	504.1700	502.2000	87.00%
2	21:25:48	92.14%	503.5600	507.7300	522.5400	517.4000	503.9200	501.4600	89.24%
3	21:26:24	92.59%	494.6000	521.2300	533.4000	527.9900	499.2400	523.6100	89.71%
4	21:27:01	91.70%	501.2000	515.8500	525.6000	538.6400	499.7500	511.0800	90.22%
5	21:27:38	92.20%	501.9900	521.6000	538.5300	533.7800	499.3800	521.4100	90.12%
x		92.02%	500.2000	513.9200	525.7900	526.3300	501.2900	511.9500	89.26%
%RSD		0.47	0.6865	1.5957	2.1627	2.0057	0.5030	2.0284	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	21:25:11	0.0816	T 508.5000	505.8400	ID 27.6610	T 503.9400	503.3100	508.5300	T 507.0500
2	21:25:48	0.0729	T 505.9500	505.4700	ID 27.3960	T 497.8800	500.0400	507.9900	T 503.6700
3	21:26:24	0.0261	T 497.0400	500.6500	ID 27.7830	T 499.5400	507.7800	506.7800	T 501.4300
4	21:27:01	-0.0004	T 500.0900	499.5700	ID 27.7410	505.3000	502.9400	507.7500	T 498.0900
5	21:27:38	0.0295	T 503.1800	503.4600	ID 28.2070	T 507.1600	506.1200	503.7500	T 501.2600
x		0.0419	T 502.9500	502.9900	ID 27.7580	T 502.7600	504.0400	506.9600	T 502.3000
%RSD		82.0530	T 0.9054	0.5594	ID 1.0543	T 0.7792	0.5954	0.3748	T 0.6607

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	21:25:11	506.6600	508.6600	507.6600	501.6400	504.1300	506.8900	504.0100	1.2156
2	21:25:48	501.2700	502.3200	502.7600	501.7300	500.4800	500.2700	502.0600	1.1288
3	21:26:24	501.9900	501.2900	500.3800	501.6700	499.8200	496.3300	501.6200	-0.4199
4	21:27:01	498.7300	498.3200	496.8000	500.9400	500.4400	495.3400	495.2700	0.5893
5	21:27:38	497.7000	499.8300	498.5800	499.1800	499.0400	501.2000	500.2300	0.2944
x		501.2700	502.0900	501.2300	501.0300	500.7800	500.0100	500.6400	0.5617
%RSD		0.6962	0.7919	0.8408	0.2160	0.3915	0.9171	0.6575	118.9400

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	21:25:11	87.32%	503.7100	-0.0624	505.8500	504.3600	502.8100	87.79%	0.0000
2	21:25:48	89.79%	502.3300	-0.6994	502.6800	499.2900	498.3800	91.14%	0.0000
3	21:26:24	91.46%	502.9200	2.2598	504.8600	503.8300	505.2900	92.59%	0.0000
4	21:27:01	92.34%	503.6900	2.9363	502.4200	500.9800	503.8900	93.70%	0.0000
5	21:27:38	92.49%	501.9700	-0.4447	499.6200	499.9400	500.8100	94.53%	0.0000
x		90.68%	502.9200	0.7979	503.0900	501.6800	502.2400	91.95%	0.0000
%RSD		2.39	0.1561	210.0500	0.4806	0.4568	0.5393	2.88	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	21:25:11	499.6900	508.0100	506.5200	85.61%	504.2900	505.2100	501.3400	500.0200
2	21:25:48	500.3600	498.2400	498.9000	T 92.27%	500.8700	507.0700	500.1700	499.3000
3	21:26:24	505.6500	498.2700	499.0300	T 94.43%	502.0400	505.0700	500.2900	499.6400
4	21:27:01	508.3700	506.2400	505.6300	92.91%	502.6400	T 495.0800	504.6900	505.3300
5	21:27:38	500.6700	493.0300	497.1400	T 97.06%	504.2100	511.6100	505.4600	506.7800
x		502.9500	500.7600	501.4400	T 92.46%	502.8100	T 504.8100	502.3900	502.2100
%RSD		0.7650	1.2422	0.8581	T 4.60	0.2907	T 1.1979	0.4989	0.7075

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	21:25:11	500.7500	89.53%	0.0000
2	21:25:48	501.0500	94.00%	0.0000
3	21:26:24	501.6600	97.16%	0.0000
4	21:27:01	505.4100	98.31%	0.5763
5	21:27:38	506.8200	98.74%	0.0000
x		503.1400	95.55%	0.1153
%RSD		0.5527	4.02	223.6100

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	21:30:35	88.87%	972.3800	959.7700	986.7900	971.4800	T 980.6000	1008.8000	83.10%
2	21:31:11	89.03%	970.1900	977.0100	989.1600	987.2800	T 975.3600	1010.8000	84.53%
3	21:31:48	89.95%	971.6000	988.4600	1000.9000	1007.8000	T 968.9400	1039.8000	84.83%
4	21:32:24	89.33%	979.5100	998.9800	993.1800	1018.6000	T 975.9800	1022.5000	84.62%
5	21:33:01	89.63%	966.7200	994.3200	1014.6000	1005.9000	T 975.2200	1032.2000	84.38%
x		89.36%	972.0800	983.7100	996.9100	998.2100	T 975.2200	1022.8000	84.29%
%RSD		0.49	0.4820	1.5962	1.1253	1.8753	T 0.4258	1.3099	0.81

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	21:30:35	0.0788	T 980.1600	T 977.7500	ID 54.0190	T 982.9700	1000.7000	1019.2000	T 989.5800
2	21:31:11	0.0598	T 979.8100	T 976.6500	ID 54.6700	T 981.5800	1009.2000	1020.2000	T 985.2400
3	21:31:48	0.0423	T 976.1200	T 971.8000	ID 54.4030	T 979.8500	1019.5000	1003.8000	T 985.9300
4	21:32:24	0.0066	T 978.2700	T 971.6000	ID 54.8350	T 990.2500	1018.3000	1002.6000	T 984.4700
5	21:33:01	0.0010	T 984.3800	T 970.0700	ID 55.4170	T 992.3300	1025.0000	1017.9000	T 989.2500
x		0.0377	T 979.7500	T 973.5700	ID 54.6690	T 985.4000	1014.6000	1012.7000	T 986.8900
%RSD		89.0580	T 0.3105	T 0.3492	ID 0.9506	T 0.5625	0.9460	0.8640	T 0.2391

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	21:30:35	1006.9000	T 1008.5000	1011.1000	995.7000	1000.4000	997.5600	993.7700	2.0890
2	21:31:11	1005.7000	T 1006.0000	1004.9000	986.9400	995.5000	990.7000	985.8100	1.3216
3	21:31:48	997.6500	T 999.9100	999.0100	990.6200	992.0600	985.1600	978.3700	0.5572
4	21:32:24	996.2300	T 994.5500	1006.1000	993.8400	991.0200	985.2200	985.2100	0.9884
5	21:33:01	996.9000	T 1001.2000	1003.4000	997.7700	988.2800	981.7300	967.9300	1.4277
x		1000.7000	T 1002.0000	1004.9000	992.9700	993.4500	988.0800	982.2200	1.2768
%RSD		0.5178	T 0.5445	0.4380	0.4308	0.4686	0.6273	0.9848	44.4010

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	21:30:35	82.71%	T 997.5400	0.6523	T 994.4500	992.1500	1000.5000	83.12%	0.0000
2	21:31:11	84.63%	T 992.9000	-0.4911	T 995.3100	997.1400	1008.4000	85.24%	0.0000
3	21:31:48	86.06%	T 991.9300	-0.6761	T 989.5500	994.6700	1008.6000	87.08%	0.0000
4	21:32:24	86.16%	T 984.0700	7.0274	T 985.5500	988.6200	1000.3000	88.09%	0.0000
5	21:33:01	86.11%	T 985.7800	-0.7719	T 991.6400	990.3900	1006.9000	87.97%	0.0000
x		85.14%	T 990.4400	1.1481	T 991.3000	992.5900	1005.0000	86.30%	0.0000
%RSD		1.77	T 0.5551	290.5600	T 0.3980	0.3410	0.4169	2.45	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	21:30:35	M 1004.8000	1007.1000	1006.8000	80.89%	1029.0000	T 980.9200	T 1027.2000	1009.0000
2	21:31:11	M 1016.6000	1001.3000	1006.3000	84.14%	1029.2000	T 976.1300	T 1020.1000	1011.9000
3	21:31:48	M 1021.8000	1002.0000	1003.1000	85.82%	1024.7000	T 975.4500	T 1019.1000	1013.0000
4	21:32:24	M 1014.5000	998.3200	998.9200	87.09%	1034.2000	T 982.0000	T 1023.9000	1018.7000
5	21:33:01	M 1016.2000	992.4500	999.8200	86.81%	1031.3000	T 978.6400	T 1021.4000	1012.7000
x		M 1014.8000	1000.2000	1003.0000	84.95%	1029.7000	T 978.6300	T 1022.3000	1013.1000
%RSD		M 0.6106	0.5371	0.3604	3.00	0.3371	T 0.2935	T 0.3186	0.3483

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	21:30:35	T 996.1200	84.52%	1.3407
2	21:31:11	T 993.3200	88.74%	0.0000
3	21:31:48	T 995.3200	91.19%	0.0000
4	21:32:24	T 997.8000	91.71%	0.0000
5	21:33:01	T 997.3100	92.19%	0.0000
x		T 995.9700	89.67%	0.2681
%RSD		T 0.1786	3.54	223.6100

S1500 07/02/2008 21:35:22

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	21:35:59	91.48%	0.6621	1445.8000	1435.2000	1438.7000	1.0292	1500.0000	84.90%
2	21:36:35	92.60%	0.7540	1473.0000	1472.3000	1471.4000	1.2684	1501.4000	87.86%
3	21:37:12	93.47%	0.7377	1493.6000	1501.7000	1505.8000	1.2626	1494.0000	88.41%
4	21:37:49	94.08%	0.7479	1519.8000	1507.9000	1507.4000	1.2437	1543.1000	89.25%
5	21:38:25	95.23%	0.6716	1517.3000	1518.8000	1514.5000	1.1508	1465.6000	90.90%
x		93.37%	0.7147	1489.9000	1487.2000	1487.6000	1.1909	1500.8000	88.27%
%RSD		1.53	6.1763	2.0921	2.2724	2.1548	8.5725	1.8486	2.50

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	21:35:59	0.0906	0.3787	0.5599	ID 56.1540	0.7301	1517.6000	1503.8000	0.7621
2	21:36:35	0.0548	0.4600	0.5677	ID 56.2520	0.7729	1533.2000	1496.8000	0.7573
3	21:37:12	-0.0044	0.4884	0.6292	ID 56.5430	0.7231	1539.7000	1477.8000	0.7379
4	21:37:49	0.0157	0.4390	0.5363	ID 56.9110	0.7171	1566.2000	1493.4000	0.7471
5	21:38:25	0.0028	0.4750	0.5653	ID 56.8300	0.7507	T 1497.5000	1495.8000	0.7048
x		0.0319	0.4482	0.5717	ID 56.5380	0.7388	T 1530.8000	1493.5000	0.7418
%RSD		125.4800	9.5860	6.0323	ID 0.5955	3.0976	T 1.6714	0.6442	3.0630

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	21:35:59	0.7801	0.7163	0.7706	1.1421	0.3201	0.4493	0.2579	0.3983
2	21:36:35	0.7554	0.7607	0.6956	1.4345	0.3745	-0.1822	0.2500	0.2455
3	21:37:12	0.8431	0.6997	0.7783	1.2589	0.4355	-0.1051	0.5831	-0.6783
4	21:37:49	1.0212	0.7006	0.6539	1.3355	0.4041	0.2335	0.4670	-0.7665
5	21:38:25	0.6945	0.6948	0.7200	1.2923	0.3666	0.1782	0.3751	-0.0287
x		0.8189	0.7144	0.7237	1.2927	0.3802	0.1148	0.3866	-0.1659
%RSD		15.2660	3.7918	7.2004	8.2750	11.3540	224.9400	36.6770	320.2600

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	21:35:59	84.10%	0.1683	-1.9849	0.1573	0.7433	0.6414	83.61%	0.0000
2	21:36:35	87.01%	0.1699	-1.0945	0.1859	0.7165	0.7298	87.24%	0.0000
3	21:37:12	88.87%	0.1890	-0.7092	0.1771	0.7432	0.7128	89.20%	0.0000
4	21:37:49	89.58%	0.1776	-0.6577	0.1832	0.7139	0.7361	90.85%	0.0000
5	21:38:25	91.73%	0.1607	-0.1556	0.1677	0.7416	0.7080	92.08%	0.0000
x		88.26%	0.1731	-0.9204	0.1742	0.7317	0.7056	88.60%	0.0000
%RSD		3.26	6.2047	74.1300	6.7604	2.0625	5.3462	3.76	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	21:35:59	1.9173	0.6070	0.8209	81.34%	0.6890	0.7077	0.6892	0.7463
2	21:36:35	2.0667	0.7175	0.7609	84.85%	0.6988	0.6837	0.7056	0.7491
3	21:37:12	1.9373	0.6900	0.7993	86.46%	0.7268	0.6839	0.7783	0.7437
4	21:37:49	1.8269	0.7389	0.8332	88.24%	0.6881	0.6767	0.7149	0.7574
5	21:38:25	1.6306	0.7310	0.7651	T 92.13%	0.7358	0.6738	0.6957	0.7437
x		1.8757	0.6969	0.7959	T 86.60%	0.7077	0.6851	0.7167	0.7480
%RSD		8.6162	7.6873	4.0700	T 4.62	3.1324	1.9465	4.9892	0.7608

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	21:35:59	0.7112	85.06%	0.0000
2	21:36:35	0.7219	88.88%	0.0000
3	21:37:12	0.7493	90.59%	0.0000
4	21:37:49	0.7183	92.36%	0.0000
5	21:38:25	0.7184	93.89%	0.0000
x		0.7238	90.16%	0.0000
%RSD		2.0418	3.79	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	21:41:23	93.70%	0.0335	T 1951.5000	1942.6000	1945.4000	1.3919	1966.2000	88.19%
2	21:42:00	94.30%	0.0729	1997.4000	1965.0000	1980.2000	1.4786	1976.4000	90.10%
3	21:42:37	95.50%	0.0717	2018.7000	2016.2000	2004.6000	1.7253	1999.9000	91.45%
4	21:43:13	95.48%	0.0851	T 2039.5000	2047.7000	2020.5000	1.6451	1970.4000	93.04%
5	21:43:50	95.92%	0.0501	2055.4000	2049.3000	2065.5000	1.5598	2007.5000	93.47%
x		94.98%	0.0627	T 2012.5000	2004.2000	2003.2000	1.5601	1984.1000	91.25%
%RSD		0.98	32.8660	T 2.0128	2.4188	2.2402	8.4453	0.9302	2.38

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	21:41:23	0.0774	0.0101	0.1659	ID 73.9200	0.0702	T 1945.6000	2011.9000	0.0737
2	21:42:00	0.0510	0.0493	0.1288	ID 74.9230	0.0613	T 1964.0000	1976.1000	0.0914
3	21:42:37	0.0215	0.1298	0.3479	ID 76.2430	0.0975	T 1972.0000	2020.0000	0.0953
4	21:43:13	0.0308	0.0767	0.1576	ID 75.7690	0.0951	T 1984.8000	1995.5000	0.1010
5	21:43:50	0.0013	0.0488	0.1441	ID 76.3290	0.0731	T 1981.8000	1979.4000	0.0906
x		0.0364	0.0629	0.1889	ID 75.4370	0.0794	T 1969.6000	1996.6000	0.0904
%RSD		79.8230	70.3080	47.6440	ID 1.3459	20.1280	T 0.7994	0.9709	11.2710

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	21:41:23	0.1921	0.2243	0.1972	0.8456	0.3340	0.2498	0.1514	-0.8210
2	21:42:00	0.1612	0.1776	0.2279	0.7800	0.3872	-0.0933	0.3827	-0.3557
3	21:42:37	0.1635	0.2373	0.1965	0.7974	0.4066	-0.0569	0.4182	-0.2974
4	21:43:13	0.1860	0.2105	0.1782	0.8086	0.3888	-0.5160	0.3293	-0.2083
5	21:43:50	0.1614	0.2489	0.1922	0.8060	0.3626	-0.0117	0.0744	-0.3458
x		0.1728	0.2197	0.1984	0.8075	0.3759	-0.0856	0.2712	-0.4056
%RSD		8.6752	12.5380	9.1676	2.9759	7.4866	322.0200	55.4580	59.0200

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	21:41:23	85.91%	0.2320	-1.7378	0.2498	0.0486	0.0323	85.24%	0.0000
2	21:42:00	89.62%	0.2580	-1.4565	0.2589	0.0671	0.0511	88.47%	0.0000
3	21:42:37	91.03%	0.2721	-1.3422	0.2623	0.0712	0.0576	91.18%	0.0000
4	21:43:13	93.09%	0.2907	-0.8514	0.2783	0.0656	0.0651	93.21%	0.0000
5	21:43:50	93.67%	0.2649	-0.8121	0.2477	0.0726	0.0656	94.33%	0.0000
x		90.66%	0.2635	-1.2400	0.2594	0.0650	0.0543	90.49%	0.0000
%RSD		3.44	8.1359	32.2390	4.6928	14.8040	25.2180	4.07	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	21:41:23	2.7110	0.1058	0.1231	81.44%	0.1589	0.1653	0.5753	0.6395
2	21:42:00	2.8989	0.0629	0.1328	84.82%	0.1683	0.1696	0.6022	0.6304
3	21:42:37	2.7784	0.1229	0.0966	87.86%	0.1561	0.1817	0.6724	0.6910
4	21:43:13	2.9946	0.1596	0.1228	T 93.43%	0.1872	0.1726	0.6427	0.6783
5	21:43:50	2.8522	0.1224	0.1249	T 94.18%	0.1843	0.1640	0.5837	0.6238
x		2.8470	0.1147	0.1201	T 88.35%	0.1710	0.1707	0.6153	0.6526
%RSD		3.8366	30.5110	11.4310	T 6.21	8.3657	4.1459	6.6897	4.6142

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	21:41:23	0.5980	84.23%	0.0000
2	21:42:00	0.6210	88.37%	0.0000
3	21:42:37	0.6611	90.97%	0.0000
4	21:43:13	0.6317	93.66%	0.0000
5	21:43:50	0.6175	95.56%	0.0000
x		0.6259	90.56%	0.0000
%RSD		3.6992	4.93	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	21:46:48	92.50%	96.6290	1192.7000	1217.7000	1188.9000	512.4600	2059.2000	87.86%
2	21:47:25	93.25%	96.8920	1208.0000	1221.6000	1216.5000	512.0100	2046.6000	89.38%
3	21:48:02	92.86%	98.3130	1236.6000	1262.5000	1227.7000	514.3000	2064.7000	89.84%
4	21:48:38	94.04%	96.6330	1238.5000	1244.5000	1252.5000	507.7500	2029.2000	90.96%
5	21:49:15	93.79%	95.9470	1246.2000	1257.8000	1258.4000	508.4800	2047.2000	91.48%
x		93.29%	96.8830	1224.4000	1240.8000	1228.8000	511.0000	2049.4000	89.90%
%RSD		0.68	0.9010	1.8686	1.6502	2.2963	0.5445	0.6681	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	21:46:48	0.0679	96.2970	95.5940	ID 39.8330	97.1400	1025.0000	1045.9000	97.6430
2	21:47:25	0.0984	97.5180	95.2290	ID 39.6580	95.5950	1028.2000	1022.8000	97.0810
3	21:48:02	0.0572	96.9170	95.4950	ID 40.4870	96.6370	1038.8000	1020.4000	96.6690
4	21:48:38	0.0139	96.7700	95.4740	ID 40.5360	96.3720	1042.3000	1031.8000	96.7410
5	21:49:15	0.0185	96.0880	95.1880	ID 40.5150	96.1780	1035.2000	1046.5000	96.5480
x		0.0512	96.7180	95.3960	ID 40.2060	96.3840	1033.9000	1033.5000	96.9360
%RSD		69.0410	0.5795	0.1861	ID 1.0574	0.5915	0.6962	1.1952	0.4558

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	21:46:48	99.4230	97.4120	98.9740	200.2300	196.9300	204.4800	209.2800	0.3169
2	21:47:25	98.7070	96.3110	98.0710	199.4700	195.4900	202.3500	202.4000	-0.2123
3	21:48:02	96.7640	97.0210	98.6160	201.8200	196.8600	200.3900	200.8500	0.2687
4	21:48:38	98.3800	95.9240	98.6430	199.0400	194.1800	202.0800	201.3100	0.1072
5	21:49:15	97.7350	96.3900	98.9480	198.9400	193.3100	199.6800	198.1000	0.6456
x		98.2020	96.6120	98.6500	199.9000	195.3500	201.8000	202.3900	0.2252
%RSD		1.0262	0.6171	0.3690	0.5953	0.8212	0.9289	2.0576	139.0500

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	21:46:48	86.78%	95.5840	-2.3065	95.7670	98.4550	97.1260	86.00%	0.0000
2	21:47:25	89.09%	95.6050	-1.2974	95.3510	99.0510	97.8400	89.05%	0.0000
3	21:48:02	90.35%	95.3150	-1.2763	95.2870	97.9840	97.7960	90.51%	0.0000
4	21:48:38	91.24%	95.0790	-0.3517	95.1580	97.9290	97.0360	91.88%	0.0000
5	21:49:15	92.17%	94.3570	-0.9589	94.6740	97.8080	96.9750	93.23%	0.0000
x		89.93%	95.1880	-1.2382	95.2470	98.2460	97.3550	90.13%	0.0000
%RSD		2.33	0.5384	57.2540	0.4130	0.5221	0.4384	3.09	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	21:46:48	194.7900	100.9900	101.3400	82.62%	204.2000	200.9900	193.4200	204.6700
2	21:47:25	194.1800	99.6350	99.4800	86.44%	204.2900	199.7300	196.2400	205.4700
3	21:48:02	196.9400	100.5200	99.9700	88.39%	203.9000	199.2500	194.2100	203.9000
4	21:48:38	195.1600	97.8460	97.9350	T 92.38%	202.8600	198.1900	193.7100	203.5400
5	21:49:15	195.6400	97.8920	97.7460	T 93.95%	203.0500	198.6400	194.1900	204.2000
x		195.3400	99.3780	99.2950	T 88.76%	203.6600	199.3600	194.3500	204.3600
%RSD		0.5312	1.4709	1.5057	T 5.14	0.3263	0.5451	0.5689	0.3659

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	21:46:48	197.3900	85.42%	0.0000
2	21:47:25	198.5900	89.48%	0.6332
3	21:48:02	196.9800	92.29%	0.0000
4	21:48:38	196.9300	93.89%	0.6034
5	21:49:15	196.9000	94.80%	0.0000
x		197.3600	91.18%	0.2473
%RSD		0.3627	4.17	137.0000

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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	21:52:14	93.60%	0.0443	-0.0775	1.1380	0.2321	0.2085	4.6101	89.48%
2	21:52:50	94.49%	0.0375	0.3219	0.9426	0.0641	0.2478	3.1187	91.66%
3	21:53:27	95.31%	0.0354	-0.1610	0.1946	-0.0525	0.0782	0.0081	93.75%
4	21:54:04	95.78%	0.0291	-0.2896	-0.0703	-0.2865	0.0710	-2.7963	94.84%
5	21:54:40	96.76%	0.0316	-0.4458	-0.1826	-0.6495	0.0270	-2.0528	95.80%
x		95.19%	0.0356	-0.1304	0.4045	-0.1385	0.1265	0.5776	93.10%
%RSD		1.27	16.4380	221.3100	148.4300	247.2200	75.7760	556.6500	2.74

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	21:52:14	0.0453	0.0225	0.0315	ID 0.0284	0.0127	-1.5687	1.4815	0.0321
2	21:52:50	0.0531	0.0952	0.0789	ID -0.1326	0.0409	-2.4179	1.2744	0.0488
3	21:53:27	0.0472	0.0260	0.0044	ID -0.0593	-0.0104	-4.0088	-0.8167	0.0332
4	21:54:04	0.0045	0.0599	0.0396	ID -0.0412	0.0042	-4.5433	-1.0420	0.0253
5	21:54:40	0.0082	0.0379	0.0515	ID 0.0541	0.0012	-5.5874	-6.4239	0.0227
x		0.0317	0.0483	0.0412	ID -0.0301	0.0097	-3.6252	-1.1053	0.0324
%RSD		73.5890	62.1070	66.2880	ID 246.3400	198.7800	44.7490	288.6900	31.4360

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	21:52:14	0.0615	0.1908	0.1293	0.4971	0.0888	0.1359	0.1617	-0.0130
2	21:52:50	0.0641	0.1634	0.1013	0.4643	0.0866	0.1687	0.1026	0.3761
3	21:53:27	0.0674	0.1539	0.1597	0.4941	0.0571	-0.0786	0.1016	-0.6098
4	21:54:04	0.0634	0.1355	0.1306	0.5159	0.0986	-0.2400	0.1531	-0.2691
5	21:54:40	0.0495	0.1403	0.1090	0.3945	0.0648	-0.2057	0.1252	-0.0437
x		0.0612	0.1568	0.1260	0.4732	0.0792	-0.0439	0.1288	-0.1119
%RSD		11.2030	14.0310	18.0280	10.0840	22.0560	430.8600	21.6360	323.8200

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	21:52:14	88.58%	0.0466	-1.4693	0.0530	0.0539	0.0373	86.85%	0.0000
2	21:52:50	91.68%	0.0485	-0.5822	0.0610	0.0495	0.0397	90.83%	0.0000
3	21:53:27	93.00%	0.0435	-0.8235	0.0422	0.0269	0.0356	92.62%	0.0000
4	21:54:04	94.49%	0.0311	-0.9343	0.0378	0.0244	0.0307	94.22%	0.0000
5	21:54:40	95.84%	0.0341	-0.3883	0.0328	0.0240	0.0177	95.74%	0.0000
x		92.72%	0.0408	-0.8395	0.0454	0.0357	0.0322	92.05%	0.0000
%RSD		3.01	19.0040	48.9610	25.3380	41.1810	27.2480	3.73	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	21:52:14	0.6800	0.0250	0.0501	83.09%	0.0994	0.0793	0.0767	0.0846
2	21:52:50	0.7277	0.0353	0.0396	T 90.30%	0.0992	0.0910	0.1025	0.0780
3	21:53:27	0.6024	0.0645	0.0454	T 92.71%	0.0585	0.0530	0.0479	0.0767
4	21:54:04	0.5835	0.0455	0.0111	T 94.35%	0.0503	0.0471	0.0589	0.0345
5	21:54:40	0.4893	0.0457	0.0213	91.68%	0.0277	0.0367	0.0341	0.0239
x		0.6166	0.0432	0.0335	T 90.43%	0.0670	0.0614	0.0640	0.0596
%RSD		14.9220	33.8890	49.6290	T 4.82	47.0300	37.1440	41.5000	47.1880

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	21:52:14	0.0696	86.17%	0.0000
2	21:52:50	0.0827	90.02%	0.0000
3	21:53:27	0.0600	92.44%	0.0000
4	21:54:04	0.0468	94.67%	0.0000
5	21:54:40	0.0319	95.37%	0.0000
x		0.0582	91.73%	0.0000
%RSD		33.8850	4.09	0.0000

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	21:57:37	95.24%	0.8797	-1.1069	-0.7689	-1.3819	-0.2105	-4.9966	91.94%
2	21:58:14	97.39%	0.9355	-0.8283	-0.8803	-0.8166	-0.1565	-4.0854	93.69%
3	21:58:51	96.66%	1.0231	-0.8503	-0.4285	-1.0385	-0.1320	-2.3640	94.91%
4	21:59:27	98.68%	0.9689	-0.7844	-0.7887	-1.0057	-0.1151	-2.7846	96.01%
5	22:00:04	98.34%	1.0256	-0.8465	-0.5423	-0.7054	-0.1194	-4.9399	96.64%
x		97.26%	0.9666	-0.8833	-0.6817	-0.9896	-0.1467	-3.8341	94.64%
%RSD		1.42	6.3764	14.4640	27.6380	26.1180	26.6690	31.6760	1.98

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	21:57:37	0.0750	4.6672	1.9178	ID -0.0587	0.8876	-0.5201	4.8043	0.9449
2	21:58:14	0.0119	4.6046	1.8701	ID -0.0368	0.9208	-2.8790	1.3139	0.9801
3	21:58:51	0.0125	4.7386	1.9320	ID -0.0460	0.9365	-3.1147	-0.0123	0.9647
4	21:59:27	0.0053	4.7211	1.8872	ID -0.1145	0.9346	-1.5463	-2.1752	0.9553
5	22:00:04	0.0003	4.6511	1.9443	ID -0.0100	0.9333	-3.6909	-3.6342	0.9260
x		0.0210	4.6765	1.9103	ID -0.0532	0.9226	-2.3502	0.0593	0.9542
%RSD		145.7800	1.1589	1.6204	ID 72.6190	2.2213	54.8920	5511.1000	2.1356

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	21:57:37	0.9691	1.9229	2.0234	1.9688	0.9914	5.0366	5.0331	-0.3005
2	21:58:14	1.0000	1.9375	1.9852	1.8471	0.9471	5.1882	4.9697	0.5547
3	21:58:51	0.9404	1.9548	1.8723	1.8037	0.9728	5.0934	5.0096	0.0147
4	21:59:27	0.8476	1.9133	1.9807	1.9559	0.8259	4.6278	5.1480	0.5804
5	22:00:04	1.0508	1.9381	1.8111	1.8964	0.8420	4.9864	4.6988	-0.1280
x		0.9616	1.9334	1.9345	1.8944	0.9158	4.9865	4.9718	0.1443
%RSD		7.8733	0.8223	4.6016	3.7120	8.3654	4.2929	3.3468	278.9200

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	21:57:37	89.45%	0.9434	-1.2275	0.9663	0.9127	0.9621	87.80%	0.0000
2	21:58:14	92.57%	0.9237	-1.4007	0.9754	1.0338	1.0163	91.38%	0.0000
3	21:58:51	94.43%	0.9531	-0.9896	0.9647	1.0148	0.9434	93.27%	0.0000
4	21:59:27	95.53%	0.9923	-0.2781	0.9182	0.9614	1.0022	94.88%	0.0000
5	22:00:04	96.50%	0.9718	-0.7250	0.9226	0.9779	0.9386	95.50%	0.0000
x		93.70%	0.9569	-0.9242	0.9494	0.9801	0.9725	92.57%	0.0000
%RSD		2.97	2.7509	47.7920	2.8292	4.8345	3.5997	3.35	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	21:57:37	2.0804	9.9521	10.0190	83.54%	0.9708	0.9196	0.9629	1.0165
2	21:58:14	2.0020	9.4228	9.6573	T 90.51%	1.0104	0.9254	0.9352	0.9897
3	21:58:51	2.1478	9.7863	9.8301	89.55%	0.9238	0.9325	0.9711	1.0031
4	21:59:27	2.0729	10.0990	9.7808	91.80%	0.9568	0.9156	0.9409	0.9496
5	22:00:04	2.1195	9.8563	9.7126	T 95.69%	0.9650	0.9324	0.9700	0.9412
x		2.0845	9.8233	9.7998	T 90.22%	0.9654	0.9251	0.9560	0.9800
%RSD		2.6471	2.5726	1.4160	T 4.88	3.2156	0.8184	1.7573	3.3819

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	21:57:37	0.9547	86.22%	0.0000
2	21:58:14	0.9571	89.85%	0.0000
3	21:58:51	0.9696	92.46%	0.0000
4	21:59:27	0.9321	94.52%	0.0000
5	22:00:04	0.9273	95.80%	0.0000
x		0.9482	91.77%	0.0000
%RSD		1.8837	4.18	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	22:02:59	83.19%	0.2779	TM 102470.0000	TM 103810.0000	TM 103450.0000	TM 97537.0000	TM 114260.0000	79.09%
2	22:03:36	83.34%	0.2367	TM 105570.0000	TM 108190.0000	TM 107560.0000	TM 96642.0000	TM 115390.0000	82.41%
3	22:04:13	84.23%	0.2591	TM 108840.0000	TM 110840.0000	TM 110610.0000	TM 95865.0000	TM 116770.0000	85.12%
4	22:04:49	84.29%	0.2737	TM 110070.0000	TM 111920.0000	TM 112590.0000	TM 95271.0000	TM 117870.0000	87.12%
5	22:05:26	84.90%	0.2512	TM 111230.0000	TM 113630.0000	TM 112860.0000	TM 95757.0000	TM 118700.0000	88.69%
x		83.99%	0.2597	TM 107640.0000	TM 109680.0000	TM 109410.0000	TM 96214.0000	TM 116600.0000	84.48%
%RSD		0.85	6.4719	TM 3.3236	TM 3.4921	TM 3.6119	TM 0.9226	TM 1.5468	4.52

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	22:02:59	296.0600	0.3232	19.6360	ITD 4143.5000	7.6501	TM 103790.0000	TM 114070.0000	1.4534
2	22:03:36	294.5700	0.2615	19.8440	ITD 4218.3000	7.6465	TM 106010.0000	TM 115880.0000	1.3905
3	22:04:13	292.8200	0.4447	19.7280	ITD 4236.9000	7.5365	TM 106080.0000	TM 115160.0000	1.3649
4	22:04:49	292.5700	0.4822	19.4160	ITD 4304.1000	7.6323	TM 107000.0000	TM 115560.0000	1.4275
5	22:05:26	293.7100	0.6134	19.7950	ITD 4352.0000	7.5734	TM 107730.0000	TM 116500.0000	1.4406
x		293.9500	0.4250	19.6840	ITD 4251.0000	7.6078	TM 106120.0000	TM 115430.0000	1.4154
%RSD		0.4835	32.4900	0.8578	ITD 1.8908	0.6624	TM 1.3954	TM 0.7843	2.5960

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	22:02:59	7.9801	8.1633	9.4121	11.6890	-0.3054	1.8374	-2.9401	15.3780
2	22:03:36	7.5853	8.0745	8.8798	12.0040	-0.3602	2.3250	-3.5442	16.8650
3	22:04:13	7.8242	8.1231	9.1627	11.5070	-0.2552	2.6364	-3.1782	15.1940
4	22:04:49	7.4494	7.8128	8.7915	11.7800	-0.1666	2.7648	-2.5556	13.3770
5	22:05:26	7.4569	8.0853	8.9495	11.5880	-0.1135	2.6272	-2.7539	13.1340
x		7.6592	8.0518	9.0391	11.7140	-0.2402	2.4382	-2.9944	14.7900
%RSD		3.0661	1.7149	2.7612	1.6418	41.8120	15.2830	12.8200	10.4510

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	22:02:59	76.33%	0.0509	15.3470	0.0649	4.0747	1.3715	80.14%	0.0000
2	22:03:36	79.80%	0.0519	14.4470	0.0636	3.6564	1.2722	85.59%	0.0000
3	22:04:13	83.23%	0.0395	14.7780	0.0610	3.7194	1.0074	88.58%	0.0000
4	22:04:49	85.54%	0.0416	14.4140	0.0706	3.5165	1.1849	91.20%	0.0000
5	22:05:26	87.04%	0.0517	14.0540	0.0582	3.5095	0.9315	92.98%	0.0000
x		82.38%	0.0471	14.6080	0.0637	3.6953	1.1535	87.70%	0.0000
%RSD		5.28	12.8090	3.3299	7.2971	6.2379	15.8220	5.77	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	22:02:59	1.3217	1.4863	1.4787	76.41%	0.0039	0.0018	4.5514	4.2569
2	22:03:36	1.2665	1.3874	1.5608	82.08%	0.0016	0.0018	4.4035	4.2985
3	22:04:13	1.2725	1.6799	1.3968	84.32%	0.0109	0.0079	4.5518	4.3313
4	22:04:49	1.2391	1.5496	1.3959	87.62%	0.0096	0.0119	4.3861	4.5429
5	22:05:26	1.2751	1.5328	1.3942	89.23%	0.0118	0.0129	4.4785	4.1958
x		1.2750	1.5272	1.4453	83.93%	0.0075	0.0072	4.4743	4.3251
%RSD		2.3363	6.9512	5.1142	6.01	60.1690	73.7830	1.7584	3.0485

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	22:02:59	4.3026	76.32%	0.0000
2	22:03:36	4.2973	81.42%	0.0000
3	22:04:13	4.2961	84.94%	0.0000
4	22:04:49	4.3193	86.93%	0.0000
5	22:05:26	4.2827	87.92%	0.0000
x		4.2996	83.50%	0.0000
%RSD		0.3074	5.65	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	22:08:24	84.45%	18.8000	TM 106220.0000	TM 108220.0000	TM 107940.0000	TM 96346.0000	TM 115680.0000	85.56%
2	22:09:01	84.40%	19.3120	TM 108990.0000	TM 111060.0000	TM 110590.0000	TM 95031.0000	TM 116500.0000	88.41%
3	22:09:38	85.64%	18.9630	TM 110370.0000	TM 112520.0000	TM 112280.0000	TM 95352.0000	TM 117870.0000	89.81%
4	22:10:14	84.69%	18.9650	TM 111760.0000	TM 113970.0000	TM 113850.0000	TM 94414.0000	TM 118410.0000	90.86%
5	22:10:51	85.92%	19.2820	TM 111380.0000	TM 113480.0000	TM 113670.0000	TM 95309.0000	TM 119440.0000	91.17%
x		85.02%	19.0640	TM 109740.0000	TM 111850.0000	TM 111670.0000	TM 95290.0000	TM 117580.0000	89.16%
%RSD		0.83	1.1686	TM 2.0435	TM 2.0657	TM 2.2022	TM 0.7335	TM 1.2741	2.57

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	22:08:24	291.2000	20.5390	39.9960	ITD 4215.8000	27.4720	TM 105410.0000	TM 116390.0000	21.3950
2	22:09:01	291.8000	20.0370	39.3010	ITD 4259.8000	27.6340	TM 106800.0000	TM 115820.0000	20.9430
3	22:09:38	293.2300	20.0870	39.4040	ITD 4299.4000	27.4500	TM 107660.0000	TM 117530.0000	21.2770
4	22:10:14	289.7800	19.9340	39.1870	ITD 4327.2000	27.6800	TM 107780.0000	TM 116810.0000	20.9050
5	22:10:51	292.2100	20.5610	39.2410	ITD 4358.0000	27.7940	TM 108470.0000	TM 116430.0000	21.0860
x		291.6500	20.2310	39.4260	ITD 4292.0000	27.6060	TM 107220.0000	TM 116600.0000	21.1210
%RSD		0.4383	1.4631	0.8340	ITD 1.3020	0.5244	TM 1.0944	TM 0.5392	1.0020

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	22:08:24	26.8650	26.4570	28.1930	30.1000	19.6480	21.9700	16.9970	12.9850
2	22:09:01	27.0090	26.7300	27.6310	29.5600	18.9960	22.1510	15.1890	14.8090
3	22:09:38	26.3910	26.5760	27.5340	29.9030	19.4630	22.0940	16.5760	12.4810
4	22:10:14	26.8530	26.4240	27.3200	29.8380	19.6670	22.1110	16.7280	12.7320
5	22:10:51	26.1870	26.6860	27.4360	29.4410	19.0430	22.0930	15.6260	13.9630
x		26.6610	26.5750	27.6230	29.7680	19.3630	22.0840	16.2230	13.3940
%RSD		1.3221	0.5087	1.2272	0.8951	1.6754	0.3081	4.7781	7.2434

Run	Time	89Y	94Mo	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	22:08:24	81.95%	17.6860	14.0000	17.7920	22.5080	19.7570	86.79%	0.0000
2	22:09:01	85.65%	17.6360	13.4060	17.6170	22.1790	19.4610	90.36%	0.0000
3	22:09:38	87.12%	17.5490	14.3720	17.7600	22.0300	19.5730	92.73%	0.0000
4	22:10:14	88.37%	17.4650	13.9810	17.5680	21.9420	19.1330	94.38%	0.0000
5	22:10:51	89.86%	17.3840	14.0540	17.5070	22.0570	19.2130	95.28%	0.0000
x		86.59%	17.5440	13.9620	17.6490	22.1430	19.4270	91.91%	0.0000
%RSD		3.49	0.7006	2.4991	0.6977	0.9969	1.3215	3.72	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	22:08:24	21.1170	22.1910	22.6640	81.16%	21.3910	20.4060	24.3090	25.8600
2	22:09:01	20.9330	22.9800	22.6080	85.78%	21.3610	20.3310	24.7680	25.4870
3	22:09:38	20.9410	22.9570	22.2950	88.37%	21.0080	20.3160	24.8790	25.8660
4	22:10:14	20.7610	22.6460	21.7840	T 93.24%	21.0070	20.3390	24.5110	25.8000
5	22:10:51	20.6670	22.3210	22.0810	T 94.35%	21.2670	20.3130	24.6620	25.7710
x		20.8830	22.6190	22.2870	T 88.58%	21.2070	20.3410	24.6260	25.7570
%RSD		0.8369	1.5892	1.6487	T 6.13	0.8834	0.1857	0.9060	0.6064

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	22:08:24	24.8080	79.30%	0.0000
2	22:09:01	24.8870	83.47%	0.0000
3	22:09:38	24.7870	86.44%	0.0000
4	22:10:14	24.7410	88.03%	0.0000
5	22:10:51	24.9300	88.13%	0.0000
x		24.8310	85.07%	0.0000
%RSD		0.3087	4.39	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	22:13:48	92.65%	248.9400	1046.9000	1070.7000	1054.6000	253.2700	1007.1000	97.80%
2	22:14:24	92.95%	249.0100	1096.1000	1100.4000	1108.9000	271.5800	1024.8000	99.87%
3	22:15:01	93.77%	250.3200	1129.9000	1129.3000	1143.0000	277.9400	1064.0000	101.43%
4	22:15:38	95.16%	248.9900	1091.6000	1117.4000	1113.7000	264.3800	1058.1000	102.83%
5	22:16:14	95.76%	247.0400	1098.8000	1126.8000	1121.4000	262.4800	1029.8000	102.65%
x		94.06%	248.8600	1092.7000	1108.9000	1108.3000	265.9300	1036.8000	100.92%
%RSD		1.45	0.4711	2.7182	2.1805	2.9540	3.5215	2.2959	2.09

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	22:13:48	0.1330	243.6400	243.3400	ID 42.9300	246.0300	1066.0000	1015.0000	245.9400
2	22:14:24	0.1716	244.1800	242.1500	ID 43.7660	243.4800	1093.7000	1034.8000	244.2600
3	22:15:01	0.1478	239.0700	239.5700	ID 44.3210	242.3300	1112.7000	1061.0000	245.1200
4	22:15:38	0.1041	242.1100	242.1700	ID 44.1940	242.6800	1086.8000	1031.3000	243.1400
5	22:16:14	0.1018	239.9900	238.4100	ID 44.2400	243.7500	1082.6000	1026.2000	241.0700
x		0.1317	241.8000	241.1300	ID 43.8900	243.6500	1088.3000	1033.7000	243.9000
%RSD		22.4980	0.9224	0.8515	ID 1.3176	0.5939	1.5615	1.6436	0.7766

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	22:13:48	246.1600	244.4000	247.2200	244.6300	249.7300	253.4400	249.7600	0.9428
2	22:14:24	243.8200	242.9400	242.8300	244.2400	243.2400	249.3400	244.4500	-0.0338
3	22:15:01	243.6200	243.0700	242.9400	243.7800	245.5000	248.6600	246.9000	-0.6250
4	22:15:38	243.9300	241.5200	242.2100	243.7900	242.8700	246.6400	240.3600	0.6407
5	22:16:14	242.8100	240.8800	241.3500	242.2200	242.6100	242.1800	242.7500	-0.4312
x		244.0700	242.5600	243.3100	243.7300	244.7900	248.0500	244.8400	0.0987
%RSD		0.5107	0.5722	0.9347	0.3761	1.2210	1.6567	1.4871	684.9900

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	22:13:48	97.07%	244.0500	1.5973	243.9500	245.8200	244.1100	97.27%	0.0000
2	22:14:24	100.92%	241.6900	-1.1323	241.0300	246.1300	242.6600	100.99%	0.0000
3	22:15:01	102.72%	240.9200	-1.1282	240.8400	245.9100	243.8700	103.36%	0.0000
4	22:15:38	103.35%	241.6900	-0.5135	241.9600	245.8400	245.0200	104.11%	0.0000
5	22:16:14	104.64%	239.7800	0.1244	239.1000	242.8600	241.4400	105.81%	0.0000
x		101.74%	241.6300	-0.2105	241.3800	245.3100	243.4200	102.31%	0.0000
%RSD		2.89	0.6468	539.9100	0.7345	0.5619	0.5714	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	22:13:48	241.0800	246.7600	244.3400	T 96.74%	242.6200	237.7100	243.6800	242.8800
2	22:14:24	241.4000	248.0500	246.6300	T 99.95%	241.8800	239.3900	243.5800	243.9800
3	22:15:01	242.5200	249.2400	244.7200	T 102.78%	243.1700	238.8000	244.2700	243.3400
4	22:15:38	243.6500	244.0800	245.4300	T 104.32%	241.4600	238.2800	243.9300	243.9600
5	22:16:14	241.4800	243.5200	244.5800	T 105.14%	243.2300	238.8400	243.1800	243.6600
x		242.0200	246.3300	245.1400	T 101.79%	242.4700	238.6100	243.7300	243.5600
%RSD		0.4370	1.0065	0.3790	T 3.39	0.3239	0.2662	0.1667	0.1890

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	22:13:48	241.3700	94.94%	0.0000
2	22:14:24	242.1600	99.28%	0.5707
3	22:15:01	241.7400	102.26%	1.6620
4	22:15:38	242.3600	103.26%	0.0000
5	22:16:14	241.8100	104.47%	0.0000
x		241.8900	100.84%	0.4465
%RSD		0.1586	3.79	161.9200

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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	22:19:11	95.50%	0.0620	17.1170	18.7330	17.5550	15.8840	16.2010	100.79%
2	22:19:47	95.72%	0.0602	17.2250	16.2040	17.0250	14.7370	18.4530	102.59%
3	22:20:24	96.10%	0.0286	9.1359	9.6961	10.3580	8.6435	8.2199	104.65%
4	22:21:01	98.89%	0.0128	4.1518	3.9362	3.5369	4.8439	7.9365	106.57%
5	22:21:37	99.75%	0.0211	1.8308	1.9682	1.3323	3.0610	5.0725	108.31%
x		97.19%	0.0370	9.8920	10.1080	9.9615	9.4339	11.1770	104.58%
%RSD		2.04	61.5810	72.2770	72.7150	75.0300	60.9010	51.9190	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	22:19:11	0.1602	0.0811	0.1566	ID 0.6999	0.0381	27.9710	17.8260	0.0598
2	22:19:47	0.1084	0.0751	0.1448	ID 0.6715	0.0358	25.2480	10.8970	0.0562
3	22:20:24	0.0618	0.0709	0.0506	ID 0.3428	0.0133	20.3720	5.5563	0.0326
4	22:21:01	0.0591	0.0827	0.0259	ID 0.0847	-0.0027	15.4220	-5.1154	0.0223
5	22:21:37	0.0227	0.0254	0.0641	ID 0.1033	-0.0204	12.9280	-3.3914	0.0224
x		0.0825	0.0670	0.0884	ID 0.3804	0.0128	20.3880	5.1546	0.0387
%RSD		64.3350	35.4450	66.3450	ID 78.0190	195.5400	31.1600	187.1400	47.0950

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	22:19:11	0.0287	0.3128	0.1325	0.0479	0.0856	2.7486	0.0965	-0.0770
2	22:19:47	0.0700	0.3217	0.1415	0.0438	0.0705	2.1307	-0.0032	-0.0525
3	22:20:24	0.0210	0.3083	0.0664	-0.0166	0.0393	2.3524	-0.0383	0.2967
4	22:21:01	0.0040	0.2652	0.0602	-0.0626	0.0145	1.7834	-0.0839	0.4706
5	22:21:37	-0.0034	0.2329	0.0639	-0.1034	0.0709	2.0918	0.2161	-0.0919
x		0.0241	0.2882	0.0929	-0.0182	0.0561	2.2214	0.0374	0.1092
%RSD		119.3400	13.1270	43.5410	363.1200	51.2290	16.1050	320.3400	236.6200

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	22:19:11	98.99%	0.0665	-1.6010	0.0663	0.0830	0.0614	97.66%	0.0000
2	22:19:47	102.52%	0.0661	-0.6529	0.0777	0.0579	0.0645	102.05%	0.0000
3	22:20:24	105.37%	0.0405	-0.4506	0.0503	0.0359	0.0421	103.98%	0.0000
4	22:21:01	107.15%	0.0309	-0.0749	0.0338	0.0281	0.0296	106.44%	0.0000
5	22:21:37	108.84%	0.0204	0.8541	0.0245	0.0142	0.0070	108.56%	0.0000
x		104.57%	0.0449	-0.3851	0.0505	0.0438	0.0409	103.74%	0.0000
%RSD		3.73	46.3280	231.7800	43.6530	61.6770	58.0790	4.04	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	22:19:11	0.5783	0.0917	0.0806	92.71%	0.1053	0.0871	0.0754	0.0830
2	22:19:47	0.6863	0.0198	0.0443	T 100.17%	0.0884	0.0903	0.0803	0.0832
3	22:20:24	0.6333	0.0513	0.0278	T 103.51%	0.0510	0.0471	0.0257	0.0423
4	22:21:01	0.4787	0.0185	0.0360	T 105.58%	0.0362	0.0319	0.0140	0.0154
5	22:21:37	0.4407	0.0129	0.0207	T 106.88%	0.0194	0.0228	0.0309	0.0081
x		0.5634	0.0388	0.0419	T 101.77%	0.0601	0.0558	0.0452	0.0464
%RSD		18.2840	85.3300	55.7980	T 5.56	59.7350	55.9760	67.2680	77.2440

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	22:19:11	0.0746	93.45%	0.0000
2	22:19:47	0.0793	98.08%	0.0000
3	22:20:24	0.0348	101.67%	0.0000
4	22:21:01	0.0145	103.71%	0.5462
5	22:21:37	0.0151	105.60%	0.0000
x		0.0437	100.50%	0.1093
%RSD		72.1360	4.80	223.6100

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	22:24:35	97.17%	0.0386	10.5000	10.4250	10.9990	10.7400	27.9940	100.56%
2	22:25:11	99.10%	0.0461	16.0410	16.7690	16.5800	13.9690	27.7240	103.50%
3	22:25:48	98.84%	0.0404	13.8220	13.6900	14.1820	12.9600	26.7310	104.22%
4	22:26:25	99.71%	0.0312	9.5482	9.4626	9.9350	9.9625	20.3200	106.07%
5	22:27:02	99.98%	0.0096	5.2670	5.5691	7.1223	6.9754	15.7190	105.69%
x		98.96%	0.0332	11.0360	11.1830	11.7640	10.9210	23.6970	104.01%
%RSD		1.11	42.7470	37.5250	38.0790	31.3840	25.0620	23.0110	2.11

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	22:24:35	0.1646	0.3217	0.4748	ID 0.5867	0.0072	21.6590	7.6678	0.0295
2	22:25:11	0.1087	0.4111	0.4184	ID 0.7110	0.0299	22.8340	1.8122	0.0400
3	22:25:48	0.0651	-0.0608	0.3994	ID 0.5327	0.0275	20.4830	4.3243	0.0391
4	22:26:25	0.0843	0.0216	0.3979	ID 0.3846	-0.0098	16.1270	-5.1111	0.0246
5	22:27:02	0.0935	0.1788	0.3812	ID 0.4263	-0.0032	13.4590	-3.2065	0.0164
x		0.1032	0.1745	0.4143	ID 0.5283	0.0103	18.9120	1.0973	0.0299
%RSD		36.5670	113.3400	8.7512	ID 24.6560	172.9900	20.9650	480.4000	33.3560

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	22:24:35	0.0846	0.3657	0.2282	1.5916	-0.0436	1.2272	-0.0914	0.8018
2	22:25:11	0.1237	0.4026	0.1799	1.3594	0.2944	1.1431	-0.0032	0.0326
3	22:25:48	0.1618	0.3694	0.1771	1.5221	0.0897	0.8712	0.0091	0.0706
4	22:26:25	0.0552	0.3572	0.1856	1.4214	-0.0254	0.5466	0.1273	0.4894
5	22:27:02	0.0873	0.3486	0.2002	1.5575	0.1293	0.4508	0.1265	-0.4076
x		0.1025	0.3687	0.1942	1.4904	0.0889	0.8478	0.0337	0.1974
%RSD		40.1080	5.5836	10.8120	6.5108	153.5000	40.8630	277.7500	234.9300

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	22:24:35	99.83%	0.0582	-0.3535	0.0544	0.0232	0.0396	98.44%	0.0000
2	22:25:11	102.92%	0.0664	-0.0708	0.0505	0.0242	0.0426	101.94%	0.0000
3	22:25:48	104.65%	0.0618	0.0062	0.0597	0.0374	0.0412	104.61%	0.0000
4	22:26:25	105.40%	0.0378	0.0086	0.0394	0.0369	0.0263	105.78%	0.0000
5	22:27:02	106.69%	0.0267	0.4263	0.0371	0.0143	0.0094	107.07%	0.0000
x		103.90%	0.0502	0.0033	0.0482	0.0272	0.0318	103.57%	0.0000
%RSD		2.55	34.0150	8339.1000	20.1380	36.2790	44.2950	3.32	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	22:24:35	0.2009	0.0617	0.0468	94.05%	0.0193	0.0292	0.0283	0.0297
2	22:25:11	0.2539	0.0635	0.0782	T 101.36%	0.0443	0.0518	0.0659	0.0240
3	22:25:48	0.2379	0.0563	0.0729	T 104.26%	0.0284	0.0240	0.0402	0.0228
4	22:26:25	0.2057	0.0345	0.0870	T 105.43%	0.0124	0.0061	0.0262	0.0270
5	22:27:02	0.1823	0.0287	0.0179	T 107.13%	-0.0046	-0.0043	0.0131	0.0158
x		0.2161	0.0489	0.0606	T 102.45%	0.0199	0.0213	0.0348	0.0239
%RSD		13.4620	33.0960	46.4600	T 5.02	91.2360	101.6800	57.3430	22.0590

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	22:24:35	0.0313	95.34%	0.0000
2	22:25:11	0.0511	100.25%	0.0000
3	22:25:48	0.0393	102.47%	0.0000
4	22:26:25	0.0243	104.60%	0.0000
5	22:27:02	0.0152	105.99%	0.5345
x		0.0322	101.73%	0.1069
%RSD		42.7100	4.11	223.6100

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	22:30:00	95.44%	97.2430	1292.5000	1297.6000	1296.1000	525.3600	2058.5000	94.69%
2	22:30:36	96.11%	96.2510	1320.0000	1338.2000	1321.4000	522.5500	2109.3000	97.19%
3	22:31:13	96.81%	97.9980	1325.2000	1346.8000	1346.9000	524.2200	2090.7000	98.49%
4	22:31:50	96.32%	97.1580	1336.1000	1347.7000	1341.6000	510.8400	2067.3000	99.36%
5	22:32:27	96.10%	97.3660	1347.2000	1347.3000	1362.8000	510.4400	2110.0000	98.76%
x		96.16%	97.2030	1324.2000	1335.5000	1333.7000	518.6800	2087.2000	97.70%
%RSD		0.51	0.6442	1.5539	1.6156	1.9298	1.4291	1.1332	1.90

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	22:30:00	0.1140	97.4650	95.6130	ID 41.4120	96.9690	1083.4000	1041.2000	97.9920
2	22:30:36	0.0979	96.3310	95.5430	ID 41.4180	96.7360	1094.0000	1067.2000	97.3490
3	22:31:13	0.1089	95.8950	95.2530	ID 41.8600	97.0090	1100.0000	1061.1000	97.4950
4	22:31:50	0.0487	94.9730	94.2600	ID 41.7640	95.6350	1101.6000	1040.1000	96.3440
5	22:32:27	0.0679	95.8950	94.1150	ID 41.9780	96.8360	1102.7000	1041.3000	97.4630
x		0.0875	96.1120	94.9570	ID 41.6870	96.6370	1096.3000	1050.2000	97.3290
%RSD		32.0900	0.9406	0.7548	ID 0.6215	0.5907	0.7278	1.2336	0.6197

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	22:30:00	99.3870	98.6880	98.8670	202.2500	194.9600	201.2400	201.3000	-0.0459
2	22:30:36	98.5090	97.5180	98.2670	201.2000	195.4300	199.5400	200.1200	0.5068
3	22:31:13	98.9040	97.6130	97.8630	201.7700	193.9800	200.1600	198.4100	0.0010
4	22:31:50	97.0950	96.9530	97.4330	200.2000	193.2200	198.3500	196.1100	0.3681
5	22:32:27	99.3550	97.9630	98.8130	201.3600	192.4200	197.1300	197.3000	0.2594
x		98.6500	97.7470	98.2480	201.3500	194.0000	199.2800	198.6500	0.2179
%RSD		0.9538	0.6534	0.6263	0.3800	0.6344	0.8004	1.0534	108.7000

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	22:30:00	94.58%	96.0260	-1.2637	96.1370	97.8090	97.1290	94.23%	0.0000
2	22:30:36	97.09%	94.8310	-1.3012	95.5710	97.4120	97.2410	97.73%	0.0000
3	22:31:13	98.68%	95.2290	-0.2195	95.0080	97.6760	96.8820	99.94%	0.0000
4	22:31:50	100.19%	95.0230	0.3496	94.6130	97.1060	96.9930	101.05%	0.0000
5	22:32:27	100.34%	95.3590	0.7038	95.6960	99.0240	97.0220	101.46%	0.0000
x		98.18%	95.2930	-0.3462	95.4050	97.8050	97.0540	98.88%	0.0000
%RSD		2.45	0.4786	264.6100	0.6272	0.7491	0.1411	3.01	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	22:30:00	198.8600	99.7980	98.2950	T 94.10%	203.6500	198.7700	194.1900	205.1500
2	22:30:36	199.2900	98.4780	98.8760	T 98.29%	202.8800	199.5400	196.0100	206.6100
3	22:31:13	198.0400	99.0380	97.8160	T 101.15%	202.9200	199.2900	193.3400	203.8200
4	22:31:50	198.5200	99.6160	97.5340	T 102.02%	202.3800	198.5700	192.7300	203.4900
5	22:32:27	199.1600	100.7700	99.2320	T 102.73%	203.2900	199.5800	193.5900	204.1100
x		198.7700	99.5390	98.3510	T 99.66%	203.0200	199.1500	193.9700	204.6400
%RSD		0.2542	0.8638	0.7205	T 3.55	0.2338	0.2306	0.6481	0.6186

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	22:30:00	197.6800	92.92%	0.0000
2	22:30:36	199.5400	96.93%	0.0000
3	22:31:13	197.3000	100.07%	1.1322
4	22:31:50	196.7600	101.91%	0.0000
5	22:32:27	197.1700	103.00%	0.5500
x		197.6900	98.97%	0.3365
%RSD		0.5500	4.13	149.9800

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	22:35:24	92.56%	0.0107	TM 38305.0000	TM 38834.0000	TM 38594.0000	3.5253	TM 166920.0000	90.22%
2	22:36:01	91.38%	0.0457	TM 39167.0000	TM 39646.0000	TM 39589.0000	10.1030	TM 168040.0000	90.99%
3	22:36:37	93.40%	0.0289	TM 39060.0000	TM 39811.0000	TM 39749.0000	7.5935	TM 171350.0000	90.79%
4	22:37:14	92.25%	0.0124	TM 39591.0000	TM 40238.0000	TM 39912.0000	4.1373	TM 172010.0000	90.52%
5	22:37:51	93.21%	0.0074	TM 39528.0000	TM 40222.0000	TM 39947.0000	3.0265	TM 172310.0000	90.56%
x		92.56%	0.0210	TM 39130.0000	TM 39750.0000	TM 39558.0000	5.6772	TM 170130.0000	90.62%
%RSD		0.88	76.6240	TM 1.3138	TM 1.4422	TM 1.4093	53.7830	TM 1.4538	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	22:35:24	0.4252	0.7219	0.7141	ID 1.0097	88.4590	41.1230	1671.6000	0.7668
2	22:36:01	0.3723	0.8542	0.6981	ID 0.9782	87.9730	45.2320	1623.9000	0.8058
3	22:36:37	0.3337	0.3213	0.6650	ID 0.7744	89.0680	38.9450	1393.6000	0.7220
4	22:37:14	0.3068	0.7572	0.6165	ID 0.5585	88.6130	34.0690	1447.5000	0.7154
5	22:37:51	0.3350	0.7391	0.6148	ID 0.6228	89.0180	30.4820	1380.6000	0.6796
x		0.3546	0.6787	0.6617	ID 0.7887	88.6260	37.9700	1503.4000	0.7379
%RSD		12.9270	30.3900	6.8976	ID 25.7860	0.5059	15.2960	8.9888	6.6392

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	22:35:24	4.5748	1.7858	1.9147	14.8940	4.1316	0.6506	0.6169	1.1824
2	22:36:01	4.3389	1.6760	1.9704	15.3510	4.2232	0.2737	0.4822	0.6221
3	22:36:37	4.1443	1.7413	1.8471	14.9760	4.5963	0.3770	0.5604	0.0372
4	22:37:14	4.2577	1.6332	1.8286	15.3930	4.4268	-0.0141	0.9174	-0.4474
5	22:37:51	4.0513	1.6896	1.8777	15.2950	4.6375	0.2530	0.9109	-0.5941
x		4.2734	1.7052	1.8877	15.1820	4.4031	0.3080	0.6975	0.1601
%RSD		4.7000	3.4779	2.9969	1.5133	5.0645	77.8560	29.1660	464.5700

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	22:35:24	87.45%	0.0592	-0.6849	0.0689	0.0614	0.0502	85.03%	0.0000
2	22:36:01	88.91%	0.0834	-0.1913	0.0822	0.0802	0.0738	87.85%	0.0000
3	22:36:37	90.09%	0.0511	0.3326	0.0600	0.0500	0.0705	89.48%	0.0000
4	22:37:14	90.45%	0.0420	1.3592	0.0441	0.0619	0.0543	89.94%	0.0000
5	22:37:51	89.56%	0.0397	0.3656	0.0351	0.0662	0.0576	89.96%	0.0000
x		89.29%	0.0551	0.2363	0.0581	0.0639	0.0613	88.45%	0.0000
%RSD		1.32	31.9550	322.2300	32.5200	17.0160	16.8170	2.37	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	22:35:24	3.1159	42.7750	42.0610	T 90.88%	0.1739	0.1474	0.1289	0.1253
2	22:36:01	3.0943	42.8530	42.2540	90.45%	0.1636	0.1809	0.1547	0.1613
3	22:36:37	3.2680	42.6530	42.1950	92.30%	0.1109	0.1189	0.1166	0.1205
4	22:37:14	3.1411	42.0980	41.8300	T 96.70%	0.1067	0.0931	0.0995	0.1041
5	22:37:51	3.0854	43.3090	42.1170	T 96.98%	0.0855	0.0690	0.1084	0.1338
x		3.1409	42.7380	42.0920	T 93.46%	0.1281	0.1219	0.1216	0.1290
%RSD		2.3634	1.0178	0.3888	T 3.38	30.0640	36.1480	17.6140	16.3280

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	22:35:24	0.1258	82.91%	0.0000
2	22:36:01	0.1434	87.04%	0.0000
3	22:36:37	0.1171	89.46%	0.0000
4	22:37:14	0.1049	90.98%	0.0000
5	22:37:51	0.1070	91.44%	0.0000
x		0.1196	88.37%	0.0000
%RSD		13.1310	3.96	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	22:40:49	93.19%	0.0570	T 7724.3000	7899.1000	7925.8000	11.0190	M 32034.0000	88.41%
2	22:41:26	94.22%	0.1004	T 7842.0000	8004.7000	8078.1000	11.5730	M 32162.0000	90.53%
3	22:42:02	95.55%	0.0822	T 7914.4000	8105.7000	8070.6000	12.4480	M 32325.0000	91.31%
4	22:42:39	95.40%	0.0869	T 7992.4000	8169.9000	8145.2000	12.0180	M 32406.0000	91.73%
5	22:43:15	96.58%	0.0796	T 7891.2000	8169.5000	8146.2000	11.6340	M 32469.0000	92.31%
x		94.99%	0.0812	T 7872.9000	8069.8000	8073.2000	11.7380	M 32279.0000	90.86%
%RSD		1.38	19.3810	T 1.2602	1.4481	1.1127	4.5443	M 0.5536	1.66

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	22:40:49	0.1691	0.1557	0.3262	ID -0.1367	17.8580	12.0360	357.8800	0.2252
2	22:41:26	0.1361	0.1565	0.2407	ID -0.1816	18.0440	11.3990	334.1300	0.2149
3	22:42:02	0.1252	0.2620	0.2106	ID -0.1955	17.9080	10.6330	287.2500	0.2371
4	22:42:39	0.0877	0.4204	0.2514	ID -0.2434	17.7320	7.8494	301.6500	0.2438
5	22:43:15	0.0821	0.2451	0.1831	ID -0.1675	17.7780	4.7575	297.6800	0.2304
x		0.1200	0.2479	0.2424	ID -0.1849	17.8640	9.3350	315.7200	0.2303
%RSD		29.9650	43.6250	22.2460	ID 21.2450	0.6795	32.3160	9.3026	4.8156

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	22:40:49	1.0755	0.5823	0.7332	4.1776	1.0253	0.4949	0.3203	-1.0557
2	22:41:26	0.9757	0.6254	0.7338	4.1329	1.0090	0.1426	0.5042	-1.5661
3	22:42:02	1.0139	0.5831	0.7571	4.2022	0.8600	0.0690	0.2121	-0.6641
4	22:42:39	1.0550	0.5817	0.7115	4.5206	0.9419	0.4612	0.2115	-0.7326
5	22:43:15	1.0001	0.5476	0.5663	3.9931	1.0507	0.3985	0.2776	-0.7581
x		1.0240	0.5840	0.7004	4.2053	0.9774	0.3132	0.3052	-0.9553
%RSD		3.9730	4.7254	10.9480	4.6123	7.8792	62.0070	39.4780	39.0440

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	22:40:49	87.44%	0.0699	-0.3118	0.0687	0.0968	0.0837	87.79%	0.0000
2	22:41:26	90.40%	0.0882	-0.3305	0.0845	0.0750	0.0869	91.38%	0.0000
3	22:42:02	91.52%	0.0734	0.5799	0.0831	0.1012	0.0724	92.81%	0.0000
4	22:42:39	91.77%	0.0757	0.8961	0.0702	0.1134	0.0640	94.04%	0.0000
5	22:43:15	92.47%	0.0750	0.4859	0.0700	0.0900	0.0905	94.21%	0.0000
x		90.72%	0.0764	0.2639	0.0753	0.0953	0.0795	92.05%	0.0000
%RSD		2.18	9.0843	210.4000	10.3290	14.8870	13.8510	2.86	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	22:40:49	0.7490	8.4719	8.4247	87.73%	0.0829	0.0858	0.0810	0.1048
2	22:41:26	0.7389	8.8018	8.3953	T 94.50%	0.1108	0.0976	0.1012	0.0982
3	22:42:02	0.6698	8.2835	8.3726	T 96.54%	0.1023	0.0906	0.1014	0.0965
4	22:42:39	0.7001	8.3125	8.3691	T 98.04%	0.0864	0.0913	0.1209	0.0933
5	22:43:15	0.7920	9.0100	8.3802	T 98.84%	0.0990	0.0856	0.1107	0.1330
x		0.7299	8.5759	8.3884	T 95.13%	0.0963	0.0902	0.1031	0.1052
%RSD		6.4264	3.7112	0.2705	T 4.69	11.9610	5.4427	14.3010	15.3350

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	22:40:49	0.0949	89.74%	0.0000
2	22:41:26	0.0970	94.28%	0.0000
3	22:42:02	0.1037	96.66%	0.0000
4	22:42:39	0.1093	98.05%	0.0000
5	22:43:15	0.1165	98.89%	0.0000
x		0.1043	95.53%	0.0000
%RSD		8.5407	3.85	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	22:46:14	88.49%	-0.0009	TM 34853.0000	TM 35448.0000	TM 35539.0000	2.9031	TM 157770.0000	84.82%
2	22:46:51	89.51%	0.0005	TM 35714.0000	TM 36068.0000	TM 35987.0000	3.0949	TM 158040.0000	86.95%
3	22:47:27	90.55%	-0.0029	TM 35891.0000	TM 36494.0000	TM 36018.0000	3.6141	TM 158810.0000	88.85%
4	22:48:04	91.74%	0.0031	TM 36091.0000	TM 36339.0000	TM 36394.0000	3.6086	TM 159240.0000	89.77%
5	22:48:41	93.25%	-0.0019	TM 36095.0000	TM 36903.0000	TM 36610.0000	4.1479	TM 160480.0000	90.90%
x		90.71%	-0.0004	TM 35729.0000	TM 36251.0000	TM 36109.0000	3.4737	TM 158870.0000	88.26%
%RSD		2.05	581.6000	TM 1.4396	TM 1.4926	TM 1.1422	14.1140	TM 0.6767	2.73

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	22:46:14	0.4843	0.3649	0.4029	ID 0.2868	177.9200	31.7320	1710.1000	0.9810
2	22:46:51	0.4433	0.7807	0.4596	ID 0.3796	176.1300	26.0990	1518.2000	0.9202
3	22:47:27	0.4824	0.3193	0.4677	ID 0.4755	176.7000	25.7700	1460.4000	0.9156
4	22:48:04	0.4602	0.6834	0.4011	ID 0.5068	178.0500	25.4030	1321.9000	0.8472
5	22:48:41	0.4034	0.3780	0.4529	ID 0.4466	177.1700	25.7700	1335.0000	0.8798
x		0.4547	0.5053	0.4369	ID 0.4191	177.1900	26.9550	1469.1000	0.9088
%RSD		7.3247	41.7570	7.3804	ID 20.9000	0.4594	9.9496	10.7740	5.5081

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	22:46:14	5.7849	4.3411	4.8735	1137.9000	5.1579	1.1148	0.5001	1.0286
2	22:46:51	5.4670	4.4996	4.5836	1136.4000	5.3935	0.8298	0.8300	1.1532
3	22:47:27	5.3993	4.3994	4.4805	1125.9000	5.0485	0.6709	0.9839	-0.2255
4	22:48:04	5.1077	4.2859	4.4353	1135.3000	5.3636	0.7300	1.0719	-0.4466
5	22:48:41	5.1838	4.3491	4.3873	1132.0000	5.0438	0.0628	0.5320	1.3336
x		5.3885	4.3750	4.5520	1133.5000	5.2015	0.6816	0.7836	0.5687
%RSD		4.9468	1.8381	4.2568	0.4206	3.2363	56.5840	33.0990	147.1200

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	22:46:14	82.98%	0.0313	0.1944	0.0206	5.4158	5.5368	82.59%	0.0000
2	22:46:51	86.19%	0.0432	0.3192	0.0438	5.6324	5.5360	85.42%	0.0000
3	22:47:27	87.95%	0.0464	0.8663	0.0425	5.5055	5.6207	87.64%	0.0000
4	22:48:04	88.89%	0.0462	0.4020	0.0429	5.6018	5.3597	89.35%	0.0000
5	22:48:41	90.15%	0.0552	1.1045	0.0576	5.6986	5.5241	90.13%	0.0000
x		87.23%	0.0445	0.5773	0.0415	5.5708	5.5155	87.03%	0.0000
%RSD		3.19	19.3890	67.3940	31.9610	1.9943	1.7271	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	22:46:14	6.5384	57.0370	55.9210	84.79%	0.5188	0.4905	4.0700	4.4455
2	22:46:51	6.4499	57.0270	56.4160	88.88%	0.5053	0.4955	4.1375	4.4426
3	22:47:27	6.4022	55.8850	54.4380	T 94.18%	0.5157	0.5117	4.1029	4.3747
4	22:48:04	6.3734	55.8950	55.7420	T 96.73%	0.5256	0.5025	4.0141	4.4092
5	22:48:41	6.5739	56.5230	55.9410	T 97.99%	0.5119	0.4890	4.0362	4.3774
x		6.4675	56.4730	55.6910	T 92.51%	0.5155	0.4978	4.0721	4.4099
%RSD		1.3342	1.0122	1.3357	T 6.00	1.4657	1.8813	1.2207	0.7716

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	22:46:14	4.2183	81.95%	0.0000
2	22:46:51	4.2656	85.76%	0.6606
3	22:47:27	4.2608	88.44%	0.0000
4	22:48:04	4.2612	90.30%	0.0000
5	22:48:41	4.2614	91.69%	0.0000
x		4.2535	87.63%	0.1321
%RSD		0.4639	4.42	223.6100

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	22:51:40	91.79%	0.0016	TM 36849.0000	TM 37421.0000	TM 37594.0000	1.8481	TM 160850.0000	87.65%
2	22:52:17	92.20%	0.0046	TM 37727.0000	TM 38200.0000	TM 38340.0000	3.4547	TM 161970.0000	89.58%
3	22:52:54	92.87%	0.0028	TM 38244.0000	TM 38633.0000	TM 38788.0000	2.2160	TM 161810.0000	90.66%
4	22:53:31	94.32%	-0.0067	TM 38292.0000	TM 38799.0000	TM 38477.0000	1.5528	TM 163750.0000	91.49%
5	22:54:07	94.25%	-0.0097	TM 38617.0000	TM 39174.0000	TM 39224.0000	1.3947	TM 165550.0000	91.95%
x		93.09%	-0.0015	TM 37946.0000	TM 38445.0000	TM 38484.0000	2.0933	TM 162780.0000	90.27%
%RSD		1.25	429.4000	TM 1.8209	TM 1.7451	TM 1.5661	39.3130	TM 1.1462	1.90

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	22:51:40	0.2888	0.4798	0.4291	ID 0.2475	267.8000	28.1000	1742.7000	1.2853
2	22:52:17	0.2519	-0.0217	0.4516	ID 0.3095	269.6800	28.7180	1515.1000	1.2460
3	22:52:54	0.2866	-0.0375	0.3868	ID 0.3066	268.2800	25.9400	1384.2000	1.2644
4	22:53:31	0.2588	0.2244	0.4089	ID 0.2373	269.6900	23.3540	1424.4000	1.2012
5	22:54:07	0.1677	0.2870	0.3919	ID 0.2691	270.4600	22.4250	1310.4000	1.1580
x		0.2507	0.1864	0.4137	ID 0.2740	269.1800	25.7080	1475.4000	1.2310
%RSD		19.6340	117.2800	6.5036	ID 12.1050	0.4106	10.8560	11.2980	4.1651

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	22:51:40	5.5165	4.9803	5.1161	1626.4000	5.0205	1.3247	0.8943	0.5093
2	22:52:17	5.7333	4.9202	5.1676	1624.4000	4.9451	0.9164	1.1319	0.5297
3	22:52:54	5.5414	4.8997	5.1128	1641.6000	5.1291	0.9245	1.2015	-0.1227
4	22:53:31	5.4315	4.9341	4.8788	1626.0000	4.9765	1.2413	0.8836	0.2885
5	22:54:07	5.2169	4.8376	5.1568	1637.6000	4.7240	0.5331	0.6580	0.4164
x		5.4879	4.9144	5.0864	1631.2000	4.9590	0.9880	0.9539	0.3242
%RSD		3.4155	1.0606	2.3310	0.4804	2.9982	31.7510	22.7920	82.4630

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	22:51:40	85.32%	0.0423	-0.2347	0.0415	9.2165	8.9261	84.11%	0.0000
2	22:52:17	88.53%	0.0839	-0.0747	0.0886	9.0542	8.8733	87.89%	0.0000
3	22:52:54	89.65%	0.0520	0.8717	0.0489	9.2938	8.7702	89.52%	0.0000
4	22:53:31	91.02%	0.0281	0.3128	0.0306	8.9518	9.0712	90.63%	0.0000
5	22:54:07	92.04%	0.0343	1.0099	0.0278	9.2364	8.9119	91.71%	0.0000
x		89.31%	0.0481	0.3770	0.0475	9.1505	8.9105	88.77%	0.0000
%RSD		2.91	45.5770	146.9500	51.5920	1.5555	1.2183	3.34	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	22:51:40	8.1203	59.4870	60.0960	86.72%	0.7680	0.7222	3.1557	3.4808
2	22:52:17	8.0283	58.3850	57.7120	T 94.02%	0.7705	0.7318	3.1303	3.5067
3	22:52:54	8.2004	59.1830	57.9630	T 96.83%	0.7417	0.7065	3.1281	3.5241
4	22:53:31	8.2034	58.4200	58.7190	T 98.02%	0.6968	0.7164	3.1468	3.4024
5	22:54:07	8.0535	58.7490	58.6060	T 99.40%	0.7321	0.7078	3.1569	3.5185
x		8.1212	58.8450	58.6190	T 95.00%	0.7418	0.7169	3.1435	3.4865
%RSD		0.9973	0.8181	1.5832	T 5.30	4.0612	1.4669	0.4361	1.4301

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	22:51:40	3.3201	84.14%	0.0000
2	22:52:17	3.3233	87.72%	0.0000
3	22:52:54	3.3033	90.49%	0.0000
4	22:53:31	3.2725	91.77%	0.6174
5	22:54:07	3.3267	92.99%	0.0000
x		3.3092	89.42%	0.1235
%RSD		0.6765	3.96	223.6100

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	22:57:06	91.89%	-0.0063	TM 37090.0000	TM 37769.0000	TM 37763.0000	6.3376	TM 162060.0000	88.10%
2	22:57:42	93.58%	-0.0081	TM 37924.0000	TM 38611.0000	TM 38386.0000	6.6363	TM 164350.0000	90.31%
3	22:58:19	93.16%	-0.0034	TM 38780.0000	TM 39331.0000	TM 39078.0000	6.9397	TM 163470.0000	90.98%
4	22:58:57	93.67%	-0.0066	TM 38540.0000	TM 39249.0000	TM 39119.0000	6.6802	TM 165010.0000	92.44%
5	22:59:33	94.66%	-0.0006	TM 38411.0000	TM 39273.0000	TM 39177.0000	6.4849	TM 165370.0000	92.87%
x		93.39%	-0.0050	TM 38149.0000	TM 38847.0000	TM 38705.0000	6.6157	TM 164050.0000	90.94%
%RSD		1.07	59.3280	TM 1.7544	TM 1.7243	TM 1.5944	3.4138	TM 0.8085	2.09

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	22:57:06	0.3199	0.1015	0.4785	ID 0.3677	245.6300	30.9830	1649.6000	1.0231
2	22:57:42	0.2912	0.6174	0.4144	ID 0.4677	245.8500	30.4290	1543.4000	0.9815
3	22:58:19	0.2652	-0.0461	0.4631	ID 0.3954	247.0500	29.8780	1427.9000	1.0248
4	22:58:57	0.2726	0.2761	0.4196	ID 0.3913	247.3900	25.9870	1480.9000	1.0417
5	22:59:33	0.2046	0.0273	0.3988	ID 0.4049	246.1500	26.5800	1368.1000	1.0059
x		0.2707	0.1952	0.4349	ID 0.4054	246.4100	28.7720	1494.0000	1.0154
%RSD		15.7130	135.5100	7.8428	ID 9.2351	0.3113	8.0420	7.2582	2.2467

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	22:57:06	5.4994	4.5876	4.9884	1218.7000	5.6743	1.2900	0.9889	0.1645
2	22:57:42	5.3793	4.5433	4.8220	1224.6000	5.5054	0.9650	1.3231	0.1502
3	22:58:19	5.1851	4.5495	4.9859	1225.2000	5.3570	1.0383	1.1063	-0.4023
4	22:58:57	5.4960	4.6340	4.5269	1223.3000	5.7800	0.8348	1.1505	0.7278
5	22:59:33	5.2024	4.5739	4.9495	1232.7000	5.0028	1.1716	0.8092	0.5469
x		5.3525	4.5777	4.8545	1224.9000	5.4639	1.0599	1.0756	0.2374
%RSD		2.8556	0.7922	4.0236	0.4123	5.5661	16.7140	17.7800	183.4100

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	22:57:06	86.02%	0.0261	-0.3789	0.0289	7.0181	7.1783	84.90%	0.0000
2	22:57:42	88.86%	0.0304	0.5593	0.0405	7.2894	7.1008	88.26%	0.0000
3	22:58:19	90.77%	0.0478	1.3374	0.0427	7.4295	7.0584	90.21%	0.0000
4	22:58:57	91.49%	0.0389	0.5624	0.0390	7.0225	7.1716	91.07%	0.0000
5	22:59:33	91.57%	0.0294	1.7866	0.0296	7.2619	7.1717	92.29%	0.0000
x		89.74%	0.0345	0.7734	0.0361	7.2043	7.1361	89.35%	0.0000
%RSD		2.62	25.4950	107.4600	17.7600	2.4923	0.7546	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	22:57:06	7.8669	58.8100	59.1900	T 90.56%	0.6462	0.6415	1.8878	2.0976
2	22:57:42	7.8990	59.6850	59.2260	T 94.00%	0.6610	0.6282	1.9371	2.2611
3	22:58:19	8.1377	58.9660	59.3750	T 96.78%	0.6418	0.6221	1.9090	2.1646
4	22:58:57	7.8400	59.9350	58.5730	T 98.12%	0.6321	0.6482	1.9942	2.0285
5	22:59:33	8.0450	60.4730	59.2960	T 98.90%	0.6610	0.6279	1.9577	2.0910
x		7.9577	59.5740	59.1320	T 95.67%	0.6484	0.6336	1.9372	2.1286
%RSD		1.6092	1.1580	0.5418	T 3.57	1.9422	1.7095	2.1441	4.1526

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	22:57:06	2.0182	83.41%	0.0000
2	22:57:42	2.0587	86.85%	0.0000
3	22:58:19	2.0464	90.13%	0.0000
4	22:58:57	2.0018	91.72%	0.0000
5	22:59:33	2.0207	92.76%	0.0000
x		2.0292	88.98%	0.0000
%RSD		1.1314	4.30	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	23:02:31	89.33%	0.0054	TM 67806.0000	TM 69180.0000	TM 68634.0000	5.8937	TM 300720.0000	88.02%
2	23:03:07	90.59%	0.0034	TM 69326.0000	TM 70853.0000	TM 70666.0000	5.8106	TM 306860.0000	90.61%
3	23:03:44	91.28%	0.0158	TM 69693.0000	TM 71086.0000	TM 70714.0000	5.7883	TM 305050.0000	92.37%
4	23:04:21	91.26%	-0.0063	TM 70871.0000	TM 72279.0000	TM 71659.0000	6.0643	TM 311580.0000	92.55%
5	23:04:57	91.73%	0.0140	TM 70753.0000	TM 71718.0000	TM 71453.0000	5.7450	TM 311430.0000	93.86%
x		90.84%	0.0065	TM 69690.0000	TM 71023.0000	TM 70625.0000	5.8604	TM 307130.0000	91.48%
%RSD		1.03	137.6800	TM 1.7875	TM 1.6496	TM 1.6946	2.1532	TM 1.4901	2.46

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:02:31	0.4251	0.3234	0.4749	ID 3.0608	506.9600	119.9000	3308.6000	5.0531
2	23:03:07	0.4253	0.3713	0.4886	ID 3.1670	502.9400	118.2200	3142.9000	5.0503
3	23:03:44	0.3481	0.0550	0.3808	ID 3.2164	500.8900	114.5300	2934.4000	5.0185
4	23:04:21	0.3260	0.2240	0.4801	ID 3.3090	504.4000	118.3000	2670.0000	4.9114
5	23:04:57	0.3100	0.1365	0.4132	ID 3.0987	T 498.4200	112.2500	2586.1000	4.9646
x		0.3669	0.2220	0.4475	ID 3.1704	T 502.7200	116.6400	2928.4000	4.9996
%RSD		14.9720	58.6210	10.6700	ID 3.0935	T 0.6501	2.6995	10.4490	1.2166

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	23:02:31	15.2140	6.8553	7.7471	T 3861.0000	3.5320	1.0372	0.4431	3.5125
2	23:03:07	14.7850	6.8863	7.5539	3987.5000	3.7462	0.9482	0.3155	2.6294
3	23:03:44	13.9360	6.8034	7.4039	T 3851.0000	3.5934	0.7711	0.5748	2.1221
4	23:04:21	14.4950	6.9526	7.3134	T 3836.7000	3.8664	0.6806	0.3890	2.1420
5	23:04:57	13.8300	6.9299	7.3636	T 3836.4000	3.5127	0.9954	-0.0880	3.0794
x		14.4520	6.8855	7.4764	T 3874.5000	3.6501	0.8865	0.3269	2.6971
%RSD		4.0157	0.8632	2.3531	T 1.6518	4.1561	17.3030	76.6440	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	23:02:31	85.09%	0.0181	-0.8879	0.0162	19.2370	19.0940	83.69%	0.0000
2	23:03:07	88.45%	0.0244	-0.4848	0.0230	19.3010	19.1830	86.59%	0.0000
3	23:03:44	89.59%	0.0313	2.2320	0.0239	19.4720	19.0830	88.75%	0.0000
4	23:04:21	91.19%	0.0310	1.1313	0.0259	19.5010	19.3170	90.03%	0.0000
5	23:04:57	91.78%	0.0306	0.0935	0.0321	18.9570	18.9500	91.02%	0.0000
x		89.22%	0.0271	0.4168	0.0242	19.2940	19.1250	88.01%	0.0000
%RSD		2.98	21.3850	304.0700	23.5970	1.1335	0.7088	3.33	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:02:31	14.3550	46.2310	45.8320	T 89.02%	1.4085	1.3151	6.3097	7.1287
2	23:03:07	14.5200	46.7810	46.1450	T 93.37%	1.4000	1.3132	6.3866	7.0125
3	23:03:44	14.5920	47.2480	45.5700	T 95.76%	1.4176	1.3326	6.3251	6.9903
4	23:04:21	14.5370	46.6310	46.5600	T 97.72%	1.3480	1.3152	6.2397	6.8617
5	23:04:57	14.2900	46.5830	45.8690	T 98.29%	1.4081	1.3395	6.4658	6.9552
x		14.4590	46.6950	45.9950	T 94.83%	1.3964	1.3231	6.3454	6.9897
%RSD		0.8928	0.7904	0.8169	T 3.99	1.9903	0.9126	1.3430	1.3836

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	23:02:31	6.7122	80.11%	0.0000
2	23:03:07	6.6667	84.20%	0.0000
3	23:03:44	6.7447	86.49%	0.6551
4	23:04:21	6.5963	88.09%	0.0000
5	23:04:57	6.7134	89.14%	0.0000
x		6.6867	85.61%	0.1310
%RSD		0.8628	4.19	223.6100

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:07:53	93.70%	0.0042	TM 34485.0000	TM 34704.0000	TM 34429.0000	9.7616	TM 153080.0000	90.13%
2	23:08:30	92.61%	-0.0018	TM 35191.0000	TM 35957.0000	TM 35807.0000	9.4682	TM 153130.0000	91.43%
3	23:09:06	93.95%	-0.0036	TM 35294.0000	TM 35803.0000	TM 35866.0000	9.4242	TM 155730.0000	92.64%
4	23:09:43	95.24%	0.0053	TM 35506.0000	TM 36194.0000	TM 36109.0000	9.4759	TM 155310.0000	93.25%
5	23:10:19	94.65%	-0.0022	TM 35594.0000	TM 36171.0000	TM 36357.0000	9.6596	TM 155480.0000	93.60%
x		94.03%	0.0004	TM 35214.0000	TM 35766.0000	TM 35714.0000	9.5579	TM 154550.0000	92.21%
%RSD		1.06	1017.6000	TM 1.2440	TM 1.7194	TM 2.1009	1.5205	TM 0.8558	1.55

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	23:07:53	0.2739	0.3590	0.3489	ID 1.4372	248.7600	67.6350	1729.0000	2.6907
2	23:08:30	0.2635	-0.0674	0.2776	ID 1.5802	250.6300	64.9310	1641.2000	2.6696
3	23:09:06	0.2124	-0.0721	0.2416	ID 1.4960	247.0300	63.0530	1437.8000	2.4966
4	23:09:43	0.2330	0.2034	0.2584	ID 1.6209	249.9900	63.2410	1331.4000	2.5196
5	23:10:19	0.1949	0.3220	0.2727	ID 1.4405	249.2700	60.0220	1338.7000	2.5224
x		0.2355	0.1490	0.2798	ID 1.5150	249.1300	63.7760	1495.6000	2.5798
%RSD		14.1500	139.4800	14.6880	ID 5.4652	0.5515	4.3742	12.0830	3.5849

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	23:07:53	8.0574	3.9800	4.1355	2078.6000	1.7720	1.2998	0.3466	0.6857
2	23:08:30	7.6095	3.8710	4.0750	2087.5000	2.1567	1.0387	0.7569	0.8285
3	23:09:06	7.5640	3.9633	4.1347	2081.0000	1.8998	0.7595	0.2650	1.1774
4	23:09:43	7.5234	3.9666	4.2479	2078.6000	1.6509	1.1018	0.1809	0.7996
5	23:10:19	7.2560	3.9411	4.2685	2088.0000	1.8216	0.7940	0.3963	1.2865
x		7.6021	3.9444	4.1723	2082.8000	1.8602	0.9988	0.3891	0.9556
%RSD		3.8059	1.0996	1.9765	0.2243	10.1500	22.5020	56.8600	27.2910

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	23:07:53	87.69%	0.0124	-0.5939	0.0077	10.0640	9.6608	86.63%	0.0000
2	23:08:30	89.52%	0.0088	0.1078	0.0159	9.7959	9.7561	89.61%	0.0000
3	23:09:06	91.78%	0.0162	-0.0081	0.0088	10.0900	9.7325	91.65%	0.0000
4	23:09:43	93.56%	0.0065	0.6668	0.0158	9.7856	9.9774	92.61%	0.0000
5	23:10:19	92.90%	0.0099	0.3076	0.0062	9.9051	9.7661	93.15%	0.0000
x		91.09%	0.0108	0.0960	0.0109	9.9282	9.7786	90.73%	0.0000
%RSD		2.68	34.4750	482.0900	42.5110	1.4525	1.2119	2.93	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	23:07:53	7.3562	23.5900	23.5810	86.93%	0.6647	0.6235	3.0922	3.3482
2	23:08:30	7.4533	23.2450	23.2350	T 94.08%	0.6337	0.6173	3.1532	3.4669
3	23:09:06	7.4788	23.0500	22.8390	T 96.89%	0.6807	0.6417	3.1671	3.4950
4	23:09:43	7.2715	23.5180	22.8270	T 98.67%	0.6581	0.6309	3.1428	3.3555
5	23:10:19	7.5525	23.2210	23.3890	T 99.58%	0.6907	0.6456	3.1597	3.5230
x		7.4225	23.3250	23.1740	T 95.23%	0.6656	0.6318	3.1430	3.4377
%RSD		1.4790	0.9593	1.4440	T 5.35	3.3049	1.8869	0.9464	2.3537

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	23:07:53	3.2589	84.49%	0.0000
2	23:08:30	3.3194	88.17%	0.0000
3	23:09:06	3.3159	91.10%	0.0000
4	23:09:43	3.2741	92.26%	0.0000
5	23:10:19	3.2931	93.55%	0.0000
x		3.2923	89.91%	0.0000
%RSD		0.7950	4.03	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:13:15	93.30%	-0.0019	TM 30562.0000	TM 31313.0000	TM 30993.0000	2.2029	TM 138450.0000	90.12%
2	23:13:52	94.57%	-0.0082	TM 30926.0000	TM 31463.0000	TM 31517.0000	2.1789	TM 138890.0000	91.86%
3	23:14:28	95.23%	-0.0008	TM 31209.0000	TM 31813.0000	TM 31987.0000	2.4608	TM 138990.0000	93.66%
4	23:15:05	95.06%	0.0023	TM 31710.0000	TM 32382.0000	TM 32395.0000	2.4109	TM 141120.0000	93.50%
5	23:15:42	95.49%	-0.0114	TM 31796.0000	TM 32170.0000	TM 32221.0000	2.3924	TM 141240.0000	93.89%
x		94.73%	-0.0040	TM 31241.0000	TM 31828.0000	TM 31822.0000	2.3292	TM 139740.0000	92.61%
%RSD		0.92	141.1900	TM 1.6706	TM 1.4249	TM 1.7881	5.5375	TM 0.9543	1.73

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:13:15	0.2796	0.2348	0.6379	ID 0.8833	443.9200	46.1130	1567.7000	1.7561
2	23:13:52	0.2295	0.2727	0.6114	ID 0.8906	441.6000	41.6950	1359.8000	1.6871
3	23:14:28	0.2316	0.2761	0.5423	ID 0.8224	441.6400	42.2310	1326.6000	1.6724
4	23:15:05	0.1993	0.3668	0.5515	ID 0.7877	445.2700	40.0300	1253.3000	1.7738
5	23:15:42	0.2169	0.0866	0.5570	ID 0.8648	443.3500	40.5640	1224.5000	1.7012
x		0.2314	0.2474	0.5800	ID 0.8498	443.1500	42.1270	1346.4000	1.7181
%RSD		12.9050	41.2840	7.2640	ID 5.1339	0.3535	5.6830	10.0380	2.5847

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	23:13:15	5.4442	2.9646	3.1440	985.8600	3.9165	1.3222	1.4372	-0.7084
2	23:13:52	5.4719	2.9709	2.9018	982.6500	4.0083	1.5859	1.0000	0.9707
3	23:14:28	5.0492	2.8464	3.0582	973.8800	3.8696	1.4560	1.2180	0.2100
4	23:15:05	5.0229	2.9021	2.9445	979.6500	3.7356	1.2362	1.2222	0.0613
5	23:15:42	5.0361	2.9944	2.8645	977.3100	4.0860	1.3235	1.1642	0.2151
x		5.2048	2.9357	2.9826	979.8700	3.9232	1.3848	1.2083	0.1497
%RSD		4.4482	2.0600	3.8838	0.4735	3.4168	9.9050	12.9540	398.8000

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:13:15	87.71%	0.0162	-1.5287	0.0111	4.2353	4.1417	86.76%	0.0000
2	23:13:52	90.18%	0.0261	0.3466	0.0410	4.2670	4.2448	89.64%	0.0000
3	23:14:28	92.57%	0.0818	0.3687	0.0765	4.2370	4.2229	91.61%	0.0000
4	23:15:05	93.45%	0.0603	0.4701	0.0650	4.2915	4.1012	92.98%	0.0000
5	23:15:42	93.82%	0.0382	0.7955	0.0432	4.0654	4.2980	92.79%	0.0000
x		91.54%	0.0445	0.0905	0.0474	4.2192	4.2017	90.76%	0.0000
%RSD		2.81	59.6660	1020.0000	53.1900	2.1118	1.8921	2.86	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:13:15	7.0029	65.6160	63.8860	87.04%	0.3277	0.3240	6.6594	7.0802
2	23:13:52	7.0603	63.2760	63.6350	T 94.61%	0.3230	0.3120	6.6269	7.1782
3	23:14:28	7.3523	63.7530	63.5220	T 96.93%	0.3779	0.3477	6.6489	7.1052
4	23:15:05	7.1244	64.6160	63.1600	T 98.72%	0.3648	0.3177	6.5147	6.9979
5	23:15:42	7.0718	64.6860	63.4570	T 99.70%	0.3504	0.3423	6.5072	7.2133
x		7.1223	64.3890	63.5320	T 95.40%	0.3488	0.3288	6.5914	7.1149
%RSD		1.9037	1.4081	0.4162	T 5.30	6.7474	4.7339	1.1293	1.1899

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	23:13:15	6.8413	84.25%	0.0000
2	23:13:52	6.9468	87.92%	0.0000
3	23:14:28	6.9023	90.55%	0.0000
4	23:15:05	6.8277	92.44%	0.0000
5	23:15:42	6.8688	92.34%	0.0000
x		6.8774	89.50%	0.0000
%RSD		0.7005	3.87	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	23:18:38	92.76%	252.8400	1007.1000	998.4400	1009.8000	246.6300	1103.7000	90.23%
2	23:19:14	93.24%	252.2100	1008.1000	1023.9000	1032.4000	244.3500	1135.2000	91.13%
3	23:19:51	92.44%	251.4100	1021.9000	1031.7000	1025.4000	241.2800	1135.4000	91.59%
4	23:20:27	91.25%	254.9000	1035.8000	1055.3000	1034.8000	242.5100	1132.8000	90.67%
5	23:21:04	90.50%	253.2900	1031.1000	1066.5000	1045.3000	244.0500	1119.0000	89.90%
x		92.04%	252.9300	1020.8000	1035.2000	1029.5000	243.7600	1125.2000	90.70%
%RSD		1.23	0.5167	1.2782	2.5907	1.2788	0.8307	1.2278	0.75

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	23:18:38	0.1103	243.5500	242.7100	ID 41.5260	242.3800	1024.2000	1005.5000	244.2200
2	23:19:14	0.0697	241.9900	240.8400	ID 41.6040	243.6300	1022.9000	999.4300	242.5700
3	23:19:51	0.0686	241.2100	239.8300	ID 41.7740	242.9700	1025.4000	996.1900	242.5600
4	23:20:27	0.0257	241.8900	242.0400	ID 42.4050	243.4400	1032.5000	1009.5000	244.0500
5	23:21:04	-0.0027	241.5100	240.1900	ID 42.1330	242.6500	1018.2000	976.6600	243.7600
x		0.0543	242.0300	241.1200	ID 41.8880	243.0100	1024.7000	997.4600	243.4300
%RSD		80.4680	0.3747	0.5075	ID 0.8864	0.2153	0.5036	1.2764	0.3315

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	23:18:38	244.6400	244.2200	246.9300	258.1800	251.8200	257.4400	256.8500	-1.2918
2	23:19:14	244.3400	241.1400	243.9600	256.0500	250.0200	257.6400	252.8300	-0.6348
3	23:19:51	245.6600	243.6300	245.0700	255.6700	248.6100	255.9800	258.0600	-0.2505
4	23:20:27	244.7400	243.1300	245.0500	256.8500	249.9300	252.7400	253.2800	-0.5379
5	23:21:04	244.7500	241.7700	245.6800	258.5400	248.3100	254.4900	252.1800	-0.6652
x		244.8200	242.7800	245.3400	257.0600	249.7400	255.6600	254.6400	-0.6760
%RSD		0.2020	0.5298	0.4421	0.4928	0.5585	0.8090	1.0354	56.3890

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	23:18:38	89.05%	242.7600	-0.4911	243.1400	248.6100	247.5700	88.99%	0.0000
2	23:19:14	90.67%	240.8500	-2.1264	241.8700	247.6900	246.0200	91.66%	0.0000
3	23:19:51	91.32%	241.9800	-0.5805	241.3500	246.8200	246.2100	92.54%	0.0000
4	23:20:27	91.34%	241.6400	-0.0011	242.4200	246.9900	245.4600	93.01%	0.0000
5	23:21:04	91.78%	242.4700	0.1769	242.3900	248.0300	246.6100	92.60%	0.0000
x		90.83%	241.9400	-0.6044	242.2300	247.6300	246.3700	91.76%	0.0000
%RSD		1.18	0.3086	150.3600	0.2761	0.2993	0.3200	1.77	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:18:38	241.4100	249.9100	248.8800	86.19%	243.3200	240.4600	245.7600	244.5200
2	23:19:14	244.7000	249.3700	246.6600	89.22%	243.8000	237.9600	242.0000	242.1900
3	23:19:51	246.2600	251.0000	247.1000	91.07%	243.4800	239.0400	244.2200	244.0200
4	23:20:27	245.8600	244.3500	242.3300	T 94.59%	240.9000	236.7400	242.3500	242.4200
5	23:21:04	246.9500	244.6800	243.6400	T 95.23%	241.9200	238.1200	242.7500	243.8100
x		245.0400	247.8600	245.7200	T 91.26%	242.6800	238.4700	243.4200	243.3900
%RSD		0.8927	1.2561	1.0884	T 4.13	0.5063	0.5806	0.6404	0.4222

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	23:18:38	241.6700	89.20%	0.0000
2	23:19:14	240.9400	93.40%	0.0000
3	23:19:51	241.8300	95.01%	0.5963
4	23:20:27	240.4400	96.44%	0.0000
5	23:21:04	240.9500	96.69%	0.0000
x		241.1700	94.15%	0.1193
%RSD		0.2376	3.25	223.6100

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:24:00	89.59%	0.0198	-0.5015	-0.3555	-0.9346	-0.1641	-1.0122	86.91%
2	23:24:37	90.64%	0.0272	-0.1930	0.0024	-0.2952	-0.2087	1.8515	89.20%
3	23:25:13	92.29%	0.0466	1.3120	1.7637	1.4627	-0.1600	3.2791	91.14%
4	23:25:50	92.77%	0.0555	1.1285	0.8952	0.7439	-0.1804	3.5496	93.04%
5	23:26:27	94.45%	0.0465	1.8839	2.0351	1.5506	-0.1597	2.1756	94.33%
x		91.95%	0.0391	0.7260	0.8682	0.5055	-0.1746	1.9687	90.92%
%RSD		2.06	38.2170	141.1000	120.9600	216.2600	11.9450	92.1270	3.26

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:24:00	0.1466	0.0587	0.0760	ID -0.2100	-0.0042	0.0548	3.3579	0.0100
2	23:24:37	0.0645	0.0562	0.0490	ID -0.3589	0.0074	-2.2092	-0.9920	0.0211
3	23:25:13	0.0052	0.0946	0.0307	ID -0.3150	0.0457	-3.5533	-3.2575	0.0491
4	23:25:50	0.0144	0.0573	0.0531	ID -0.2529	0.0256	-2.2127	-2.9089	0.0404
5	23:26:27	0.0257	0.1346	0.0997	ID -0.1384	0.0404	-3.6480	-2.5774	0.0658
x		0.0513	0.0803	0.0617	ID -0.2550	0.0229	-2.3137	-1.2756	0.0373
%RSD		112.8800	42.8190	43.2320	ID 33.9830	92.6020	64.6450	214.1300	59.5090

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	23:24:00	-0.0090	0.0543	0.0896	-0.0132	0.0600	0.8797	0.0787	0.0292
2	23:24:37	0.0286	0.0940	0.0624	0.0363	0.1054	0.5406	0.2313	-0.9279
3	23:25:13	0.0674	0.1024	0.0955	0.1317	0.0825	0.3049	-0.0473	-0.2416
4	23:25:50	0.0574	0.0927	0.0790	0.2011	0.0944	0.6461	0.0078	-0.4932
5	23:26:27	0.0693	0.0962	0.1015	0.2704	0.0139	0.5713	-0.1386	-0.1217
x		0.0427	0.0879	0.0856	0.1252	0.0712	0.5885	0.0264	-0.3511
%RSD		77.6930	21.7760	18.0040	92.7330	50.7830	35.1490	528.1200	106.7900

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	23:24:00	86.48%	0.0199	-1.8023	0.0173	0.0206	0.0176	85.76%	0.0000
2	23:24:37	89.04%	0.0252	-1.2342	0.0264	0.0198	0.0210	88.94%	0.0000
3	23:25:13	91.16%	0.0392	-0.0662	0.0275	0.0510	0.0535	91.55%	0.0000
4	23:25:50	93.05%	0.0337	-0.5920	0.0254	0.0632	0.0481	93.96%	0.0000
5	23:26:27	93.64%	0.0326	-1.1393	0.0365	0.0570	0.0732	94.73%	0.0000
x		90.67%	0.0301	-0.9668	0.0266	0.0423	0.0427	90.99%	0.0000
%RSD		3.26	25.1500	68.4310	25.6080	48.7820	54.6270	4.06	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	23:24:00	0.5326	0.0121	0.0094	82.56%	0.0138	0.0169	0.0269	0.0297
2	23:24:37	0.6650	0.0368	0.0124	86.21%	0.0260	0.0211	0.0377	0.0392
3	23:25:13	0.6031	0.0770	0.0252	T 92.74%	0.0558	0.0563	0.0642	0.0688
4	23:25:50	0.5161	0.0929	0.0580	T 94.50%	0.0443	0.0487	0.0598	0.0652
5	23:26:27	0.4201	0.0507	0.0605	T 96.03%	0.0673	0.0563	0.0745	0.0883
x		0.5474	0.0539	0.0331	T 90.41%	0.0414	0.0399	0.0526	0.0583
%RSD		16.9280	59.4560	74.4650	T 6.38	52.3490	48.5570	37.4210	40.5820

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	23:24:00	0.0352	86.11%	0.0000
2	23:24:37	0.0397	90.40%	0.0000
3	23:25:13	0.0643	92.78%	0.0000
4	23:25:50	0.0583	94.88%	0.0000
5	23:26:27	0.0798	96.33%	0.0000
x		0.0555	92.10%	0.0000
%RSD		33.0180	4.37	0.0000

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:29:24	88.38%	0.0040	TM 53238.0000	TM 54284.0000	TM 53949.0000	6.0797	TM 217920.0000	87.78%
2	23:30:01	89.40%	0.0294	TM 55092.0000	TM 55821.0000	TM 55251.0000	6.0263	TM 219760.0000	90.12%
3	23:30:37	90.65%	0.0097	TM 55906.0000	TM 56525.0000	TM 56341.0000	6.2178	TM 222300.0000	92.37%
4	23:31:14	91.85%	0.0483	TM 56177.0000	TM 56935.0000	TM 56604.0000	6.2508	TM 224860.0000	93.12%
5	23:31:51	91.62%	0.0422	TM 57032.0000	TM 57834.0000	TM 57639.0000	6.0287	TM 224630.0000	94.28%
x		90.38%	0.0267	TM 55489.0000	TM 56280.0000	TM 55957.0000	6.1207	TM 221890.0000	91.53%
%RSD		1.64	72.9980	TM 2.5887	TM 2.3672	TM 2.5154	1.7407	TM 1.3665	2.83

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	23:29:24	0.4241	0.5702	0.5105	ID 0.5190	292.3900	44.8790	2473.9000	4.2355
2	23:30:01	0.3505	0.2163	0.4840	ID 0.6894	293.7200	40.2910	2235.8000	4.2627
3	23:30:37	0.2855	0.1155	0.4813	ID 0.6869	291.5900	38.5700	2022.1000	4.2176
4	23:31:14	0.2818	-0.0099	0.4905	ID 0.7487	295.1600	39.5260	1925.8000	4.1193
5	23:31:51	0.3116	0.0624	0.4812	ID 0.6799	295.2200	38.9470	1933.7000	4.1791
x		0.3307	0.1909	0.4895	ID 0.6648	293.6200	40.4430	2118.3000	4.2028
%RSD		17.8270	119.1800	2.5199	ID 12.9460	0.5528	6.3394	11.0880	1.3249

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	23:29:24	12.2140	6.4448	6.6402	2872.9000	2.0466	0.9904	0.7422	1.3838
2	23:30:01	11.9810	6.3999	6.4594	2876.5000	2.2729	0.5226	0.6717	1.1050
3	23:30:37	11.4760	6.5298	6.6101	2868.0000	2.3790	0.6081	0.6247	1.4162
4	23:31:14	11.2160	6.3872	6.5443	2873.3000	2.0412	0.4293	0.5869	2.2977
5	23:31:51	11.7560	6.3934	6.5597	2870.8000	2.0927	0.6240	0.2067	2.2078
x		11.7290	6.4310	6.5627	2872.3000	2.1665	0.6349	0.5664	1.6821
%RSD		3.3763	0.9282	1.0574	0.1105	7.0002	33.6080	36.9440	31.8500

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	23:29:24	84.15%	0.0399	-0.9090	0.0470	19.6360	19.2090	81.41%	0.0000
2	23:30:01	87.79%	0.0316	0.7144	0.0376	19.4200	19.1840	85.32%	0.0000
3	23:30:37	90.59%	0.0350	-0.0891	0.0406	18.8140	18.8790	88.33%	0.0000
4	23:31:14	92.37%	0.0550	0.4362	0.0498	19.4820	19.1470	90.34%	0.0000
5	23:31:51	93.70%	0.0473	0.3768	0.0501	19.0960	18.9830	91.74%	0.0000
x		89.72%	0.0417	0.1059	0.0450	19.2900	19.0800	87.43%	0.0000
%RSD		4.26	22.6520	601.4000	12.4730	1.7156	0.7495	4.73	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	23:29:24	5.7253	113.9500	112.2300	83.33%	0.9323	0.8596	0.6625	0.7776
2	23:30:01	6.0513	114.2500	112.8100	88.22%	0.9180	0.8799	0.6631	0.7567
3	23:30:37	6.1470	111.2300	110.3600	T 94.88%	0.8816	0.8817	0.7231	0.7009
4	23:31:14	6.0598	111.5600	110.7300	T 97.83%	0.9445	0.9063	0.7411	0.7647
5	23:31:51	5.9611	112.2400	110.1100	T 100.09%	0.9348	0.8785	0.6770	0.8074
x		5.9889	112.6500	111.2400	T 92.87%	0.9222	0.8812	0.6934	0.7615
%RSD		2.6943	1.2234	1.0794	T 7.49	2.6684	1.8893	5.2503	5.1156

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	23:29:24	0.7006	77.26%	0.0000
2	23:30:01	0.7093	81.96%	0.0000
3	23:30:37	0.7276	85.47%	0.0000
4	23:31:14	0.7529	88.01%	0.0000
5	23:31:51	0.7347	89.46%	0.0000
x		0.7250	84.43%	0.0000
%RSD		2.8613	5.82	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	23:34:48	95.32%	-0.0038	TM 33330.0000	TM 33647.0000	TM 33579.0000	8.8613	TM 146510.0000	91.98%
2	23:35:25	94.19%	0.0025	TM 33979.0000	TM 34318.0000	TM 34346.0000	8.6671	TM 147640.0000	93.36%
3	23:36:01	96.38%	0.0124	TM 33811.0000	TM 34176.0000	TM 34211.0000	8.6647	TM 148140.0000	94.64%
4	23:36:38	95.38%	0.0112	TM 34056.0000	TM 34444.0000	TM 34427.0000	8.6737	TM 148560.0000	95.05%
5	23:37:15	95.91%	0.0141	TM 34032.0000	TM 34536.0000	TM 34427.0000	8.8968	TM 149210.0000	94.56%
x		95.44%	0.0073	TM 33842.0000	TM 34224.0000	TM 34198.0000	8.7527	TM 148010.0000	93.92%
%RSD		0.86	104.7900	TM 0.8909	TM 1.0230	TM 1.0447	1.3258	TM 0.6895	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	23:34:48	0.2275	0.2963	0.5977	ID 0.4461	T 740.9100	35.8830	1492.3000	4.2903
2	23:35:25	0.1835	0.3571	0.4779	ID 0.6519	T 742.1400	35.0600	1295.7000	4.1285
3	23:36:01	0.1870	0.7002	0.5351	ID 0.4692	T 742.7200	31.5990	1312.5000	4.0788
4	23:36:38	0.1680	0.1540	0.5371	ID 0.6254	T 742.1600	32.2640	1268.2000	4.1701
5	23:37:15	0.1913	0.6140	0.5447	ID 0.4724	T 746.1200	32.8780	1222.1000	4.2576
x		0.1915	0.4244	0.5385	ID 0.5330	T 742.8100	33.5370	1318.2000	4.1851
%RSD		11.4760	53.4890	7.8950	ID 18.2770	T 0.2643	5.5045	7.8258	2.1053

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	23:34:48	8.2602	3.0517	3.3948	3824.6000	2.7715	2.0030	0.6370	3.5175
2	23:35:25	8.0221	3.1318	3.1896	T 3685.5000	2.6842	1.7432	1.4015	1.5138
3	23:36:01	7.9310	3.0178	3.3612	3813.8000	2.6091	1.3016	0.8926	2.5627
4	23:36:38	7.9455	3.0999	3.2620	T 3685.5000	2.4747	1.6302	1.2152	0.9454
5	23:37:15	8.1054	3.0663	3.1076	T 3690.5000	2.5589	1.1601	1.3136	1.0277
x		8.0528	3.0735	3.2631	T 3740.0000	2.6197	1.5676	1.0920	1.9134
%RSD		1.6783	1.4293	3.6442	T 1.9367	4.3543	21.6600	29.2070	57.7010

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	23:34:48	90.82%	0.0131	-0.2625	0.0124	13.3980	13.2090	90.02%	0.0000
2	23:35:25	92.98%	0.0162	0.4541	0.0250	13.7020	13.3580	92.65%	0.0000
3	23:36:01	94.34%	0.0182	0.3774	0.0203	13.2770	13.4880	93.70%	0.0000
4	23:36:38	95.02%	0.0223	1.4360	0.0218	13.4190	13.4470	93.73%	0.0000
5	23:37:15	94.55%	0.0212	0.8999	0.0155	13.5440	13.3090	93.89%	0.0000
x		93.54%	0.0182	0.5810	0.0190	13.4680	13.3620	92.80%	0.0000
%RSD		1.82	20.5630	108.9200	26.5000	1.2007	0.8305	1.75	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:34:48	6.4501	60.0820	58.4140	T 94.56%	0.6779	0.6268	3.1697	3.3953
2	23:35:25	6.7409	60.0190	59.7330	T 97.89%	0.6982	0.6399	3.1254	3.2653
3	23:36:01	6.8101	60.8770	59.6750	T 98.81%	0.6794	0.6434	3.0537	3.3372
4	23:36:38	6.8111	60.6410	59.3070	T 99.43%	0.6655	0.6546	3.1346	3.5251
5	23:37:15	6.8546	59.5900	60.3110	T 99.70%	0.6645	0.6679	3.1966	3.2840
x		6.7334	60.2420	59.4880	T 98.08%	0.6771	0.6465	3.1360	3.3614
%RSD		2.4279	0.8554	1.1762	T 2.13	2.0168	2.4020	1.7242	3.1121

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	23:34:48	3.2740	87.38%	0.0000
2	23:35:25	3.2452	91.14%	0.0000
3	23:36:01	3.2158	92.47%	0.0000
4	23:36:38	3.3091	92.32%	0.0000
5	23:37:15	3.2530	92.37%	0.6133
x		3.2594	91.14%	0.1227
%RSD		1.0649	2.38	223.6100

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:40:12	93.76%	-0.0050	TM 27314.0000	TM 27687.0000	TM 27519.0000	2.3918	TM 124180.0000	90.07%
2	23:40:49	93.57%	0.0073	TM 27774.0000	TM 28045.0000	TM 27925.0000	2.4261	TM 124450.0000	91.46%
3	23:41:26	94.33%	0.0086	TM 27930.0000	TM 28436.0000	TM 28125.0000	2.4135	TM 124980.0000	92.70%
4	23:42:02	94.60%	0.0191	TM 28132.0000	TM 28727.0000	TM 28683.0000	2.5731	TM 126210.0000	92.99%
5	23:42:39	94.76%	0.0069	TM 28258.0000	TM 28922.0000	TM 28734.0000	2.3627	TM 126570.0000	93.49%
x		94.20%	0.0074	TM 27881.0000	TM 28363.0000	TM 28197.0000	2.4334	TM 125280.0000	92.14%
%RSD		0.55	116.2100	TM 1.3184	TM 1.7700	TM 1.8290	3.3573	TM 0.8477	1.50

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	23:40:12	0.2275	0.2769	0.7470	ID 0.4924	221.5100	36.0650	1428.0000	1.2536
2	23:40:49	0.2494	0.5013	0.6231	ID 0.4724	221.0000	29.7610	1285.4000	1.2036
3	23:41:26	0.1641	0.5671	0.6129	ID 0.4615	222.7700	30.4280	1243.0000	1.2065
4	23:42:02	0.1726	0.1968	0.6523	ID 0.3824	222.5400	30.5000	1192.3000	1.1856
5	23:42:39	0.1079	0.5026	0.6289	ID 0.4018	222.9100	30.7060	1122.2000	1.1511
x		0.1843	0.4089	0.6528	ID 0.4421	222.1500	31.4920	1254.2000	1.2001
%RSD		30.3190	39.5750	8.3601	ID 10.7440	0.3799	8.1947	9.1401	3.0981

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	23:40:12	4.8093	2.0737	2.1998	722.5000	2.9617	1.5961	1.9903	-0.3757
2	23:40:49	4.6495	2.1255	2.3397	721.2900	2.6832	1.8868	0.8001	2.0313
3	23:41:26	4.4784	2.0977	2.1021	720.2800	2.6942	1.7064	1.4221	1.0693
4	23:42:02	4.3184	2.2451	2.0497	717.6800	2.9564	1.1524	1.5929	0.3011
5	23:42:39	4.4500	2.1365	2.1942	719.6200	2.5837	1.4050	1.6181	0.0282
x		4.5411	2.1357	2.1771	720.2700	2.7758	1.5493	1.4847	0.6108
%RSD		4.1999	3.0851	5.0894	0.2517	6.2210	18.2320	29.3160	156.1000

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:40:12	86.92%	0.0146	-0.6005	0.0132	2.1161	2.0756	85.04%	0.0000
2	23:40:49	89.27%	0.0357	-0.7736	0.0325	2.1641	2.0651	88.12%	0.0000
3	23:41:26	90.44%	0.0609	0.4314	0.0647	2.1254	2.0117	89.88%	0.0000
4	23:42:02	91.87%	0.0822	0.2037	0.0813	2.0507	2.0979	90.76%	0.0000
5	23:42:39	92.83%	0.0437	0.5220	0.0496	2.0738	2.0421	91.42%	0.0000
x		90.26%	0.0474	-0.0434	0.0483	2.1060	2.0585	89.04%	0.0000
%RSD		2.56	54.0380	1387.9000	55.2740	2.1168	1.6016	2.87	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	23:40:12	6.4489	61.4090	59.9040	T 88.62%	0.1430	0.1442	4.0113	4.2634
2	23:40:49	6.4743	59.3310	59.8300	T 91.72%	0.1576	0.1588	3.9889	4.2803
3	23:41:26	6.4771	61.3420	61.3990	90.50%	0.1718	0.1684	4.0863	4.4945
4	23:42:02	6.2500	59.8380	59.0800	T 95.36%	0.1619	0.1691	4.0201	4.3423
5	23:42:39	6.4305	60.1680	60.2300	T 96.63%	0.1703	0.1632	3.9699	4.3999
x		6.4162	60.4180	60.0890	T 92.56%	0.1609	0.1607	4.0153	4.3561
%RSD		1.4785	1.5296	1.4060	T 3.62	7.2028	6.3230	1.1022	2.1658

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	23:40:12	4.1923	81.96%	0.0000
2	23:40:49	4.1946	84.99%	0.0000
3	23:41:26	4.2035	86.91%	0.0000
4	23:42:02	4.1931	88.46%	0.0000
5	23:42:39	4.1634	89.59%	0.0000
x		4.1894	86.38%	0.0000
%RSD		0.3627	3.49	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	23:45:37	92.06%	0.0046	TM 37204.0000	TM 37828.0000	TM 37721.0000	1.6962	TM 168850.0000	89.79%
2	23:46:13	93.48%	-0.0096	TM 37799.0000	TM 38455.0000	TM 38458.0000	1.7226	TM 168900.0000	92.90%
3	23:46:50	93.41%	0.0011	TM 38363.0000	TM 39222.0000	TM 39053.0000	1.7690	TM 172110.0000	93.48%
4	23:47:27	95.17%	0.0068	TM 38695.0000	TM 39713.0000	TM 39429.0000	1.6013	TM 171850.0000	95.06%
5	23:48:03	93.58%	-0.0081	TM 39171.0000	TM 39918.0000	TM 40026.0000	1.6290	TM 172540.0000	96.02%
x		93.54%	-0.0011	TM 38246.0000	TM 39027.0000	TM 38937.0000	1.6836	TM 170850.0000	93.45%
%RSD		1.18	707.4400	TM 2.0075	TM 2.2439	TM 2.2789	4.0643	TM 1.0660	2.56

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	23:45:37	0.2487	0.5819	1.0079	ID 0.4464	207.0600	40.2680	1989.2000	1.5357
2	23:46:13	0.2504	0.4788	0.8616	ID 0.3235	204.8600	38.7650	1908.1000	1.4967
3	23:46:50	0.2174	0.4743	0.9447	ID 0.4278	206.0600	36.1060	1685.8000	1.4604
4	23:47:27	0.1938	0.6878	0.9093	ID 0.4308	206.9300	34.0430	1596.2000	1.4629
5	23:48:03	0.1862	0.8932	0.8850	ID 0.5035	204.8700	33.0650	1592.6000	1.4578
x		0.2193	0.6232	0.9217	ID 0.4264	205.9600	36.4490	1754.4000	1.4827
%RSD		13.6420	27.9990	6.1996	ID 15.2680	0.5180	8.3795	10.4580	2.2649

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	23:45:37	5.6531	2.9366	2.8573	765.1200	2.6553	1.4970	1.1837	0.7535
2	23:46:13	5.3116	2.9681	2.8033	759.1500	2.6713	1.8821	0.9776	0.7636
3	23:46:50	5.3960	2.9579	3.0289	759.2300	2.8557	1.2443	0.6702	1.0464
4	23:47:27	5.1385	3.0940	2.9519	763.3800	2.6737	1.3074	0.6870	1.3673
5	23:48:03	4.9970	3.0453	2.7472	759.1300	2.7374	1.0843	0.9471	0.4684
x		5.2992	3.0004	2.8777	761.2000	2.7187	1.4030	0.8931	0.8798
%RSD		4.7359	2.2169	3.9372	0.3745	3.0458	21.8000	24.1900	38.7160

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	23:45:37	86.35%	0.0121	-0.9317	0.0088	3.2157	3.0899	82.82%	0.0000
2	23:46:13	89.41%	0.0126	-0.2418	0.0093	3.1087	3.1482	86.88%	0.0000
3	23:46:50	91.96%	0.0240	-0.0174	0.0289	3.1392	3.0518	89.29%	0.0000
4	23:47:27	93.33%	0.0232	0.2741	0.0237	3.1121	3.0375	91.35%	0.0000
5	23:48:03	95.54%	0.0199	-0.2611	0.0228	3.2010	3.1289	92.63%	0.0000
x		91.32%	0.0184	-0.2356	0.0187	3.1553	3.0912	88.60%	0.0000
%RSD		3.89	30.8420	188.9600	48.8970	1.5869	1.5438	4.40	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	23:45:37	4.8637	97.3100	96.2950	T 87.11%	0.1684	0.1641	0.7368	0.7415
2	23:46:13	5.1467	97.2480	97.3180	T 91.06%	0.1626	0.1587	0.6033	0.6636
3	23:46:50	4.8675	96.3400	95.8750	T 94.23%	0.1792	0.1693	0.6946	0.7278
4	23:47:27	4.8237	98.5930	96.9570	T 96.57%	0.1654	0.1585	0.7062	0.7640
5	23:48:03	4.9873	96.4620	96.4040	T 98.78%	0.1655	0.1670	0.6797	0.7646
x		4.9378	97.1910	96.5700	T 93.55%	0.1682	0.1635	0.6841	0.7323
%RSD		2.6705	0.9256	0.5894	T 4.92	3.8439	2.9628	7.2810	5.6619

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	23:45:37	0.7033	76.40%	0.0000
2	23:46:13	0.6537	80.84%	0.0000
3	23:46:50	0.7111	84.43%	0.0000
4	23:47:27	0.7309	86.51%	0.0000
5	23:48:03	0.7224	88.36%	0.0000
x		0.7043	83.31%	0.0000
%RSD		4.2806	5.72	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	23:51:02	93.84%	-0.0097	TM 27284.0000	TM 27955.0000	TM 27666.0000	2.0624	TM 122840.0000	92.80%
2	23:51:39	94.16%	-0.0021	TM 27626.0000	TM 28182.0000	TM 28147.0000	2.0532	TM 122690.0000	94.40%
3	23:52:15	95.48%	-0.0084	TM 27871.0000	TM 28426.0000	TM 28254.0000	2.0932	TM 124000.0000	95.01%
4	23:52:52	95.97%	-0.0039	TM 27951.0000	TM 28581.0000	TM 28355.0000	2.0324	TM 124610.0000	95.27%
5	23:53:29	96.42%	-0.0070	TM 27762.0000	TM 28138.0000	TM 28104.0000	2.0639	TM 122810.0000	96.31%
x		95.17%	-0.0062	TM 27699.0000	TM 28256.0000	TM 28105.0000	2.0610	TM 123390.0000	94.76%
%RSD		1.18	50.5270	TM 0.9451	TM 0.8755	TM 0.9408	1.0637	TM 0.6999	1.37

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:51:02	0.2159	0.0461	0.5194	ID 0.4293	195.7400	31.7410	1237.3000	0.7951
2	23:51:39	0.2015	0.5165	0.5547	ID 0.4220	196.0900	30.1040	1167.7000	0.7965
3	23:52:15	0.1829	0.3042	0.5077	ID 0.5083	196.5000	29.7850	1130.9000	0.7853
4	23:52:52	0.1485	0.3582	0.4355	ID 0.4789	196.0000	27.4680	1014.3000	0.7708
5	23:53:29	0.1282	0.4081	0.4583	ID 0.5749	195.6700	25.7330	1079.4000	0.7809
x		0.1754	0.3266	0.4951	ID 0.4827	196.0000	28.9660	1125.9000	0.7857
%RSD		20.8260	53.6640	9.6947	ID 12.9820	0.1675	8.1629	7.5378	1.3477

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:51:02	4.3373	2.0866	2.1711	659.4900	2.8113	2.0063	1.6251	0.3157
2	23:51:39	4.0815	2.0565	2.0563	658.7700	3.0166	1.7228	1.7350	-0.1844
3	23:52:15	4.0696	2.0072	2.0847	659.3700	2.6717	1.1136	1.2666	0.7721
4	23:52:52	4.1531	2.0364	2.0902	664.4300	2.8339	1.5773	1.2853	0.6312
5	23:53:29	3.9458	1.9647	1.9964	657.9100	3.0206	1.3871	1.5204	0.5226
x		4.1175	2.0303	2.0797	659.9900	2.8708	1.5614	1.4865	0.4114
%RSD		3.4911	2.3003	3.0375	0.3874	5.1736	21.6040	13.9070	90.5320

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	23:51:02	91.55%	0.0118	-0.2025	0.0124	2.0876	2.0954	89.92%	0.0000
2	23:51:39	93.78%	0.0183	0.1861	0.0208	2.2475	2.1340	93.25%	0.0000
3	23:52:15	95.14%	0.0206	0.7341	0.0200	2.1420	2.0398	94.44%	0.0000
4	23:52:52	95.76%	0.0114	0.5169	0.0180	2.1183	2.0488	94.38%	0.0000
5	23:53:29	95.53%	0.0212	0.7339	0.0180	2.0446	2.1243	94.84%	0.0000
x		94.35%	0.0167	0.3937	0.0178	2.1280	2.0885	93.37%	0.0000
%RSD		1.85	28.4630	102.0300	18.4520	3.5763	2.0521	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	23:51:02	6.3847	57.6070	57.2780	T 94.27%	0.1553	0.1432	3.8698	4.0738
2	23:51:39	6.3731	58.2060	57.9610	94.55%	0.1574	0.1474	3.8810	4.2278
3	23:52:15	6.2558	57.7930	56.3030	T 100.22%	0.1365	0.1413	3.8061	4.1935
4	23:52:52	6.2899	58.4110	57.5530	T 99.93%	0.1460	0.1424	3.8492	4.1957
5	23:53:29	6.2865	58.4210	57.3450	T 99.88%	0.1579	0.1458	3.7848	4.1466
x		6.3180	58.0880	57.2880	T 97.77%	0.1506	0.1440	3.8382	4.1675
%RSD		0.9072	0.6374	1.0676	T 3.14	6.1310	1.7566	1.0770	1.4352

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	23:51:02	3.9689	87.09%	0.0000
2	23:51:39	4.0498	91.37%	0.0000
3	23:52:15	4.0234	92.78%	0.0000
4	23:52:52	4.0267	93.32%	0.0000
5	23:53:29	4.0150	93.29%	0.0000
x		4.0167	91.57%	0.0000
%RSD		0.7398	2.87	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	23:56:27	91.73%	-0.0016	TM 53166.0000	TM 53623.0000	TM 53912.0000	3.9385	TM 251290.0000	88.44%
2	23:57:04	91.53%	-0.0015	TM 54222.0000	TM 55286.0000	TM 55345.0000	4.0268	TM 254100.0000	89.14%
3	23:57:41	91.29%	0.0032	TM 55170.0000	TM 55869.0000	TM 55628.0000	3.9181	TM 254900.0000	90.39%
4	23:58:17	91.08%	-0.0030	TM 55687.0000	TM 56792.0000	TM 56567.0000	4.1241	TM 255940.0000	90.71%
5	23:58:55	91.54%	-0.0078	TM 56142.0000	TM 56530.0000	TM 56179.0000	4.0667	TM 258320.0000	90.91%
x		91.44%	-0.0021	TM 54878.0000	TM 55620.0000	TM 55526.0000	4.0148	TM 254910.0000	89.92%
%RSD		0.27	184.2800	TM 2.1751	TM 2.2680	TM 1.8362	2.1546	TM 1.0094	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	23:56:27	0.3646	0.5309	0.4892	ID 4.0758	T 1836.1000	146.4100	2884.0000	1.3736
2	23:57:04	0.3674	0.6019	0.4484	ID 4.4608	T 1839.8000	144.7700	2653.9000	1.3341
3	23:57:41	0.3108	0.5467	0.3878	ID 4.4246	T 1835.2000	145.6100	2539.5000	1.4259
4	23:58:17	0.2456	0.5819	0.3972	ID 4.3054	T 1842.0000	137.9400	2403.1000	1.3410
5	23:58:55	0.2587	0.4243	0.4363	ID 4.3898	T 1857.0000	140.5700	2311.5000	1.3356
x		0.3094	0.5372	0.4318	ID 4.3313	T 1842.0000	143.0600	2558.4000	1.3621
%RSD		18.4530	12.8560	9.4981	ID 3.5554	T 0.4769	2.5461	8.7524	2.8757

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	23:56:27	7.8590	1.3646	2.1905	64.2120	3.7793	0.9094	1.0371	-0.6217
2	23:57:04	7.6829	1.2501	2.0310	65.1040	3.6839	0.7765	1.0461	-0.5077
3	23:57:41	7.3150	1.3213	1.8928	62.9650	3.5826	0.5330	0.4152	0.3558
4	23:58:17	7.5408	1.3079	2.0289	63.5450	3.8349	0.8236	1.1681	0.1469
5	23:58:55	7.2286	1.3603	2.0735	63.9840	3.8492	0.2758	0.5072	0.4141
x		7.5253	1.3208	2.0434	63.9620	3.7460	0.6637	0.8348	-0.0425
%RSD		3.4441	3.5201	5.2240	1.2445	2.9910	38.8730	41.5010	1149.5000

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	23:56:27	85.48%	0.0087	0.2919	0.0065	0.0148	0.0133	83.24%	0.0000
2	23:57:04	87.33%	0.0169	0.2209	0.0242	0.0208	0.0149	85.54%	0.0000
3	23:57:41	88.26%	0.0299	-0.2730	0.0198	0.0120	0.0195	87.45%	0.0000
4	23:58:17	88.88%	0.0220	1.1148	0.0138	0.0160	0.0126	87.68%	0.0000
5	23:58:55	89.56%	0.0106	1.0372	0.0135	0.0157	0.0114	88.98%	0.0000
x		87.90%	0.0176	0.4784	0.0156	0.0159	0.0144	86.58%	0.0000
%RSD		1.80	49.2340	122.9200	43.3040	20.0300	21.9770	2.58	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:56:27	3.2699	65.6760	63.3700	83.14%	0.1902	0.1969	1.2450	1.2857
2	23:57:04	3.1058	64.3640	64.6480	86.96%	0.1875	0.1845	1.1617	1.3184
3	23:57:41	3.0910	64.2130	63.0750	88.44%	0.1968	0.1736	1.1347	1.2638
4	23:58:17	3.3408	63.0450	63.1350	T 93.31%	0.2084	0.1799	1.1515	1.2897
5	23:58:55	3.1875	63.1620	62.5510	T 94.18%	0.1841	0.1927	1.2227	1.2896
x		3.1990	64.0920	63.3560	T 89.21%	0.1934	0.1855	1.1831	1.2894
%RSD		3.3377	1.6652	1.2343	T 5.14	4.9609	5.0819	4.0553	1.5058

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	23:56:27	1.2525	79.12%	0.0000
2	23:57:04	1.2476	82.23%	0.0000
3	23:57:41	1.1969	83.78%	0.0000
4	23:58:17	1.2226	85.39%	0.6635
5	23:58:55	1.2615	86.13%	0.0000
x		1.2362	83.33%	0.1327
%RSD		2.1277	3.35	223.6100

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:01:54	94.97%	0.9898	-0.4241	-0.5617	-0.6619	-0.3760	3.3886	91.88%
2	00:02:31	94.93%	1.0209	0.4666	0.4068	0.0003	-0.3495	4.4030	93.20%
3	00:03:07	96.68%	1.0274	1.0439	0.7292	0.5843	-0.3735	2.9189	94.84%
4	00:03:44	95.69%	1.0086	1.4967	2.0712	1.3997	-0.3564	5.0396	96.84%
5	00:04:21	95.99%	0.9964	1.1483	1.4597	0.9533	-0.3614	2.7873	97.29%
x		95.65%	1.0086	0.7463	0.8211	0.4551	-0.3633	3.7075	94.81%
%RSD		0.77	1.5748	100.7500	122.7500	177.5400	3.0994	26.3880	2.44

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:01:54	0.0987	4.6870	2.0546	ID -0.0189	0.9364	14.9390	3.6435	0.9170
2	00:02:31	0.0566	4.7255	2.0458	ID 0.0158	0.9091	13.7200	-0.5882	0.9187
3	00:03:07	0.0381	4.5767	1.9785	ID -0.0538	0.9470	11.4980	-2.6446	0.9867
4	00:03:44	0.0092	4.7851	1.8832	ID -0.0324	0.9590	9.8547	-7.3267	0.9296
5	00:04:21	0.0111	4.8002	1.8320	ID 0.0187	0.9725	10.0260	-2.6455	0.8980
x		0.0428	4.7149	1.9588	ID -0.0141	0.9448	12.0070	-1.9123	0.9300
%RSD		86.5060	1.9033	5.0353	ID 221.1700	2.5498	18.7830	207.5500	3.6224

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	00:01:54	0.9906	1.9272	2.0254	1.9139	1.0210	5.7465	5.1681	-0.7784
2	00:02:31	0.9357	1.8953	1.9902	2.0260	0.9666	6.1282	5.1411	0.2754
3	00:03:07	0.9157	1.9972	1.9477	2.0030	0.8243	6.0407	4.6564	-0.6806
4	00:03:44	0.9291	1.8937	1.9201	1.9743	1.0243	5.7036	4.9948	-0.6166
5	00:04:21	0.9349	1.8861	1.9495	2.1026	1.0300	5.6129	5.7097	-0.6310
x		0.9412	1.9199	1.9666	2.0040	0.9732	5.8464	5.1341	-0.4862
%RSD		3.0555	2.3955	2.0997	3.4583	8.9461	3.8444	7.4177	88.5260

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	00:01:54	89.54%	0.9376	-0.9361	0.9677	0.8908	0.9518	88.11%	0.0000
2	00:02:31	92.45%	0.9443	-0.6233	0.9261	1.0234	1.0133	91.41%	0.0000
3	00:03:07	95.01%	0.9532	-1.0387	0.9457	0.9841	0.9632	93.80%	0.0000
4	00:03:44	96.20%	0.9673	-0.4719	0.9111	0.9656	0.9453	95.58%	0.0000
5	00:04:21	96.58%	0.9602	0.5103	0.9646	0.8842	0.9238	97.38%	0.0000
x		93.96%	0.9525	-0.5119	0.9430	0.9496	0.9595	93.26%	0.0000
%RSD		3.14	1.2535	120.2700	2.5883	6.3670	3.4751	3.89	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:01:54	1.7890	10.0130	10.2980	83.63%	0.9505	0.9062	0.9614	1.0089
2	00:02:31	1.8932	9.5829	9.8168	87.48%	0.8950	0.8651	0.9495	0.9291
3	00:03:07	1.9075	9.9677	9.4735	T 94.15%	0.9636	0.8787	0.9554	0.9765
4	00:03:44	1.8586	9.8307	9.1329	T 96.27%	0.9041	0.9028	0.9770	0.9398
5	00:04:21	1.8332	9.7559	9.7758	T 97.49%	0.8714	0.8857	1.0025	0.9277
x		1.8563	9.8300	9.6993	T 91.80%	0.9169	0.8877	0.9691	0.9564
%RSD		2.5628	1.7543	4.4629	T 6.52	4.2316	1.9248	2.1928	3.6959

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	00:01:54	0.9686	85.76%	0.0000
2	00:02:31	0.9435	89.85%	0.0000
3	00:03:07	0.9456	92.66%	0.0000
4	00:03:44	0.9475	95.17%	0.0000
5	00:04:21	0.9518	96.68%	0.5860
x		0.9514	92.02%	0.1172
%RSD		1.0579	4.73	223.6100

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:07:18	91.25%	253.1700	1014.5000	1024.8000	1035.0000	245.0400	997.1000	90.02%
2	00:07:55	91.10%	252.3900	1032.1000	1042.6000	1048.0000	242.8100	987.8000	90.72%
3	00:08:31	91.09%	252.1000	1040.3000	1063.9000	1053.4000	241.4400	991.6700	91.66%
4	00:09:08	90.23%	253.4400	1044.9000	1075.0000	1053.7000	240.3600	1023.1000	91.71%
5	00:09:45	91.16%	252.8000	1029.9000	1058.3000	1033.0000	240.5500	1003.5000	91.56%
x		90.97%	252.7800	1032.3000	1052.9000	1044.6000	242.0400	1000.6000	91.14%
%RSD		0.46	0.2165	1.1298	1.8585	0.9540	0.7993	1.3873	0.81

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	00:07:18	0.0569	242.6900	243.0500	ID 41.4940	242.0500	1026.0000	1001.6000	244.0900
2	00:07:55	0.0284	240.0900	238.9100	ID 41.5860	241.9100	1019.1000	985.2800	243.1000
3	00:08:31	0.0154	240.5700	241.6000	ID 42.1430	243.7500	1022.8000	993.7600	242.3200
4	00:09:08	0.0472	240.2600	238.6500	ID 42.0680	241.5700	1027.6000	971.3700	240.1700
5	00:09:45	0.0030	238.8500	240.5400	ID 42.6250	243.9200	1023.1000	1003.8000	242.6700
x		0.0302	240.4900	240.5500	ID 41.9830	242.6400	1023.7000	991.1700	242.4700
%RSD		73.4640	0.5786	0.7680	ID 1.0922	0.4568	0.3223	1.3367	0.5974

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	00:07:18	245.5000	241.1700	244.8300	246.9600	248.2600	252.2400	249.9300	1.0826
2	00:07:55	244.2800	241.2800	242.6400	247.0700	247.1500	250.0500	252.3400	0.7178
3	00:08:31	242.0900	239.8000	242.0100	246.0900	245.8800	249.0100	245.6200	0.4484
4	00:09:08	241.9100	240.5000	241.3400	243.8100	243.2500	245.6200	243.9700	0.2352
5	00:09:45	243.8500	240.3800	241.5700	246.5700	246.8400	248.0400	249.2100	-0.5393
x		243.5300	240.6300	242.4800	246.1000	246.2800	248.9900	248.2100	0.3890
%RSD		0.6243	0.2535	0.5794	0.5424	0.7678	0.9833	1.3609	156.2800

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:07:18	89.41%	240.9000	0.6510	241.8000	244.4600	244.6200	90.17%	0.0000
2	00:07:55	91.98%	241.3200	-3.2285	240.5600	245.5200	244.1500	92.97%	0.0000
3	00:08:31	92.69%	240.8300	1.1306	240.6400	246.8900	245.7800	93.80%	0.0000
4	00:09:08	93.67%	241.6900	-0.0690	240.2300	245.5200	244.6500	94.59%	0.0000
5	00:09:45	92.95%	241.3500	-0.3323	240.0000	247.0000	244.8900	94.63%	0.0000
x		92.14%	241.2200	-0.3696	240.6500	245.8800	244.8200	93.23%	0.0000
%RSD		1.78	0.1464	459.8500	0.2889	0.4340	0.2457	1.97	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:07:18	241.2700	249.1800	247.4300	86.64%	243.3300	238.5600	243.3200	244.0400
2	00:07:55	243.1200	245.7500	244.6400	T 94.14%	241.3300	237.8200	243.3000	244.9700
3	00:08:31	244.9400	246.1400	243.7200	T 95.63%	242.7500	239.0700	245.0300	244.2700
4	00:09:08	246.2800	244.4400	243.3300	T 96.79%	242.6300	239.4100	243.4900	244.7700
5	00:09:45	245.6900	243.3600	243.9300	T 96.52%	242.5000	238.5000	242.5300	243.6700
x		244.2600	245.7700	244.6100	T 93.94%	242.5100	238.6700	243.5300	244.3500
%RSD		0.8397	0.8948	0.6725	T 4.48	0.3008	0.2544	0.3747	0.2178

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	00:07:18	242.1000	90.17%	0.6283
2	00:07:55	241.9200	94.53%	0.0000
3	00:08:31	242.2900	96.78%	0.5854
4	00:09:08	242.2600	97.78%	0.0000
5	00:09:45	241.0100	98.40%	0.0000
x		241.9200	95.53%	0.2427
%RSD		0.2184	3.50	137.0700

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:12:41	88.88%	0.0168	-0.5588	-0.4621	-0.8368	0.2652	-2.0415	87.06%
2	00:13:17	90.48%	0.0098	-0.5917	-0.4798	-0.3884	0.2524	-2.1332	89.34%
3	00:13:55	92.17%	0.0233	-0.4988	-0.5479	-0.6428	0.2652	-4.4378	91.19%
4	00:14:31	92.68%	0.0230	-0.2972	-0.5014	-0.4693	0.2050	-3.6432	92.12%
5	00:15:08	92.28%	0.0372	-0.1616	0.1750	-0.5618	0.2511	-4.6216	92.75%
x		91.30%	0.0220	-0.4216	-0.3632	-0.5798	0.2477	-3.3755	90.49%
%RSD		1.74	45.8990	43.8680	83.3090	29.7700	10.0280	36.5120	2.55

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	00:12:41	0.0964	0.0582	0.0241	ID -0.1316	-0.0053	0.0647	4.0399	0.0088
2	00:13:17	0.0613	-0.0064	-0.0159	ID -0.0832	-0.0077	-0.0744	0.8905	0.0035
3	00:13:55	0.0346	0.0106	0.0507	ID -0.0791	-0.0082	-1.1224	0.6427	0.0248
4	00:14:31	0.0300	0.0050	0.0059	ID -0.1000	0.0086	-1.3453	1.8638	0.0292
5	00:15:08	0.0163	0.0550	0.0316	ID -0.1079	-0.0006	-0.5737	-2.6933	0.0119
x		0.0477	0.0245	0.0193	ID -0.1004	-0.0026	-0.6102	0.9487	0.0156
%RSD		66.5200	122.5400	131.7700	ID 21.0410	264.4700	101.9000	256.8600	69.7260

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	00:12:41	0.0137	0.1082	0.1166	0.0914	0.1003	0.3020	0.4002	-0.6075
2	00:13:17	0.0203	0.0851	0.1014	0.1550	0.1121	0.1712	0.3717	-1.3455
3	00:13:55	0.0515	0.0867	0.0487	0.0830	0.0215	0.1144	0.0211	-0.3315
4	00:14:31	0.0399	0.0744	0.0921	0.1781	0.0692	0.3012	0.1710	-0.5499
5	00:15:08	0.0235	0.0904	0.0466	0.0211	0.0558	0.0176	0.0751	0.1720
x		0.0298	0.0890	0.0811	0.1057	0.0718	0.1813	0.2078	-0.5325
%RSD		52.0590	13.7950	39.1900	58.9960	50.4100	67.7340	82.5300	103.0100

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	00:12:41	85.30%	0.0155	-2.0294	0.0140	0.0058	0.0112	85.51%	0.0000
2	00:13:17	88.96%	0.0201	-1.9831	0.0194	0.0200	0.0065	88.62%	0.0000
3	00:13:55	90.40%	0.0194	-1.7062	0.0242	0.0114	0.0155	90.56%	0.0000
4	00:14:31	91.46%	0.0141	-1.0595	0.0212	0.0408	0.0224	92.23%	0.0000
5	00:15:08	92.23%	0.0248	-0.3238	0.0118	0.0189	0.0306	92.88%	0.0000
x		89.67%	0.0188	-1.4204	0.0181	0.0194	0.0172	89.96%	0.0000
%RSD		3.05	22.5000	51.0360	28.1940	68.7380	55.1050	3.32	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	00:12:41	0.5816	0.0255	0.0207	81.95%	0.0100	0.0074	0.0186	0.0241
2	00:13:17	0.6172	0.0495	0.0268	86.44%	0.0125	0.0100	0.0224	0.0401
3	00:13:55	0.5417	0.0290	0.0463	T 91.74%	0.0174	0.0131	0.0065	0.0275
4	00:14:31	0.4561	0.0535	0.0569	89.46%	0.0231	0.0205	0.0393	0.0253
5	00:15:08	0.4166	0.0221	0.0585	T 93.92%	0.0180	0.0186	0.0116	0.0292
x		0.5226	0.0359	0.0418	T 88.70%	0.0162	0.0139	0.0197	0.0292
%RSD		16.1330	40.4430	41.3230	T 5.28	31.4680	39.9180	63.8770	21.8620

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	00:12:41	0.0173	84.83%	0.0000
2	00:13:17	0.0223	89.23%	0.0000
3	00:13:55	0.0181	91.70%	0.0000
4	00:14:31	0.0319	92.99%	0.0000
5	00:15:08	0.0277	93.74%	0.0000
x		0.0235	90.50%	0.0000
%RSD		26.7900	3.98	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	00:18:04	89.29%	-0.0059	TM 27027.0000	TM 27146.0000	TM 27122.0000	2.8344	TM 127370.0000	85.35%
2	00:18:41	90.58%	0.0067	TM 27357.0000	TM 27639.0000	TM 27729.0000	2.8245	TM 128300.0000	86.85%
3	00:19:18	91.70%	0.0063	TM 27490.0000	TM 27954.0000	TM 27864.0000	2.8462	TM 127760.0000	88.19%
4	00:19:54	91.57%	-0.0063	TM 27696.0000	TM 28152.0000	TM 28229.0000	2.7771	TM 128460.0000	89.45%
5	00:20:31	93.00%	0.0059	TM 27669.0000	TM 28196.0000	TM 28165.0000	2.6413	TM 129170.0000	89.30%
x		91.23%	0.0014	TM 27448.0000	TM 27817.0000	TM 27822.0000	2.7847	TM 128210.0000	87.83%
%RSD		1.52	499.9500	TM 0.9936	TM 1.5643	TM 1.5920	3.0296	TM 0.5401	1.97

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	00:18:04	0.2618	0.2395	0.2494	ID 2.2582	T 940.9100	74.5990	1514.2000	0.7392
2	00:18:41	0.1735	0.1717	0.2038	ID 1.9885	T 937.1300	71.6260	1355.1000	0.7147
3	00:19:18	0.1974	0.4924	0.2134	ID 2.0947	T 931.7400	69.5640	1305.0000	0.6858
4	00:19:54	0.1627	0.2747	0.2140	ID 2.0275	T 933.4000	68.5240	1228.7000	0.7010
5	00:20:31	0.1516	0.0947	0.2779	ID 2.2035	T 934.8300	68.5880	1309.7000	0.6792
x		0.1894	0.2546	0.2317	ID 2.1145	T 935.6100	70.5800	1342.5000	0.7040
%RSD		23.1760	58.8050	13.4380	ID 5.4131	T 0.3811	3.6448	7.9054	3.4150

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	00:18:04	4.0055	0.7928	1.2701	33.1530	1.9282	0.5430	0.7120	-0.8204
2	00:18:41	4.0352	0.7420	1.1873	33.7830	1.9474	-0.2580	0.4886	-0.3497
3	00:19:18	3.9031	0.7571	1.1143	34.2400	1.6935	0.2241	0.2923	0.5416
4	00:19:54	3.6520	0.7659	1.0348	33.9230	1.7826	0.0750	0.2337	-0.1596
5	00:20:31	3.6988	0.7318	1.1695	34.3740	1.7651	0.1187	0.2326	0.9706
x		3.8589	0.7579	1.1552	33.8940	1.8234	0.1406	0.3918	0.0365
%RSD		4.5439	3.1067	7.5716	1.4091	6.0270	205.1400	52.9400	1960.9000

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	00:18:04	82.64%	0.0205	-0.7648	0.0185	0.0129	0.0057	82.13%	0.0000
2	00:18:41	85.11%	0.0114	-0.0717	0.0138	0.0081	0.0000	84.72%	0.0000
3	00:19:18	87.17%	0.0100	-0.1315	0.0094	0.0184	0.0036	86.59%	0.0000
4	00:19:54	87.72%	0.0122	0.1395	0.0134	0.0057	0.0051	87.79%	0.0000
5	00:20:31	88.17%	0.0146	-0.3203	0.0163	0.0077	0.0061	88.09%	0.0000
x		86.17%	0.0137	-0.2297	0.0143	0.0106	0.0041	85.86%	0.0000
%RSD		2.66	30.1550	148.4900	23.8960	48.7750	59.8520	2.88	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:18:04	1.6931	31.7040	31.3330	T 85.13%	0.0881	0.0794	0.5502	0.6166
2	00:18:41	1.7840	32.6510	31.6160	84.72%	0.0762	0.0760	0.5649	0.6668
3	00:19:18	1.7375	32.2130	31.5520	T 91.05%	0.0860	0.0805	0.5731	0.6841
4	00:19:54	1.7610	32.7270	32.1070	88.65%	0.1003	0.0845	0.5514	0.6330
5	00:20:31	1.7345	31.8770	31.9850	89.42%	0.0867	0.0902	0.6068	0.6161
x		1.7420	32.2340	31.7190	T 87.79%	0.0875	0.0821	0.5693	0.6433
%RSD		1.9454	1.4096	1.0076	T 3.15	9.8260	6.5892	4.0476	4.7763

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	00:18:04	0.6236	79.80%	0.0000
2	00:18:41	0.6246	84.41%	0.0000
3	00:19:18	0.6218	86.48%	0.0000
4	00:19:54	0.5984	88.06%	0.0000
5	00:20:31	0.6226	88.87%	0.0000
x		0.6182	85.52%	0.0000
%RSD		1.8003	4.24	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	00:23:28	88.87%	-0.0026	TM 53411.0000	TM 54227.0000	TM 53702.0000	1.8525	TM 253100.0000	84.83%
2	00:24:04	90.24%	-0.0060	TM 54665.0000	TM 55478.0000	TM 55183.0000	1.8352	TM 256350.0000	87.01%
3	00:24:41	90.44%	-0.0045	TM 55331.0000	TM 56163.0000	TM 55967.0000	1.8079	TM 256920.0000	88.61%
4	00:25:18	91.14%	0.0017	TM 56339.0000	TM 57032.0000	TM 57040.0000	1.8053	TM 258700.0000	89.08%
5	00:25:54	91.87%	-0.0094	TM 56161.0000	TM 57500.0000	TM 56851.0000	1.8397	TM 260610.0000	90.19%
x		90.51%	-0.0042	TM 55181.0000	TM 56080.0000	TM 55748.0000	1.8281	TM 257130.0000	87.94%
%RSD		1.24	99.3970	TM 2.1675	TM 2.3120	TM 2.4458	1.1301	TM 1.0904	2.37

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:23:28	0.4139	0.3345	0.5489	ID 4.3834	T 1835.8000	142.9000	3074.3000	1.3329
2	00:24:04	0.2774	0.8160	0.5091	ID 4.4551	T 1848.7000	141.9000	2661.0000	1.2622
3	00:24:41	0.2839	0.5065	0.4883	ID 4.5189	T 1822.6000	136.8100	2539.7000	1.2933
4	00:25:18	0.2585	0.7138	0.4660	ID 4.5709	T 1850.1000	139.0300	2270.1000	1.2308
5	00:25:54	0.2492	0.3638	0.4526	ID 4.5695	T 1858.6000	137.4000	2249.3000	1.2069
x		0.2966	0.5469	0.4930	ID 4.4996	T 1843.2000	139.6100	2558.9000	1.2652
%RSD		22.6120	38.8450	7.7009	ID 1.7858	T 0.7645	1.9315	13.1910	3.9427

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	00:23:28	7.9350	0.9303	1.9045	65.3150	4.0288	0.3349	0.8446	0.4732
2	00:24:04	6.8795	0.8874	1.6066	63.9810	4.0061	0.3235	0.6956	0.0418
3	00:24:41	7.1536	0.8971	1.5957	61.9810	3.4679	-0.0726	0.3793	0.8057
4	00:25:18	6.7950	0.8687	1.5249	64.7040	3.5685	0.3430	0.6565	-0.2970
5	00:25:54	6.5340	0.8789	1.5711	65.5340	3.5414	0.1044	0.9435	-0.7550
x		7.0594	0.8925	1.6406	64.3030	3.7225	0.2066	0.7039	0.0537
%RSD		7.6082	2.6428	9.1944	2.2259	7.3025	89.6070	30.5450	1146.4000

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	00:23:28	81.22%	0.0160	-0.3802	0.0119	0.0248	0.0117	79.74%	0.0000
2	00:24:04	84.70%	0.0173	0.0701	0.0096	0.0018	0.0191	83.66%	0.0000
3	00:24:41	86.71%	0.0189	0.4307	0.0138	0.0142	0.0138	86.32%	0.0000
4	00:25:18	88.20%	0.0212	0.7509	0.0176	0.0202	0.0188	87.92%	0.0000
5	00:25:54	89.09%	0.0196	0.4971	0.0136	0.0057	0.0177	88.82%	0.0000
x		85.98%	0.0186	0.2737	0.0133	0.0133	0.0162	85.29%	0.0000
%RSD		3.65	10.7440	160.4300	22.0590	72.2770	20.2100	4.30	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:23:28	3.2201	65.3210	63.9350	80.27%	0.1683	0.1793	0.8535	0.9084
2	00:24:04	3.2382	63.9210	64.3760	84.98%	0.1811	0.1692	0.8233	0.8899
3	00:24:41	3.3076	63.9980	63.3200	88.25%	0.1826	0.1840	0.8314	0.9487
4	00:25:18	3.2848	63.4840	62.6880	T 93.67%	0.1802	0.1815	0.8490	0.8677
5	00:25:54	3.1447	64.3330	62.8600	T 95.60%	0.2015	0.1767	0.8226	0.9040
x		3.2391	64.2110	63.4360	T 88.55%	0.1827	0.1781	0.8360	0.9037
%RSD		1.9563	1.0752	1.1254	T 7.08	6.5350	3.1782	1.7297	3.2892

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	00:23:28	0.8773	76.17%	0.7438
2	00:24:04	0.8457	81.34%	0.0000
3	00:24:41	0.8966	84.54%	1.3402
4	00:25:18	0.8627	86.80%	0.0000
5	00:25:54	0.8560	88.32%	0.0000
x		0.8677	83.44%	0.4168
%RSD		2.2849	5.80	145.9800

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:28:51	93.05%	-0.0127	TM 27634.0000	TM 28063.0000	TM 27918.0000	2.5692	TM 127500.0000	88.91%
2	00:29:28	91.82%	0.0109	TM 28355.0000	TM 28739.0000	TM 28736.0000	2.4912	TM 130100.0000	90.05%
3	00:30:04	92.11%	-0.0110	TM 28451.0000	TM 28819.0000	TM 28819.0000	2.4245	TM 129930.0000	91.30%
4	00:30:41	93.80%	-0.0004	TM 28285.0000	TM 28809.0000	TM 28812.0000	2.4373	TM 130520.0000	91.31%
5	00:31:18	93.40%	0.0012	TM 28342.0000	TM 28826.0000	TM 28765.0000	2.5409	TM 130240.0000	91.38%
x		92.83%	-0.0024	TM 28213.0000	TM 28651.0000	TM 28610.0000	2.4926	TM 129660.0000	90.59%
%RSD		0.91	401.8400	TM 1.1666	TM 1.1536	TM 1.3573	2.5285	TM 0.9432	1.21

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	00:28:51	0.2235	0.4625	0.2813	ID 2.1276	T 930.3600	74.5440	1420.5000	0.6556
2	00:29:28	0.2028	0.3220	0.2653	ID 2.1212	T 926.4200	71.3750	1204.8000	0.6001
3	00:30:04	0.1813	0.2309	0.2416	ID 2.3170	T 927.9900	67.6280	1267.4000	0.6465
4	00:30:41	0.1855	0.3708	0.2406	ID 2.1029	T 932.6300	69.6890	1249.2000	0.6362
5	00:31:18	0.1557	0.2376	0.1882	ID 2.2410	T 927.0800	69.9300	1250.1000	0.6376
x		0.1898	0.3248	0.2434	ID 2.1819	T 928.9000	70.6330	1278.4000	0.6352
%RSD		13.3290	29.8120	14.4820	ID 4.2635	T 0.2766	3.6277	6.4735	3.3261

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	00:28:51	3.5835	0.5189	0.8461	34.9070	1.8711	0.2071	0.4204	0.3543
2	00:29:28	3.6160	0.5671	0.8819	34.2610	1.8835	0.0785	0.4512	-0.4839
3	00:30:04	3.4637	0.4745	0.9561	33.8530	1.6763	-0.1530	0.2553	0.0233
4	00:30:41	3.5623	0.5325	0.9400	34.5130	2.0964	0.1295	0.7099	-0.3912
5	00:31:18	3.6104	0.4791	0.8221	34.0440	1.7911	-0.1997	0.4302	0.5044
x		3.5672	0.5144	0.8892	34.3150	1.8637	0.0125	0.4534	0.0014
%RSD		1.7312	7.5100	6.5243	1.2012	8.2695	1437.4000	36.0120	31545.0000

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	00:28:51	87.16%	0.0063	-0.0832	0.0064	0.0058	0.0024	86.60%	0.0000
2	00:29:28	89.89%	0.0119	1.2630	0.0100	0.0156	0.0125	90.17%	0.0000
3	00:30:04	90.35%	0.0157	0.8048	0.0200	0.0094	0.0070	90.79%	0.0000
4	00:30:41	90.40%	0.0251	0.4124	0.0138	0.0054	0.0090	91.40%	0.0000
5	00:31:18	91.45%	0.0159	0.1218	0.0109	0.0093	0.0061	91.34%	0.0000
x		89.85%	0.0150	0.5037	0.0122	0.0091	0.0074	90.06%	0.0000
%RSD		1.79	45.9400	107.1700	41.6830	45.1150	50.5220	2.22	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:28:51	1.6223	32.3170	31.4230	87.25%	0.0753	0.0847	0.3556	0.4373
2	00:29:28	1.6027	31.2910	30.7690	T 94.49%	0.0780	0.0775	0.3867	0.4671
3	00:30:04	1.6273	31.8850	32.4800	92.49%	0.0858	0.0805	0.3740	0.4768
4	00:30:41	1.5650	31.8590	30.5320	T 95.97%	0.0851	0.0894	0.4217	0.4213
5	00:31:18	1.5866	31.5610	31.8860	92.37%	0.0941	0.0805	0.3724	0.4144
x		1.6008	31.7820	31.4180	T 92.51%	0.0837	0.0825	0.3821	0.4434
%RSD		1.6096	1.2109	2.5432	T 3.57	8.7926	5.6099	6.4788	6.2215

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	00:28:51	0.4070	85.93%	0.0000
2	00:29:28	0.4450	90.18%	0.0000
3	00:30:04	0.4271	92.17%	0.0000
4	00:30:41	0.4293	91.96%	0.0000
5	00:31:18	0.4151	91.97%	0.6160
x		0.4247	90.44%	0.1232
%RSD		3.4232	2.93	223.6100

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:34:15	93.27%	-0.0065	TM 25771.0000	TM 25910.0000	TM 26026.0000	4.9849	TM 118860.0000	88.49%
2	00:34:52	94.07%	-0.0035	TM 26224.0000	TM 26559.0000	TM 26288.0000	4.8654	TM 119660.0000	89.94%
3	00:35:28	94.03%	-0.0051	TM 26236.0000	TM 26581.0000	TM 26725.0000	4.6772	TM 119500.0000	90.63%
4	00:36:05	94.62%	-0.0037	TM 26497.0000	TM 26888.0000	TM 26909.0000	4.8019	TM 120530.0000	91.66%
5	00:36:42	96.86%	-0.0055	TM 26371.0000	TM 26818.0000	TM 26907.0000	4.8839	TM 121490.0000	92.47%
x		94.57%	-0.0049	TM 26220.0000	TM 26551.0000	TM 26571.0000	4.8427	TM 120010.0000	90.64%
%RSD		1.45	25.8150	TM 1.0476	TM 1.4556	TM 1.4905	2.3434	TM 0.8512	1.70

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:34:15	0.2242	0.1881	0.6487	ID 0.5954	156.5100	33.0740	1443.2000	0.8192
2	00:34:52	0.1809	0.3291	0.5565	ID 0.5425	155.9400	30.0760	1234.0000	0.7948
3	00:35:28	0.2150	0.5530	0.5659	ID 0.5473	156.8900	29.0110	1192.9000	0.8256
4	00:36:05	0.1746	0.3719	0.4618	ID 0.5611	156.9100	28.3520	1129.7000	0.7733
5	00:36:42	0.1428	0.4748	0.5415	ID 0.5485	157.1200	27.2170	1121.4000	0.7465
x		0.1875	0.3834	0.5549	ID 0.5590	156.6800	29.5460	1224.3000	0.7919
%RSD		17.5220	36.5050	12.0110	ID 3.8438	0.2971	7.5423	10.6900	4.1385

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	00:34:15	4.6452	1.9756	2.2389	671.3000	2.9673	1.3562	1.6727	0.4678
2	00:34:52	4.1864	1.9112	2.2304	670.4200	2.7280	1.5258	1.3963	0.2668
3	00:35:28	4.3981	2.0334	2.1101	670.5800	3.0384	1.5333	1.4511	0.3969
4	00:36:05	4.4761	2.0433	2.0877	669.8500	2.8325	1.4764	1.5288	0.3949
5	00:36:42	4.1744	2.0465	2.2531	675.3600	2.8549	1.3139	1.3128	0.8950
x		4.3760	2.0020	2.1840	671.5000	2.8842	1.4411	1.4723	0.4843
%RSD		4.5641	2.9146	3.5959	0.3303	4.1976	6.9676	9.2998	49.7170

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	00:34:15	84.76%	0.0207	-0.9227	0.0246	2.1489	2.1876	83.51%	0.0000
2	00:34:52	87.60%	0.0222	-0.3594	0.0266	2.0806	2.1617	86.05%	0.0000
3	00:35:28	88.65%	0.0287	0.3382	0.0296	2.1232	2.0960	87.15%	0.0000
4	00:36:05	89.89%	0.0223	0.2821	0.0288	2.1664	2.0970	88.94%	0.0000
5	00:36:42	90.43%	0.0246	0.4484	0.0230	2.1153	2.1667	90.39%	0.0000
x		88.27%	0.0237	-0.0427	0.0265	2.1269	2.1418	87.21%	0.0000
%RSD		2.55	13.2200	1368.7000	10.4240	1.5490	1.9832	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	00:34:15	6.3449	59.3720	58.3360	82.67%	0.1590	0.1421	4.5964	5.0775
2	00:34:52	6.4330	57.5850	56.8260	T 89.63%	0.1513	0.1543	4.6426	5.0640
3	00:35:28	6.4468	58.9780	58.4600	88.18%	0.1586	0.1487	4.7833	4.8404
4	00:36:05	6.4451	58.8460	58.0130	89.48%	0.1772	0.1456	4.6250	4.8754
5	00:36:42	6.4319	57.7400	58.5200	91.13%	0.1465	0.1452	4.7609	5.2237
x		6.4204	58.5040	58.0310	T 88.22%	0.1585	0.1472	4.6816	5.0162
%RSD		0.6653	1.3576	1.2088	T 3.71	7.3795	3.1328	1.8066	3.1493

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	00:34:15	4.8030	79.70%	0.0000
2	00:34:52	4.9047	82.78%	0.0000
3	00:35:28	4.8094	84.89%	0.0000
4	00:36:05	4.7882	86.45%	0.0000
5	00:36:42	4.8923	87.71%	0.0000
x		4.8395	84.30%	0.0000
%RSD		1.1272	3.76	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	00:39:40	91.86%	-0.0063	TM 20586.0000	TM 20831.0000	TM 20857.0000	3.9521	TM 99071.0000	87.66%
2	00:40:16	93.34%	0.0012	TM 21011.0000	TM 21314.0000	TM 21156.0000	3.7816	TM 99512.0000	89.50%
3	00:40:53	94.93%	0.0115	TM 21089.0000	TM 21440.0000	TM 21383.0000	3.8469	TM 99370.0000	91.70%
4	00:41:29	93.90%	-0.0005	TM 21406.0000	TM 21771.0000	TM 21601.0000	3.9284	TM 100520.0000	91.92%
5	00:42:06	95.85%	-0.0024	TM 21417.0000	TM 21763.0000	TM 21671.0000	3.9138	TM 101700.0000	92.73%
x		93.98%	0.0007	TM 21102.0000	TM 21424.0000	TM 21334.0000	3.8846	TM 100030.0000	90.70%
%RSD		1.63	931.3300	TM 1.6182	TM 1.8067	TM 1.5664	1.7909	TM 1.0774	2.29

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:39:40	0.2773	0.2095	0.6451	ID 0.9211	152.9200	39.5690	1213.1000	1.2025
2	00:40:16	0.2355	0.1598	0.6040	ID 0.8043	152.3300	36.8630	1092.5000	1.1650
3	00:40:53	0.2024	0.3365	0.6342	ID 0.8781	151.6400	35.4980	1045.2000	1.1153
4	00:41:29	0.1444	0.3493	0.6538	ID 0.8885	151.5400	33.2790	968.1800	1.0754
5	00:42:06	0.1349	0.3271	0.5321	ID 0.9327	151.2100	32.7160	884.8600	1.0892
x		0.1989	0.2764	0.6138	ID 0.8849	151.9300	35.5850	1040.8000	1.1295
%RSD		30.3390	31.1020	8.0474	ID 5.6907	0.4547	7.8302	11.9600	4.7125

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	00:39:40	4.6432	2.4042	2.4210	810.6200	3.1946	1.1073	1.5482	-1.0199
2	00:40:16	4.1100	2.2673	2.3871	807.1400	3.1676	1.2273	1.2069	0.9134
3	00:40:53	4.2288	2.2303	2.3852	805.8000	3.1077	0.8357	1.4276	0.4862
4	00:41:29	3.8365	2.2871	2.3562	806.7800	2.9418	1.1551	1.4205	1.0620
5	00:42:06	3.9235	2.3180	2.3677	803.2800	3.2013	1.0793	1.7748	-0.0912
x		4.1484	2.3014	2.3834	806.7200	3.1226	1.0809	1.4756	0.2701
%RSD		7.6286	2.8558	1.0318	0.3286	3.4458	13.7030	14.0670	314.3000

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	00:39:40	84.46%	0.0158	-1.4461	0.0146	2.1356	2.2204	82.92%	0.0000
2	00:40:16	86.87%	0.0356	-0.6711	0.0344	2.0553	2.0507	86.14%	0.0000
3	00:40:53	89.16%	0.0505	0.3839	0.0545	2.0251	2.1454	87.88%	0.0000
4	00:41:29	90.70%	0.0595	0.5439	0.0642	2.2238	2.1663	89.33%	0.0000
5	00:42:06	91.56%	0.0631	0.5951	0.0634	2.1031	2.2127	91.00%	0.0000
x		88.55%	0.0449	-0.1189	0.0462	2.1086	2.1591	87.45%	0.0000
%RSD		3.27	43.3050	760.5300	46.1930	3.6614	3.1591	3.55	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:39:40	6.0698	55.7220	54.7960	81.57%	0.1217	0.1018	3.5897	3.9539
2	00:40:16	6.1888	55.8240	54.8270	85.49%	0.1148	0.1101	3.7525	3.9264
3	00:40:53	6.1119	54.9490	55.1140	88.88%	0.1171	0.1030	3.6644	3.9254
4	00:41:29	6.1769	54.8360	53.5850	T 94.37%	0.1113	0.0992	3.5991	4.0895
5	00:42:06	6.1818	53.6700	53.0730	T 95.88%	0.1158	0.1087	3.6380	3.8872
x		6.1458	55.0000	54.2790	T 89.24%	0.1161	0.1046	3.6487	3.9565
%RSD		0.8548	1.5743	1.6483	T 6.71	3.2569	4.4429	1.7906	1.9731

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	00:39:40	3.7402	78.99%	0.0000
2	00:40:16	3.8105	82.95%	0.0000
3	00:40:53	3.8040	85.77%	0.0000
4	00:41:29	3.7637	87.76%	0.0000
5	00:42:06	3.8013	89.55%	0.0000
x		3.7839	85.00%	0.0000
%RSD		0.8073	4.89	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	00:45:04	93.11%	-0.0065	TM 24345.0000	TM 24841.0000	TM 24572.0000	3.1332	TM 114210.0000	89.80%
2	00:45:41	93.59%	-0.0204	TM 24915.0000	TM 25458.0000	TM 25268.0000	3.3588	TM 115040.0000	92.30%
3	00:46:18	94.33%	-0.0006	TM 25220.0000	TM 25794.0000	TM 25591.0000	3.2610	TM 115760.0000	93.47%
4	00:46:54	94.86%	-0.0068	TM 25425.0000	TM 25730.0000	TM 25730.0000	3.1276	TM 116360.0000	93.90%
5	00:47:31	94.53%	-0.0052	TM 25178.0000	TM 25464.0000	TM 25580.0000	3.3192	TM 116700.0000	94.42%
x		94.08%	-0.0079	TM 25017.0000	TM 25457.0000	TM 25348.0000	3.2400	TM 115610.0000	92.78%
%RSD		0.76	94.1160	TM 1.6673	TM 1.4787	TM 1.8370	3.2684	TM 0.8713	1.98

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	00:45:04	0.2454	0.4452	0.6694	ID 0.6546	149.2900	29.2100	1189.4000	0.7698
2	00:45:41	0.1791	0.5688	0.5869	ID 0.6116	148.0400	27.3160	1089.7000	0.7751
3	00:46:18	0.1981	0.5510	0.6190	ID 0.6419	150.0000	27.1810	991.9000	0.7747
4	00:46:54	0.1462	0.5651	0.5950	ID 0.6623	150.0500	26.2020	945.7000	0.8026
5	00:47:31	0.1432	0.2677	0.5801	ID 0.6204	150.1000	25.9640	964.5700	0.7459
x		0.1824	0.4796	0.6101	ID 0.6382	149.5000	27.1750	1036.3000	0.7736
%RSD		23.0660	26.8760	5.9442	ID 3.4079	0.5867	4.7175	9.8430	2.6075

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	00:45:04	4.2298	2.0314	2.1413	656.8200	2.9577	1.1312	1.6335	0.2558
2	00:45:41	3.9659	1.9486	1.9569	648.9000	2.8826	1.5358	1.6982	0.5041
3	00:46:18	3.9090	1.8904	2.0264	654.4000	2.7917	1.1896	1.4132	0.8762
4	00:46:54	3.9257	1.9692	2.1621	654.7000	2.9146	0.7146	1.1790	0.2779
5	00:47:31	3.8420	1.9645	2.0217	651.7000	2.6260	1.0800	1.0932	1.3301
x		3.9745	1.9608	2.0617	653.3000	2.8345	1.1302	1.4034	0.6488
%RSD		3.7635	2.5727	4.2171	0.4685	4.6409	25.9190	19.0710	70.1650

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	00:45:04	87.88%	0.0095	0.3336	0.0128	2.1765	2.2046	86.77%	0.0000
2	00:45:41	91.31%	0.0125	0.3296	0.0155	2.2496	2.2738	90.73%	0.0000
3	00:46:18	93.11%	0.0088	0.6554	0.0082	2.1321	2.1787	92.57%	0.0000
4	00:46:54	93.67%	0.0109	0.8779	0.0112	2.2693	2.2277	93.56%	0.0000
5	00:47:31	94.16%	0.0174	0.5730	0.0245	2.2102	2.2324	94.01%	0.0000
x		92.03%	0.0118	0.5539	0.0145	2.2075	2.2234	91.53%	0.0000
%RSD		2.78	28.7100	41.8070	42.9730	2.5064	1.5884	3.21	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	00:45:04	6.1775	58.6040	57.4610	T 92.05%	0.1485	0.1341	3.6325	3.8063
2	00:45:41	6.2449	57.6830	57.3570	T 95.85%	0.1642	0.1378	3.6626	4.0663
3	00:46:18	6.2586	58.8350	57.6220	T 98.52%	0.1516	0.1324	3.5716	4.0605
4	00:46:54	6.3531	57.6320	57.7710	T 99.13%	0.1477	0.1334	3.6827	4.0126
5	00:47:31	6.2675	58.2060	58.1390	T 100.03%	0.1444	0.1332	3.6638	3.9189
x		6.2603	58.1920	57.6700	T 97.11%	0.1513	0.1342	3.6426	3.9730
%RSD		1.0027	0.9237	0.5307	T 3.33	5.0632	1.5876	1.1963	2.7754

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	00:45:04	3.8324	84.32%	0.0000
2	00:45:41	3.7968	89.10%	0.0000
3	00:46:18	3.8162	91.89%	0.0000
4	00:46:54	3.8542	92.35%	0.0000
5	00:47:31	3.8192	92.77%	0.0000
x		3.8238	90.09%	0.0000
%RSD		0.5556	3.92	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	00:50:29	94.51%	-0.0021	T 18810.0000	T 19179.0000	T 19055.0000	6.0220	TM 93424.0000	89.53%
2	00:51:06	95.40%	-0.0007	T 19086.0000	T 19431.0000	T 19403.0000	5.3699	TM 94546.0000	90.65%
3	00:51:43	96.53%	0.0035	T 19086.0000	T 19235.0000	T 19485.0000	5.4522	TM 95066.0000	92.41%
4	00:52:19	96.68%	-0.0070	T 19125.0000	T 19388.0000	T 19542.0000	5.4561	TM 94555.0000	92.72%
5	00:52:56	97.60%	-0.0012	T 19293.0000	T 19607.0000	T 19557.0000	5.4810	TM 95092.0000	93.36%
x		96.14%	-0.0015	T 19080.0000	T 19368.0000	T 19408.0000	5.5562	TM 94536.0000	91.74%
%RSD		1.25	248.7300	T 0.9083	T 0.8735	T 1.0649	4.7461	TM 0.7150	1.73

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:50:29	0.2411	0.2864	0.6603	ID 0.7341	133.6000	38.5440	1126.9000	0.7040
2	00:51:06	0.2035	0.8364	0.6928	ID 0.8618	134.4600	34.9730	985.4600	0.6765
3	00:51:43	0.1720	0.5938	0.6831	ID 0.9138	133.5200	31.8740	932.6700	0.6295
4	00:52:19	0.2121	0.6529	0.6366	ID 0.8530	132.6500	31.8320	874.4800	0.6482
5	00:52:56	0.1399	0.5652	0.5926	ID 0.8510	132.7200	30.8380	865.8300	0.5905
x		0.1937	0.5869	0.6531	ID 0.8427	133.3900	33.6120	957.0600	0.6497
%RSD		20.0880	33.7960	6.1531	ID 7.8226	0.5568	9.4158	11.1300	6.6988

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	00:50:29	3.8312	2.4391	2.6176	755.8600	2.8515	1.7081	1.6679	0.5572
2	00:51:06	3.6753	2.3765	2.4576	753.7900	2.5709	1.7206	1.2766	0.8518
3	00:51:43	3.7882	2.2998	2.4119	743.0600	2.4451	1.4286	1.7928	-0.4015
4	00:52:19	3.6630	2.3904	2.4071	746.2200	2.4919	1.0626	1.2069	0.6783
5	00:52:56	3.6005	2.3226	2.3831	748.3600	2.6693	0.8007	1.8077	0.0647
x		3.7116	2.3657	2.4555	749.4600	2.6057	1.3441	1.5504	0.3501
%RSD		2.5628	2.3463	3.8512	0.7073	6.2011	30.1270	18.5730	146.2500

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	00:50:29	86.64%	0.0246	-1.1244	0.0166	2.3773	2.5049	85.42%	0.0000
2	00:51:06	89.15%	0.0206	-0.9323	0.0154	2.4375	2.5255	87.94%	0.0000
3	00:51:43	90.52%	0.0237	0.3733	0.0258	2.5902	2.4471	89.35%	0.0000
4	00:52:19	91.26%	0.0299	-0.0075	0.0214	2.6274	2.4213	89.87%	0.0000
5	00:52:56	91.92%	0.0216	0.5994	0.0269	2.4764	2.5271	90.73%	0.0000
x		89.90%	0.0241	-0.2183	0.0212	2.5018	2.4852	88.66%	0.0000
%RSD		2.33	15.0120	354.3600	24.5210	4.1864	1.9409	2.34	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	00:50:29	5.3473	54.5790	53.8210	84.37%	0.1271	0.1147	1.7095	1.8321
2	00:51:06	5.3603	53.3040	54.0990	87.76%	0.1285	0.1211	1.7419	1.8927
3	00:51:43	5.3685	52.4570	52.8090	T 93.07%	0.1319	0.1282	1.7883	1.9129
4	00:52:19	5.3634	53.6050	53.1880	90.84%	0.1227	0.1188	1.7141	1.9668
5	00:52:56	5.3893	53.6820	52.7650	T 95.37%	0.1221	0.1225	1.8570	1.8698
x		5.3658	53.5250	53.3360	T 90.28%	0.1265	0.1211	1.7622	1.8949
%RSD		0.2856	1.4263	1.1264	T 4.81	3.2458	4.0955	3.4962	2.6489

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	00:50:29	1.8277	81.61%	0.0000
2	00:51:06	1.8121	85.49%	0.0000
3	00:51:43	1.8489	87.41%	0.0000
4	00:52:19	1.8335	88.22%	0.0000
5	00:52:56	1.8745	88.10%	0.0000
x		1.8394	86.17%	0.0000
%RSD		1.2858	3.22	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	00:55:54	87.17%	0.0143	TM 49944.0000	TM 50574.0000	TM 50154.0000	1.7184	TM 406950.0000	85.43%
2	00:56:31	87.41%	0.0108	TM 50874.0000	TM 51912.0000	TM 51779.0000	1.7671	TM 408820.0000	87.36%
3	00:57:08	87.28%	0.0010	TM 51481.0000	TM 52206.0000	TM 51772.0000	1.7627	TM 409760.0000	88.69%
4	00:57:44	88.37%	-0.0042	TM 51491.0000	TM 52158.0000	TM 52204.0000	1.6469	TM 411550.0000	89.46%
5	00:58:21	88.42%	0.0137	TM 51791.0000	TM 52637.0000	TM 52762.0000	1.7519	TM 412540.0000	90.01%
x		87.73%	0.0071	TM 51116.0000	TM 51897.0000	TM 51734.0000	1.7294	TM 409920.0000	88.19%
%RSD		0.70	116.0700	TM 1.4383	TM 1.5118	TM 1.8783	2.8870	TM 0.5395	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	00:55:54	0.4129	0.3832	0.5793	ID 0.6839	546.1900	63.5360	4690.2000	2.0321
2	00:56:31	0.3051	0.3704	0.5324	ID 0.8585	T 540.1000	60.2140	3837.6000	1.8895
3	00:57:08	0.3214	0.6496	0.4921	ID 0.7529	T 536.8400	56.6210	3847.4000	1.8627
4	00:57:44	0.2857	0.5212	0.5317	ID 0.8461	547.6500	57.4260	3733.1000	1.8536
5	00:58:21	0.2573	0.3586	0.5055	ID 0.7619	T 541.8700	53.7920	3579.0000	1.8080
x		0.3165	0.4566	0.5282	ID 0.7806	T 542.5300	58.3180	3937.5000	1.8892
%RSD		18.6290	27.6740	6.3155	ID 9.2418	T 0.8154	6.3575	11.0330	4.5069

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	00:55:54	26.5830	3.7013	4.7502	TM 8805.2000	0.5388	3.9386	4.2259	7.5597
2	00:56:31	26.2060	3.8258	4.6282	TM 8797.7000	0.6705	3.3249	3.9761	6.2230
3	00:57:08	26.0410	3.8201	4.6249	TM 8769.4000	0.7100	4.1591	3.4174	7.3967
4	00:57:44	26.1640	3.8252	4.4348	TM 8782.6000	1.0509	4.1009	3.5153	5.9527
5	00:58:21	25.7930	3.7702	4.5628	TM 8695.4000	0.7593	3.7573	3.8866	4.9539
x		26.1580	3.7885	4.6002	TM 8770.1000	0.7459	3.8562	3.8043	6.4172
%RSD		1.0980	1.4263	2.4940	TM 0.5014	25.3550	8.7031	8.7899	16.8180

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	00:55:54	81.88%	0.7696	-0.3415	0.7847	72.2340	70.7620	78.85%	0.0000
2	00:56:31	84.33%	0.8263	-0.3595	0.8259	71.8730	71.4540	81.60%	0.0000
3	00:57:08	85.38%	0.8145	-0.7101	0.7863	72.2260	70.9080	83.32%	0.0000
4	00:57:44	86.62%	0.7925	1.3330	0.8138	72.3050	70.9670	84.52%	0.0000
5	00:58:21	88.08%	0.8405	1.2014	0.8144	71.9810	71.2880	85.23%	0.0000
x		85.26%	0.8087	0.2247	0.8050	72.1240	71.0750	82.70%	0.0000
%RSD		2.76	3.4644	429.0800	2.2940	0.2581	0.4020	3.09	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	00:55:54	1.0200	25.4110	25.6660	T 83.83%	0.2593	0.2390	3.4398	3.6777
2	00:56:31	0.9559	26.7710	25.8900	83.03%	0.2486	0.2468	3.4016	3.7265
3	00:57:08	0.9781	25.5780	25.4910	85.22%	0.2371	0.2438	3.4468	3.8389
4	00:57:44	1.0398	25.1840	25.4030	T 90.34%	0.2655	0.2346	3.4208	3.6545
5	00:58:21	1.0548	24.5820	24.9760	T 92.15%	0.2428	0.2340	3.4507	3.6661
x		1.0097	25.5050	25.4850	T 86.91%	0.2507	0.2396	3.4319	3.7127
%RSD		4.1272	3.1434	1.3342	T 4.70	4.6446	2.3480	0.5973	2.0383

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	00:55:54	3.5763	72.31%	0.0000
2	00:56:31	3.5982	75.22%	0.0000
3	00:57:08	3.6381	77.31%	0.0000
4	00:57:44	3.6006	79.24%	0.0000
5	00:58:21	3.6163	80.08%	0.0000
x		3.6059	76.83%	0.0000
%RSD		0.6368	4.10	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	01:01:23	92.50%	-0.0095	TM 25547.0000	TM 25814.0000	TM 25953.0000	1.6574	TM 202570.0000	90.32%
2	01:02:00	92.55%	-0.0049	TM 26051.0000	TM 26533.0000	TM 26366.0000	1.5887	TM 206260.0000	92.17%
3	01:02:37	93.60%	-0.0051	TM 26296.0000	TM 26919.0000	TM 26836.0000	1.5629	TM 207270.0000	94.00%
4	01:03:13	94.54%	-0.0067	TM 26416.0000	TM 26834.0000	TM 26879.0000	1.4488	TM 206380.0000	95.36%
5	01:03:50	94.75%	-0.0022	TM 26458.0000	TM 26779.0000	TM 26818.0000	1.5747	TM 208520.0000	96.08%
x		93.59%	-0.0057	TM 26154.0000	TM 26576.0000	TM 26570.0000	1.5665	TM 206200.0000	93.58%
%RSD		1.14	47.1850	TM 1.4306	TM 1.6904	TM 1.5173	4.8079	TM 1.0764	2.52

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:01:23	0.2291	0.1830	0.3303	ID 0.2877	265.9500	35.1220	2211.3000	0.9617
2	01:02:00	0.2157	0.3162	0.2882	ID 0.4250	267.8000	31.0900	1939.6000	0.9839
3	01:02:37	0.2207	0.1668	0.2410	ID 0.4282	266.2300	27.6320	1750.9000	0.9088
4	01:03:13	0.2087	0.0574	0.2607	ID 0.3720	265.1800	26.6050	1733.6000	0.8532
5	01:03:50	0.1794	0.2664	0.2730	ID 0.3846	264.6300	27.3470	1787.3000	0.9029
x		0.2107	0.1980	0.2786	ID 0.3795	265.9600	29.5590	1884.5000	0.9221
%RSD		9.0302	50.2620	12.0760	ID 14.9960	0.4543	12.0350	10.6090	5.6031

Run	Time	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:01:23	13.8130	2.1187	2.5476	T 4707.5000	0.2883	2.1207	1.5620	3.9484
2	01:02:00	13.4230	2.0773	2.5470	T 4710.3000	0.4390	2.8083	2.4882	2.4646
3	01:02:37	12.9680	2.1127	2.4316	T 4692.2000	0.4015	2.1952	1.8121	2.3568
4	01:03:13	12.9840	2.0327	2.3842	T 4677.5000	0.4098	2.3281	2.1740	3.1282
5	01:03:50	12.6380	2.1159	2.3618	T 4672.3000	0.2399	2.1048	1.8014	2.7830
x		13.1650	2.0915	2.4544	T 4692.0000	0.3557	2.3114	1.9675	2.9362
%RSD		3.4737	1.7644	3.6021	T 0.3653	24.3100	12.6090	18.4990	21.8270

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	01:01:23	87.78%	0.4052	0.2248	0.3921	36.3920	36.3290	86.21%	0.0000
2	01:02:00	90.76%	0.4255	1.0759	0.3938	36.5320	36.4890	90.00%	0.0000
3	01:02:37	93.15%	0.4219	0.9363	0.4203	36.6530	36.5140	91.34%	0.0000
4	01:03:13	94.22%	0.4035	1.3717	0.3958	36.4080	36.4360	94.08%	0.0000
5	01:03:50	95.09%	0.3734	1.2854	0.4005	36.6770	36.0500	95.10%	0.0000
x		92.20%	0.4059	0.9788	0.4005	36.5330	36.3640	91.35%	0.0000
%RSD		3.21	5.0856	46.4850	2.8734	0.3634	0.5200	3.86	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:01:23	0.4758	12.8840	13.0310	86.21%	0.1226	0.1051	1.7211	1.8403
2	01:02:00	0.4826	12.8620	12.7780	90.77%	0.0877	0.1035	1.7086	1.7476
3	01:02:37	0.4433	12.7870	12.3730	T 97.64%	0.1019	0.1034	1.6705	1.7592
4	01:03:13	0.4968	12.2960	12.5680	T 99.56%	0.1243	0.0976	1.7075	1.8300
5	01:03:50	0.4889	12.2900	12.4590	T 100.01%	0.1078	0.1052	1.6151	1.8356
x		0.4775	12.6240	12.6420	T 94.84%	0.1089	0.1030	1.6846	1.8025
%RSD		4.3246	2.4076	2.0969	T 6.41	13.9550	3.0434	2.5638	2.5090

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	01:01:23	1.7637	81.40%	0.0000
2	01:02:00	1.7621	86.37%	0.0000
3	01:02:37	1.7622	89.41%	0.0000
4	01:03:13	1.7411	90.29%	0.0000
5	01:03:50	1.7269	91.69%	0.0000
x		1.7512	87.83%	0.0000
%RSD		0.9418	4.66	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	01:06:49	98.43%	1.0344	-0.7412	-0.6878	-0.8302	-0.3946	-0.3370	95.61%
2	01:07:26	99.26%	1.0495	-0.2832	-0.3030	-0.6705	-0.4052	3.5672	97.28%
3	01:08:02	100.65%	0.9631	0.4857	1.0345	0.9133	-0.3796	4.7508	98.90%
4	01:08:39	99.49%	1.0696	1.8827	1.7138	1.6725	-0.4139	16.5190	99.89%
5	01:09:15	100.24%	0.9515	1.4558	2.4223	1.4483	-0.3806	12.8110	100.02%
x		99.61%	1.0136	0.5600	0.8360	0.5067	-0.3948	7.4621	98.34%
%RSD		0.87	5.2349	198.8900	157.6300	233.2000	3.8081	93.3230	1.91

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	01:06:49	0.0823	4.8095	1.9647	ID 0.0702	0.9259	16.0130	2.6815	0.9598
2	01:07:26	0.0322	4.7489	1.9556	ID 0.0054	0.9290	11.3850	-0.1607	0.8999
3	01:08:02	0.0370	4.7763	1.9186	ID -0.0438	0.9193	11.8680	-3.6515	0.9041
4	01:08:39	0.0043	4.7377	1.9388	ID -0.0965	0.9128	10.5780	-8.2058	0.8943
5	01:09:15	0.0029	4.7254	1.9580	ID 0.0586	0.9353	9.5845	-5.9518	0.9148
x		0.0317	4.7595	1.9471	ID -0.0012	0.9245	11.8860	-3.0576	0.9146
%RSD		101.7500	0.7076	0.9538	ID 5707.1000	0.9419	20.7340	143.0800	2.8830

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	01:06:49	0.8678	2.0148	1.9519	2.3926	0.9354	6.6883	5.0049	-0.2849
2	01:07:26	0.9490	1.8807	1.9347	2.3712	0.9965	6.0698	4.9803	-0.3404
3	01:08:02	0.9668	2.0292	1.9501	2.4620	1.0163	5.9533	4.9056	0.1046
4	01:08:39	0.9251	1.8994	2.0108	2.5067	0.8572	6.0811	5.2586	0.2538
5	01:09:15	0.8906	1.9467	2.0235	2.5537	1.1183	5.4895	5.4300	-0.1710
x		0.9199	1.9542	1.9742	2.4572	0.9847	6.0564	5.1159	-0.0876
%RSD		4.4325	3.4094	2.0268	3.1097	9.8587	7.0641	4.3046	292.9200

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:06:49	93.23%	0.9295	-1.8277	0.9502	1.0467	0.9907	91.65%	0.0000
2	01:07:26	96.15%	0.9248	0.0288	0.9572	0.9467	0.9450	95.19%	0.0000
3	01:08:02	97.29%	0.9433	-1.5581	0.9304	0.9673	0.9217	97.30%	0.0000
4	01:08:39	98.91%	0.9430	-0.8881	0.9228	1.0241	0.9711	98.11%	0.0000
5	01:09:15	98.72%	0.9086	-0.2132	0.9689	1.0414	0.9329	98.05%	0.0000
x		96.86%	0.9298	-0.8917	0.9459	1.0052	0.9523	96.06%	0.0000
%RSD		2.40	1.5502	90.9000	2.0098	4.5194	2.9672	2.85	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:06:49	1.8474	9.9868	9.7543	87.12%	0.9451	0.8852	0.9641	1.0100
2	01:07:26	1.8669	9.9583	9.8705	T 94.17%	0.9050	0.8785	0.9140	1.0338
3	01:08:02	1.8313	9.9104	9.8010	93.21%	0.9196	0.8625	1.0272	0.9415
4	01:08:39	1.7689	9.9437	9.9684	T 97.87%	0.9169	0.8805	0.9119	0.9326
5	01:09:15	1.9047	9.7824	9.5568	T 98.10%	0.9110	0.8673	0.9583	1.0058
x		1.8438	9.9163	9.7902	T 94.09%	0.9195	0.8748	0.9551	0.9847
%RSD		2.7150	0.8043	1.5663	T 4.74	1.6747	1.0887	4.9254	4.5646

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	01:06:49	0.9611	88.59%	0.0000
2	01:07:26	0.9623	92.76%	0.6107
3	01:08:02	0.9722	95.43%	0.0000
4	01:08:39	0.9226	96.61%	0.0000
5	01:09:15	0.9485	97.45%	0.0000
x		0.9534	94.17%	0.1221
%RSD		2.0056	3.81	223.6100

CCV4 07/03/2008 01:11:37

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	01:12:14	92.65%	251.9800	978.8400	986.1900	988.8000	245.4200	977.1100	89.47%
2	01:12:50	92.83%	251.2600	990.7800	992.4900	1008.5000	244.5100	977.5200	90.41%
3	01:13:27	92.97%	247.9900	992.7800	1022.4000	1005.5000	244.3400	998.7900	90.05%
4	01:14:04	92.09%	251.0300	997.0300	1009.3000	1016.0000	243.3900	986.3500	90.67%
5	01:14:41	92.39%	248.8800	1006.2000	1021.6000	1018.1000	244.2000	983.9500	90.30%
x		92.59%	250.2300	993.1300	1006.4000	1007.4000	244.3700	984.7400	90.18%
%RSD		0.38	0.6805	1.0019	1.6467	1.1522	0.2974	0.8955	0.51

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:12:14	0.1213	242.6700	243.9200	ID 41.6440	244.6100	1005.8000	1014.8000	247.2400
2	01:12:50	0.0462	244.0400	243.2100	ID 42.1310	243.8500	1014.7000	999.5000	244.8500
3	01:13:27	0.0441	244.4200	243.8800	ID 41.8960	244.1600	1017.6000	994.6100	244.2900
4	01:14:04	0.0329	242.0700	241.5900	ID 41.6710	245.1600	1015.7000	982.3300	245.1200
5	01:14:41	-0.0089	243.6000	241.8000	ID 41.7500	243.4500	1021.5000	1000.7000	245.1100
x		0.0471	243.3600	242.8800	ID 41.8180	244.2500	1015.1000	998.4000	245.3200
%RSD		99.8500	0.3996	0.4609	ID 0.4794	0.2716	0.5700	1.1733	0.4583

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	01:12:14	248.5100	245.2600	247.4200	244.9200	250.3600	253.6100	248.5800	-0.0036
2	01:12:50	246.1600	242.9400	246.4400	244.8500	249.9800	250.9700	250.4400	-0.1617
3	01:13:27	246.3900	243.8400	247.6300	246.1700	251.3800	253.4900	252.4800	-0.2189
4	01:14:04	247.2600	243.6400	245.6000	244.6600	247.8200	250.6400	246.5200	-0.6662
5	01:14:41	245.7100	241.5000	246.8900	247.1300	247.7700	248.9700	249.2100	-0.2098
x		246.8100	243.4400	246.7900	245.5400	249.4600	251.5400	249.4500	-0.2521
%RSD		0.4484	0.5636	0.3296	0.4356	0.6430	0.7914	0.8872	98.0500

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	01:12:14	86.87%	242.7300	-2.3667	242.6200	246.4600	242.4400	86.51%	0.0000
2	01:12:50	89.17%	242.2300	-3.1323	241.2100	245.0800	242.6900	89.06%	0.0000
3	01:13:27	89.16%	243.8100	-2.8474	243.5400	247.9800	244.5300	89.45%	0.0000
4	01:14:04	89.92%	242.6900	2.1671	242.1500	245.8500	244.6200	90.62%	0.0000
5	01:14:41	90.44%	243.3900	1.0475	242.0100	244.7800	244.3400	91.36%	0.0000
x		89.11%	242.9700	-1.0263	242.3100	246.0300	243.7300	89.40%	0.0000
%RSD		1.53	0.2580	238.9000	0.3528	0.5173	0.4381	2.08	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	01:12:14	241.7900	252.9800	251.0000	82.23%	244.3300	240.7400	245.8100	245.1200
2	01:12:50	242.6900	252.0500	251.1300	85.01%	244.6000	240.9900	245.0400	244.1200
3	01:13:27	244.0200	247.0300	243.2900	T 91.05%	242.7600	238.3600	243.4800	244.1100
4	01:14:04	246.1800	251.5200	249.6500	87.98%	242.5200	238.8800	244.1500	244.9900
5	01:14:41	246.0500	251.5300	248.7300	88.81%	244.0500	239.5200	245.4200	245.4900
x		244.1500	251.0200	248.7600	T 87.01%	243.6500	239.7000	244.7800	244.7600
%RSD		0.8048	0.9204	1.2929	T 3.95	0.3894	0.4785	0.3891	0.2539

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	01:12:14	242.8000	84.69%	0.0000
2	01:12:50	242.6200	88.43%	0.0000
3	01:13:27	242.3500	90.93%	0.0000
4	01:14:04	242.4900	91.96%	0.6160
5	01:14:41	242.8500	92.93%	0.0000
x		242.6200	89.79%	0.1232
%RSD		0.0853	3.68	223.6100

CCB4 07/03/2008 01:17:01

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	01:17:37	90.43%	0.0035	-1.0490	-0.9075	-1.4151	-0.1735	-6.1934	88.89%
2	01:18:14	93.41%	0.0012	-1.0392	-0.9197	-1.3335	-0.1708	-6.1304	91.89%
3	01:18:51	94.17%	-0.0067	-1.0013	-1.0270	-0.9804	-0.1789	-4.2498	93.53%
4	01:19:27	94.96%	-0.0038	-0.8862	-0.5720	-1.1203	-0.1621	-6.7910	94.62%
5	01:20:04	96.00%	-0.0009	-0.9537	-0.6794	-1.2135	-0.1231	-6.2997	95.38%
x		93.79%	-0.0013	-0.9859	-0.8211	-1.2126	-0.1617	-5.9329	92.86%
%RSD		2.25	295.8300	6.8123	22.9250	14.1690	13.8590	16.4510	2.78

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:17:37	0.0610	0.0762	0.0281	ID -0.0261	-0.0139	-2.2765	2.7894	0.0017
2	01:18:14	0.0471	-0.0048	0.0191	ID -0.1021	-0.0163	-2.4792	-3.8083	0.0062
3	01:18:51	0.0422	0.0530	0.0129	ID -0.0611	-0.0184	-3.0337	-6.0428	0.0089
4	01:19:27	0.0156	0.0334	0.0151	ID -0.0411	-0.0117	-4.5987	-7.4439	0.0024
5	01:20:04	0.0263	0.0109	0.0252	ID -0.0648	-0.0183	-4.7184	-9.0028	0.0029
x		0.0384	0.0337	0.0201	ID -0.0590	-0.0157	-3.4213	-4.7017	0.0044
%RSD		46.3950	95.8290	32.2800	ID 48.6170	18.3780	34.0130	97.8910	68.9910

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	01:17:37	0.0014	0.0775	0.0518	-0.0563	0.0248	0.9680	0.0212	-0.4042
2	01:18:14	0.0161	0.0694	0.0723	0.0290	0.0177	0.5026	0.1031	-0.3660
3	01:18:51	0.0177	0.0656	0.0431	0.0203	-0.0141	0.4206	-0.1788	-0.0022
4	01:19:27	-0.0037	0.0709	0.0392	-0.0271	0.0393	0.3570	-0.0182	0.3059
5	01:20:04	-0.0040	0.0595	0.0340	-0.0154	0.0712	0.3711	0.0988	-0.1775
x		0.0055	0.0686	0.0481	-0.0099	0.0278	0.5238	0.0052	-0.1288
%RSD		193.8900	9.6825	31.2440	353.4600	112.2300	48.6270	2213.1000	226.1800

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:17:37	87.86%	0.0123	-1.7798	0.0135	0.0015	0.0033	87.09%	0.0000
2	01:18:14	91.24%	0.0139	-0.7628	0.0129	0.0133	0.0055	91.54%	0.0000
3	01:18:51	93.61%	0.0074	0.2174	0.0115	0.0013	0.0035	94.14%	0.0000
4	01:19:27	95.64%	0.0085	-0.6963	0.0143	0.0087	0.0051	95.81%	0.0000
5	01:20:04	96.54%	0.0025	-0.1408	0.0093	0.0010	0.0056	97.82%	0.0000
x		92.98%	0.0089	-0.6325	0.0123	0.0052	0.0046	93.28%	0.0000
%RSD		3.78	49.9750	119.9400	15.9540	107.2400	24.7320	4.45	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	01:17:37	0.5325	0.0052	-0.0020	84.23%	0.0001	0.0009	0.0238	0.0019
2	01:18:14	0.5575	-0.0078	0.0224	88.66%	0.0019	-0.0006	0.0042	0.0246
3	01:18:51	0.5037	-0.0019	0.0043	T 95.26%	0.0004	0.0032	0.0087	0.0108
4	01:19:27	0.4388	0.0153	0.0009	T 97.79%	-0.0016	0.0008	0.0189	-0.0003
5	01:20:04	0.3953	0.0092	0.0040	T 99.31%	-0.0039	-0.0010	0.0136	0.0146
x		0.4856	0.0040	0.0059	T 93.05%	-0.0006	0.0006	0.0138	0.0103
%RSD		13.8370	226.2000	161.3600	T 6.87	367.0600	251.7300	56.5960	97.3150

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	01:17:37	0.0112	86.90%	0.0000
2	01:18:14	0.0082	91.71%	0.0000
3	01:18:51	0.0098	95.21%	0.0000
4	01:19:27	0.0084	97.83%	0.0000
5	01:20:04	0.0121	99.59%	0.0000
x		0.0099	94.25%	0.0000
%RSD		17.1390	5.38	0.0000

Mass Uncorrected ICPS

S0 07/02/2008 20:52:16

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	20:52:53	256275.1100	10.0000	380.0087	35.0001	95.0005	1745.1827	615.0227	721364.2000
2	20:53:30	258394.0600	15.0000	535.0172	75.0003	115.0008	1762.6864	665.0265	742234.1400
3	20:54:07	261858.0400	9.1667	1180.0835	135.0011	220.0029	1732.6801	670.0269	751335.5400
4	20:54:43	262135.7300	12.5000	1845.2043	235.0033	370.0082	1770.1880	725.0315	755563.3500
5	20:55:20	261325.8900	12.5000	1400.1176	190.0022	215.0028	1722.6780	740.0329	754228.9700
x		259997.7600	11.8333	1068.0863	134.0014	203.0031	1746.6831	683.0281	744945.2400
%RSD		0.985	19.541	57.033	60.880	53.812	1.139	7.368	1.902

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	20:52:53	292.5051	572.5197	1982.7358	ID 3980.9507	210.0027	189620.5900	1667.6669	27.5000
2	20:53:30	280.0047	497.5149	2030.2473	ID 3863.3953	295.0052	192190.9800	1645.1624	12.5000
3	20:54:07	302.5055	480.0138	1897.7161	ID 3870.8988	307.5057	192001.6900	1732.6801	25.0000
4	20:54:43	292.5051	487.5143	1860.2076	ID 4091.0039	375.0084	191239.4600	1607.6551	25.0000
5	20:55:20	317.5061	452.5123	1992.7382	ID 4065.9917	355.0076	191326.4200	1605.1546	40.0001
x		297.0053	498.0150	1952.7290	ID 3974.4481	308.5059	191275.8300	1651.6638	26.0000
%RSD		4.702	9.011	3.630	ID 2.671	20.800	0.530	3.170	37.611

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	20:52:53	37.5001	167.5017	87.5005	237.5034	24.1667	933.3856	74.1670	64.1669
2	20:53:30	52.5002	165.0016	70.0003	290.0051	17.5000	912.5500	68.3336	70.8336
3	20:54:07	37.5001	155.0014	75.0003	280.0047	15.0000	970.0565	53.3335	59.1669
4	20:54:43	40.0001	152.5014	100.0006	257.5040	14.1667	975.8905	65.0003	67.5003
5	20:55:20	22.5000	165.0016	72.5003	280.0047	19.1667	921.7176	56.6669	63.3336
x		38.0001	161.0016	81.0004	269.0044	18.0000	942.7200	63.5002	65.0003
%RSD		28.067	4.195	15.524	7.902	22.106	3.040	13.396	6.784

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	20:52:53	1249938.5000	46.2501	2.5000	23.7500	3.7500	11.2500	1386311.7000	15.0000
2	20:53:30	1280861.2000	35.0001	2.5000	23.7500	0.0000	2.5000	1441483.0000	22.5000
3	20:54:07	1300642.7000	41.2501	10.0000	23.7500	1.2500	5.0000	1457075.5000	20.0000
4	20:54:43	1302156.6000	72.5003	2.5000	41.2501	2.5000	10.0000	1465093.4000	10.0000
5	20:55:20	1303696.9000	50.0001	10.0000	38.7501	1.2500	8.7500	1469822.8000	17.5000
x		1287459.2000	49.0002	5.5000	30.2501	1.7500	7.5000	1443957.3000	17.0000
%RSD		1.782	29.164	74.689	29.568	81.441	48.591	2.353	28.287

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	20:52:53	50.0001	2.5000	2.5000	T 2167763.1000	57.5002	152.5014	62.5002	70.0003
2	20:53:30	55.0002	2.5000	2.5000	T 2252243.1000	62.5002	148.7513	67.5003	45.0001
3	20:54:07	45.0001	0.0000	5.0000	T 2262145.6000	55.0002	162.5016	72.5003	37.5001
4	20:54:43	67.5003	12.5000	5.0000	T 2272454.1000	68.7503	145.0013	60.0002	62.5002
5	20:55:20	60.0002	0.0000	7.5000	T 2278173.2000	72.5003	183.7520	72.5003	55.0002
x		55.5002	3.5000	4.5000	T 2246555.8000	63.2502	158.5015	67.0003	54.0002
%RSD		15.734	148.117	46.481	T 2.010	11.658	9.809	8.509	24.190

Run	Time	208Pb	209Bi	220Bkg
1	20:52:53	137.5011	1418134.1000	0.0000
2	20:53:30	127.5010	1468131.1000	0.0000
3	20:54:07	150.0014	1484997.1000	0.0000
4	20:54:43	120.0009	1497292.4000	0.0000
5	20:55:20	137.5011	1496170.0000	0.0000
x		134.5011	1472945.0000	0.0000
%RSD		8.457	2.227	0.000

S2 07/02/2008 20:57:39

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	20:58:16	251168.9500	1105.9067	1755.1848	240.0035	310.0058	6840.3062	625.0234	697390.4600
2	20:58:52	252809.1200	1123.4091	2135.2735	375.0084	370.0082	6665.1644	670.0269	713473.8900
3	20:59:29	256490.7600	1200.0864	2210.2931	410.0101	385.0089	6932.8827	705.0298	725906.8900
4	21:00:06	260753.3600	1188.4181	2820.4772	280.0047	400.0096	6995.4349	675.0273	735488.6100
5	21:00:42	263153.7400	1190.0850	2545.3887	400.0096	405.0098	7042.9750	647.5252	743379.8200
x		256875.1900	1161.5810	2293.3235	341.0073	374.0085	6895.3526	664.5265	723127.9300
%RSD		1.982	3.746	17.751	22.392	10.243	2.166	4.534	2.518

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	20:58:16	460.0127	7248.1508	8206.5388	ID 4043.4807	8391.7231	182478.7700	1785.1912	7918.7606
2	20:58:52	400.0096	7103.0259	8434.2661	ID 3923.4234	8386.7181	186140.9500	1732.6801	8326.6579
3	20:59:29	350.0074	7410.7937	8319.1504	ID 4158.5373	8957.3114	186915.5000	1745.1827	8601.9373
4	21:00:06	395.0094	7373.2605	8236.5685	ID 4008.4638	8929.7819	190277.8200	1827.7004	8224.0561
5	21:00:42	297.5053	7305.7010	8641.9787	ID 4025.9723	8694.5333	191502.9100	1840.2032	8466.7990
x		380.5089	7288.1864	8367.7005	ID 4031.9755	8672.0136	187463.1900	1786.1915	8307.6422
%RSD		15.949	1.659	2.114	ID 2.094	3.201	1.907	2.683	3.130

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	20:58:16	1760.1859	4561.2480	2307.8195	1802.6950	1159.2473	1267.5964	170.8351	56.6669
2	20:58:52	2010.2424	4796.3799	2392.8435	1940.2258	1172.5825	1178.4166	167.5017	56.6669
3	20:59:29	2025.2461	4791.3770	2487.8713	1862.7082	1173.4159	1260.9287	206.6692	76.6670
4	21:00:06	2002.7406	4923.9543	2442.8580	1997.7394	1265.9295	1220.9228	192.5022	56.6669
5	21:00:42	2052.7528	4868.9220	2510.3781	1895.2155	1215.9220	1243.4261	211.6694	56.6669
x		1970.2336	4788.3762	2428.3541	1899.7168	1197.4194	1234.2581	189.8355	60.6669
%RSD		6.038	2.889	3.337	3.909	3.661	2.922	10.624	14.743

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	20:58:16	1167802.8000	5853.3049	112.5008	5782.0052	1177.5832	2774.2117	1287644.6000	7.5000
2	20:58:52	1214626.2000	6296.1276	87.5005	6109.7389	1253.8443	2910.5082	1350007.4000	10.0000
3	20:59:29	1242675.5000	6236.0825	127.5010	6084.7206	1295.1006	2928.0143	1384607.7000	12.5000
4	21:00:06	1254669.1000	6279.8653	90.0005	6137.2591	1362.6114	2901.7551	1401539.0000	22.5000
5	21:00:42	1268155.1000	6473.7636	95.0005	6157.2739	1253.8443	3014.2951	1423372.2000	27.5000
x		1229585.8000	6227.8288	102.5006	6054.1995	1268.5968	2905.7569	1369434.2000	16.0000
%RSD		3.235	3.663	16.632	2.554	5.326	2.961	3.870	53.674

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	20:58:16	3163.1002	787.5372	1330.1061	1916569.0000	4414.9192	10883.3520	3688.3160	3093.0739
2	20:58:52	3380.6856	787.5372	1352.6098	T 2072639.1000	4643.7935	11376.5100	4010.9650	3110.5804
3	20:59:29	3363.1785	870.0454	1417.6206	T 2133995.7000	4835.1523	11743.2680	4103.5101	3228.1251
4	21:00:06	3563.2616	855.0439	1450.1262	T 2170251.9000	4986.4915	11924.7760	4033.4759	3368.1805
5	21:00:42	3755.8462	820.0404	1350.1094	T 2194964.0000	5007.7542	12171.3820	4226.0713	3403.1948
x		3445.2144	824.0408	1380.1144	T 2097684.0000	4777.6221	11619.8580	4012.4677	3240.6310
%RSD		6.505	4.604	3.706	T 5.302	5.226	4.333	4.976	4.406

Run	Time	208Pb	209Bi	220Bkg
1	20:58:16	7503.3765	1284784.5000	0.0000
2	20:58:52	7946.2868	1352118.4000	0.0000
3	20:59:29	8176.5094	1398104.9000	0.0000
4	21:00:06	8186.5192	1420892.6000	0.0000
5	21:00:42	8556.8910	1437875.9000	0.0000
x		8073.9166	1378755.3000	0.0000
%RSD		4.790	4.469	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	21:03:38	250834.0900	2740.4505	4196.0561	485.0141	710.0303	19745.8660	855.0439	696911.5200
2	21:04:15	252669.1300	2842.9849	4196.0561	585.0205	730.0320	20247.0670	810.0394	709819.4700
3	21:04:52	255453.7900	2867.9934	4796.3799	730.0320	810.0394	19813.5270	825.0408	721561.4800
4	21:05:28	254311.3000	2792.1343	4801.3828	720.0311	870.0454	20402.4450	842.5426	730257.1900
5	21:06:05	258589.1400	2802.1377	4911.4469	815.0399	805.0389	20362.3470	920.0508	732958.3300
x		254371.4900	2809.1402	4580.2644	667.0275	785.0372	20114.2500	850.5435	718301.6000
%RSD		1.152	1.750	7.723	19.625	8.281	1.549	4.990	2.086

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	21:03:38	397.5095	16431.1830	17748.8810	ID 3925.9246	20838.5220	183858.6100	1995.2388	19770.9260
2	21:04:15	352.5075	17112.5520	18029.4830	ID 4073.4954	20753.3100	187360.3200	1880.2121	20738.2720
3	21:04:52	332.5066	17558.4790	17919.2450	ID 4346.1330	21462.6030	189886.5400	1815.1977	20951.3040
4	21:05:28	302.5055	17718.8170	17919.2450	ID 4278.5981	21535.2900	191282.9400	1792.6928	21066.5940
5	21:06:05	307.5057	17510.8790	18342.6650	ID 4338.6291	22001.5060	191620.5600	1812.6971	21018.9740
x		338.5070	17266.3820	17991.9040	ID 4192.5560	21318.2460	188801.8000	1859.2077	20709.2140
%RSD		11.413	2.997	1.224	ID 4.424	2.442	1.712	4.457	2.604

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	21:03:38	4696.3230	11467.8850	5641.9092	3813.3723	2777.9629	1675.1684	375.8418	58.3335
2	21:04:15	4618.7796	11755.7860	5827.0365	3953.4376	2958.8585	1665.1664	336.6735	75.0003
3	21:04:52	4858.9161	11931.0350	5554.3504	3818.3746	3036.3864	1696.0059	367.5081	55.8335
4	21:05:28	4941.4647	12319.0990	5959.6303	3880.9035	2998.8728	1719.3440	363.3413	59.1669
5	21:06:05	5011.5065	12126.3160	5922.1035	3933.4281	3040.5546	1684.3369	377.5086	65.8336
x		4825.3980	11920.0240	5781.0060	3879.9032	2962.5271	1688.0043	364.1746	62.8336
%RSD		3.414	2.761	3.054	1.655	3.657	1.238	4.516	12.321

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	21:03:38	1155493.5000	14447.5130	210.0027	14379.8960	2910.5082	6926.6275	1277606.2000	22.5000
2	21:04:15	1196426.2000	15076.1250	220.0029	14750.5430	3123.0851	7333.2252	1321388.1000	12.5000
3	21:04:52	1225176.1000	15455.5690	250.0038	15048.5750	2988.0356	7335.7274	1361873.2000	20.0000
4	21:05:28	1242837.2000	15781.1790	220.0029	15459.3260	3255.6358	7522.1434	1390181.4000	12.5000
5	21:06:05	1267764.3000	16140.6160	232.5032	15840.0400	3305.6555	7562.1796	1404512.9000	17.5000
x		1217539.5000	15380.2000	226.5031	15095.6760	3116.5840	7335.9806	1351112.4000	17.0000
%RSD		3.560	4.247	6.786	3.805	5.420	3.431	3.842	26.307

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	21:03:38	7918.7606	1927.7229	3400.6937	T 1941417.9000	11069.8480	26315.2340	9397.7961	7290.6879
2	21:04:15	8171.5044	1877.7115	3440.7102	T 2032534.9000	11570.5270	27831.3980	9580.5040	7713.5683
3	21:04:52	8496.8296	2037.7491	3710.8260	T 2101640.5000	12046.2000	28462.2730	10048.5550	8086.4215
4	21:05:28	8999.8572	2150.2774	3713.3271	T 2150517.5000	12246.4920	29212.3620	10346.4190	8174.0069
5	21:06:05	8902.2525	2317.8223	3770.8530	T 2186738.4000	12525.6560	29791.9080	10586.7200	8301.6330
x		8497.8409	2062.2567	3607.2820	T 2082569.9000	11891.7450	28322.6350	9991.9989	7913.2635
%RSD		5.448	8.600	4.784	T 4.696	4.849	4.750	5.016	5.196

Run	Time	208Pb	209Bi	220Bkg
1	21:03:38	18670.8930	1258852.8000	0.0000
2	21:04:15	19633.1000	1317905.9000	0.0000
3	21:04:52	20425.0000	1367533.9000	0.0000
4	21:05:28	20675.6170	1399313.6000	0.0000
5	21:06:05	21344.8010	1431173.1000	0.0000
x		20149.8820	1354955.8000	0.0000
%RSD		5.106	5.025	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	21:09:00	252700.0500	5495.1445	7868.7132	1140.0780	1185.0843	27781.2310	950.0542	713596.2300
2	21:09:37	259433.1000	5607.7195	8224.0561	1240.0923	1410.1193	28330.5760	955.0547	736479.3900
3	21:10:14	263472.7600	5701.1162	8814.6594	1360.1110	1455.1270	28626.5850	1030.0637	743251.6100
4	21:10:50	259644.5400	5632.7364	9220.0978	1425.1218	1545.1432	29625.0650	1067.5684	748437.6200
5	21:11:27	263718.6900	5749.4827	9215.0923	1210.0879	1370.1126	29745.4930	1065.0681	754011.8200
x		259793.8300	5637.2398	8668.5238	1275.0982	1393.1173	28821.7900	1013.5618	739155.3300
%RSD		1.715	1.724	6.973	9.063	9.567	2.934	5.689	2.122

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	21:09:00	412.5102	33770.7900	33735.6480	ID 4698.8244	41334.7600	196929.7100	2037.7491	41194.0660
2	21:09:37	375.0084	34777.4170	33979.1340	ID 5176.6073	43181.5900	201171.7400	1840.2032	41734.2440
3	21:10:14	292.5051	35146.4600	34960.6810	ID 4988.9930	43327.3430	199988.7800	2020.2449	42131.2340
4	21:10:50	375.0084	36286.3300	35093.7390	ID 5016.5095	43759.5930	202864.5500	1867.7093	42020.6780
5	21:11:27	320.0061	35500.4560	35751.5260	ID 4953.9721	44852.8830	203942.8900	2000.2400	42995.6320
x		355.0077	35096.2910	34704.1460	ID 4966.9812	43291.2340	200979.5300	1953.2293	42015.1710
%RSD		13.537	2.643	2.401	ID 3.472	2.944	1.357	4.716	1.564

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	21:09:00	9119.9877	23177.1860	10934.6690	7100.5238	5762.8253	2405.3471	691.6954	61.6669
2	21:09:37	9855.8248	23625.9440	11573.0310	7315.7098	5937.9481	2467.8654	670.8603	55.8335
3	21:10:14	9670.6080	24591.2300	11387.7760	7378.2649	6038.8539	2459.5296	723.3647	65.0003
4	21:10:50	9680.6196	23811.4710	11850.9210	7300.6966	6083.8867	2487.8713	677.5275	56.6669
5	21:11:27	10088.6030	24636.3630	11795.8430	7568.4353	6233.9976	2522.0483	741.6997	73.3337
x		9683.1286	23968.4390	11508.4480	7332.7261	6011.5023	2468.5323	701.0295	62.5002
%RSD		3.693	2.640	3.216	2.291	2.914	1.732	4.340	11.392

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	21:09:00	1215446.3000	30321.3130	390.0091	29798.1810	6128.5027	14503.8610	1357922.0000	25.0000
2	21:09:37	1262644.9000	31639.9510	485.0141	30504.4790	6555.0771	15252.6960	1414452.5000	12.5000
3	21:10:14	1292749.3000	31880.8670	455.0124	31351.3640	6480.0185	15685.9990	1448311.5000	30.0001
4	21:10:50	1300854.8000	32253.5470	462.5128	31796.7970	6772.7511	15669.7190	1463146.6000	25.0000
5	21:11:27	1307644.6000	32765.5380	432.5112	32001.3270	6502.5360	15952.7550	1468798.6000	25.0000
x		1275868.0000	31772.2430	445.0119	31090.4300	6487.7771	15413.0060	1430526.3000	23.5000
%RSD		2.970	2.882	8.093	2.970	3.574	3.676	3.199	27.741

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	21:09:00	16801.9210	3985.9530	7083.0089	2014795.7000	23370.2240	56412.8000	19903.7410	15850.0590
2	21:09:37	17488.3310	4371.1461	6952.8994	T 2192951.8000	24611.2890	58996.8510	21056.5690	16335.9960
3	21:10:14	17844.0840	4361.1409	7953.7940	T 2238386.7000	25589.2280	61552.7380	21342.2950	17097.5220
4	21:10:50	18721.0050	4406.1645	7535.9059	T 2280785.6000	25628.0970	62124.4570	22219.5830	17608.5840
5	21:11:27	18277.5220	4308.6136	7821.1685	T 2294147.8000	26234.9820	62052.6750	22004.0120	17934.2780
x		17826.5730	4286.6036	7469.3553	T 2204213.5000	25086.7640	60227.9040	21305.2400	16965.2880
%RSD		4.130	4.005	5.908	T 5.129	4.473	4.130	4.297	5.113

Run	Time	208Pb	209Bi	220Bkg
1	21:09:00	39428.0540	1360524.8000	0.0000
2	21:09:37	42244.3040	1430293.2000	0.0000
3	21:10:14	42553.3710	1478232.7000	0.0000
4	21:10:50	43704.3040	1509788.6000	2.5000
5	21:11:27	43930.4890	1514923.7000	2.5000
x		42372.1040	1458752.6000	1.0000
%RSD		4.242	4.416	136.931

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	21:14:24	252335.0700	27271.2170	34872.8140	4916.4499	5761.9913	126023.2600	1585.1507	694068.3000
2	21:15:00	253775.3300	27634.0760	36293.8630	5116.5703	5596.8789	129925.0000	1790.1923	704960.6100
3	21:15:37	252604.7200	27945.9470	38579.0950	5211.6292	5771.9983	131009.2700	2017.7442	715321.3900
4	21:16:14	252526.5700	27992.7700	38523.8400	5376.7340	6292.3747	129183.6000	1905.2178	718655.7700
5	21:16:50	252365.1200	27910.8290	38247.5720	5576.8655	6222.3222	130628.3600	1802.6950	718921.0000
x		252721.3600	27750.9680	37303.4370	5239.6497	5929.1131	129353.9000	1820.2000	710385.4100
%RSD		0.237	1.090	4.432	4.799	5.205	1.537	8.803	1.512

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	21:14:24	422.5107	166499.3700	159114.6800	ID 8466.7990	203453.6500	237388.7200	3198.1136	203445.9700
2	21:15:00	372.5083	168963.2200	161752.2400	ID 8777.1198	206712.3900	240686.3100	3228.1251	204012.0600
3	21:15:37	340.0069	169404.5500	161660.4800	ID 8979.8356	207565.7100	243256.8600	3150.5955	207140.3200
4	21:16:14	332.5066	170159.7000	162305.3400	ID 9022.3816	208660.0400	243385.5400	3165.6011	206663.7100
5	21:16:50	352.5075	170197.9700	162906.9100	ID 9037.3978	210254.3700	241620.2700	3155.5974	207821.9800
x		364.0080	169044.9600	161547.9300	ID 8856.7068	207329.2300	241267.5400	3179.6065	205816.8100
%RSD		9.901	0.897	0.897	ID 2.729	1.225	1.014	1.032	0.952

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	21:14:24	46077.0340	112005.1900	54555.4950	32194.5700	28296.2930	8412.5775	3037.2200	64.1669
2	21:15:00	47429.5910	114004.5200	54817.2050	32370.2480	28871.5940	8324.1554	3142.2590	49.1668
3	21:15:37	47228.4530	116176.7200	56468.1730	33201.0070	29571.5420	8426.7585	3085.5711	60.0002
4	21:16:14	46886.5310	117056.4000	55526.8800	33062.9600	29272.9910	8335.8337	3160.5992	65.8336
5	21:16:50	47401.9340	114977.7600	55972.3450	33504.7190	29359.1270	8361.6930	3232.2934	45.0001
x		47004.7090	114844.1200	55468.0200	32866.7010	29074.3090	8372.2036	3131.5886	56.8335
%RSD		1.195	1.711	1.429	1.705	1.732	0.546	2.375	16.308

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	21:14:24	1178194.5000	147810.6000	1970.2329	144196.8600	30623.6650	70897.8120	1305661.8000	27.5000
2	21:15:00	1210330.8000	152742.1000	2117.7691	149236.9400	31173.1970	73056.3360	1356518.6000	30.0001
3	21:15:37	1224965.8000	154700.2200	2257.8058	151176.4300	31711.4720	74575.9580	1377572.1000	27.5000
4	21:16:14	1232563.4000	153920.9900	2192.7885	151353.3500	31927.2940	75315.0600	1384540.2000	32.5001
5	21:16:50	1243977.5000	156123.9100	2025.2461	152362.7500	31993.7990	75982.3270	1384716.2000	25.0000
x		1218006.4000	153059.5700	2112.7685	149665.2700	31485.8860	73965.4990	1361801.8000	28.5000
%RSD		2.085	2.078	5.572	2.178	1.842	2.746	2.455	10.002

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	21:14:24	81153.2360	20021.5230	34624.2810	T 2015660.1000	114202.2000	273317.3200	95567.3630	75800.6840
2	21:15:00	84124.9880	20329.7680	35518.0310	T 2087801.8000	117822.0800	283302.6300	99788.9140	79176.8600
3	21:15:37	87747.0530	21119.2270	36115.5910	T 2128011.9000	120149.9600	290048.8600	103154.5200	80951.2860
4	21:16:14	87221.5800	20505.1970	36743.3260	T 2146704.8000	121103.6200	293492.5900	102415.4900	82359.9890
5	21:16:50	89551.0920	21154.3160	36085.4610	T 2162838.3000	122605.3400	296843.1900	103541.7800	82099.9420
x		85959.5900	20626.0060	35817.3380	T 2108203.4000	119176.6400	287400.9200	100893.6200	80077.7520
%RSD		3.865	2.412	2.221	T 2.790	2.751	3.247	3.288	3.372

Run	Time	208Pb	209Bi	220Bkg
1	21:14:24	192835.6200	1309499.9000	0.0000
2	21:15:00	202421.4700	1374265.8000	0.0000
3	21:15:37	205748.9900	1398870.1000	0.0000
4	21:16:14	207071.1400	1416998.0000	0.0000
5	21:16:50	208821.5100	1415592.7000	0.0000
x		203379.7400	1383045.3000	0.0000
%RSD		3.119	3.223	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	21:19:47	237975.9500	107221.2100	132688.0200	18896.4000	21267.1030	485502.4400	4873.9249	661843.3800
2	21:20:23	241264.3400	107206.0100	135426.5500	19011.6620	21978.9460	492002.5300	4856.4147	667189.2100
3	21:21:00	242227.5200	107419.5700	137515.3400	20069.1370	22390.0380	488547.9200	4953.9721	670302.2600
4	21:21:37	243158.2100	108291.5800	138384.5600	19988.9450	23267.4370	494875.3700	5084.0504	674764.1800
5	21:22:13	245393.1400	107555.4700	141058.8400	20044.0770	23187.2140	495267.6800	5261.6606	680154.5500
x		242003.8300	107538.7700	137014.6600	19602.0440	22418.1480	491239.1900	5006.0045	670850.7200
%RSD		1.125	0.414	2.300	3.029	3.753	0.853	3.372	1.045

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	21:19:47	487.5143	655073.5700	619673.8200	ID 22502.8420	804046.7800	394750.8700	7345.7362	801300.1800
2	21:20:23	330.0065	661892.0200	620526.3900	ID 23021.7560	810334.2600	397247.9300	7305.7010	805063.2400
3	21:21:00	272.5045	661332.6200	627909.8700	ID 23340.1400	818122.9200	399276.5100	7368.2560	811161.7500
4	21:21:37	312.5059	661867.7000	627629.9100	ID 23630.9580	827270.8100	401822.1000	7478.3540	813215.6900
5	21:22:13	272.5045	666698.4200	636191.4900	ID 23520.6460	822441.0300	404179.6000	7300.6966	812066.3000
x		335.0071	661372.8700	626386.2900	ID 23203.2680	816443.1600	399455.4000	7359.7488	808561.4300
%RSD		26.533	0.626	1.069	ID 1.958	1.141	0.928	0.978	0.636

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	21:19:47	179293.2400	445411.1300	213879.9000	123688.6700	110541.6700	29242.0490	11704.8810	60.0002
2	21:20:23	181702.0800	447018.8800	214433.8700	124153.0000	111970.5600	29879.3040	12005.3080	63.3336
3	21:21:00	181395.5000	452260.6600	216634.7000	126792.2900	113295.7900	29942.0280	12007.8120	57.5002
4	21:21:37	182455.7800	449341.4300	217979.0900	127584.2400	112861.6200	30227.2220	12085.4240	66.6669
5	21:22:13	182552.8700	449283.4200	218984.9500	127497.9400	114189.5300	29925.3020	12055.3800	54.1668
x		181479.8900	448663.1000	216382.5000	125943.2300	112571.8300	29843.1810	11971.7610	60.3336
%RSD		0.726	0.580	1.019	1.492	1.233	1.216	1.277	8.089

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	21:19:47	1120406.9000	584185.4400	7896.2393	568178.5600	116691.3300	276588.9000	1252287.6000	40.0001
2	21:20:23	1144517.3000	596498.4600	7656.0153	581057.7200	119896.3500	284294.3100	1284952.7000	50.0001
3	21:21:00	1160529.0000	606581.1900	8133.9677	589894.8500	122541.9200	289888.4200	1306545.6000	45.0001
4	21:21:37	1164860.6000	610002.9200	8439.2711	593784.5500	124117.4800	292914.0100	1324140.5000	37.5001
5	21:22:13	1180209.5000	614435.1900	8244.0759	601601.4200	124482.8700	297638.3100	1337521.2000	32.5001
x		1154104.6000	602340.6400	8073.9139	586903.4200	121545.9900	288264.7900	1301089.5000	41.0001
%RSD		1.969	2.011	3.778	2.184	2.682	2.819	2.587	16.475

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	21:19:47	319704.7400	76348.1480	133315.4200	1863205.5000	453330.2400	1104983.0000	379775.9900	301849.5400
2	21:20:23	331385.5300	78134.5920	136775.8200	1930354.0000	468116.2700	1142844.3000	395848.6500	314032.5600
3	21:21:00	337657.4100	80188.9690	139978.3400	T 2041007.6000	479127.6500	1170495.5000	405847.8100	321951.3000
4	21:21:37	344613.6700	80017.3310	140929.1700	2009762.1000	486017.4400	1186587.1000	414046.7400	327610.5800
5	21:22:13	350076.9600	81600.0680	143548.3100	2042593.8000	494324.0500	1205073.1000	417166.7100	331393.3300
x		336687.6600	79257.8210	138909.4100	T 1977384.6000	476183.1300	1161996.6000	402537.1800	319367.4600
%RSD		3.513	2.575	2.848	T 3.966	3.356	3.374	3.768	3.687

Run	Time	208Pb	209Bi	220Bkg
1	21:19:47	777172.7600	1270533.6000	2.5000
2	21:20:23	803972.6100	1324453.7000	0.0000
3	21:21:00	823327.4800	1349506.4000	0.0000
4	21:21:37	838099.3100	1375899.0000	0.0000
5	21:22:13	852501.1000	1392737.6000	0.0000
x		819014.6500	1342626.1000	0.5000
%RSD		3.602	3.571	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	21:25:11	237860.2200	264101.3600	339200.7300	47233.4820	54729.1280	1211346.2000	10819.5190	648086.4500
2	21:25:48	239551.8200	268440.0700	347653.6100	49290.3420	56032.7490	1241899.0000	11077.3580	664755.8100
3	21:26:24	240710.3300	264964.7900	358681.5200	50567.9630	57467.4700	1236869.4000	11600.5690	668265.5400
4	21:27:01	238425.1900	266254.0900	354122.6300	49727.9310	58524.7900	1245190.2000	11397.7890	672068.9000
5	21:27:38	239704.4500	267984.9300	358905.8800	51060.9550	58116.9510	1242912.2000	11605.5760	671345.1600
x		239250.4000	266349.0500	351712.8700	49576.1350	56974.2180	1235643.4000	11300.1620	664904.3700
%RSD		0.469	0.703	2.375	2.989	2.759	1.126	3.045	1.479

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	21:25:11	397.5095	T 1663732.4000	1582201.5000	ID 52114.9500	T 2052289.5000	749021.7700	15614.6150	T 2035973.6000
2	21:25:48	392.5092	T 1701577.3000	1622362.1000	ID 53005.5410	T 2080916.7000	764879.6900	16037.9180	T 2076078.5000
3	21:26:24	312.5059	T 1688975.2000	1618732.3000	ID 54130.2360	T 2105143.9000	780700.7800	16303.4330	T 2086380.0000
4	21:27:01	267.5043	T 1701964.3000	1625424.2000	ID 54404.5130	2143374.0000	780062.4500	16491.3020	T 2086829.2000
5	21:27:38	320.0061	T 1714463.2000	1636959.1000	ID 55227.4000	T 2150194.8000	783550.5200	16398.6190	T 2099564.8000
x		338.0070	T 1694142.5000	1617135.9000	ID 53776.5280	T 2106383.8000	771643.0400	16169.1770	T 2076965.2000
%RSD		16.509	T 1.136	1.279	ID 2.274	T 1.967	1.892	2.185	T 1.174

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	21:25:11	451511.6400	1131484.5000	539322.5900	309489.7600	277920.8900	72173.6950	29460.3160	73.3337
2	21:25:48	458593.0500	1147304.3000	548477.0600	317892.3500	283144.9100	73213.5400	30164.4950	74.1670
3	21:26:24	463733.6400	1157171.7000	552035.9100	321533.1100	286180.1600	73749.9050	30611.9560	53.3335
4	21:27:01	463958.1300	1158661.5000	552177.3300	323486.5700	288523.9400	74237.5400	30510.7520	68.3336
5	21:27:38	462901.7500	1162159.6000	554202.8800	322403.2800	288203.9800	75171.6910	30846.1500	64.1669
x		460139.6400	1151356.3000	549243.1600	318961.0100	284794.7700	73709.2740	30318.7340	66.6669
%RSD		1.150	1.077	1.077	1.786	1.545	1.520	1.777	12.717

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	21:25:11	1124223.2000	1527474.1000	20274.6340	1498006.5000	304432.2400	724153.7600	1267668.8000	35.0001
2	21:25:48	1156048.1000	1576695.8000	20923.7350	1541902.1000	312851.8700	744829.8700	1315949.9000	35.0001
3	21:26:24	1177566.8000	1605086.7000	21191.9120	1574332.8000	320748.7300	767330.3600	1337019.4000	42.5001
4	21:27:01	1188885.1000	1625531.1000	21638.0560	1584505.1000	322730.5900	774237.4900	1352908.8000	25.0000
5	21:27:38	1190721.7000	1630659.5000	21485.1610	1586999.8000	324922.0800	776121.2100	1364945.2000	37.5001
x		1167489.0000	1593089.5000	21102.6990	1557149.3000	317137.1000	757334.5400	1327698.4000	35.0001
%RSD		2.385	2.660	2.550	2.417	2.660	2.950	2.881	18.211

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	21:25:11	847110.7700	197615.6600	347906.3300	1923287.9000	1215667.9000	3044863.8000	1017079.8000	803357.3100
2	21:25:48	885073.7100	204665.2800	362470.2900	T 2072780.3000	1271686.2000	3215305.6000	1066993.5000	843095.0300
3	21:26:24	909664.7900	208644.6600	369721.1300	T 2121516.1000	1316027.0000	3307848.6000	1102557.2000	871753.3000
4	21:27:01	921906.8400	211792.5900	373794.4400	2087356.5000	1328525.7000	T 3273098.8000	1123408.6000	891036.7700
5	21:27:38	920353.3800	211408.0100	377273.5800	T 2180595.7000	1345073.0000	3408372.8000	1132847.4000	899011.4000
x		896821.9000	206825.2400	366233.1600	T 2077107.3000	1295396.0000	T 3249897.9000	1088577.3000	861650.7600
%RSD		3.507	2.845	3.176	T 4.597	4.032	T 4.135	4.344	4.534

Run	Time	208Pb	209Bi	220Bkg
1	21:25:11	2104696.9000	1318789.4000	0.0000
2	21:25:48	2215286.4000	1384505.0000	0.0000
3	21:26:24	2294423.7000	1431171.6000	0.0000
4	21:27:01	2334436.6000	1448064.9000	2.5000
5	21:27:38	2351950.6000	1454449.2000	0.0000
x		2260158.9000	1407396.0000	0.5000
%RSD		4.496	4.021	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	21:30:35	231062.9300	498551.7500	622594.9600	88118.4410	99470.1360	T 2249170.4000	20196.9450	619062.0100
2	21:31:11	231457.8400	498952.1800	639538.7100	89169.5340	102086.4900	T 2275651.3000	20575.3690	629716.3300
3	21:31:48	233850.7700	504574.3400	651639.3600	90852.5660	104911.2500	T 2268784.1000	21229.5070	631970.2400
4	21:32:24	232276.8200	505372.2500	655392.2200	89730.5070	105549.2300	T 2279434.3000	20831.0030	630358.5200
5	21:33:01	233030.7700	500188.0700	652605.7700	91681.5720	104242.9400	T 2271205.7000	20966.3420	628577.4900
x		232335.8300	501527.7200	644354.2000	89910.5240	103252.0100	T 2268849.1000	20759.8330	627936.9200
%RSD		0.489	0.641	2.110	1.555	2.405	T 0.517	1.895	0.814

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	21:30:35	375.0084	T 3097544.5000	T 2915869.1000	ID 93903.6090	T 3816203.8000	1262572.5000	28117.3550	T 3785243.9000
2	21:31:11	350.0074	T 3143696.2000	T 2965529.8000	ID 96748.3740	T 3881635.4000	1295803.6000	28802.1880	T 3840779.3000
3	21:31:48	322.5062	T 3154724.7000	T 2967559.5000	ID 96897.5920	T 3900314.3000	1316383.6000	28849.8530	T 3873407.9000
4	21:32:24	262.5041	T 3149900.5000	T 2961083.2000	ID 97464.1420	T 3934932.6000	1312830.5000	28847.3440	T 3862295.1000
5	21:33:01	252.5038	T 3160245.3000	T 2949118.7000	ID 98228.0330	T 3934033.3000	1317405.2000	29241.2130	T 3872813.9000
x		312.5060	T 3141222.3000	T 2951832.1000	ID 96648.3500	T 3893423.9000	1300999.1000	28771.5910	T 3846908.0000
%RSD		17.168	T 0.801	T 0.723	ID 1.698	T 1.253	1.782	1.413	T 0.960

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	21:30:35	854655.9500	T 2135378.8000	1022085.3000	584204.1900	523702.0000	134061.4100	55036.9790	80.8337
2	21:31:11	870023.2500	T 2171928.0000	1036046.9000	590701.6000	531522.0600	136040.6000	55803.7200	72.5003
3	21:31:48	870061.9900	T 2178216.4000	1039866.6000	598778.5900	535571.0300	137119.7400	56192.1500	63.3336
4	21:32:24	867701.3500	T 2164274.6000	1046344.8000	600246.2400	535170.6600	137158.7000	56622.5490	69.1670
5	21:33:01	866486.6900	T 2174627.4000	1041593.7000	601555.8000	535353.5300	136518.3200	55583.9250	75.0003
x		865785.8500	T 2164885.1000	1037187.4000	595097.2800	532263.8600	136179.7500	55847.8650	72.1670
%RSD		0.740	T 0.798	0.889	1.246	0.952	0.933	1.077	9.041

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	21:30:35	1064800.3000	T 2864312.0000	37639.8140	T 2788421.5000	566993.0000	1364310.3000	1200200.6000	42.5001
2	21:31:11	1089571.6000	T 2921752.9000	38727.2800	T 2860579.1000	584384.9800	1410003.3000	1230830.6000	40.0001
3	21:31:48	1108029.2000	T 2977577.0000	38631.8380	T 2902222.3000	595479.3000	1440425.0000	1257323.1000	37.5001
4	21:32:24	1109320.2000	T 2978740.0000	39714.4090	T 2917043.8000	598758.4700	1444633.8000	1271974.3000	35.0001
5	21:33:01	1108674.7000	T 2980653.6000	39104.0330	T 2931699.4000	599032.1200	1452300.9000	1270286.0000	25.0000
x		1096079.2000	T 2944607.1000	38763.4750	T 2879993.2000	588929.5800	1422334.7000	1246122.9000	36.0001
%RSD		1.765	T 1.742	1.957	T 2.002	2.315	2.545	2.447	18.763

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	21:30:35	M 1612255.8000	370551.8400	654017.7900	1817137.2000	2341732.6000	T 5580794.8000	T 1967131.3000	1530270.5000
2	21:31:11	M 1676010.8000	380288.5900	675255.4300	1890247.1000	2456380.2000	T 5826849.0000	T 2050021.1000	1610872.7000
3	21:31:48	M 1720546.7000	388486.5400	687023.9300	1927935.8000	2510831.7000	T 5979532.3000	T 2103606.8000	1656485.3000
4	21:32:24	M 1728863.4000	392139.3000	693246.4300	1956621.3000	2551416.8000	T 6058864.5000	T 2126849.9000	1676029.0000
5	21:33:01	M 1729034.0000	388968.2500	692272.7700	1950208.9000	2554999.1000	T 6065352.7000	T 2131532.5000	1674272.8000
x		M 1693342.1000	384086.9100	680363.2700	1908430.1000	2483072.1000	T 5902278.7000	T 2075828.3000	1629586.1000
%RSD		M 2.975	2.276	2.407	3.000	3.563	T 3.453	T 3.317	3.769

Run	Time	208Pb	209Bi	220Bkg
1	21:30:35	T 3872839.8000	1244862.5000	5.0000
2	21:31:11	T 4054827.8000	1307147.4000	0.0000
3	21:31:48	T 4183103.6000	1343181.2000	0.0000
4	21:32:24	T 4207292.0000	1350880.9000	0.0000
5	21:33:01	T 4240869.2000	1357951.3000	0.0000
x		T 4111786.5000	1320804.7000	1.0000
%RSD		T 3.672	3.539	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	21:35:59	237836.2100	360.0078	961526.2600	131372.4200	150944.7900	3893.4093	30400.3500	632449.6400
2	21:36:35	240757.4900	414.1770	1002004.5000	137932.1500	158095.5600	4608.7741	31471.8170	654486.2600
3	21:37:12	243005.5200	409.1767	1024138.4000	141796.1900	163049.6600	4623.7824	31522.0060	658628.0100
4	21:37:49	244602.0500	417.5105	1050338.5000	143525.4200	164548.6900	4621.2810	32844.5990	664896.3900
5	21:38:25	247596.9100	380.8420	1064514.5000	146776.3100	167884.2400	4473.7005	31795.5420	677161.1400
x		242759.6400	396.3428	1020504.4000	140280.5000	160904.5900	4444.1895	31606.8630	657524.2900
%RSD		1.529	6.297	3.999	4.216	4.095	7.070	2.762	2.498

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	21:35:59	402.5097	1557.6456	3385.6876	ID 99497.9660	3153.0964	1870192.0000	41472.9440	2995.5383
2	21:36:35	355.0076	1790.1923	3520.7436	ID 103134.2800	3438.2091	1953341.2000	42711.6770	3080.5693
3	21:37:12	255.0039	1867.7093	3758.3473	ID 104620.1300	3265.6397	1980624.9000	43086.0980	3035.5528
4	21:37:49	292.5051	1745.1827	3478.2257	ID 106250.5600	3270.6417	2030321.9000	43885.2510	3100.5767
5	21:38:25	275.0045	1772.6885	3648.2984	ID 108180.1500	3478.2257	T 1987413.5000	44998.6660	2985.5347
x		316.0062	1746.6837	3558.2605	ID 104336.6200	3321.1625	T 1964378.7000	43230.9270	3039.5544
%RSD		19.352	6.587	4.114	ID 3.156	4.047	T 3.026	3.046	1.668

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	21:35:59	707.5300	1682.6699	862.5446	910.0497	196.6690	855.8773	73.3337	60.0002
2	21:36:35	710.0303	1840.2032	812.5396	1122.5756	214.1694	796.7048	73.3337	60.0002
3	21:37:12	797.5382	1725.1786	912.5500	1027.5633	230.0032	821.7072	81.6671	48.3335
4	21:37:49	967.5562	1742.6822	785.0370	1085.0706	204.1692	877.5462	74.1670	47.5001
5	21:38:25	682.5280	1765.1869	875.0459	1080.0700	226.6698	889.2141	80.8337	59.1669
x		773.0365	1751.1841	849.5434	1045.0659	214.3361	848.2099	76.6670	55.0002
%RSD		15.154	3.325	5.979	7.915	6.652	4.549	5.489	11.785

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	21:35:59	1082749.9000	528.7668	27.5000	470.0133	428.7610	886.2971	1207334.2000	7.5000
2	21:36:35	1120261.7000	555.0185	22.5000	573.7698	431.2612	1051.3163	1259694.4000	25.0000
3	21:37:12	1144106.2000	626.2735	52.5002	560.0188	457.5126	1050.0662	1288024.7000	25.0000
4	21:37:49	1153349.8000	600.0216	30.0001	587.5207	447.5120	1103.8231	1311858.8000	25.0000
5	21:38:25	1181035.1000	556.2686	57.5002	548.7681	471.2633	1076.3195	1329644.9000	10.0000
x		1136300.5000	573.2698	38.0001	548.0181	447.2620	1033.5644	1279311.4000	18.5000
%RSD		3.257	6.827	41.713	8.388	3.999	8.244	3.756	48.347

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	21:35:59	3140.5917	227.5031	540.0175	1827231.3000	1631.4097	4186.0511	1385.1151	1185.0843
2	21:36:35	3528.2468	280.0047	522.5164	1906259.2000	1727.6791	4229.8232	1480.1314	1242.5926
3	21:37:12	3383.1866	275.0045	560.0188	1942339.2000	1828.9507	4312.3655	1657.6649	1257.5949
4	21:37:49	3253.1348	300.0054	595.0212	1982314.9000	1768.9377	4352.3863	1557.6456	1305.1022
5	21:38:25	2960.5258	305.0056	562.5190	T 2069814.9000	1925.2224	4416.1698	1545.1432	1305.1022
x		3253.1371	277.5047	556.0186	T 1945591.9000	1776.4399	4299.3592	1525.1400	1259.0952
%RSD		6.715	11.071	4.891	T 4.622	6.190	2.154	6.610	3.968

Run	Time	208Pb	209Bi	220Bkg
1	21:35:59	2943.0196	1252881.5000	0.0000
2	21:36:35	3120.5842	1309142.2000	0.0000
3	21:37:12	3258.1368	1334268.9000	0.0000
4	21:37:49	3180.6069	1360450.2000	0.0000
5	21:38:25	3298.1525	1382987.5000	0.0000
x		3160.1000	1327946.1000	0.0000
%RSD		4.413	3.787	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	21:41:23	243619.7300	29.1667	T 1337897.2000	183385.8600	210556.8700	4926.4558	41191.5540	656945.1400
2	21:42:00	245183.7800	50.8335	1387989.6000	188099.1900	217414.6300	5249.1527	42287.0200	671219.3500
3	21:42:37	248303.3000	50.8335	1422126.4000	195665.4400	223143.1000	5949.6231	43417.8130	681237.9000
4	21:43:13	248250.0800	58.3335	T 1448296.9000	200401.0000	226918.0100	5847.0506	43510.7960	693063.3500
5	21:43:50	249384.8900	39.1668	1466300.6000	201486.7200	233038.4800	5654.4177	44523.6240	696287.4500
x		246948.3600	45.6668	T 1412522.2000	193807.6400	222214.2200	5525.3400	42986.1610	679750.6400
%RSD		0.985	25.167	T 3.616	4.055	3.891	7.759	2.973	2.379

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	21:41:23	395.0094	252.5038	2265.3079	ID 134473.8100	557.5187	T 2432674.4000	56135.9400	320.0061
2	21:42:00	357.5077	277.5046	2202.7911	ID 139813.1100	535.0172	T 2520622.0000	57545.5050	402.5097
3	21:42:37	310.0058	335.0067	2943.0196	ID 144362.1900	697.5292	T 2568480.4000	59718.2120	425.0108
4	21:43:13	332.5066	352.5075	2370.3371	ID 146130.1000	700.0294	T 2632331.7000	60360.3130	457.5126
5	21:43:50	280.0047	282.5048	2320.3230	ID 147916.2000	607.5221	T 2641758.9000	60252.0340	415.0103
x		335.0068	300.0055	2420.3557	ID 142539.0800	619.5233	T 2559173.5000	58802.4010	404.0099
%RSD		13.150	13.994	12.344	ID 3.804	12.424	T 3.370	3.188	12.672

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	21:41:23	205.0025	640.0246	280.0047	755.0342	176.6685	850.0434	52.5002	45.0001
2	21:42:00	182.5020	552.5183	322.5062	737.5326	184.1687	832.5416	75.0003	53.3335
3	21:42:37	187.5021	700.0294	292.5051	760.0347	173.3351	850.8768	79.1670	55.0002
4	21:43:13	212.5027	650.0254	277.5046	782.5367	211.6694	800.0384	76.6670	57.5002
5	21:43:50	190.0022	745.0333	295.0052	785.0370	214.1694	880.8799	59.1669	55.8335
x		195.5023	657.5262	293.5052	764.0350	192.0022	842.8760	68.5003	53.3335
%RSD		6.483	10.981	6.101	2.604	10.163	3.510	17.363	9.178

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	21:41:23	1106002.1000	727.5318	7.5000	746.2834	30.0001	53.7502	1230847.9000	102.5006
2	21:42:00	1153775.6000	836.2920	17.5000	802.5386	42.5001	82.5004	1277458.4000	80.0004
3	21:42:37	1172011.9000	902.5489	7.5000	835.0418	46.2501	95.0005	1316663.0000	95.0005
4	21:43:13	1198497.0000	982.5579	15.0000	903.7990	43.7501	108.7507	1345877.5000	105.0007
5	21:43:50	1205959.9000	908.7996	10.0000	816.2900	48.7501	111.2507	1362075.0000	120.0009
x		1167249.3000	871.5460	11.5000	820.7906	42.2501	90.2505	1306584.4000	100.5006
%RSD		3.435	10.984	39.491	6.945	17.175	25.975	4.070	14.548

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	21:41:23	4496.2126	42.5001	85.0004	1829552.6000	413.7603	1071.3189	1155.0800	1012.5615
2	21:42:00	4988.9930	27.5000	95.0005	1905526.5000	456.2625	1148.8292	1265.0960	1047.5658
3	21:42:37	4933.9602	52.5002	72.5003	1973839.5000	440.0116	1257.5949	1447.6257	1177.5832
4	21:43:13	5461.7893	70.0003	95.0005	T 2099010.5000	533.7671	1240.0923	1430.1227	1192.5853
5	21:43:50	5264.1622	55.0002	97.5006	T 2115744.1000	536.2672	1208.8377	1330.1061	1122.5756
x		5029.0234	49.5002	89.0005	T 1984734.6000	476.0138	1185.3346	1325.6061	1110.5743
%RSD		7.286	31.822	11.684	T 6.207	11.757	6.412	9.129	7.110

Run	Time	208Pb	209Bi	220Bkg
1	21:41:23	2457.8624	1240678.2000	0.0000
2	21:42:00	2717.9432	1301694.6000	0.0000
3	21:42:37	2872.9952	1339982.3000	0.0000
4	21:43:13	2800.4705	1379564.9000	0.0000
5	21:43:50	2960.5258	1407506.8000	0.0000
x		2761.9594	1333885.4000	0.0000
%RSD		6.956	4.926	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	21:46:48	240505.3700	51645.3740	811128.7600	114050.1400	127716.2400	1243492.5000	42950.4000	654537.5600
2	21:47:25	242433.3800	52244.9270	831761.5400	115859.8500	132367.9900	1263810.9000	43417.8130	665811.5500
3	21:48:02	241417.0000	52826.0730	851553.6800	119784.7600	133673.5900	1276009.6000	44010.9120	669243.2700
4	21:48:38	244473.3600	52582.8760	863604.2500	119576.8100	138084.6400	1275534.4000	43807.3430	677621.3900
5	21:49:15	243859.0800	52104.8870	870039.8500	121027.5200	138969.1600	1284622.0000	44430.6300	681464.0700
x		242537.6400	52280.8270	845617.6200	118059.8200	134162.3300	1268693.9000	43723.4190	669735.5700
%RSD		0.680	0.868	2.858	2.506	3.406	1.254	1.294	1.577

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	21:46:48	377.5086	322447.4400	302626.9900	ID 74012.2150	398290.9900	1360817.2000	30315.0400	393962.3400
2	21:47:25	437.5115	331476.5400	307111.6600	ID 75111.9900	399543.8800	1391252.5000	30465.5880	399604.1700
3	21:48:02	367.5081	331455.7400	309990.3600	ID 77145.4400	406807.9700	1414187.7000	30829.4220	401103.7000
4	21:48:38	295.0052	334699.0900	313661.4700	ID 78157.3030	410521.0800	1435193.3000	31474.3260	406078.6600
5	21:49:15	305.0056	334399.9300	314735.8600	ID 78634.2590	412439.9300	1436258.0000	32217.1570	408153.9500
x		356.5078	330895.7500	309625.2700	ID 76612.2410	405520.7700	1407541.7000	31060.3060	401780.5600
%RSD		16.331	1.502	1.597	ID 2.592	1.572	2.270	2.531	1.394

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	21:46:48	89020.4520	217519.8200	105475.8100	123950.0100	108045.0800	29542.2720	12218.1170	60.8336
2	21:47:25	90182.8510	219585.4500	106756.9700	126155.2300	110143.1100	29950.3920	12107.1220	55.0002
3	21:48:02	89136.6850	223163.6400	108344.7700	128851.0100	111375.1600	30023.9890	12175.5550	62.5002
4	21:48:38	91673.9890	223155.9400	109595.9700	128500.6700	111564.3300	30586.8640	12325.7750	60.8336
5	21:49:15	91732.1230	225931.7500	110786.5600	129445.1100	112343.0200	30508.2430	12253.1680	69.1670
x		90349.2200	221871.3200	108192.0100	127380.4100	110694.1400	30122.3520	12215.9480	61.6669
%RSD		1.457	1.494	1.970	1.797	1.516	1.428	0.672	8.220

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	21:46:48	1117306.6000	285244.7300	3968.4447	278767.2100	58218.9090	137112.5400	1241835.5000	30.0001
2	21:47:25	1146944.5000	294626.5700	4083.5003	286809.5900	60643.6090	142962.1100	1285782.2000	22.5000
3	21:48:02	1163275.3000	298360.9700	4068.4929	291181.0800	60976.0210	145233.3800	1306909.0000	25.0000
4	21:48:38	1174652.9000	301629.2800	4060.9893	294824.6400	61862.5190	146254.7600	1326672.3000	35.0001
5	21:49:15	1186704.7000	303331.9400	4123.5200	297340.4500	62696.2150	148288.9900	1346204.5000	30.0001
x		1157776.8000	296638.7000	4060.9894	289784.6000	60879.4550	143970.3600	1301480.7000	28.5000
%RSD		2.328	2.422	1.406	2.528	2.774	2.978	3.090	17.100

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	21:46:48	322847.4900	38222.4570	67676.1930	1856042.1000	470320.3200	1156851.5000	374651.6800	313884.6400
2	21:47:25	333710.6100	39232.1330	69148.2030	1941912.2000	492816.0500	1204077.1000	398149.4600	330075.0200
3	21:48:02	344293.3200	40344.9270	70847.3860	1985802.5000	506820.9600	1238118.6000	406225.5700	337748.5000
4	21:48:38	347739.5800	40397.6820	71492.8640	T 2075410.4000	514673.4900	1255627.4000	412883.6100	343371.4300
5	21:49:15	353835.8200	41053.3740	72486.3910	T 2110695.8000	520553.6400	1271331.4000	418070.3500	347898.5200
x		340485.3700	39850.1140	70330.2070	T 1993972.6000	501036.8900	1225201.2000	401996.1300	334595.6200
%RSD		3.604	2.812	2.727	T 5.143	4.006	3.727	4.231	3.991

Run	Time	208Pb	209Bi	220Bkg
1	21:46:48	787988.6700	1258139.9000	0.0000
2	21:47:25	827871.2800	1317929.2000	2.5000
3	21:48:02	847864.4400	1359444.1000	0.0000
4	21:48:38	863609.7900	1382975.8000	2.5000
5	21:49:15	869475.2300	1396273.9000	0.0000
x		839361.8800	1342952.6000	1.0000
%RSD		3.924	4.169	136.931

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	21:52:14	243368.3800	35.0001	920.0508	230.0032	210.0027	2077.7590	707.5300	666538.8900
2	21:52:50	245649.7000	31.6667	1215.0886	215.0028	195.0023	2227.7977	692.5288	682785.9700
3	21:53:27	247809.7700	30.8334	890.0475	145.0013	185.0021	1840.2032	640.0246	698364.6900
4	21:54:04	249026.0600	27.5000	805.0389	120.0009	160.0015	1842.7037	585.0205	706517.0000
5	21:54:40	251537.3200	29.1667	700.0294	110.0007	120.0009	1745.1827	607.5221	713666.9100
x		247478.2500	30.8334	906.0510	164.0018	174.0019	1946.7293	646.5252	693574.6900
%RSD		1.265	9.165	21.273	33.634	20.258	10.240	8.179	2.737

Run	Time	47Ti	51V	52Cr	53Cr	55Mn	56Fe	57Fe	59Co
1	21:52:14	345.0071	340.0069	1872.7104	ID 3600.7778	327.5064	168891.8000	1657.6649	155.0014
2	21:52:50	367.5081	415.0103	2067.7565	ID 3398.1927	457.5126	172420.4600	1710.1755	230.0032
3	21:53:27	365.0080	307.5057	1850.2054	ID 3608.2810	242.5035	174010.5100	1672.6679	167.5017
4	21:54:04	290.0051	330.0065	1995.2388	ID 3688.3160	310.0058	175560.0000	1692.6719	135.0011
5	21:54:40	300.0054	235.0033	2057.7540	ID 3913.4187	300.0054	176193.1600	1555.1451	125.0009
x		333.5067	325.5066	1968.7330	ID 3641.7972	327.5067	173415.1900	1657.6650	162.5017
%RSD		10.910	19.884	5.186	ID 5.102	24.230	1.684	3.659	25.373

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	21:52:14	90.0005	577.5200	212.5027	552.5183	54.1668	856.7107	65.8336	57.5002
2	21:52:50	95.0005	530.0169	187.5021	547.5180	48.3335	889.2141	70.0003	65.0003
3	21:53:27	100.0006	517.5161	257.5040	577.5200	45.8335	866.7117	56.6669	51.6668
4	21:54:04	97.5006	480.0138	227.5031	600.0216	36.6667	855.0439	65.8336	57.5002
5	21:54:40	85.0004	497.5149	205.0025	525.0165	25.0000	871.7123	68.3336	61.6669
x		93.5005	520.5163	218.0029	560.5189	42.0001	867.8785	65.3336	58.6669
%RSD		6.439	7.136	12.093	5.158	27.154	1.589	7.894	8.558

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	21:52:14	1140441.1000	183.7520	5.0000	182.5020	33.7501	60.0002	1254088.1000	25.0000
2	21:52:50	1180272.5000	197.5023	2.5000	215.0028	32.5001	66.2503	1311605.8000	22.5000
3	21:53:27	1197270.5000	185.0021	5.0000	160.0015	18.7500	61.2502	1337404.5000	20.0000
4	21:54:04	1216502.6000	147.5013	7.5000	148.7513	17.5000	55.0002	1360437.0000	35.0001
5	21:54:40	1233936.0000	160.0015	10.0000	135.0011	17.5000	35.0001	1382434.8000	17.5000
x		1193684.5000	174.7519	6.0000	168.2518	24.0000	55.5002	1329194.1000	24.0000
%RSD		3.011	11.671	47.507	18.660	34.822	21.871	3.729	28.144

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	21:52:14	1185.0843	12.5000	37.5001	1866670.3000	285.0049	596.2713	207.5026	177.5019
2	21:52:50	1330.1061	17.5000	32.5001	T 2028686.9000	298.7554	696.2791	270.0044	175.0018
3	21:53:27	1132.5770	30.0001	37.5001	T 2082753.4000	205.0025	477.5137	162.5016	177.5019
4	21:54:04	1117.5749	22.5000	12.5000	T 2119698.0000	188.7521	451.2622	190.0022	110.0007
5	21:54:40	955.0547	22.5000	20.0000	2059665.2000	131.2510	386.2590	137.5011	92.5005
x		1144.0794	21.0000	28.0001	T 2031494.8000	221.7532	521.5171	193.5024	146.5014
%RSD		11.796	31.044	40.129	T 4.822	31.478	23.737	26.043	28.519

Run	Time	208Pb	209Bi	220Bkg
1	21:52:14	360.0078	1269174.2000	0.0000
2	21:52:50	437.5115	1325924.9000	0.0000
3	21:53:27	382.5088	1361547.0000	0.0000
4	21:54:04	330.0065	1394477.0000	0.0000
5	21:54:40	280.0047	1404727.4000	0.0000
x		358.0079	1351170.1000	0.0000
%RSD		16.403	4.089	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	21:57:37	247598.6300	495.8481	215.0028	50.0001	35.0001	1072.5690	520.0162	684918.2400
2	21:58:14	253201.6000	538.3507	420.0106	40.0001	100.0006	1232.5912	550.0181	697960.3300
3	21:58:51	251300.3300	584.1871	405.0098	85.0004	75.0003	1312.6034	595.0212	707024.9900
4	21:59:27	256553.4800	565.0192	460.0127	50.0001	80.0004	1372.6130	592.5211	715194.9500
5	22:00:04	255673.7200	595.8546	415.0103	75.0003	115.0008	1370.1126	547.5180	719894.9300
x		252865.5500	555.8520	383.0093	60.0002	81.0004	1272.0978	561.0189	704998.6900
%RSD		1.423	7.193	25.122	31.733	37.396	9.844	5.730	1.984

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	21:57:37	407.5100	16619.0550	8101.4361	ID 3525.7457	4073.4954	174056.4500	1767.6875	3993.4566
2	21:58:14	300.0054	16719.2550	8113.9482	ID 3645.7973	4311.1149	175138.7800	1727.6791	4241.0789
3	21:58:51	305.0056	17142.6140	8426.7585	ID 3680.8127	4443.6845	177428.9700	1722.6780	4238.5777
4	21:59:27	295.0052	17478.3100	8369.2005	ID 3590.7735	4486.2072	181479.8100	1677.6689	4246.0815
5	22:00:04	287.5050	17370.5850	8639.4761	ID 3820.8757	4513.7221	180082.4800	1650.1634	4148.5324
x		319.0062	17065.9640	8330.1639	ID 3652.8010	4365.6448	177637.3000	1709.1754	4173.5454
%RSD		15.641	2.248	2.722	ID 3.032	4.143	1.777	2.685	2.600

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	21:57:37	937.5527	4608.7741	2312.8209	1507.6364	621.6899	1580.9833	355.0076	54.1668
2	21:58:14	990.0588	4761.3598	2330.3258	1467.6292	596.6880	1652.6639	375.0084	68.3336
3	21:58:51	947.5539	4878.9278	2237.8004	1462.6283	603.3552	1668.5004	376.6752	61.6669
4	21:59:27	867.5452	4833.9016	2390.3428	1582.6503	591.6877	1615.9900	398.3429	70.8336
5	22:00:04	1075.0693	4933.9602	2210.2931	1555.1451	602.5218	1686.8374	362.5079	60.8336
x		963.5560	4803.3847	2296.3166	1515.1379	603.1885	1640.9950	373.5084	63.1669
%RSD		7.919	2.619	3.162	3.497	1.885	2.589	4.424	10.446

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	21:57:37	1151632.3000	2925.5134	37.5001	2904.2560	552.5183	1393.8666	1267810.6000	22.5000
2	21:58:14	1191823.9000	2976.7816	67.5003	3046.8069	651.2755	1531.3907	1319495.4000	12.5000
3	21:58:51	1215794.6000	3133.0889	70.0003	3075.5674	652.5256	1451.3764	1346741.9000	12.5000
4	21:59:27	1229905.2000	3310.6575	37.5001	2975.5311	628.7737	1567.6474	1370073.5000	10.0000
5	22:00:04	1242412.8000	3268.1407	47.5001	3011.7942	643.7749	1478.8812	1378970.0000	30.0001
x		1206313.8000	3122.8364	52.0002	3002.7911	625.7736	1484.6325	1336618.3000	17.5000
%RSD		2.974	5.471	30.483	2.219	6.716	4.575	3.355	48.445

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	21:57:37	3563.2616	3830.8803	6800.2735	1876827.9000	2311.5706	5479.3008	1940.2258	1620.1575
2	21:58:14	3590.7735	3845.8872	6962.9077	T 2033417.5000	2516.6299	5763.2422	1970.2329	1647.6629
3	21:58:51	3910.9175	4018.4687	7120.5408	2011708.7000	2361.5846	5955.8776	2097.7640	1715.1765
4	21:59:27	3845.8872	4233.5751	7235.6399	2062225.2000	2499.1247	5982.1464	2080.2596	1662.6659
5	22:00:04	3975.9483	4226.0713	7360.7494	T 2149687.9000	2562.8940	6186.0452	2175.2839	1672.6679
x		3777.3576	4030.9765	7096.0223	T 2026773.4000	2450.3608	5873.3224	2052.7532	1663.6661
%RSD		4.999	4.861	3.114	T 4.879	4.404	4.535	4.702	2.100

Run	Time	208Pb	209Bi	220Bkg
1	21:57:37	3868.3977	1270010.9000	0.0000
2	21:58:14	4148.5324	1323496.7000	0.0000
3	21:58:51	4273.5955	1361939.0000	0.0000
4	21:59:27	4213.5650	1392265.1000	0.0000
5	22:00:04	4181.0486	1411104.7000	0.0000
x		4137.0278	1351763.3000	0.0000
%RSD		3.798	4.176	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	22:02:59	216314.8900	143.3346	TM 62626705.0000	TM 8738910.7000	TM 9984612.8000	TM 212778690.0000	TM 2116144.1000	589171.2500
2	22:03:36	216737.3200	124.1676	TM 65841854.0000	TM 9303136.8000	TM 10615714.0000	TM 219666280.0000	TM 2224445.5000	613874.8200
3	22:04:13	219049.9600	136.6678	TM 69300192.0000	TM 9735894.4000	TM 11157135.0000	TM 225080250.0000	TM 2323989.2000	634099.4600
4	22:04:49	219198.8000	144.1679	TM 70850512.0000	TM 9944787.7000	TM 11495419.0000	TM 228927380.0000	TM 2399505.2000	648959.3600
5	22:05:26	220769.4500	134.1678	TM 72464032.0000	TM 10221794.0000	TM 11668452.0000	TM 234241990.0000	TM 2459124.5000	660658.4200
x		218414.0800	136.5011	TM 68216659.0000	TM 9588904.7000	TM 10984266.0000	TM 224138920.0000	TM 2304641.7000	629352.6600
%RSD		0.850	5.941	TM 5.819	TM 6.065	TM 6.265	TM 3.699	TM 5.949	4.523

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	22:02:59	457941.1200	9240.1200	58522.2720	ITD 6575122.9000	28305.4910	TM 108261570.0000	TM 2750122.7000	5259.1590
2	22:03:36	474820.0400	9828.2923	61516.2200	ITD 6979488.8000	29502.1300	TM 115305460.0000	TM 2920657.1000	5249.1527
3	22:04:13	487771.8800	9638.0703	63228.9680	ITD 7255747.6000	30106.7870	TM 119480720.0000	TM 3027497.2000	5339.2099
4	22:04:49	498865.5600	10253.8050	63727.7450	ITD 7550088.2000	31230.9130	TM 123464320.0000	TM 3122028.0000	5721.9638
5	22:05:26	509832.8600	10393.9780	66073.4070	ITD 7770954.2000	31547.1000	TM 126530200.0000	TM 3202579.2000	5877.0717
x		485846.2900	9870.8530	62613.7220	ITD 7226280.3000	30138.4840	TM 118608450.0000	TM 3004576.9000	5489.3114
%RSD		4.179	4.736	4.484	ITD 6.518	4.372	TM 6.037	TM 5.891	5.293

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	22:02:59	6407.4624	16366.0550	8989.8464	6637.6424	593.3545	954.2213	82.5004	234.1700
2	22:03:36	6354.9222	16892.1030	8854.7018	7108.0302	631.6906	1060.0674	72.5003	263.3375
3	22:04:13	6792.7674	17623.6160	9477.8868	7080.5067	649.1920	1145.0787	74.1670	252.5038
4	22:04:49	6630.1365	17383.1110	9327.7175	7428.3093	629.1904	1193.4188	87.5005	235.0033
5	22:05:26	6755.2369	18305.0830	9663.0993	7440.8205	700.8628	1195.0857	74.1670	235.8367
x		6588.1051	17313.9940	9262.6504	7139.0618	640.8581	1109.5744	78.1670	244.1703
%RSD		3.022	4.244	3.628	4.596	6.117	9.256	8.340	5.380

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	22:02:59	982656.0500	177.5019	1847.7048	197.5023	2257.8058	3570.7649	1157126.0000	220.0029
2	22:03:36	1027350.0000	191.2522	1770.1880	206.2526	2164.0309	3654.5512	1235856.8000	232.5032
3	22:04:13	1071520.4000	161.2516	1807.6960	206.2526	2277.8113	3590.7735	1279046.6000	235.0033
4	22:04:49	1101233.1000	172.5018	1812.6971	241.2535	2217.7951	3777.1058	1316945.3000	235.0033
5	22:05:26	1120546.4000	207.5026	1857.7070	207.5026	2256.5555	3647.0479	1342566.7000	220.0029
x		1060661.2000	182.0020	1819.1986	211.7527	2234.7997	3648.0486	1266308.3000	228.5031
%RSD		5.280	9.817	1.918	8.014	2.020	2.208	5.775	3.425

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	22:02:59	2082.7602	525.0165	920.0508	1716555.4000	56.2502	130.0010	7943.7844	5882.0752
2	22:03:36	2135.2735	525.0165	1040.0649	1844041.4000	55.0002	138.7512	8204.0364	6337.4088
3	22:04:13	2217.7951	655.0257	960.0553	1894304.9000	78.7504	180.0019	8837.1833	6657.6584
4	22:04:49	2227.7977	625.0234	992.5591	1968496.6000	77.5004	207.5026	8724.5647	7148.0644
5	22:05:26	2335.3272	630.0238	1010.0612	2004599.4000	83.7504	216.2528	9012.3707	6682.6784
x		2199.7908	592.0212	984.5583	1885599.5000	70.2503	174.5019	8544.3879	6541.5770
%RSD		4.392	10.509	4.698	6.012	19.304	22.417	5.279	7.161

Run	Time	208Pb	209Bi	220Bkg
1	22:02:59	15143.7470	1124180.5000	0.0000
2	22:03:36	16328.4820	1199233.8000	0.0000
3	22:04:13	16691.7000	1251117.3000	0.0000
4	22:04:49	17252.8410	1280353.9000	0.0000
5	22:05:26	17530.9210	1294948.5000	0.0000
x		16589.5380	1229966.8000	0.0000
%RSD		5.635	5.654	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	22:08:24	219605.9800	9228.4404	TM 67885012.0000	TM 9542377.7000	TM 10930445.0000	TM 227365080.0000	TM 2313991.8000	637343.4600
2	22:09:01	219469.1100	9496.2410	TM 70670020.0000	TM 9944066.2000	TM 11381732.0000	TM 231731310.0000	TM 2405822.1000	658569.9300
3	22:09:38	222686.9700	9462.8697	TM 72654977.0000	TM 10227769.0000	TM 11731507.0000	TM 236199990.0000	TM 2472476.2000	669009.3100
4	22:10:14	220222.7700	9374.4365	TM 73500858.0000	TM 10356103.0000	TM 11898669.0000	TM 236629860.0000	TM 2511552.4000	676889.0600
5	22:10:51	223440.9200	9662.2650	TM 73954690.0000	TM 10407960.0000	TM 11987552.0000	TM 239685310.0000	TM 2542771.5000	679187.7700
x		221085.1500	9444.8505	TM 71733111.0000	TM 10095655.0000	TM 11585981.0000	TM 234322310.0000	TM 2449322.8000	664199.9100
%RSD		0.836	1.691	TM 3.475	TM 3.544	TM 3.742	TM 2.055	TM 3.728	2.566

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	22:08:24	487080.6600	75664.4540	125180.7000	ITD 7225293.3000	109089.3900	TM 118701170.0000	TM 3012619.3000	83238.6540
2	22:09:01	504616.8000	77622.3380	127348.1700	ITD 7561990.7000	113690.2700	TM 124639210.0000	TM 3133565.4000	84508.8430
3	22:09:38	515153.0500	78250.6730	129686.3200	ITD 7755277.8000	114757.2500	TM 127667740.0000	TM 3234075.4000	87254.4210
4	22:10:14	515153.0500	79709.4010	130524.2500	ITD 7901618.7000	117150.2000	TM 129400080.0000	TM 3260280.2000	86809.8140
5	22:10:51	521561.3100	81037.1140	131395.2800	ITD 8006943.7000	118392.5800	TM 131111400.0000	TM 3304605.1000	88237.1880
x		508712.9700	78456.7960	128826.9500	ITD 7690224.8000	114615.9400	TM 126303920.0000	TM 3189029.1000	86009.7840
%RSD		2.661	2.609	1.967	ITD 4.018	3.149	TM 3.861	TM 3.666	2.403

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	22:08:24	23197.2420	56893.5520	28892.5000	18067.0640	10876.2600	3716.6620	1156.7469	220.8363
2	22:09:01	24195.0730	59680.4430	29416.8300	18440.3800	11200.0210	3899.2454	1127.5763	255.0039
3	22:09:38	24027.0880	60309.9510	29795.6720	18959.0420	11442.0160	3956.7725	1195.9191	227.5031
4	22:10:14	24756.7190	60735.5250	29948.7190	19164.5110	11699.0400	4013.4662	1225.0900	234.1700
5	22:10:51	24337.9880	61883.9270	30362.7130	19099.3620	11703.2120	4065.1580	1194.2522	255.0039
x		24102.8220	59900.6790	29683.2870	18746.0720	11384.1100	3930.2608	1179.9169	238.5034
%RSD		2.381	3.111	1.877	2.530	3.094	3.423	3.221	6.618

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	22:08:24	1055015.1000	52200.4830	2647.9206	51477.2550	13444.5870	29967.5360	1253250.0000	182.5020
2	22:09:01	1102739.1000	54261.0830	2480.3691	53117.5000	13791.4030	30786.7650	1304775.2000	257.5040
3	22:09:38	1121625.7000	55252.5660	2645.4198	54833.5620	14058.0980	31937.3330	1338965.4000	240.0035
4	22:10:14	1137721.8000	55904.3910	2597.9049	55159.4520	14250.9250	31828.1660	1362785.9000	237.5034
5	22:10:51	1156900.1000	56307.0890	2700.4375	55589.7970	14462.5390	32050.2650	1375773.0000	252.5038
x		1114800.4000	54785.1220	2614.4104	54035.5130	14001.5100	31314.0130	1327109.9000	234.0033
%RSD		3.493	2.991	3.184	3.166	2.840	2.894	3.717	12.812

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	22:08:24	35226.7990	8371.7030	15066.1070	1823199.7000	46094.6310	109641.5600	43907.8700	36939.1890
2	22:09:01	36434.4750	9089.9549	15769.9070	1927154.8000	48479.3560	115033.5200	47102.7450	38330.4510
3	22:09:38	37423.8440	9335.2259	15990.3270	1985170.0000	49345.6680	118985.9400	48983.5410	40277.1000
4	22:10:14	37953.7330	9530.4467	16195.7230	T 2094738.8000	50454.7800	121641.3600	49245.0760	40965.4430
5	22:10:51	38154.6470	9492.9038	16591.5000	T 2119521.5000	51200.5580	121728.8800	49637.3930	40985.5420
x		37038.6990	9164.0469	15922.7130	T 1989957.0000	49114.9990	117406.2500	47775.3250	39499.5450
%RSD		3.273	5.190	3.558	T 6.131	4.037	4.365	4.964	4.544

Run	Time	208Pb	209Bi	220Bkg
1	22:08:24	91805.4240	1167984.6000	0.0000
2	22:09:01	96905.1800	1229497.3000	0.0000
3	22:09:38	98787.0830	1273264.6000	0.0000
4	22:10:14	101059.0800	1296587.7000	0.0000
5	22:10:51	102377.5300	1298167.7000	0.0000
x		98186.8600	1253100.4000	0.0000
%RSD		4.216	4.395	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	22:13:48	240870.6900	134332.3900	748811.5800	105756.8400	119805.0500	684934.5000	23656.0290	728571.2700
2	22:14:24	241679.4500	134981.0800	792728.1100	109950.5900	127487.7900	749857.1100	24556.1270	743974.5400
3	22:15:01	243787.0200	136946.9300	826764.0300	114187.0000	132997.9000	779380.3400	25862.5700	755605.6900
4	22:15:38	247408.0900	138232.0600	810282.0200	114602.6400	131443.5300	751637.2600	26078.2410	765991.4300
5	22:16:14	248980.5700	137935.5400	817828.5200	115864.9200	132672.7800	745015.4100	25363.5400	764722.4500
x		244545.1600	136485.6000	799282.8500	112072.4000	128881.4100	742164.9200	25103.3010	751773.0800
%RSD		1.448	1.283	3.862	3.723	4.289	4.676	3.978	2.086

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	22:13:48	545.0178	901466.5900	855133.9600	ID 88575.7510	1123642.1000	1569580.1000	32879.7370	1106186.8000
2	22:14:24	632.5240	924078.8000	871429.4100	ID 92472.7410	1140172.8000	1646869.5000	34815.0740	1128312.0000
3	22:15:01	595.0212	923521.8400	875942.8400	ID 95099.5570	1153078.3000	1699135.1000	36286.3300	1150760.8000
4	22:15:38	515.0159	942336.1000	896520.8100	ID 95994.7330	1168655.9000	1683866.0000	35538.1160	1154413.0000
5	22:16:14	510.0156	934567.4500	883108.1800	ID 96204.6330	1175558.2000	1681132.7000	35806.7630	1147758.5000
x		559.5189	925194.1600	876427.0400	ID 93669.4830	1152221.5000	1656116.7000	35065.2040	1137486.2000
%RSD		9.471	1.665	1.737	ID 3.429	1.829	3.141	3.800	1.776

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	22:13:48	245681.4500	608431.5500	293789.0100	168894.3500	153154.5600	40685.7450	16293.4130	77.5004
2	22:14:24	250027.9000	622159.1400	297100.8800	173678.6900	154948.9500	41445.3070	16519.6910	65.0003
3	22:15:01	253912.7500	632775.5400	302168.2900	176244.2200	157905.3400	42049.1540	16966.4210	56.6669
4	22:15:38	257069.8700	635426.2800	304368.7300	178031.6200	158715.5100	42049.9920	16659.9700	77.5004
5	22:16:14	256685.7900	636304.6600	304713.4900	177773.7000	159575.0300	41674.7810	16978.9460	60.8336
x		252675.5500	627019.4300	300428.0800	174924.5100	156859.8800	41580.9960	16683.6880	67.5003
%RSD		1.907	1.886	1.597	2.166	1.725	1.354	1.765	14.211

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	22:13:48	1249687.2000	820833.5300	11072.3510	801058.5200	164400.8200	389590.0600	1404539.3000	30.0001
2	22:14:24	1299323.8000	844364.4100	11167.4780	821984.0700	170902.1700	402100.0300	1458240.3000	15.0000
3	22:15:01	1322500.6000	859944.4900	11645.6320	839540.3600	174746.9300	413494.0400	1492418.0000	30.0001
4	22:15:38	1330583.5000	868651.9000	11522.9610	849358.1800	175969.7600	418442.0800	1503295.4000	22.5000
5	22:16:14	1347185.8000	874839.1900	11515.4510	852255.2600	176671.8800	418999.0400	1527830.1000	35.0001
x		1309856.2000	853726.7000	11384.7740	832839.2800	172538.3100	408525.0500	1477264.6000	26.5000
%RSD		2.886	2.537	2.192	2.563	2.936	3.078	3.231	29.533

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	22:13:48	454080.7400	107321.6500	187802.6100	T 2173340.9000	625024.6100	1527098.7000	526274.2000	414879.1500
2	22:14:24	471742.4200	111751.8200	196328.2600	T 2245323.8000	650624.4800	1606590.7000	549680.0800	435576.1700
3	22:15:01	485367.4000	115175.4600	199853.0800	T 2309063.3000	673623.4500	1650586.0000	567758.8500	447472.2700
4	22:15:38	491692.5100	114007.0600	202667.3400	T 2343713.2000	675888.8100	1663850.5000	572703.0700	453107.3500
5	22:16:14	494692.4800	115160.2500	204398.8600	T 2362035.5000	688490.3600	1686718.3000	577494.9000	457777.4900
x		479515.1100	112683.2500	198210.0300	T 2286695.3000	662730.3400	1626968.8000	558782.2200	441762.4800
%RSD		3.490	2.934	3.315	T 3.387	3.790	3.872	3.758	3.886

Run	Time	208Pb	209Bi	220Bkg
1	22:13:48	1067780.4000	1398397.2000	0.0000
2	22:14:24	1121779.4000	1462275.5000	2.5000
3	22:15:01	1151272.3000	1506209.3000	7.5000
4	22:15:38	1167860.1000	1521035.2000	0.0000
5	22:16:14	1178839.3000	1538802.2000	0.0000
x		1137506.3000	1485343.9000	2.0000
%RSD		3.914	3.787	162.980

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	22:19:11	248277.5500	45.8335	13641.1560	2035.2485	2250.3038	45921.1780	1067.5684	750865.9100
2	22:19:47	248854.3800	45.0001	13846.4940	1795.1933	2210.2931	43495.7170	1140.0780	764253.4600
3	22:20:24	249872.5100	27.5000	7923.7654	1140.0780	1440.1244	26777.9550	912.5500	779576.2000
4	22:21:01	257092.2100	19.1667	4281.0994	555.0185	640.0246	16100.5390	922.5511	793877.7000
5	22:21:37	259340.2800	24.1667	2525.3826	350.0074	375.0084	11037.3040	865.0449	806867.0700
x		252687.3800	32.3334	8443.5794	1175.1091	1383.1509	28666.5380	981.5585	779088.0700
%RSD		2.035	38.071	61.775	62.980	62.695	54.877	11.875	2.875

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	22:19:11	615.0227	760.0347	2530.3841	ID 5411.7567	487.5143	229258.2700	2362.8349	302.5055
2	22:19:47	522.5164	765.0351	2527.8834	ID 5469.2942	487.5143	230661.2000	2225.2971	292.5051
3	22:20:24	437.5115	690.0286	2237.8004	ID 4891.4351	387.5090	228931.9800	2107.7665	185.0021
4	22:21:01	440.0116	635.0242	2177.7845	ID 4423.6738	315.0060	226031.9100	1782.6907	137.5011
5	22:21:37	370.0082	462.5128	2355.3328	ID 4536.2343	230.0032	226101.2500	1870.2098	140.0012
x		477.0141	662.5271	2365.8370	ID 4946.4788	381.5093	228196.9200	2069.7598	211.5030
%RSD		19.748	18.721	6.855	ID 9.771	29.272	0.899	11.680	38.217

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	22:19:11	67.5003	960.0553	242.5035	302.5055	63.3336	1378.4473	68.3336	63.3336
2	22:19:47	112.5008	1007.5609	260.0041	307.5057	65.8336	1319.2711	64.1669	65.8336
3	22:20:24	62.5002	995.0594	170.0017	270.0044	48.3335	1390.9494	69.1670	73.3337
4	22:21:01	45.0001	895.0481	165.0016	240.0035	43.3334	1316.7707	70.0003	77.5004
5	22:21:37	37.5001	820.0404	172.5018	212.5027	35.0001	1391.7829	83.3337	69.1670
x		65.0003	935.5528	202.0026	266.5043	51.1668	1359.4443	71.0003	69.8336
%RSD		45.018	8.333	22.507	15.251	25.741	2.809	10.212	8.155

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	22:19:11	1274439.3000	273.7545	7.5000	248.7537	57.5002	106.2507	1410181.2000	22.5000
2	22:19:47	1319926.3000	283.7548	20.0000	298.7554	42.5001	116.2508	1473618.8000	20.0000
3	22:20:24	1356547.9000	197.5023	7.5000	208.7526	27.5000	80.0004	1501376.2000	20.0000
4	22:21:01	1379544.4000	166.2517	15.0000	153.7514	22.5000	60.0002	1536975.4000	22.5000
5	22:21:37	1401242.2000	130.0010	5.0000	122.5009	12.5000	21.2500	1567575.0000	40.0001
x		1346340.0000	210.2529	11.0000	206.5028	32.5001	76.7504	1497945.3000	25.0000
%RSD		3.730	31.882	57.045	34.361	54.393	49.622	4.044	33.912

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	22:19:11	1140.0780	42.5001	65.0003	2082834.2000	325.0063	697.5292	222.5030	190.0022
2	22:19:47	1410.1193	12.5000	40.0001	T 2250266.2000	297.5053	755.0342	245.0036	200.0024
3	22:20:24	1332.6065	27.5000	27.5000	T 2325426.3000	205.0025	485.0141	127.5010	132.5011
4	22:21:01	1045.0655	12.5000	35.0001	T 2371832.1000	167.5017	388.7591	102.5006	85.0004
5	22:21:37	985.0582	10.0000	22.5000	T 2401098.2000	122.5009	330.0065	145.0013	72.5003
x		1182.5855	21.0000	38.0001	T 2286291.4000	223.5034	531.2686	168.5019	136.0013
%RSD		15.478	66.069	43.491	T 5.564	38.397	35.298	36.773	42.965

Run	Time	208Pb	209Bi	220Bkg
1	22:19:11	437.5115	1376501.1000	0.0000
2	22:19:47	487.5143	1444678.1000	0.0000
3	22:20:24	310.0058	1497525.5000	0.0000
4	22:21:01	210.0027	1527643.9000	2.5000
5	22:21:37	192.5022	1555363.7000	0.0000
x		327.5073	1480342.5000	0.5000
%RSD		40.405	4.802	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	22:24:35	252659.6800	33.3334	8844.6912	1200.0864	1495.1341	31547.1000	1342.6081	749114.5800
2	22:25:11	257652.4500	38.3334	13270.5580	1895.2155	2205.2918	41686.5060	1375.1134	770991.2200
3	22:25:48	256995.1100	35.0001	11603.0720	1575.1489	1920.2212	39078.9150	1360.1110	776414.2100
4	22:26:25	259222.5300	30.0001	8454.2863	1145.0787	1425.1218	31000.0530	1225.0900	790146.8800
5	22:27:02	259936.7700	17.5000	5151.5918	730.0320	1080.0700	22181.9830	1107.5736	787345.7000
x		257293.3100	30.8334	9464.8399	1309.1123	1625.1678	33098.9120	1282.0992	774802.5200
%RSD		1.106	26.064	33.018	33.913	27.131	23.182	8.902	2.111

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	22:24:35	622.5233	25062.6320	3765.8507	ID 5181.6104	342.5070	220925.1700	2062.7553	162.5016
2	22:25:11	527.5167	25636.8740	3653.3006	ID 5594.3772	462.5128	229093.8400	1940.2258	217.5028
3	22:25:48	442.5118	25007.4660	3618.2853	ID 5269.1653	455.0124	227999.4300	2052.7528	215.0028
4	22:26:25	490.0144	25162.9330	3665.8061	ID 5034.0200	277.5046	225305.1200	1755.1848	147.5013
5	22:27:02	507.5155	25097.7370	3600.7778	ID 5121.5733	310.0058	221628.4700	1840.2032	107.5007
x		518.0163	25193.5280	3660.8041	ID 5240.1493	369.5085	224990.4100	1930.2244	170.0018
%RSD		12.808	1.009	1.756	ID 4.118	22.922	1.630	6.923	27.512

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	22:24:35	125.0009	1097.5723	360.0078	1397.6172	682.5280	1140.9114	70.0003	77.5004
2	22:25:11	170.0017	1227.5904	310.0058	1270.0968	750.8672	1161.7476	65.8336	67.5003
3	22:25:48	212.5027	1152.5797	310.0058	1405.1185	730.8654	1132.5770	68.3336	69.1670
4	22:26:25	100.0006	1135.0773	325.0063	1347.6090	700.0294	1088.4044	84.1671	76.6670
5	22:27:02	135.0011	1115.0746	345.0071	1455.1270	730.0320	1080.9034	70.0003	62.5002
x		148.5014	1145.5789	330.0066	1375.1137	718.8644	1120.9088	71.6670	70.6670
%RSD		29.440	4.391	6.691	5.090	3.789	3.110	10.036	8.996

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	22:24:35	1285219.5000	247.5037	17.5000	211.2527	17.5000	73.7503	1421460.9000	105.0007
2	22:25:11	1325008.6000	285.0049	2.5000	205.0025	18.7500	82.5004	1472013.8000	145.0013
3	22:25:48	1347299.7000	275.0045	10.0000	242.5035	28.7500	81.2504	1510575.1000	110.0007
4	22:26:25	1357012.7000	190.0022	15.0000	172.5018	28.7500	56.2502	1527356.4000	112.5008
5	22:27:02	1373549.6000	151.2514	20.0000	166.2517	12.5000	27.5000	1546040.3000	125.0009
x		1337618.0000	229.7533	13.0000	199.5024	21.2500	64.2503	1495489.3000	119.5009
%RSD		2.553	24.964	53.363	15.555	34.047	35.890	3.315	13.428

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	22:24:35	435.0114	30.0001	40.0001	2112872.8000	110.0007	338.7569	125.0009	102.5006
2	22:25:11	557.5187	32.5001	67.5003	T 2277220.0000	183.7520	510.0156	217.5028	97.5006
3	22:25:48	540.0175	30.0001	65.0003	T 2342354.0000	143.7512	328.7565	162.5016	97.5006
4	22:26:25	480.0138	20.0000	77.5004	T 2368601.8000	101.2506	208.7526	132.5011	107.5007
5	22:27:02	437.5115	17.5000	20.0000	T 2406764.4000	53.7502	137.5011	102.5006	87.5005
x		490.0146	26.0000	54.0002	T 2301562.6000	118.5010	304.7566	148.0014	98.5006
%RSD		11.607	25.979	43.504	T 5.021	41.034	46.710	29.990	7.529

Run	Time	208Pb	209Bi	220Bkg
1	22:24:35	277.5046	1404255.7000	0.0000
2	22:25:11	390.0091	1476589.8000	0.0000
3	22:25:48	355.0076	1509326.3000	0.0000
4	22:26:25	250.0038	1540672.7000	0.0000
5	22:27:02	222.5030	1561136.1000	2.5000
x		299.0056	1498396.1000	0.5000
%RSD		23.728	4.111	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	22:30:00	248149.6600	53808.1600	925549.3500	128112.2500	146928.9700	1373842.5000	46222.8390	705407.4000
2	22:30:36	249878.5200	53712.5460	960206.2800	134283.2700	152329.6500	1402511.5000	48571.1380	724001.3300
3	22:31:13	251692.7400	55110.7980	973734.2500	136534.4100	156882.9700	1425876.0000	48787.3960	733718.5600
4	22:31:50	250425.4100	54420.4500	982942.0100	136839.3500	156562.0100	1401677.1000	48654.1200	740138.2100
5	22:32:27	249837.3100	54395.2870	987170.8200	136244.7300	158370.7100	1392247.5000	49353.2130	735735.2700
x		249996.7300	54289.4480	965920.5400	134402.8000	154214.8600	1399230.9000	48317.7410	727800.1600
%RSD		0.510	1.037	2.570	2.720	3.016	1.347	2.505	1.902

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	22:30:00	492.5146	373109.7600	326872.4200	ID 82968.4800	429586.9700	1544162.7000	32899.8160	427619.5500
2	22:30:36	475.0135	379883.2200	335224.5900	ID 85170.5280	439868.0200	1598541.8000	34559.0110	436036.8500
3	22:31:13	502.5152	383453.8000	338851.9600	ID 87244.3160	447324.6500	1629065.7000	34940.5970	442957.9100
4	22:31:50	390.0091	381653.9300	338622.9300	ID 87931.4820	445503.3700	1648143.3000	34810.0530	442473.1500
5	22:32:27	425.0108	383864.5800	336494.2500	ID 87969.3790	449170.0500	1642840.7000	34905.4510	445998.8400
x		457.0126	380393.0600	335213.2300	ID 86256.8370	442290.6100	1612550.9000	34422.9860	439017.2600
%RSD		10.476	1.148	1.462	ID 2.507	1.788	2.655	2.511	1.670

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	22:30:00	96270.3860	238582.0900	114128.7100	135650.1400	117380.0700	31610.6740	12782.2960	60.8336
2	22:30:36	97942.1980	241990.7900	116437.8200	138514.1800	120199.8400	32182.8580	13053.5490	70.8336
3	22:31:13	99753.4930	245766.4000	117669.9500	140969.8500	121544.9700	32784.3620	13140.3520	64.1669
4	22:31:50	99004.6420	246896.5900	118526.9700	141531.7500	122492.8700	32940.8110	13179.5810	70.8336
5	22:32:27	100960.4000	248737.6400	119893.8100	142004.7000	121851.0600	32730.8190	13262.2110	69.1670
x		98786.2230	244394.7000	117331.4500	139734.1300	120693.7600	32449.9050	13083.5980	67.1669
%RSD		1.807	1.669	1.866	1.896	1.684	1.693	1.409	6.658

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	22:30:00	1217642.5000	313468.1500	4271.0943	306244.3600	63371.2930	150209.1800	1360682.7000	27.5000
2	22:30:36	1249987.6000	320059.2200	4253.5853	315008.3700	65458.5840	155909.9600	1411251.8000	42.5001
3	22:31:13	1270427.9000	328023.8700	4526.2289	319756.6800	67115.4350	158794.9200	1443035.4000	35.0001
4	22:31:50	1289902.0000	331392.0300	4578.7576	322290.2800	67469.5270	160778.6700	1459153.9000	42.5001
5	22:32:27	1291864.0000	333641.6800	4478.7032	327094.6400	69076.3610	161454.0400	1464995.7000	35.0001
x		1263964.8000	325316.9900	4421.6738	318078.8700	66498.2400	157429.3500	1427823.9000	36.5001
%RSD		2.449	2.579	3.388	2.492	3.263	2.906	3.008	17.192

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	22:30:00	363067.9800	42128.7210	73343.8450	T 2114084.9000	513094.1700	1249161.4000	410329.4800	342907.9200
2	22:30:36	377746.8100	43254.4660	76789.6770	T 2208167.3000	533291.1400	1308250.9000	432086.3400	360254.7500
3	22:31:13	384168.1000	44609.0790	77925.1440	T 2272401.2000	550503.0800	1348672.4000	439928.6000	366874.3700
4	22:31:50	389256.2400	45317.8890	78467.7000	T 2291888.4000	558471.7100	1367387.5000	446328.3000	372861.5100
5	22:32:27	392230.9700	46087.0900	80272.2650	T 2307951.3000	566751.1000	1388709.9000	453030.8500	377963.8300
x		381294.0200	44279.4490	77359.7260	T 2238898.6000	544422.2400	1332436.4000	436340.7100	364172.4800
%RSD		3.036	3.594	3.326	T 3.547	3.938	4.140	3.776	3.736

Run	Time	208Pb	209Bi	220Bkg
1	22:30:00	856908.0600	1368663.8000	0.0000
2	22:30:36	903125.0700	1427708.6000	0.0000
3	22:31:13	923842.0900	1474018.7000	5.0000
4	22:31:50	938098.0600	1501079.1000	0.0000
5	22:32:27	948692.8000	1517198.5000	2.5000
x		914133.2100	1457733.7000	1.5000
%RSD		3.966	4.132	149.071

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	22:35:24	241513.9200	16.6667	TM 26355215.0000	TM 3682610.0000	TM 4199095.2000	10348.9220	TM 3540663.1000	672071.6000
2	22:36:01	238451.7700	35.0001	TM 26869508.0000	TM 3750723.0000	TM 4299537.9000	26945.9950	TM 3592895.2000	677800.0800
3	22:36:37	243688.3600	26.6667	TM 27084328.0000	TM 3804496.4000	TM 4357905.8000	20602.9370	TM 3657826.4000	676358.4700
4	22:37:14	240744.6300	17.5000	TM 27233916.0000	TM 3815566.7000	TM 4342978.2000	11911.0060	TM 3659993.0000	674293.2600
5	22:37:51	243231.1200	15.0000	TM 27347922.0000	TM 3835204.7000	TM 4369852.4000	9142.5124	TM 3669272.6000	674654.5600
x		241525.9600	22.1667	TM 26978178.0000	TM 3777720.2000	TM 4313873.9000	15790.2750	TM 3624130.1000	675035.5900
%RSD		0.870	38.302	TM 1.451	TM 1.633	TM 1.610	48.692	TM 1.536	0.322

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	22:35:24	1017.5621	42714.1900	4198.5574	ID 5391.7437	370831.3700	237244.7100	57394.4690	3180.6069
2	22:36:01	932.5522	46134.8530	4173.5448	ID 5389.2421	372628.9500	244834.5700	57034.5100	3378.1846
3	22:36:37	862.5446	47467.3050	4070.9941	ID 5021.5125	377786.0300	237766.7700	51186.7240	3038.0537
4	22:37:14	812.5396	48616.4010	3888.4070	ID 4618.7796	375318.1900	231704.5500	52937.6110	3008.0428
5	22:37:51	862.5446	49471.4110	3888.4070	ID 4728.8413	376337.6600	227072.1200	50693.7240	2850.4874
x		897.5486	46880.8320	4043.9821	ID 5030.0238	374580.4400	235724.5400	53849.4080	3091.0751
%RSD		8.862	5.642	3.705	ID 7.167	0.752	2.850	5.916	6.430

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	22:35:24	4211.0637	4203.5599	2147.7767	9603.0299	4300.2759	923.3845	108.3340	73.3337
2	22:36:01	4040.9795	4000.9602	2235.2998	10013.5130	4605.4389	882.5467	94.1672	66.6669
3	22:36:37	3873.4000	4168.5423	2110.2672	9825.7894	4723.8385	905.8826	91.6672	59.1669
4	22:37:14	3975.9483	3918.4210	2090.2621	10096.1120	4656.3005	850.8768	106.6674	52.5002
5	22:37:51	3773.3541	4033.4759	2135.2735	9988.4826	4838.0707	883.3802	103.3340	50.0001
x		3974.9491	4064.9919	2143.7759	9905.3853	4624.7849	889.2141	100.8340	60.3336
%RSD		4.192	2.924	2.603	1.973	4.351	3.077	7.438	16.125

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	22:35:24	1125918.3000	217.5028	17.5000	225.0030	37.5001	78.7504	1227824.2000	47.5001
2	22:36:01	1144665.8000	297.5053	10.0000	271.2544	50.0001	115.0008	1268517.0000	40.0001
3	22:36:37	1159805.4000	202.5025	30.0001	208.7526	32.5001	112.5008	1292046.8000	47.5001
4	22:37:14	1164528.6000	175.0018	32.5001	161.2516	40.0001	88.7505	1298661.5000	30.0001
5	22:37:51	1153041.1000	167.5017	7.5000	133.7511	42.5001	93.7505	1298937.4000	45.0001
x		1149591.9000	212.0028	19.5000	200.0025	40.5001	97.7506	1277197.4000	42.0001
%RSD		1.322	24.488	58.330	27.006	15.978	15.957	2.371	17.557

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	22:35:24	5226.6386	16796.9110	29283.8620	T 2041696.1000	447.5120	963.8057	300.0054	232.5032
2	22:36:01	5336.7083	17100.0270	29843.3420	2031910.8000	442.5118	1205.0871	365.0080	300.0054
3	22:36:37	5739.4758	17350.5440	30382.7860	2073499.1000	326.2564	862.5446	297.5053	242.5035
4	22:37:14	5576.8655	17530.9210	30892.1540	T 2172458.4000	322.5062	720.0311	267.5043	220.0029
5	22:37:51	5481.8024	18059.5480	31150.6130	T 2178671.7000	271.2544	573.7698	287.5050	270.0044
x		5472.2981	17367.5900	30310.5510	T 2099647.2000	362.0082	865.0477	303.5056	253.0039
%RSD		3.668	2.736	2.513	T 3.383	21.780	27.796	12.087	12.682

Run	Time	208Pb	209Bi	220Bkg
1	22:35:24	595.0212	1221245.8000	0.0000
2	22:36:01	652.5256	1282115.1000	0.0000
3	22:36:37	607.5221	1317686.1000	0.0000
4	22:37:14	582.5204	1340164.7000	0.0000
5	22:37:51	535.0172	1346898.1000	0.0000
x		594.5213	1301622.0000	0.0000
%RSD		7.145	3.961	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	22:40:49	242469.4000	41.6668	T 5284144.0000	744254.1900	856233.7500	28415.8650	M 666952.6000	658638.8100
2	22:41:26	245156.3200	65.8336	T 5456373.9000	767349.5000	888187.8700	30480.6420	M 685384.3200	674394.7500
3	22:42:02	248627.7600	56.6669	T 5570197.2000	785866.6300	897339.8200	32947.5040	M 694884.8100	680216.8400
4	22:42:39	248214.0300	59.1669	T 5632529.5000	793271.3300	907112.8000	32008.8560	M 699709.5300	683325.0900
5	22:43:15	251302.9000	55.8335	T 5613950.8000	800638.3800	915555.5400	31233.4220	M 705544.5600	687624.3000
x		247154.0900	55.8335	T 5511439.1000	778276.0100	892885.9600	31017.2580	M 690495.1700	676839.9600
%RSD		1.379	15.831	T 2.619	2.915	2.567	5.540	M 2.186	1.663

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	22:40:49	555.0185	14728.0030	2802.9713	ID 3263.1388	73923.9370	186120.5000	13355.6940	937.5527
2	22:41:26	510.0156	14705.4640	2595.4041	ID 3265.6397	76643.3390	190293.1600	13132.8400	920.0508
3	22:42:02	495.0147	15053.5840	2507.8773	ID 3270.6417	76789.6770	191180.6300	11936.0420	1022.5627
4	22:42:39	430.0111	14665.3930	2657.9238	ID 3195.6126	76355.7160	188615.6700	12411.7360	1055.0668
5	22:43:15	422.5107	15344.1140	2447.8595	ID 3358.1765	77059.6520	186112.8300	12411.7360	1005.0606
x		482.5141	14899.3120	2602.4072	ID 3270.6419	76154.4640	188464.5600	12649.6100	988.0587
%RSD		11.598	1.966	5.303	ID 1.768	1.671	1.238	4.600	5.802

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	22:40:49	1002.5603	1450.1262	857.5441	2835.4823	905.8826	896.7149	60.0002	42.5001
2	22:41:26	937.5527	1590.1517	882.5467	2888.0003	900.0486	873.3791	65.8336	36.6667
3	22:42:02	982.5579	1507.6364	917.5505	2963.0267	896.7149	872.5457	61.6669	50.0001
4	22:42:39	1025.0630	1510.1368	870.0454	3180.6069	901.7155	933.3856	60.8336	49.1668
5	22:43:15	980.0576	1440.1244	712.5305	2857.9900	945.0536	930.8853	65.0003	49.1668
x		985.5583	1499.6351	848.0435	2945.0212	909.8830	901.3821	62.6669	45.5001
%RSD		3.285	3.995	9.315	4.761	2.191	3.297	4.142	12.729

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	22:40:49	1125810.1000	255.0039	15.0000	230.0032	60.0002	127.5010	1267697.7000	20.0000
2	22:41:26	1163810.4000	322.5062	10.0000	287.5050	48.7501	137.5011	1319510.0000	20.0000
3	22:42:02	1178274.7000	280.0047	15.0000	287.5050	66.2503	117.5008	1340109.3000	17.5000
4	22:42:39	1181488.1000	290.0051	17.5000	250.0038	75.0003	106.2507	1357840.2000	27.5000
5	22:43:15	1190566.8000	288.7550	17.5000	250.0038	60.0002	147.5013	1360407.8000	25.0000
x		1167990.0000	287.2550	15.0000	261.0041	62.0002	127.2510	1329113.0000	22.0000
%RSD		2.180	8.429	20.412	9.782	15.526	12.740	2.862	18.672

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	22:40:49	1322.6049	3335.6675	5862.0611	1970840.9000	257.5040	661.2762	225.0030	217.5028
2	22:41:26	1365.1118	3663.3050	6184.7942	T 2123087.1000	342.5070	771.2857	280.0047	217.5028
3	22:42:02	1262.5956	3510.7394	6282.3672	T 2168892.8000	328.7565	745.0333	287.5050	220.0029
4	22:42:39	1335.1069	3573.2659	6369.9336	T 2202607.1000	291.2551	760.0347	335.0067	217.5028
5	22:43:15	1507.6364	3890.9081	6409.9643	T 2220611.7000	327.5064	728.7819	315.0060	290.0051
x		1358.6111	3594.7772	6221.8241	T 2137207.9000	309.5058	733.2824	288.5051	232.5033
%RSD		6.718	5.685	3.519	T 4.686	11.217	5.906	14.469	13.833

Run	Time	208Pb	209Bi	220Bkg
1	22:40:49	532.5170	1321843.9000	0.0000
2	22:41:26	545.0178	1388736.3000	0.0000
3	22:42:02	617.5229	1423759.5000	0.0000
4	22:42:39	637.5244	1444146.8000	0.0000
5	22:43:15	657.5259	1456649.8000	0.0000
x		598.0216	1407027.2000	0.0000
%RSD		9.378	3.846	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	22:46:14	230805.1000	10.0000	TM 22746604.0000	TM 3187218.3000	TM 3664614.0000	8274.1056	TM 3148047.9000	631862.5100
2	22:46:51	233472.8900	10.8333	TM 23725799.0000	TM 3302250.6000	TM 3779916.1000	8942.2953	TM 3231760.2000	647764.0200
3	22:47:27	236168.1000	9.1667	TM 24232560.0000	TM 3396675.3000	TM 3846931.1000	10408.9970	TM 3317117.0000	661846.0800
4	22:48:04	239279.1500	12.5000	TM 24657247.0000	TM 3422198.0000	TM 3932719.3000	10504.1160	TM 3361074.5000	668759.1200
5	22:48:41	243235.4100	10.0000	TM 25021654.0000	TM 3525889.3000	TM 4013228.2000	11988.6170	TM 3430156.1000	677182.8000
x		236592.1300	10.5000	TM 24076773.0000	TM 3366846.3000	TM 3847481.7000	10023.6260	TM 3297631.1000	657482.9100
%RSD		2.057	12.036	TM 3.684	TM 3.806	TM 3.505	14.518	TM 3.345	2.726

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	22:46:14	1055.0668	27450.1360	3000.5401	ID 3845.8872	702475.8600	212079.7600	54849.9190	3830.8803
2	22:46:51	1012.5615	29316.4770	3253.1348	ID 4116.0162	715050.8300	211556.7200	51624.4110	3700.8216
3	22:47:27	1102.5729	29173.4760	3340.6695	ID 4376.1487	732724.0100	215770.2100	51128.8700	3760.8484
4	22:48:04	1075.0693	30289.9490	3170.6030	ID 4478.7032	746106.8700	217712.2500	47859.5390	3518.2425
5	22:48:41	987.5585	30395.3320	3368.1805	ID 4426.1751	752038.6700	220963.6700	48887.9830	3700.8216
x		1046.5658	29325.0740	3226.6256	ID 4248.5861	729679.2500	215616.5200	50870.1440	3702.3229
%RSD		4.446	4.040	4.597	ID 6.233	2.853	1.826	5.336	3.134

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	22:46:14	5014.0080	9450.3555	5056.5336	675840.0900	3884.2384	936.7193	94.1672	67.5003
2	22:46:51	4881.4293	10091.1060	4908.9454	696271.1700	4010.1313	930.0519	118.3342	71.6670
3	22:47:27	4923.9543	10078.5910	4901.4410	704403.8600	4025.1385	926.7182	110.8341	54.1668
4	22:48:04	4708.8300	9925.9079	4903.9425	717754.0600	4206.0612	945.0536	114.1675	51.6668
5	22:48:41	4841.4059	10203.7430	4916.4499	725272.5600	4169.3761	860.8778	108.3340	77.5004
x		4873.9255	9949.9407	4937.4625	703908.3500	4058.9891	919.8842	109.1674	64.5003
%RSD		2.305	2.977	1.353	2.746	3.210	3.666	8.414	17.348

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	22:46:14	1068383.4000	130.0010	197.5023	82.5004	3076.8179	7514.6367	1192616.1000	72.5003
2	22:46:51	1109670.0000	170.0017	242.5035	152.5014	3309.4070	7771.1217	1233388.1000	57.5002
3	22:47:27	1132294.2000	183.7520	280.0047	152.5014	3319.4110	8093.9288	1265518.2000	67.5003
4	22:48:04	1144380.2000	186.2521	280.0047	156.2515	3443.2112	7866.2109	1290198.0000	55.0002
5	22:48:41	1160689.2000	216.2528	277.5046	202.5025	3533.2489	8180.2630	1301476.6000	80.0004
x		1123083.4000	177.2519	255.5040	149.2514	3336.4192	7885.2322	1256639.4000	66.5003
%RSD		3.187	17.683	14.136	28.743	5.160	3.363	3.526	15.637

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	22:46:14	10546.6700	21369.8650	37079.8120	1904955.3000	1207.5875	2852.9883	7648.5084	6602.6146
2	22:46:51	10779.4670	22229.6100	38943.2830	1996724.4000	1232.5912	3015.5455	8136.4702	6905.3599
3	22:47:27	11024.7880	22670.7960	39164.3150	T 2115708.8000	1300.1014	3213.1193	8334.1654	7020.4560
4	22:48:04	11200.0210	23192.2280	41030.7630	T 2173023.2000	1352.6098	3225.6242	8329.1604	7225.6312
5	22:48:41	11658.1490	23701.1570	41621.1800	T 2201318.6000	1338.8575	3190.6107	8501.8347	7283.1813
x		11041.8190	22632.7310	39567.8710	T 2078346.1000	1286.3495	3099.5776	8190.0278	7007.4486
%RSD		3.840	3.960	4.574	T 6.000	4.982	5.225	4.019	3.896

Run	Time	208Pb	209Bi	220Bkg
1	22:46:14	16270.8690	1207137.3000	0.0000
2	22:46:51	17255.3460	1263239.4000	2.5000
3	22:47:27	17931.7720	1302729.1000	0.0000
4	22:48:04	18437.8750	1330096.7000	0.0000
5	22:48:41	18728.5220	1350476.3000	0.0000
x		17724.8770	1290735.8000	0.5000
%RSD		5.566	4.418	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	22:51:40	239388.0400	11.6667	TM 24901714.0000	TM 3483592.1000	TM 4013182.7000	5999.6590	TM 3317613.0000	652975.6300
2	22:52:17	240504.5100	13.3333	TM 25817915.0000	TM 3602750.3000	TM 4148395.9000	10101.1180	TM 3412667.1000	667305.4900
3	22:52:54	242231.8100	12.5000	TM 26421040.0000	TM 3678754.6000	TM 4237870.5000	7125.5451	TM 3450137.9000	675371.8200
4	22:53:31	246010.1100	7.5000	TM 26787091.0000	TM 3740351.6000	TM 4255301.3000	5516.8255	TM 3523735.3000	681527.7200
5	22:54:07	245822.1800	5.8333	TM 27067210.0000	TM 3784565.3000	TM 4347756.9000	5144.0872	TM 3579987.3000	684994.1200
x		242791.3300	10.1667	TM 26198994.0000	TM 3658002.8000	TM 4200501.5000	6777.4470	TM 3456828.1000	672434.9500
%RSD		1.247	32.478	TM 3.293	TM 3.255	TM 3.009	29.537	TM 2.929	1.902

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	22:51:40	755.0342	29399.2680	3173.1040	ID 3900.9128	1091243.1000	214821.1500	57384.4000	5171.6042
2	22:52:17	707.5300	29878.4680	3315.6595	ID 4111.0138	1126975.4000	221215.2100	53148.9500	5149.0903
3	22:52:54	777.5363	30114.3140	3140.5917	ID 4156.0361	1134826.5000	220509.3700	50080.0300	5289.1780
4	22:53:31	735.0324	30405.3680	3228.1251	ID 4070.9941	1152795.3000	219708.6300	51946.4030	5081.5489
5	22:54:07	575.0198	30894.6630	3215.6203	ID 4156.0361	1163584.4000	220357.9400	49370.8170	4933.9602
x		710.0306	30138.4160	3214.6201	ID 4078.9986	1133884.9000	219322.4600	52386.1200	5125.0763
%RSD		11.232	1.861	2.063	ID 2.591	2.458	1.173	6.049	2.546

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	22:51:40	4933.9602	11159.9680	5469.2942	995690.6700	3910.0838	993.3925	112.5008	62.5002
2	22:52:17	5266.6637	11340.2110	5684.4381	1023758.2000	4071.8279	968.3896	130.8344	65.0003
3	22:52:54	5154.0934	11432.8370	5694.4449	1047386.8000	4160.2048	981.7245	127.5010	56.6669
4	22:53:31	5109.0657	11645.6320	5501.8156	1049900.6000	4246.9152	1041.7318	115.8341	63.3336
5	22:54:07	4943.9661	11507.9400	5857.0576	1065940.7000	4175.2123	946.7204	105.0007	65.8336
x		5081.5498	11417.3180	5641.4101	1036535.4000	4112.8488	986.3918	118.3342	62.6669
%RSD		2.800	1.596	2.807	2.639	3.144	3.595	9.046	5.750

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	22:51:40	1098477.5000	165.0016	380.0087	143.7512	5331.7051	12334.1210	1214568.6000	17.5000
2	22:52:17	1139779.0000	298.7554	385.0089	290.0051	5473.0467	12808.5860	1269122.1000	25.0000
3	22:52:54	1154252.9000	205.0025	380.0087	175.0018	5721.9638	12892.4650	1292685.4000	40.0001
4	22:53:31	1171788.5000	132.5011	385.0089	121.2509	5579.3671	13499.6760	1308586.8000	20.0000
5	22:54:07	1185009.4000	153.7514	400.0096	113.7508	5825.7857	13422.0500	1324292.0000	45.0001
x		1149861.5000	191.0024	386.0089	168.7520	5586.3737	12991.3800	1281851.0000	29.5001
%RSD		2.910	34.424	2.129	42.575	3.506	3.690	3.338	41.689

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	22:51:40	13335.6620	22740.9870	40666.4840	1948240.9000	1808.9463	4248.5828	6099.7316	5316.6955
2	22:52:17	13843.9900	23706.1710	41548.3180	T 2112284.4000	1900.2166	4499.9647	6322.3975	5591.8755
3	22:52:54	14422.4700	24593.7380	42729.2670	T 2175265.0000	1888.9641	4486.2072	6517.5477	5797.0156
4	22:53:31	14605.2880	24576.1860	43819.9090	T 2202130.5000	1802.6950	4610.0248	6647.6504	5676.9330
5	22:54:07	14515.1300	25032.5410	44302.4500	T 2232967.7000	1916.4703	4617.5289	6757.7389	5947.1213
x		14144.5080	24129.9250	42613.2860	T 2134177.7000	1863.4585	4492.4617	6469.0132	5665.9282
%RSD		3.826	3.786	3.568	T 5.297	2.874	3.321	4.057	4.175

Run	Time	208Pb	209Bi	220Bkg
1	22:51:40	13290.5900	1239324.7000	0.0000
2	22:52:17	13886.5610	1291990.2000	0.0000
3	22:52:54	14144.4940	1332927.6000	0.0000
4	22:53:31	14257.1860	1351655.2000	2.5000
5	22:54:07	14672.9060	1369625.5000	0.0000
x		14050.3470	1317104.6000	0.5000
%RSD		3.635	3.960	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	22:57:06	239665.8600	7.5000	TM 25138513.0000	TM 3526768.6000	TM 4044016.4000	16939.7000	TM 3359325.6000	656287.4800
2	22:57:42	244088.1400	6.6667	TM 26258350.0000	TM 3683759.9000	TM 4200870.1000	18109.6560	TM 3491746.1000	672785.9300
3	22:58:19	243009.8100	9.1667	TM 26879642.0000	TM 3757622.2000	TM 4283745.6000	19004.1450	TM 3497815.1000	677731.0400
4	22:58:57	244330.0800	7.5000	TM 26990453.0000	TM 3789705.9000	TM 4335127.5000	18648.3420	TM 3586304.2000	688640.8100
5	22:59:33	246902.5900	10.8333	TM 27110050.0000	TM 3821045.5000	TM 4374085.0000	18234.9290	TM 3611284.8000	691851.0600
x		243599.3000	8.3333	TM 26475402.0000	TM 3715780.4000	TM 4247568.9000	18187.3540	TM 3509295.2000	677459.2700
%RSD		1.076	20.000	TM 3.084	TM 3.157	TM 3.083	4.298	TM 2.823	2.091

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	22:57:06	812.5396	30583.5180	3360.6775	ID 4136.0261	1006717.5000	219652.1700	55433.7630	4146.0311
2	22:57:42	782.5367	31910.9820	3235.6280	ID 4428.6765	1034800.3000	225056.0200	54301.3440	4088.5027
3	22:58:19	742.5331	31062.7860	3430.7060	ID 4341.1304	1050827.2000	226679.1400	51971.5590	4318.6187
4	22:58:57	767.5354	32171.9830	3308.1565	ID 4396.1593	1067245.5000	225364.1900	54125.2030	4448.6871
5	22:59:33	647.5252	31755.3890	3263.1388	ID 4438.6818	1065932.2000	226869.2100	50912.5520	4311.1149
x		750.5340	31496.9320	3319.6614	ID 4348.1348	1045104.5000	224724.1400	53348.8840	4262.5909
%RSD		8.383	2.080	2.353	ID 2.864	2.410	1.310	3.468	3.400

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	22:57:06	4948.9691	10356.4310	5369.2292	751036.5600	4306.1123	995.8928	114.1675	58.3335
2	22:57:42	4976.4855	10549.1730	5341.7115	776507.3100	4381.9851	980.0576	137.5011	60.0002
3	22:58:19	4856.4147	10701.8670	5596.8789	787843.3500	4463.6952	1008.3943	119.1675	53.3335
4	22:58:57	5214.1307	11037.3040	5151.5918	796226.7400	4547.9073	988.3919	139.1678	70.0003
5	22:59:33	4953.9721	10929.6630	5641.9092	804607.2000	4475.3681	1040.0649	115.8341	67.5003
x		4989.9944	10714.8880	5420.2641	783244.2300	4435.0136	1002.5603	125.1676	61.8336
%RSD		2.675	2.582	3.705	2.654	2.098	2.335	9.721	11.048

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	22:57:06	1107429.3000	118.7509	302.5055	108.7507	4098.5076	10013.5130	1225974.2000	32.5001
2	22:57:42	1144006.2000	136.2511	285.0049	147.5013	4424.9245	10295.1050	1274468.3000	45.0001
3	22:58:19	1168567.2000	193.7523	370.0082	157.5015	4610.0248	10459.0590	1302607.0000	27.5000
4	22:58:57	1177950.9000	167.5017	305.0056	147.5013	4398.6606	10726.9000	1314977.9000	25.0000
5	22:59:33	1178913.8000	138.7512	382.5088	120.0009	4610.0248	10865.8290	1332636.0000	30.0001
x		1155373.5000	151.0014	329.0066	136.2511	4428.4285	10472.0810	1290132.7000	32.0001
%RSD		2.620	19.611	13.386	15.242	4.733	3.244	3.229	24.332

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	22:57:06	13100.2890	23036.7980	41103.6210	T 2034370.7000	1526.3898	3770.8530	3650.7995	3200.6145
2	22:57:42	13671.2050	24287.8420	42724.2420	T 2111648.9000	1623.9082	3847.1378	3898.4116	3588.2724
3	22:58:19	14407.4440	24603.7670	43933.0020	T 2174117.6000	1636.4107	3952.1870	3985.9530	3565.7627
4	22:58:57	14021.7870	25293.3270	43842.5270	T 2204301.7000	1640.1614	4183.5499	4233.5751	3403.1948
5	22:59:33	14570.2260	25802.3840	44862.9370	T 2221882.6000	1731.4299	4102.2595	4203.5599	3545.7542
x		13954.1900	24604.8240	43293.2660	T 2149264.3000	1631.6600	3971.1974	3994.4599	3460.7197
%RSD		4.238	4.295	3.326	T 3.569	4.461	4.328	5.981	4.693

Run	Time	208Pb	209Bi	220Bkg
1	22:57:06	8136.4702	1228637.0000	0.0000
2	22:57:42	8426.7585	1279285.7000	0.0000
3	22:58:19	8862.2098	1327555.2000	0.0000
4	22:58:57	8707.0464	1350978.8000	0.0000
5	22:59:33	8932.2846	1366284.1000	0.0000
x		8612.9539	1310548.2000	0.0000
%RSD		3.827	4.302	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	23:02:31	233935.6000	13.3333	TM 45253327.0000	TM 6365373.0000	TM 7247581.2000	15847.5540	TM 6224403.9000	655731.1400
2	23:03:07	237253.2800	12.5000	TM 47246912.0000	TM 6659785.2000	TM 7625914.2000	16105.5480	TM 6535016.6000	675002.3600
3	23:03:44	239047.6500	19.1667	TM 48115001.0000	TM 6770691.4000	TM 7735004.0000	16361.0450	TM 6620543.0000	688085.1000
4	23:04:21	239019.3500	7.5000	TM 48967568.0000	TM 6890210.4000	TM 7845504.8000	17097.5220	TM 6774916.2000	689425.6400
5	23:04:57	240220.6600	18.3334	TM 49338983.0000	TM 6901686.6000	TM 7899116.7000	16513.8460	TM 6866041.8000	699225.0400
x		237895.3100	14.1667	TM 47784358.0000	TM 6717549.3000	TM 7670624.2000	16385.1030	TM 6604184.3000	681493.8600
%RSD		1.032	33.535	TM 3.410	TM 3.278	TM 3.374	2.882	TM 3.763	2.463

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	23:02:31	992.5591	30884.6260	3328.1645	ID 8879.7285	2070942.4000	335614.8400	107129.2000	20304.7070
2	23:03:07	1022.5627	32008.8560	3475.7247	ID 9352.7455	2119696.3000	344743.8900	106858.2600	20956.3170
3	23:03:44	902.5489	31368.9300	3180.6069	ID 9613.0414	2148814.5000	346322.3600	102415.4900	21184.3930
4	23:04:21	865.0449	31938.5870	3510.7394	ID 9835.8012	2175961.8000	353580.3100	96761.0190	20878.6220
5	23:04:57	847.5431	32337.6220	3328.1645	ID 9562.9839	T 2176912.6000	350209.8700	94963.0130	21352.3200
x		926.0517	31707.7240	3364.6800	ID 9448.8601	T 2138465.5000	346094.2500	101625.4000	20935.2720
%RSD		8.395	1.821	3.938	ID 3.826	T 2.079	1.963	5.530	1.907

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	23:02:31	13573.5450	15329.0860	8254.0858	T 2365389.8000	3713.3271	952.5544	126.6676	102.5006
2	23:03:07	13626.1310	15915.1830	8324.1554	2526648.3000	3920.0885	975.0570	111.6674	94.1672
3	23:03:44	13065.2340	15987.8220	8294.1255	T 2479796.9000	3890.9081	963.3890	121.6676	88.3338
4	23:04:21	13688.7340	16473.7670	8269.1006	T 2494244.1000	4060.1555	963.3890	112.5008	90.0005
5	23:04:57	13212.9670	16601.5200	8414.2458	T 2520258.0000	4045.9820	1018.3956	97.5006	104.1673
x		13433.3220	16061.4760	8311.1426	T 2477267.4000	3926.0922	974.5570	114.0008	95.8339
%RSD		2.059	3.151	0.764	T 2.639	3.577	2.644	9.799	7.506

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	23:02:31	1095464.3000	93.7505	695.0290	71.2503	11069.8480	26243.7590	1208395.3000	27.5000
2	23:03:07	1138760.3000	116.2508	742.5331	93.7505	11491.6680	27284.5940	1250253.4000	25.0000
3	23:03:44	1153478.4000	140.0012	882.5467	98.7506	11884.7190	27810.0770	1281577.3000	37.5001
4	23:04:21	1173985.4000	141.2512	777.5363	106.2507	12072.4880	28558.8530	1300009.4000	25.0000
5	23:04:57	1181668.7000	141.2512	810.0394	126.2510	11864.6900	28319.2870	1314230.0000	45.0001
x		1148671.4000	126.5010	781.5369	99.2506	11676.6830	27643.3140	1270893.1000	32.0001
%RSD		2.978	16.746	9.056	20.104	3.420	3.340	3.332	27.842

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	23:02:31	23515.6320	17829.0520	31331.2880	T 1999773.7000	3143.0926	7303.1988	11608.0790	10351.4250
2	23:03:07	24651.4080	18778.6340	32854.6380	T 2097686.6000	3283.1466	7663.5222	12346.6400	10701.8670
3	23:03:44	25396.1390	19445.1600	33266.2660	T 2151276.6000	3413.1989	7985.0739	12559.4570	10957.1990
4	23:04:21	25684.5210	19517.8300	34576.5840	T 2195264.1000	3309.4070	8030.1171	12622.0520	10957.1990
5	23:04:57	25508.9830	19668.1830	34353.1630	T 2208202.6000	3493.2320	8269.1006	13227.9900	11235.0690
x		24951.3370	19047.7720	33276.3880	T 2130440.7000	3328.4154	7850.2025	12472.8440	10840.5520
%RSD		3.583	4.000	3.921	T 3.985	4.006	4.767	4.681	3.064

Run	Time	208Pb	209Bi	220Bkg
1	23:02:31	25458.8300	1180037.5000	0.0000
2	23:03:07	26449.4080	1240210.6000	0.0000
3	23:03:44	27916.6820	1273890.3000	2.5000
4	23:04:21	27663.3400	1297563.5000	0.0000
5	23:04:57	28297.9650	1312941.1000	0.0000
x		27157.2450	1260928.6000	0.5000
%RSD		4.326	4.194	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	23:07:53	244512.8300	13.3333	TM 23870389.0000	TM 3309758.6000	TM 3766080.8000	25842.5080	TM 3246495.4000	671416.8500
2	23:08:30	241675.1600	10.0000	TM 24370805.0000	TM 3433223.2000	TM 3923981.2000	25476.3830	TM 3292593.3000	681132.2700
3	23:09:06	245182.0600	9.1667	TM 24782208.0000	TM 3465960.7000	TM 3984829.4000	25699.5670	TM 3392358.9000	690102.0900
4	23:09:43	248533.3400	14.1667	TM 25190894.0000	TM 3539665.2000	TM 4052117.4000	26003.0060	TM 3406454.6000	694678.6400
5	23:10:19	247011.5900	10.0000	TM 25212532.0000	TM 3532675.8000	TM 4075532.8000	26574.8060	TM 3422181.6000	697285.9800
x		245382.9900	11.3333	TM 24685366.0000	TM 3456256.7000	TM 3960508.3000	25919.2540	TM 3352016.7000	686923.1700
%RSD		1.061	19.867	TM 2.315	TM 2.702	TM 3.127	1.599	TM 2.319	1.547

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	23:07:53	750.0338	19760.9020	2965.5276	ID 6164.7794	1042211.8000	266958.6000	58076.6710	11104.8940
2	23:08:30	742.5331	19465.2070	2775.4621	ID 6525.0536	1066753.0000	268034.8300	56797.9030	11200.0210
3	23:09:06	660.0261	19618.0650	2692.9350	ID 6470.0107	1068207.8000	270076.7000	52273.4380	10654.3070
4	23:09:43	702.5296	19991.4510	2765.4588	ID 6765.2450	1091314.0000	273009.9900	50095.1200	10867.0810
5	23:10:19	635.0242	20445.0490	2807.9730	ID 6434.9836	1089537.6000	269276.4100	50017.1540	10882.1010
x		698.0294	19856.1350	2801.4713	ID 6472.0145	1071604.8000	269471.3100	53452.0570	10941.6810
%RSD		7.206	1.924	3.601	ID 3.319	1.872	0.856	7.065	1.966

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	23:07:53	7393.2782	9197.5729	4558.7466	1308144.8000	1807.6960	1017.5621	85.8338	66.6669
2	23:08:30	7100.5238	9102.4686	4571.2534	1336739.4000	1892.7149	999.2266	114.1675	70.0003
3	23:09:06	7180.5923	9485.3953	4723.8385	1357892.8000	1890.2144	980.0576	91.6672	76.6670
4	23:09:43	7220.6269	9605.5328	4911.4469	1373576.0000	1880.2121	1047.5658	82.5004	72.5003
5	23:10:19	6965.4098	9537.9552	4928.9572	1377788.9000	1880.2121	996.7263	102.5006	79.1670
x		7172.0862	9385.7850	4738.8485	1350828.4000	1870.2099	1008.2277	95.3339	73.0003
%RSD		2.196	2.365	3.755	2.131	1.893	2.549	13.621	6.878

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	23:07:53	1128993.1000	80.0004	400.0096	48.7501	5995.9063	13746.3280	1250900.6000	12.5000
2	23:08:30	1152478.1000	71.2503	460.0127	75.0003	6037.1861	14352.3490	1293919.2000	25.0000
3	23:09:06	1181640.0000	96.2506	427.5110	55.0002	6359.9260	14645.3580	1323391.9000	37.5001
4	23:09:43	1204574.4000	66.2503	382.5088	77.5004	6232.3296	15176.3070	1337284.9000	35.0001
5	23:10:19	1196006.9000	77.5004	410.0101	47.5001	6344.9146	14933.3680	1344989.8000	40.0001
x		1172738.5000	78.2504	416.0104	60.7502	6194.0525	14570.7420	1310097.3000	30.0001
%RSD		2.682	14.580	7.093	23.801	2.745	3.807	2.931	37.731

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	23:07:53	12401.7210	9177.5509	16218.2670	1953016.7000	1578.8996	3700.8216	6002.1608	5136.5826
2	23:08:30	13075.2500	9545.4638	16902.1240	T 2113537.7000	1580.1498	3835.8826	6399.9566	5556.8521
3	23:09:06	13430.8140	9710.6545	17049.9240	T 2176606.5000	1748.9335	4113.5150	6640.1444	5787.0087
4	23:09:43	13210.4630	10046.0520	17285.4090	T 2216763.6000	1715.1765	4099.7582	6675.1724	5629.4008
5	23:10:19	13803.9230	9990.9856	17841.5790	T 2237045.2000	1821.4490	4248.5828	6802.7755	5989.6518
x		13184.4340	9694.1413	17059.4600	T 2139393.9000	1688.9217	3999.7120	6504.0420	5619.8992
%RSD		3.922	3.651	3.462	T 5.345	6.335	5.606	4.861	5.643

Run	Time	208Pb	209Bi	220Bkg
1	23:07:53	13215.4710	1244410.6000	0.0000
2	23:08:30	13946.6610	1298745.7000	0.0000
3	23:09:06	14307.2710	1341899.8000	0.0000
4	23:09:43	14432.4870	1358865.1000	0.0000
5	23:10:19	14472.5560	1377888.6000	0.0000
x		14074.8890	1324361.9000	0.0000
%RSD		3.717	4.033	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	23:13:15	243161.6400	10.0000	TM 21105741.0000	TM 2979790.5000	TM 3383105.7000	7050.4813	TM 2934590.6000	671337.0400
2	23:13:52	246494.9500	6.6667	TM 21705053.0000	TM 3043281.5000	TM 3497292.8000	7125.5451	TM 3000252.7000	684285.5500
3	23:14:28	248222.6200	10.8333	TM 22186526.0000	TM 3117775.1000	TM 3597508.0000	7993.8322	TM 3060642.0000	697720.1600
4	23:15:05	247792.6000	12.5000	TM 22502410.0000	TM 3167918.5000	TM 3636988.8000	7851.1967	TM 3101950.0000	696507.2300
5	23:15:42	248907.6000	5.0000	TM 22661516.0000	TM 3160929.1000	TM 3633120.4000	7836.1826	TM 3117624.9000	699419.1000
x		246915.8800	9.0000	TM 22032249.0000	TM 3093939.0000	TM 3549603.1000	7571.4476	TM 3043012.0000	689853.8200
%RSD		0.922	34.272	TM 2.876	TM 2.612	TM 3.066	5.895	TM 2.488	1.733

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	23:13:15	760.0347	33075.5090	3943.4328	ID 5161.5980	1859578.3000	240066.3100	52894.8410	7255.6573
2	23:13:52	685.0282	33733.1380	3928.4257	ID 5284.1748	1889289.5000	239942.8300	48468.0400	7125.5451
3	23:14:28	702.5296	33996.7050	3770.8530	ID 5266.6637	1929526.1000	245900.2700	48840.2040	7218.1247
4	23:15:05	642.5248	34049.4200	3813.3723	ID 5204.1245	1946974.8000	243336.6400	47022.2930	7668.5268
5	23:15:42	677.5275	33863.6650	3840.8849	ID 5371.7308	1946588.1000	245202.6600	46469.2030	7385.7715
x		693.5290	33743.6880	3859.3938	ID 5257.6584	1914391.4000	242889.7400	48738.9160	7330.7251
%RSD		6.216	1.165	1.927	ID 1.530	2.017	1.151	5.176	2.874

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	23:13:15	5006.5035	6887.8454	3483.2278	620588.2500	3456.5500	1020.8959	130.8344	47.5001
2	23:13:52	5144.0872	7060.4898	3295.6516	633120.3000	3653.3006	1085.9041	131.6677	72.5003
3	23:14:28	4853.9132	6922.8744	3548.2552	641867.9700	3573.2659	1093.4051	137.5011	63.3336
4	23:15:05	4838.9045	7075.5025	3430.7060	648009.5500	3593.2745	1067.5684	136.6678	61.6669
5	23:15:42	4871.4234	7325.7186	3353.1745	649096.9800	3694.1520	1085.0706	135.8344	64.1669
x		4942.9664	7054.4861	3422.2030	638536.6100	3594.1086	1070.5688	134.5011	61.8336
%RSD		2.645	2.446	2.939	1.859	2.522	2.741	2.260	14.621

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	23:13:15	1129261.1000	91.2505	155.0014	58.7502	2527.8834	5907.0929	1252807.8000	27.5000
2	23:13:52	1160989.6000	125.0009	200.0024	151.2514	2631.6655	6253.5956	1294421.5000	27.5000
3	23:14:28	1191780.8000	305.0056	187.5021	265.0042	2670.4278	6358.6750	1322850.1000	15.0000
4	23:15:05	1203099.9000	240.0035	225.0030	232.5032	2745.4522	6267.3559	1342651.4000	27.5000
5	23:15:42	1207857.6000	168.7517	215.0028	163.7516	2595.4041	6555.0771	1339820.4000	17.5000
x		1178597.8000	186.0024	196.5024	174.2521	2634.1666	6268.3593	1310510.2000	23.0000
%RSD		2.806	46.618	13.867	45.919	3.090	3.751	2.863	27.065

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	23:13:15	11825.8850	25556.6280	43990.8060	1955332.2000	803.7888	1982.7358	12827.3650	10781.9710
2	23:13:52	12401.7210	26048.1470	46418.9240	T 2125346.5000	831.2915	2003.9909	13353.1900	11425.3270
3	23:14:28	13200.4470	26850.6880	47411.9910	T 2177524.3000	991.3090	2282.8126	13793.9070	11645.6320
4	23:15:05	12990.1170	27663.3400	47927.4270	T 2217699.2000	978.8075	2141.5251	13796.4110	11708.2190
5	23:15:42	12887.4570	27781.2310	48332.2550	T 2239887.1000	942.5533	2295.3161	13773.8740	12058.7180
x		12661.1250	26780.0070	46816.2810	T 2143157.9000	909.5500	2141.2761	13508.9490	11523.9730
%RSD		4.353	3.649	3.704	T 5.304	9.502	6.917	3.147	4.105

Run	Time	208Pb	209Bi	220Bkg
1	23:13:15	27139.1200	1240881.6000	0.0000
2	23:13:52	29040.5130	1295051.6000	0.0000
3	23:14:28	29630.0830	1333780.5000	0.0000
4	23:15:05	30104.2780	1361548.5000	0.0000
5	23:15:42	30059.1150	1360046.6000	0.0000
x		29194.6220	1318261.7000	0.0000
%RSD		4.200	3.866	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	23:18:38	241164.8500	135752.6300	694730.1800	94912.4420	110168.4400	615393.4200	23911.7570	672171.7100
2	23:19:14	242429.0900	136168.5000	700537.4400	98063.6130	113497.6800	615799.3200	24819.4050	678862.8300
3	23:19:51	240320.1400	134710.9300	708478.4900	98615.0640	112549.9500	611123.2000	24939.7640	682271.2700
4	23:20:27	237260.9900	134854.0500	709837.1300	99713.0130	112291.5000	608077.0200	24633.8560	675442.1900
5	23:21:04	235308.4500	132903.0800	700754.6100	99935.6560	112479.0000	606774.5300	24134.8990	669728.7900
x		239296.7100	134877.8300	702867.5700	98247.9580	112197.3100	611433.5000	24487.9360	675695.3600
%RSD		1.225	0.935	0.889	2.054	1.093	0.673	1.817	0.745

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	23:18:38	462.5128	832150.1100	786214.7900	ID 79070.8610	1019976.3000	1396078.6000	29903.5570	1011596.2000
2	23:19:14	395.0094	837442.9900	788959.3900	ID 80135.9630	1037347.2000	1411363.6000	30277.4040	1017411.9000
3	23:19:51	395.0094	839778.9400	789880.8400	ID 80888.1780	1040267.3000	1422259.0000	30397.8410	1023203.3000
4	23:20:27	315.0060	831698.1500	790423.8900	ID 81403.1560	1034256.1000	1420133.0000	30796.8020	1022476.7000
5	23:21:04	262.5041	823344.0000	779385.8200	ID 80436.3360	1025220.1000	1395605.9000	29983.8450	1016888.4000
x		366.0083	832882.8400	786972.9500	ID 80386.8990	1031413.4000	1409088.0000	30271.8900	1018315.3000
%RSD		21.299	0.762	0.577	ID 1.092	0.827	0.906	1.180	0.464

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	23:18:38	224824.9100	559622.7100	270025.0600	163990.3500	142126.7500	37952.8960	15352.4620	40.0001
2	23:19:14	227421.4600	559943.2000	270435.5600	164903.1000	143322.8100	38595.0010	15377.5080	50.0001
3	23:19:51	229969.9800	569071.5100	273304.4100	165660.4000	142941.3400	38608.3960	15808.3130	55.8335
4	23:20:27	227606.4000	564572.9500	271814.3500	165558.4000	143795.0100	38039.1210	15489.3820	51.6668
5	23:21:04	226709.9600	559681.4700	271827.2600	166282.6100	142876.0700	38352.2180	15461.8310	50.0001
x		227306.5400	562578.3700	271481.3300	165278.9700	143012.4000	38309.5260	15497.8990	49.5001
%RSD		0.815	0.745	0.479	0.527	0.431	0.797	1.178	11.760

Run	Time	89Y	[illegible]	108Mo O	[illegible]	111Cd	114Cd	115In	118Sn
1	23:18:38	1146433.3000	747651.5400	9960.9497	730895.9600	152117.0700	361529.4600	1285028.1000	37.5001
2	23:19:14	1167304.8000	761261.0300	10221.2650	746853.2400	156086.9800	369832.1500	1323453.1000	32.5001
3	23:19:51	1175758.7000	771628.8800	10651.8030	752012.7300	157039.6200	373655.9300	1336211.4000	12.5000
4	23:20:27	1175959.3000	773299.8900	10676.8350	758355.7100	157950.3500	374361.5700	1343065.9000	42.5001
5	23:21:04	1181631.4000	774728.9100	10569.1980	756518.1700	157912.1300	374579.8000	1337089.5000	35.0001
x		1169417.5000	765714.0500	10416.0100	748927.1600	156221.2300	370791.7800	1324969.6000	32.0001
%RSD		1.183	1.489	3.006	1.471	1.548	1.489	1.769	35.971

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	23:18:38	414474.7500	98235.6210	172680.7700	1936201.4000	585157.7300	1445202.2000	497083.6600	391602.4200
2	23:19:14	433012.6100	101193.2000	176721.6700	2004395.5000	613020.2200	1496026.0000	512137.9600	405921.2700
3	23:19:51	440626.5600	103351.9500	179729.9900	2045836.1000	623067.1100	1529206.7000	525877.8100	416113.4600
4	23:20:27	444164.6700	102653.3900	180095.2500	T 2125099.4000	627538.3900	1540234.2000	530470.6400	420014.5500
5	23:21:04	444805.0100	102845.7400	181260.1000	T 2139308.8000	632133.1800	1553718.8000	532863.8100	423580.9300
x		435416.7200	101655.9800	178097.5600	T 2050168.2000	616183.3300	1512877.6000	519686.7800	411446.5200
%RSD		2.896	2.040	1.943	T 4.129	3.040	2.871	2.880	3.138

Run	Time	208Pb	209Bi	220Bkg
1	23:18:38	999125.0700	1313901.2000	0.0000
2	23:19:14	1052126.9000	1375686.6000	0.0000
3	23:19:51	1069762.1000	1399450.2000	2.5000
4	23:20:27	1080836.2000	1420545.2000	0.0000
5	23:21:04	1084666.8000	1424249.9000	0.0000
x		1057303.4000	1386766.6000	0.5000
%RSD		3.300	3.253	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	23:24:00	232935.6700	20.8334	605.0220	85.0004	80.0004	1125.0759	572.5197	647447.0000
2	23:24:37	235651.2700	25.0000	825.0408	120.0009	150.0014	1045.0655	647.5252	664500.3400
3	23:25:13	239951.4000	35.8334	1880.2121	290.0051	345.0071	1190.0850	692.5288	678944.0600
4	23:25:50	241187.1500	40.8334	1775.1891	210.0027	270.0044	1162.5811	712.5305	693072.8400
5	23:26:27	245573.3400	36.6667	2340.3286	325.0063	365.0080	1232.5912	692.5288	702674.0700
x		239059.7700	31.8334	1485.1585	206.0031	242.0043	1151.0797	663.5266	677327.6600
%RSD		2.059	26.658	49.730	50.489	51.126	6.176	8.466	3.260

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	23:24:00	507.5155	705.0298	1955.2293	ID 3083.0702	250.0038	166134.7000	1670.1674	62.5002
2	23:24:37	377.5086	697.5292	1917.7206	ID 2898.0038	305.0056	167965.8600	1597.6531	110.0007
3	23:25:13	280.0047	867.5452	1892.7149	ID 3043.0555	475.0135	170072.9600	1570.1479	230.0032
4	23:25:50	302.5055	755.0342	2000.2400	ID 3223.1232	397.5095	175266.4200	1612.6560	197.5023
5	23:26:27	327.5064	892.5478	2177.7845	ID 3480.7268	467.5131	175567.6600	1632.6599	310.0058
x		359.0081	783.5372	1988.7379	ID 3145.5959	379.0091	171001.5200	1616.6569	182.0025
%RSD		25.232	11.647	5.692	ID 7.002	26.223	2.495	2.327	53.830

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	23:24:00	25.0000	260.0041	165.0016	225.0030	39.1668	939.2196	60.0002	56.6669
2	23:24:37	60.0002	357.5077	140.0012	262.5041	40.0001	917.5505	57.5002	45.0001
3	23:25:13	97.5006	385.0089	180.0019	330.0065	53.3335	904.2157	51.6668	55.8335
4	23:25:50	90.0005	370.0082	165.0016	382.5088	55.8335	974.2236	52.5002	53.3335
5	23:26:27	102.5006	382.5088	192.5022	432.5112	50.0001	970.8899	49.1668	59.1669
x		75.0004	351.0075	168.5017	326.5067	47.6668	941.2199	54.1668	54.0002
%RSD		43.269	14.826	11.664	25.981	16.090	3.319	8.213	10.084

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	23:24:00	1113336.7000	101.2506	15.0000	76.2503	13.7500	31.2501	1238288.8000	12.5000
2	23:24:37	1146350.5000	121.2509	12.5000	106.2507	13.7500	37.5001	1284207.3000	22.5000
3	23:25:13	1173581.5000	168.7517	10.0000	112.5008	33.7501	87.5005	1321877.4000	27.5000
4	23:25:50	1197931.2000	155.0014	10.0000	108.7507	42.5001	81.2504	1356770.1000	20.0000
5	23:26:27	1205517.2000	152.5014	2.5000	145.0013	38.7501	121.2509	1367816.3000	32.5001
x		1167343.4000	139.7512	10.0000	109.7508	28.5001	71.7504	1313792.0000	23.0000
%RSD		3.259	19.794	46.771	22.252	48.484	52.157	4.065	32.969

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	23:24:00	927.5516	7.5000	10.0000	1854810.1000	86.2504	233.7533	110.0007	92.5005
2	23:24:37	1190.0850	17.5000	12.5000	1936668.6000	120.0009	271.2544	137.5011	112.5008
3	23:25:13	1122.5756	35.0001	22.5000	T 2083477.2000	198.7524	500.0150	197.5023	165.0016
4	23:25:50	992.5591	42.5001	47.5001	T 2122928.3000	173.7518	462.5128	192.5022	162.5016
5	23:26:27	825.0408	25.0000	50.0001	T 2157313.4000	236.2534	518.7662	227.5031	205.0025
x		1011.5624	25.5000	28.5001	T 2031039.5000	163.0018	397.2603	173.0019	147.5014
%RSD		14.529	54.321	66.978	T 6.377	36.936	33.817	27.692	30.485

Run	Time	208Pb	209Bi	220Bkg
1	23:24:00	282.5048	1268398.3000	0.0000
2	23:24:37	295.0052	1331525.1000	0.0000
3	23:25:13	397.5095	1366647.0000	0.0000
4	23:25:50	372.5083	1397582.2000	0.0000
5	23:26:27	487.5143	1418856.8000	0.0000
x		367.0084	1356601.9000	0.0000
%RSD		22.718	4.371	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	23:29:24	231283.9400	12.5000	TM 35281704.0000	TM 4960793.7000	TM 5659270.1000	16253.3350	TM 4500966.4000	653884.1300
2	23:30:01	234012.7200	25.8334	TM 37185203.0000	TM 5197464.3000	TM 5907509.8000	16553.9260	TM 4658524.1000	671318.1000
3	23:30:37	237317.5700	15.8333	TM 38453875.0000	TM 5364826.9000	TM 6142164.6000	17455.7630	TM 4828428.5000	688100.0100
4	23:31:14	240404.1800	36.6667	TM 39059807.0000	TM 5461731.8000	TM 6236235.8000	17681.2380	TM 4924069.9000	693656.0000
5	23:31:51	239858.7900	33.3334	TM 39826282.0000	TM 5574171.2000	TM 6382690.2000	17325.4920	TM 4978886.2000	702352.3200
x		236575.4400	24.8334	TM 37961374.0000	TM 5311797.6000	TM 6065574.1000	17053.9510	TM 4778175.0000	681862.1100
%RSD		1.645	42.539	TM 4.696	TM 4.518	TM 4.704	3.614	TM 4.123	2.832

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	23:29:24	987.5585	28157.4900	3435.7081	ID 4371.1461	1188882.3000	238396.9000	78793.2500	16929.6790
2	23:30:01	885.0470	29183.5110	3430.7060	ID 4811.3886	1230706.6000	240642.5800	75664.4540	17583.5310
3	23:30:37	790.0375	29173.4760	3520.7436	ID 4933.9602	1254293.4000	244868.0300	71858.4880	17871.6430
4	23:31:14	790.0375	29642.6280	3573.2659	ID 5101.5611	1283221.3000	248910.1800	70459.1150	17661.1950
5	23:31:51	855.0439	30553.4080	3573.2659	ID 5036.5215	1300093.6000	251362.1500	71651.7200	18152.2490
x		861.5449	29342.1030	3506.7379	ID 4850.9155	1251439.4000	244835.9700	73685.4050	17639.6600
%RSD		9.483	2.959	2.010	ID 5.974	3.512	2.221	4.696	2.573

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	23:29:24	10842.0480	14329.8100	7037.9707	1748137.6000	2622.9127	937.5527	114.1675	73.3337
2	23:30:01	10979.7290	14707.9680	7083.0089	1811008.0000	2702.1047	907.5494	110.8341	72.5003
3	23:30:37	10807.0030	15421.7570	7450.8294	1856820.3000	2926.3471	947.5539	115.8341	79.1670
4	23:31:14	10689.3510	15281.4990	7475.8518	1885593.3000	2917.1772	936.7193	128.3343	93.3339
5	23:31:51	11350.2240	15499.4000	7593.4581	1909174.8000	2964.6939	979.2242	105.0007	93.3339
x		10933.6710	15048.0870	7328.2238	1842146.8000	2826.6471	941.7199	114.8341	82.3337
%RSD		2.331	3.371	3.422	3.476	5.429	2.734	7.496	12.589

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	23:29:24	1083441.8000	153.7514	752.5340	155.0014	10992.2450	25700.8210	1175529.5000	35.0001
2	23:30:01	1130227.3000	136.2511	862.5446	135.0011	11394.0340	26894.5790	1231940.6000	15.0000
3	23:30:37	1166345.9000	151.2514	752.5340	148.7513	11426.5790	27397.4630	1275389.5000	20.0000
4	23:31:14	1189218.0000	217.5028	880.0465	180.0019	12102.5320	28415.8650	1304432.2000	10.0000
5	23:31:51	1206290.6000	196.2523	807.5391	183.7520	12046.2000	28607.7700	1324670.7000	35.0001
x		1155104.7000	171.0018	811.0396	160.5016	11592.3180	27403.3000	1262392.5000	23.0000
%RSD		4.255	20.035	7.365	12.993	4.076	4.331	4.734	50.047

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	23:29:24	9104.9713	42023.1900	73240.4420	1872106.5000	2016.4939	4636.2894	1220.0893	1125.0759
2	23:30:01	10096.1120	44355.2300	77536.5450	1981976.9000	2106.5162	5030.2678	1295.1006	1162.5811
3	23:30:37	10669.3260	45466.1930	79994.6140	T 2131453.9000	2119.0194	5267.9145	1470.1297	1127.5763
4	23:31:14	10769.4540	46803.5660	82410.4840	T 2197700.0000	2334.0768	5573.1130	1550.1442	1262.5956
5	23:31:51	10769.4540	47972.6860	83521.4630	T 2248642.2000	2350.3314	5498.0631	1445.1253	1352.6098
x		10281.8640	45324.1730	79340.7100	T 2086375.9000	2185.2876	5201.1295	1396.1178	1206.0877
%RSD		6.954	5.062	5.189	T 7.486	6.805	7.316	9.663	8.216

Run	Time	208Pb	209Bi	220Bkg
1	23:29:24	2602.9064	1138059.9000	0.0000
2	23:30:01	2852.9883	1207204.9000	0.0000
3	23:30:37	3080.5693	1258873.0000	0.0000
4	23:31:14	3230.6261	1296340.9000	0.0000
5	23:31:51	3203.1155	1317723.9000	0.0000
x		2994.0411	1243640.5000	0.0000
%RSD		8.838	5.822	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	23:34:48	248447.5100	9.1667	TM 23505821.0000	TM 3269670.9000	TM 3742915.7000	24089.7690	TM 3168969.5000	685227.1500
2	23:35:25	245580.2000	12.5000	TM 23977844.0000	TM 3339159.2000	TM 3835940.1000	23949.3650	TM 3239108.2000	695455.8800
3	23:36:01	251235.0700	18.3334	TM 24307286.0000	TM 3387048.0000	TM 3890871.9000	24272.7990	TM 3295281.9000	705028.5100
4	23:36:38	248647.5100	17.5000	TM 24395364.0000	TM 3402650.1000	TM 3904252.2000	24400.6710	TM 3317730.5000	708064.1500
5	23:37:15	250009.8700	19.1667	TM 24393287.0000	TM 3412863.7000	TM 3904570.7000	24857.0170	TM 3315981.6000	704417.4400
x		248784.0300	15.3333	TM 24115921.0000	TM 3362278.4000	TM 3855710.1000	24313.9240	TM 3267414.3000	699638.6300
%RSD		0.850	28.135	TM 1.583	TM 1.754	TM 1.792	1.436	TM 1.945	1.333

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	23:34:48	682.5280	33155.8280	3865.8965	ID 4473.7005	T 3178172.8000	234534.5900	53136.3700	18142.2270
2	23:35:25	612.5225	33401.8070	3525.7457	ID 4936.4617	T 3237336.6000	237543.0300	48588.7400	17768.9240
3	23:36:01	627.5236	34451.0660	3775.8552	ID 4656.3005	T 3285140.8000	236658.3800	49876.3130	17801.4930
4	23:36:38	595.0212	34506.2930	3795.8643	ID 4978.9870	T 3299032.4000	238579.5100	48827.6300	18295.0610
5	23:37:15	635.0242	35224.2880	3808.3700	ID 4661.3033	T 3299613.6000	238188.5600	47243.5390	18583.1970
x		630.5239	34147.8560	3754.3464	ID 4741.3506	T 3259859.2000	237100.8200	49534.5190	18118.1800
%RSD		5.211	2.502	3.519	ID 4.472	T 1.604	0.678	4.484	1.893

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	23:34:48	7773.6241	7275.6747	3858.3930	2473661.6000	2938.8515	1153.4131	146.6680	109.1674
2	23:35:25	7686.0429	7600.9649	3698.3205	T 2429359.3000	2892.1685	1139.2445	168.3350	82.5004
3	23:36:01	7706.0614	7433.3138	3948.4352	2549558.8000	2908.8409	1088.4044	154.1681	99.1673
4	23:36:38	7761.1124	7673.5314	3855.8919	T 2477921.6000	2898.0038	1145.9121	151.6681	75.8337
5	23:37:15	7876.2203	7553.4217	3658.3028	T 2468665.2000	2959.6922	1068.4018	158.3348	76.6670
x		7760.6122	7507.3813	3803.8687	T 2479833.3000	2919.5114	1119.0752	155.8348	88.6671
%RSD		0.957	2.081	3.190	T 1.755	0.986	3.407	5.240	16.702

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	23:34:48	1169248.6000	85.0004	560.0188	65.0003	8294.1255	19527.8530	1299890.3000	107.5007
2	23:35:25	1197009.2000	97.5006	560.0188	106.2507	8729.5699	20319.7430	1337769.2000	115.0008
3	23:36:01	1214534.1000	105.0007	630.0238	92.5005	8555.6397	20753.3100	1353034.5000	115.0008
4	23:36:38	1223390.1000	118.7509	627.5236	97.5006	8649.4865	20700.6790	1353399.8000	85.0004
5	23:37:15	1217245.2000	115.0008	557.5187	77.5004	8744.5857	20517.7280	1355697.2000	82.5004
x		1204285.4000	104.2507	587.0207	87.7505	8594.6815	20363.8630	1339958.2000	101.0006
%RSD		1.819	13.069	6.497	18.747	2.142	2.443	1.754	15.907

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	23:34:48	11375.2580	24786.8080	42694.0880	T 2124428.6000	1673.9181	3862.1448	6379.9413	5396.7469
2	23:35:25	12241.4850	25549.1050	45058.9900	T 2199253.3000	1795.1933	4107.2619	6560.0811	5414.2583
3	23:36:01	12504.3750	26186.0780	45483.7890	T 2219782.0000	1772.6885	4187.3017	6502.5360	5611.8890
4	23:36:38	12519.3970	26161.0000	45348.0520	T 2233832.6000	1736.4309	4253.5853	6665.1644	5917.1000
5	23:37:15	12622.0520	25762.2600	46215.2970	T 2239745.9000	1735.1806	4339.8798	6800.2735	5519.3272
x		12252.5130	25689.0500	44960.0430	T 2203408.5000	1742.6823	4150.0347	6581.5992	5571.8643
%RSD		4.163	2.227	2.973	T 2.125	2.642	4.392	2.428	3.797

Run	Time	208Pb	209Bi	220Bkg
1	23:34:48	13551.0090	1286997.7000	0.0000
2	23:35:25	14212.1090	1342499.6000	0.0000
3	23:36:01	14212.1090	1362050.2000	0.0000
4	23:36:38	14460.0350	1359799.4000	0.0000
5	23:37:15	14284.7330	1360558.4000	2.5000
x		14143.9990	1342381.1000	0.5000
%RSD		2.451	2.382	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	23:40:12	244238.2800	8.3333	TM 18907173.0000	TM 2640578.4000	TM 3010097.5000	7515.8878	TM 2630921.4000	670978.5700
2	23:40:49	243730.4000	15.0000	TM 19344618.0000	TM 2692412.8000	TM 3076111.2000	7718.5729	TM 2676432.0000	681353.0100
3	23:41:26	245705.4800	15.8333	TM 19660365.0000	TM 2759511.2000	TM 3132044.3000	7791.1404	TM 2723835.0000	690595.5600
4	23:42:02	246397.9800	21.6667	TM 19860714.0000	TM 2795811.1000	TM 3203542.0000	8224.0561	TM 2758878.3000	692683.6500
5	23:42:39	246821.9200	15.0000	TM 20017082.0000	TM 2824670.6000	TM 3220790.7000	7726.0799	TM 2781457.4000	696440.7500
x		245378.8100	15.1667	TM 19557991.0000	TM 2742596.8000	TM 3128517.2000	7795.1474	TM 2714304.8000	686410.3100
%RSD		0.549	31.179	TM 2.261	TM 2.752	TM 2.811	3.349	TM 2.254	1.495

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	23:40:12	667.5267	33221.0870	4286.1020	ID 4443.6845	925688.6200	226016.5000	47799.1940	5169.1027
2	23:40:49	717.5309	33261.2460	3955.9387	ID 4486.2072	940329.8200	222814.4800	45162.0460	5059.0352
3	23:41:26	572.5197	34014.2770	3955.9387	ID 4526.2289	960617.3500	226473.6600	44463.3040	5139.0841
4	23:42:02	590.0209	33823.5030	4108.5125	ID 4403.6632	965316.7100	228035.4000	43661.5810	5086.5519
5	23:42:39	475.0135	33848.6040	4065.9917	ID 4468.6978	973302.9600	229833.8000	42050.8290	4973.9840
x		604.5223	33633.7430	4074.4967	ID 4465.6963	953051.0900	226634.7700	44627.3910	5085.5516
%RSD		15.418	1.088	3.341	ID 1.028	2.051	1.151	4.746	1.491

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	23:40:12	4411.1672	4841.4059	2447.8595	452753.8900	2752.1210	1052.5665	166.6683	51.6668
2	23:40:49	4348.6343	5059.0352	2652.9222	461491.6800	2785.4655	1120.0753	133.3344	86.6671
3	23:41:26	4246.0815	5061.5367	2422.8522	466995.9700	2831.3142	1108.4070	159.1682	74.1670
4	23:42:02	4126.0212	5451.7827	2385.3413	469580.2900	2929.6816	1040.0649	160.8349	64.1669
5	23:42:39	4281.0994	5234.1433	2567.8956	474547.6600	2918.0108	1087.5710	160.0015	60.8336
x		4282.6007	5129.5808	2495.3742	465073.9000	2843.3186	1081.7369	156.0015	67.5003
%RSD		2.524	4.439	4.467	1.794	2.772	3.203	8.339	19.849

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	23:40:12	1119091.5000	85.0004	105.0007	63.7502	1238.8421	2906.7569	1227879.0000	50.0001
2	23:40:49	1149246.7000	152.5014	87.5005	123.7509	1312.6034	2995.5383	1272365.3000	40.0001
3	23:41:26	1164319.7000	233.7533	107.5007	223.7530	1315.1038	2975.5311	1297804.6000	22.5000
4	23:42:02	1182749.6000	303.7555	95.0005	277.5046	1281.3485	3134.3393	1310599.3000	37.5001
5	23:42:39	1195162.7000	183.7520	105.0007	181.2520	1305.1022	3073.0665	1319999.1000	22.5000
x		1162114.0000	191.7525	100.0006	174.0022	1290.6000	3017.0464	1285729.5000	34.5001
%RSD		2.560	43.091	8.478	48.016	2.468	2.929	2.875	34.525

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	23:40:12	10731.9060	23846.5710	41196.5780	T 1990824.4000	372.5083	933.8023	7558.4262	6344.9146
2	23:40:49	11162.4710	23861.6140	42611.1650	T 2060441.9000	420.0106	1052.5665	7793.6427	6605.1166
3	23:41:26	11340.2110	24791.8230	43877.7120	2033031.1000	461.2628	1130.0766	8146.4800	7080.5067
4	23:42:02	11114.9080	24892.1220	43540.9520	T 2142362.6000	447.5120	1157.5804	8174.0069	6972.9161
5	23:42:39	11525.4650	25275.7740	44837.8020	T 2170728.5000	473.7635	1136.3275	8176.5094	7155.5708
x		11174.9920	24533.5810	43212.8420	T 2079477.7000	435.0114	1082.0707	7969.8130	6831.8050
%RSD		2.648	2.633	3.193	T 3.619	9.252	8.496	3.526	5.044

Run	Time	208Pb	209Bi	220Bkg
1	23:40:12	16458.7370	1207207.7000	0.0000
2	23:40:49	17102.5320	1251874.4000	0.0000
3	23:41:26	17032.3880	1280175.6000	0.0000
4	23:42:02	17626.1210	1302899.1000	0.0000
5	23:42:39	17628.6260	1319630.8000	0.0000
x		17169.6810	1272357.5000	0.0000
%RSD		2.835	3.491	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	23:45:37	240153.7800	13.3333	TM 25466700.0000	TM 3568998.2000	TM 4083337.9000	5769.4965	TM 3565709.0000	668856.4900
2	23:46:13	243857.3700	5.8333	TM 26503389.0000	TM 3718188.4000	TM 4268453.9000	6037.1861	TM 3688654.1000	692044.9600
3	23:46:50	243693.5100	11.6667	TM 26966122.0000	TM 3802512.3000	TM 4346892.1000	6194.8017	TM 3781828.7000	696395.9800
4	23:47:27	248287.8500	15.0000	TM 27687338.0000	TM 3919010.1000	TM 4467086.7000	5859.5593	TM 3840038.4000	708137.5100
5	23:48:03	244155.0600	6.6667	TM 27902272.0000	TM 3924195.8000	TM 4520493.9000	5992.1536	TM 3891748.5000	715310.5100
x		244029.5100	10.5000	TM 26905164.0000	TM 3786581.0000	TM 4337252.9000	5970.6394	TM 3753595.7000	696149.0900
%RSD		1.183	38.718	TM 3.642	TM 3.934	TM 3.989	2.751	TM 3.445	2.562

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	23:45:37	702.5296	34272.8330	5124.0749	ID 4343.6317	861908.9900	234609.1400	65357.7970	6299.8804
2	23:46:13	730.0320	33898.8080	4811.3886	ID 4266.0917	882495.6000	240884.4200	65345.1990	6354.9222
3	23:46:50	675.0273	34466.1280	5141.5857	ID 4508.7194	897750.7500	240488.2200	60619.6860	6284.8691
4	23:47:27	642.5248	34639.3440	5094.0565	ID 4588.7631	916326.2500	241944.4700	58970.4150	6397.4547
5	23:48:03	635.0242	35462.7960	5066.5397	ID 4788.8756	919189.8600	243987.7700	60161.3820	6467.5087
x		677.0276	34547.9820	5047.5291	ID 4499.2163	895534.2900	240382.8000	62090.8960	6360.9270
%RSD		5.917	1.681	2.676	ID 4.590	2.676	1.456	4.891	1.172

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	23:45:37	5156.5949	6765.2450	3143.0926	477134.2700	2923.8462	1032.5640	134.1678	66.6669
2	23:46:13	5016.5095	7075.5025	3193.1116	490007.4800	3120.5842	1125.0759	126.6676	69.1670
3	23:46:50	5166.6011	7160.5751	3500.7352	498364.3600	3274.8100	1055.9002	115.0008	75.0003
4	23:47:27	5001.5005	7603.4672	3468.2216	509073.4800	3198.9472	1081.7369	122.5009	80.8337
5	23:48:03	4936.4617	7603.4672	3285.6476	514642.9300	3326.4971	1069.2353	128.3343	69.1670
x		5055.5335	7241.6514	3318.1617	497844.5000	3168.9369	1072.9025	125.3343	72.1670
%RSD		2.007	4.993	4.841	3.011	4.973	3.205	5.693	7.942

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	23:45:37	1111726.5000	76.2503	145.0013	50.0001	1832.7015	4213.5650	1195877.7000	22.5000
2	23:46:13	1151160.8000	81.2504	192.5022	53.7502	1858.9573	4501.2153	1254547.7000	25.0000
3	23:46:50	1183890.9000	118.7509	150.0014	115.0008	1928.9732	4484.9566	1289359.4000	35.0001
4	23:47:27	1201599.8000	118.7509	180.0019	101.2506	1956.4796	4565.0000	1318997.6000	17.5000
5	23:48:03	1230009.0000	110.0007	130.0010	100.0006	2040.2497	4770.1148	1337597.1000	22.5000
x		1175677.4000	101.0006	159.5016	84.0005	1923.4723	4506.9703	1279275.9000	24.5000
%RSD		3.894	20.494	16.229	35.643	4.284	4.427	4.396	26.413

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	23:45:37	7903.7464	36951.7450	64785.8570	T 1956880.6000	402.5097	977.5573	1340.1077	1065.0681
2	23:46:13	8767.1093	38679.5590	68568.4420	T 2045667.6000	412.5102	1003.8105	1170.0821	1012.5615
3	23:46:50	8531.8653	39500.8980	69657.4180	T 2116838.5000	468.7632	1108.8238	1397.6172	1155.0800
4	23:47:27	8651.9891	41387.5210	72128.3040	T 2169528.2000	447.5120	1072.5690	1455.1270	1240.0923
5	23:48:03	9079.9440	41219.1900	73031.1170	T 2219040.7000	457.5126	1146.3288	1432.6231	1267.5964
x		8586.9308	39547.7820	69634.2280	T 2101591.1000	437.7615	1061.8179	1359.1114	1148.0797
%RSD		5.041	4.675	4.676	T 4.917	6.588	6.648	8.405	9.547

Run	Time	208Pb	209Bi	220Bkg
1	23:45:37	2510.3781	1125368.5000	0.0000
2	23:46:13	2665.4262	1190658.6000	0.0000
3	23:46:50	2935.5169	1243609.4000	0.0000
4	23:47:27	3078.0684	1274232.2000	0.0000
5	23:48:03	3130.5879	1301436.0000	0.0000
x		2863.9955	1227060.9000	0.0000
%RSD		9.344	5.719	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	23:51:02	244418.4500	5.8333	TM 19161204.0000	TM 2706842.6000	TM 3074700.4000	6900.3557	TM 2679094.5000	691280.2400
2	23:51:39	245255.8500	10.0000	TM 19591391.0000	TM 2756535.1000	TM 3161080.3000	6995.4349	TM 2721342.2000	703229.3600
3	23:52:15	248699.8700	6.6667	TM 19973214.0000	TM 2809181.2000	TM 3205339.7000	7145.5622	TM 2768536.4000	707782.9500
4	23:52:52	249960.0800	9.1667	TM 20110751.0000	TM 2835673.3000	TM 3229278.5000	7005.4433	TM 2789940.8000	709712.1300
5	23:53:29	251104.5600	7.5000	TM 20125496.0000	TM 2813217.0000	TM 3225933.5000	7165.5794	TM 2779369.1000	717475.2600
x		247887.7600	7.8333	TM 19792411.0000	TM 2784289.8000	TM 3179266.5000	7042.4751	TM 2747656.6000	705895.9900
%RSD		1.181	22.060	TM 2.089	TM 1.872	TM 2.028	1.581	TM 1.690	1.368

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	23:51:02	667.5267	33318.9760	3650.7995	ID 4481.2045	847108.0000	228741.8700	44659.3480	3410.6978
2	23:51:39	652.5256	34353.1630	3840.8849	ID 4551.2425	864663.6200	231026.1000	43636.4500	3483.2278
3	23:52:15	622.5233	34559.0110	3693.3183	ID 4753.8556	873652.6100	232624.6600	43146.4080	3465.7205
4	23:52:52	560.0188	35259.4360	3478.2257	ID 4713.8328	874563.6400	230859.0700	40071.1110	3415.6999
5	23:53:29	527.5167	36005.1140	3575.7670	ID 4938.9632	879993.0600	230165.2700	41879.9720	3483.2278
x		606.0222	34699.1400	3647.7991	ID 4687.8197	867996.1900	230683.3900	42678.6580	3451.7148
%RSD		9.934	2.905	3.711	ID 3.838	1.487	0.611	4.141	1.041

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	23:51:02	4133.5249	5064.0382	2515.3796	430357.7500	2975.5311	1163.4145	162.5016	64.1669
2	23:51:39	3968.4447	5094.0565	2435.3558	438775.1100	3131.4216	1146.7456	165.8350	58.3335
3	23:52:15	3993.4566	5024.0140	2492.8728	443698.2800	3077.2347	1067.5684	152.5014	73.3337
4	23:52:52	4091.0039	5116.5703	2510.3781	449127.8600	3108.9131	1145.0787	152.5014	71.6670
5	23:53:29	3913.4187	4968.9810	2412.8493	446744.7500	3107.2459	1116.7415	165.8350	70.0003
x		4019.9698	5053.5320	2473.3671	441740.7500	3080.0693	1127.9097	159.8349	67.5003
%RSD		2.247	1.160	1.877	1.686	1.998	3.340	4.274	9.156

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	23:51:02	1178676.0000	81.2504	135.0011	65.0003	1292.6002	3101.8272	1298458.1000	25.0000
2	23:51:39	1207394.6000	105.0007	112.5008	93.7505	1442.6249	3274.3932	1346435.2000	37.5001
3	23:52:15	1224888.0000	113.7508	120.0009	92.5005	1392.6164	3170.6030	1363631.4000	45.0001
4	23:52:52	1232892.1000	83.7504	110.0007	86.2504	1376.3637	3183.1078	1362829.8000	32.5001
5	23:53:29	1229919.6000	116.2508	122.5009	86.2504	1335.1069	3315.6595	1369511.3000	40.0001
x		1214754.1000	100.0006	120.0009	84.7504	1367.8624	3209.1181	1348173.2000	36.0001
%RSD		1.849	16.536	8.202	13.654	4.170	2.666	2.157	21.178

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	23:51:02	11245.0820	23718.7070	41776.9570	T 2117844.6000	425.0108	986.3084	7751.1031	6444.9913
2	23:51:39	11588.0510	24483.4130	43123.7920	2124096.6000	448.7621	1057.5671	8133.9677	7002.9412
3	23:52:15	11590.5550	25125.3200	43385.1430	T 2251572.4000	405.0098	1038.8147	8121.4556	7065.4940
4	23:52:52	11643.1280	25353.5090	44272.2910	T 2245076.6000	431.2612	1051.3163	8256.5882	7108.0302
5	23:53:29	11685.6880	25421.2150	44211.9720	T 2243858.7000	461.2628	1072.5690	8116.4507	7022.9581
x		11550.5010	24820.4330	43354.0310	T 2196489.8000	434.2613	1041.3151	8075.9131	6928.8830
%RSD		1.519	2.895	2.341	T 3.143	5.005	3.175	2.359	3.947

Run	Time	208Pb	209Bi	220Bkg
1	23:51:02	16361.0450	1282842.9000	0.0000
2	23:51:39	17540.9420	1345795.7000	0.0000
3	23:52:15	17809.0090	1366629.5000	0.0000
4	23:52:52	17844.0840	1374569.0000	0.0000
5	23:53:29	17961.8370	1374078.3000	0.0000
x		17503.3830	1348783.1000	0.0000
%RSD		3.753	2.867	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	23:56:27	239653.0000	10.0000	TM 36066439.0000	TM 5012244.8000	TM 5780124.6000	11152.4580	TM 5223014.5000	658796.8500
2	23:57:04	239170.2600	10.0000	TM 36877581.0000	TM 5182380.7000	TM 5952087.9000	11457.8720	TM 5322062.4000	664025.9200
3	23:57:41	238520.3600	12.5000	TM 37713054.0000	TM 5265938.0000	TM 6018101.6000	11347.7210	TM 5411295.5000	673336.6000
4	23:58:17	237972.5200	9.1667	TM 38082552.0000	TM 5355966.2000	TM 6124051.2000	11903.4960	TM 5452225.0000	675742.6400
5	23:58:55	239189.9800	6.6667	TM 38535768.0000	TM 5350577.6000	TM 6103730.5000	11785.8280	TM 5515107.1000	677228.8200
x		238901.2200	9.6667	TM 37455079.0000	TM 5233421.4000	TM 5995619.1000	11529.4750	TM 5384740.9000	669826.1700
%RSD		0.275	21.638	TM 2.633	TM 2.725	TM 2.314	2.694	TM 2.124	1.198

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	23:56:27	892.5478	32533.3820	3428.2050	ID 10721.8930	T 7535014.2000	364002.4500	93878.3270	5561.8554
2	23:57:04	905.0491	32483.1860	3325.6635	ID 11527.9680	T 7633749.7000	366534.9100	89604.1580	5469.2942
3	23:57:41	817.5401	33318.9760	3178.1059	ID 11615.5900	T 7715604.9000	372035.8100	87229.1590	5919.6018
4	23:58:17	705.0298	32977.6230	3208.1174	ID 11447.8580	T 7777619.0000	364910.9200	84226.0010	5594.3772
5	23:58:55	730.0320	33376.7070	3338.1685	ID 11640.6250	T 7868204.9000	369363.2800	82213.5530	5594.3772
x		810.0398	32937.9750	3295.6521	ID 11390.7870	T 7706038.6000	367369.4700	87430.2400	5627.9012
%RSD		11.267	1.279	3.100	ID 3.350	T 1.667	0.901	5.236	3.037

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	23:56:27	7060.4898	3178.1059	2395.3442	39752.0880	3463.2195	939.2196	105.8340	47.5001
2	23:57:04	6990.4307	2963.0267	2257.8058	40887.5620	3534.0826	937.5527	110.0007	50.0001
3	23:57:41	6742.7268	3163.1002	2135.2735	40040.9660	3579.1018	913.3834	85.8338	62.5002
4	23:58:17	6982.9244	3148.0945	2295.3161	40618.7520	3650.7995	960.8887	128.3343	60.0002
5	23:58:55	6722.7106	3283.1466	2355.3328	41096.0840	3679.9790	887.5473	93.3339	64.1669
x		6899.8565	3147.0948	2287.8145	40479.0910	3581.4365	927.7183	104.6673	56.8335
%RSD		2.257	3.679	4.390	1.402	2.448	3.024	15.649	13.334

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	23:56:27	1100568.3000	66.2503	10.0000	43.7501	10.0000	26.2500	1201961.9000	42.5001
2	23:57:04	1124385.6000	92.5005	2.5000	96.2506	13.7500	28.7500	1235138.6000	27.5000
3	23:57:41	1136284.0000	133.7511	0.0000	85.0004	8.7500	36.2501	1262766.4000	37.5001
4	23:58:17	1144246.1000	110.0007	12.5000	67.5003	11.2500	26.2500	1266120.2000	32.5001
5	23:58:55	1153089.7000	76.2503	15.0000	67.5003	11.2500	25.0000	1284828.0000	40.0001
x		1131714.7000	95.7506	8.0000	72.0003	11.0000	28.5000	1250163.0000	36.0001
%RSD		1.799	28.160	80.889	27.740	16.855	15.935	2.581	16.724

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	23:56:27	5319.1971	24493.4430	41774.4440	1867851.3000	460.0127	1182.5839	2297.8168	1875.2110
2	23:57:04	5206.6260	24864.5390	44179.2990	1953553.4000	472.5134	1160.0807	2232.7991	1997.7394
3	23:57:41	5294.1812	25300.8500	43953.1080	1986751.3000	502.5152	1120.0753	2222.7964	1952.7288
4	23:58:17	5771.9983	25478.8910	45229.9120	T 2096256.8000	541.2676	1181.3337	2302.8181	2032.7479
5	23:58:55	5586.8722	25842.5080	45355.5930	T 2115885.3000	488.7643	1266.3462	2462.8639	2050.2522
x		5435.7749	25196.0460	44098.4710	T 2004059.6000	493.0146	1182.0840	2303.8189	1981.7358
%RSD		4.334	2.093	3.264	T 5.138	6.371	4.522	4.171	3.545

Run	Time	208Pb	209Bi	220Bkg
1	23:56:27	4721.3371	1165442.9000	0.0000
2	23:57:04	4978.9870	1211244.1000	0.0000
3	23:57:41	4833.9016	1233961.9000	0.0000
4	23:58:17	5046.5276	1257727.9000	2.5000
5	23:58:55	5244.1495	1268586.5000	0.0000
x		4964.9806	1227392.7000	0.5000
%RSD		4.045	3.349	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	00:01:54	246936.9200	555.0185	695.0290	70.0003	115.0008	652.5256	700.0294	684484.7000
2	00:02:31	246817.6300	572.5197	1330.1061	165.0016	190.0022	730.0320	732.5322	694275.8100
3	00:03:07	251362.1500	586.6873	1770.1880	200.0024	260.0041	680.0278	712.5305	706474.8900
4	00:03:44	248792.5700	571.6863	2105.2659	335.0067	355.0076	740.0329	775.0360	721384.6000
5	00:04:21	249563.4500	566.6859	1860.2076	275.0045	305.0056	730.0320	727.5318	724768.9500
x		248694.5500	570.5195	1552.1593	209.0031	245.0040	706.5300	729.5320	706277.7900
%RSD		0.765	2.002	35.760	48.777	38.641	5.411	3.903	2.441

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	00:01:54	450.0122	17811.5150	8576.9115	ID 3598.2767	4281.0994	192771.6600	1737.6812	3875.9011
2	00:02:31	380.0087	18157.2600	8687.0255	ID 3728.3338	4241.0789	194902.8800	1670.1674	3960.9411
3	00:03:07	352.5075	17886.6750	8621.9580	ID 3668.3072	4493.7113	196021.1600	1655.1644	4341.1304
4	00:03:44	305.0056	18748.5670	8441.7736	ID 3780.8575	4633.7880	197618.2200	1532.6409	4166.0411
5	00:04:21	310.0058	19076.8110	8309.1404	ID 3898.4116	4716.3343	198734.3000	1682.6699	4043.4807
x		359.5079	18336.1650	8527.3618	ID 3734.8374	4473.2024	196009.6400	1655.6647	4077.4989
%RSD		16.504	3.022	1.777	ID 3.053	4.691	1.189	4.560	4.467

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	00:01:54	957.5550	4618.7796	2315.3216	1472.6301	596.6880	1685.1704	356.6743	47.5001
2	00:02:31	925.0513	4643.7935	2327.8251	1580.1498	570.8529	1789.3588	380.8420	64.1669
3	00:03:07	925.0513	4991.4945	2330.3258	1600.1536	607.5221	1821.0323	345.8405	51.6668
4	00:03:44	955.0547	4823.8958	2337.8279	1607.6551	631.6906	1795.1933	373.3417	53.3335
5	00:04:21	965.0559	4826.3972	2382.8406	1702.6739	652.5256	1788.5252	420.8440	53.3335
x		945.5537	4780.8721	2338.8282	1592.6525	611.8558	1775.8560	375.5085	54.0002
%RSD		2.017	3.195	1.108	5.154	5.154	2.950	7.676	11.414

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	00:01:54	1152795.3000	2915.5099	50.0001	2916.7604	541.2676	1383.8649	1272237.9000	27.5000
2	00:02:31	1190251.1000	3041.8051	77.5004	2894.2525	645.0250	1527.6400	1319981.7000	22.5000
3	00:03:07	1223272.0000	3151.8459	40.0001	3033.0519	636.2743	1490.1332	1354452.0000	10.0000
4	00:03:44	1238482.1000	3251.8844	52.5002	2974.2807	636.2743	1490.1332	1380063.2000	25.0000
5	00:04:21	1243437.6000	3274.3932	60.0002	3195.6126	593.7712	1482.6319	1406056.0000	7.5000
x		1209647.6000	3127.0877	56.0002	3002.7916	610.5225	1474.8806	1346558.1000	18.5000
%RSD		3.139	4.795	24.976	4.013	7.137	3.650	3.886	49.283

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	00:01:54	3080.5693	3863.3953	7005.4433	1878879.9000	2254.0548	5375.4832	1927.7229	1600.1536
2	00:02:31	3383.1866	3850.8896	6957.9035	1965221.7000	2226.5474	5381.7372	1995.2388	1547.6437
3	00:03:07	3520.7436	4201.0587	7057.9876	T 2115055.7000	2480.3691	5654.4177	2075.2584	1677.6689
4	00:03:44	3498.2341	4228.5726	6945.3931	T 2162785.3000	2392.8435	5960.8812	2177.7845	1660.1654
5	00:04:21	3513.2404	4263.5904	7550.9194	T 2190056.9000	2344.0796	5942.1178	2267.8085	1665.1664
x		3399.1948	4081.5013	7103.5294	T 2062399.9000	2339.5789	5662.9274	2088.7626	1630.1596
%RSD		5.491	5.048	3.576	T 6.517	4.420	5.060	6.549	3.373

Run	Time	208Pb	209Bi	220Bkg
1	00:01:54	3965.9435	1263232.2000	0.0000
2	00:02:31	4111.0138	1323434.1000	0.0000
3	00:03:07	4163.5398	1364806.2000	0.0000
4	00:03:44	4308.6136	1401822.5000	0.0000
5	00:04:21	4378.6501	1424039.3000	2.5000
x		4185.5521	1355466.9000	0.5000
%RSD		3.902	4.734	223.607

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Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	00:07:18	237239.5600	133860.7200	692994.1900	96500.5250	111896.2400	610024.4100	21602.9650	670628.2400
2	00:07:55	236863.2500	133328.9700	706881.0100	98463.2850	113659.8600	609183.6200	21567.8740	675831.9700
3	00:08:31	236822.9600	133267.1600	715812.2200	100967.9900	114840.8900	612058.2200	21868.6570	682848.2800
4	00:09:08	234605.7200	132810.7900	715518.5300	101550.0000	114374.5400	609616.1000	22547.9630	683189.6300
5	00:09:45	237005.5400	133721.8500	708641.5200	100426.5000	112605.7000	609135.2700	22099.2640	682103.3200
x		236507.4100	133397.9000	707969.4900	99581.6600	113475.4500	610003.5300	21937.3450	678920.2900
%RSD		0.455	0.310	1.311	2.086	1.075	0.197	1.841	0.814

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	00:07:18	367.5081	827196.4400	786299.7700	ID 78934.5780	1017732.8000	1397265.0000	29911.0840	1010789.0000
2	00:07:55	320.0061	830571.1300	781481.6200	ID 80052.6680	1029829.9000	1406955.6000	30294.9670	1021175.7000
3	00:08:31	300.0054	838623.3000	798120.7000	ID 81872.7230	1047799.1000	1425136.6000	30774.2180	1027612.0000
4	00:09:08	357.5077	838730.8600	790042.6600	ID 81940.8880	1041269.1000	1435326.0000	30435.4780	1022181.0000
5	00:09:45	277.5046	833004.4700	794231.6600	ID 82741.2380	1048318.8000	1425354.6000	31150.6130	1029193.0000
x		324.5064	833625.2400	790035.2800	ID 81108.4190	1036990.0000	1418007.5000	30513.2720	1022190.1000
%RSD		11.702	0.606	0.825	ID 1.928	1.262	1.091	1.546	0.708

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	00:07:18	225595.3100	552812.4400	267892.8800	156995.0500	140518.1500	37295.7720	15018.5210	73.3337
2	00:07:55	227811.9100	562066.7500	270076.7000	159845.9800	142380.1900	37847.4180	15542.8150	70.0003
3	00:08:31	227904.3800	563800.7100	271840.1700	160661.4400	142938.8000	38008.1470	15249.7740	66.6669
4	00:09:08	228621.1200	568023.5000	272454.7600	160014.1600	142923.5400	37803.0500	15279.8290	64.1669
5	00:09:45	229610.2700	565433.4500	271525.1400	161092.1400	143454.2100	37931.9670	15490.2170	52.5002
x		227908.6000	562427.3700	270757.9300	159721.7500	142442.9800	37777.2710	15316.2310	65.3336
%RSD		0.649	1.032	0.674	1.005	0.801	0.742	1.369	12.188

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	00:07:18	1151083.7000	749597.7600	10281.3380	734938.0700	151553.1800	361802.1700	1301991.0000	22.5000
2	00:07:55	1184258.0000	773725.5600	10238.7860	753495.6200	156940.2800	372302.3200	1342455.8000	20.0000
3	00:08:31	1193319.4000	778750.3300	10589.2240	760266.0600	159222.9700	378114.1700	1354434.4000	27.5000
4	00:09:08	1205939.8000	788598.7800	10559.1860	765726.1300	159672.7100	379564.1600	1365802.7000	17.5000
5	00:09:45	1196638.7000	785824.1400	10561.6890	763836.4600	160699.6700	379974.7500	1366358.7000	17.5000
x		1186247.9000	775299.3200	10446.0440	755652.4700	157617.7600	374351.5200	1346208.5000	21.0000
%RSD		1.781	2.001	1.636	1.652	2.321	2.046	1.975	19.921

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	00:07:18	419244.7000	98880.6830	173249.9000	1946466.5000	591131.8000	1448651.2000	497330.2400	394991.9000
2	00:07:55	438743.5100	102990.0100	181334.1900	T 2114861.5000	617308.8500	1518371.1000	522460.0700	416260.5400
3	00:08:31	446388.9200	104394.8300	182885.0300	T 2148293.5000	635147.4300	1561735.7000	538448.7100	424821.7600
4	00:09:08	452817.2000	104721.3900	184469.3900	T 2174505.9000	641525.5500	1580403.4000	540660.2300	430134.1400
5	00:09:45	451722.6200	104146.7500	184701.9500	T 2168363.2000	644533.6400	1583135.2000	541640.9500	430739.2200
x		441783.3900	103026.7300	181328.0900	T 2110498.1000	625929.4600	1538459.3000	528108.0400	419389.5100
%RSD		3.118	2.337	2.600	T 4.483	3.536	3.672	3.576	3.534

Run	Time	208Pb	209Bi	220Bkg
1	00:07:18	1019143.0000	1328170.1000	2.5000
2	00:07:55	1065145.5000	1392335.5000	0.0000
3	00:08:31	1091175.0000	1425534.3000	2.5000
4	00:09:08	1104663.2000	1440280.4000	0.0000
5	00:09:45	1105029.9000	1449376.3000	0.0000
x		1077031.3000	1407139.3000	1.0000
%RSD		3.360	3.495	136.931

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	00:12:41	231092.9200	19.1667	565.0192	75.0003	90.0005	2157.7793	552.5183	648527.6200
2	00:13:17	235245.0300	15.8333	555.0185	75.0003	140.0012	2182.7858	565.0192	665497.9200
3	00:13:55	239622.9900	23.3334	630.0238	70.0003	115.0008	2260.3065	527.5167	679340.7700
4	00:14:31	240962.4600	23.3334	775.0360	75.0003	135.0011	2130.2722	550.0181	686225.7700
5	00:15:08	239924.8200	30.8334	870.0454	140.0012	125.0009	2262.8072	532.5170	690931.7900
x		237369.6400	22.5000	679.0286	87.0005	121.0009	2198.7902	545.5179	674104.7700
%RSD		1.742	24.983	20.364	34.146	16.373	2.740	2.814	2.554

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	00:12:41	422.5107	542.5177	1787.6917	ID 3215.6203	245.0036	165777.6900	1665.1664	57.5002
2	00:13:17	372.5083	497.5149	1715.1765	ID 3398.1927	242.5035	170647.0200	1647.6629	37.5001
3	00:13:55	332.5066	485.0141	1955.2293	ID 3473.2236	245.0036	172731.8100	1667.6669	127.5010
4	00:14:31	327.5064	537.5173	1837.7026	ID 3470.7226	320.0061	174281.0700	1722.6780	147.5013
5	00:15:08	305.0056	525.0165	1915.2201	ID 3480.7268	282.5048	176491.8800	1605.1546	75.0003
x		352.0075	517.5161	1842.2040	ID 3407.6972	267.0043	171985.9000	1661.6657	89.0006
%RSD		13.158	4.867	5.237	ID 3.300	12.725	2.370	2.546	52.537

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	00:12:41	45.0001	377.5086	192.5022	287.5050	24.1667	850.0434	69.1670	47.5001
2	00:13:17	52.5002	337.5068	182.5020	337.5068	30.8334	864.2115	60.0002	39.1668
3	00:13:55	82.5004	347.5073	127.5010	297.5053	26.6667	870.8788	54.1668	54.1668
4	00:14:31	72.5003	322.5062	177.5019	362.5079	36.6667	908.3828	60.8336	51.6668
5	00:15:08	57.5002	362.5079	127.5010	262.5041	34.1667	873.3791	65.8336	62.5002
x		62.0002	349.5074	161.5016	309.5058	30.5001	873.3791	62.0002	51.0002
%RSD		24.594	6.120	19.507	12.955	16.909	2.469	9.293	16.839

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	00:12:41	1098165.0000	87.5005	12.5000	66.2503	5.0000	22.5000	1234755.0000	30.0001
2	00:13:17	1145342.5000	105.0007	2.5000	85.0004	13.7500	16.2500	1279661.1000	22.5000
3	00:13:55	1163870.5000	105.0007	12.5000	101.2506	8.7500	30.0001	1307650.4000	20.0000
4	00:14:31	1177561.1000	90.0005	5.0000	93.7505	27.5000	41.2501	1331778.8000	32.5001
5	00:15:08	1187396.0000	125.0009	15.0000	65.0003	13.7500	53.7502	1341194.9000	22.5000
x		1154467.0000	102.5006	9.5000	82.2504	13.7500	32.7501	1299008.1000	25.5000
%RSD		3.050	14.634	57.051	19.739	61.992	45.754	3.318	21.254

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	00:12:41	1005.0606	12.5000	17.5000	1840995.1000	76.2503	176.2519	92.5005	82.5004
2	00:13:17	1105.0733	22.5000	22.5000	1941974.5000	86.2504	201.2524	105.0007	112.5008
3	00:13:55	1002.5603	15.0000	37.5001	T 2060971.5000	101.2506	226.2531	75.0003	95.0005
4	00:14:31	862.5446	25.0000	45.0001	2009721.3000	116.2508	275.0045	145.0013	92.5005
5	00:15:08	802.5386	12.5000	47.5001	T 2109936.7000	105.0007	266.2543	87.5005	100.0006
x		955.5555	17.5000	34.0001	T 1992719.8000	97.0006	229.0032	101.0007	96.5006
%RSD		12.719	33.503	39.460	T 5.280	16.290	18.351	26.579	11.381

Run	Time	208Pb	209Bi	220Bkg
1	00:12:41	170.0017	1249531.2000	0.0000
2	00:13:17	185.0021	1314243.1000	0.0000
3	00:13:55	210.0027	1350616.5000	0.0000
4	00:14:31	260.0041	1369669.4000	0.0000
5	00:15:08	280.0047	1380716.9000	0.0000
x		221.0030	1332955.4000	0.0000
%RSD		21.488	3.979	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	00:18:04	232748.0300	7.5000	TM 17775491.0000	TM 2459462.4000	TM 2817950.1000	8163.9971	TM 2555627.3000	635804.8400
2	00:18:41	236067.8200	14.1667	TM 18278920.0000	TM 2544192.2000	TM 2927404.1000	8284.1155	TM 2619723.2000	647011.2800
3	00:19:18	238991.9100	14.1667	TM 18621371.0000	TM 2608923.2000	TM 2982699.9000	8464.2965	TM 2648671.4000	656965.4000
4	00:19:54	238684.1100	7.5000	TM 18871522.0000	TM 2644028.1000	TM 3042069.0000	8414.2458	TM 2700094.3000	666319.8700
5	00:20:31	242423.0800	14.1667	TM 18994407.0000	TM 2666800.0000	TM 3055244.5000	8066.4021	TM 2711749.3000	665260.0100
x		237782.9900	11.5000	TM 18508342.0000	TM 2584681.2000	TM 2965073.5000	8278.6114	TM 2647173.1000	654272.2800
%RSD		1.518	31.752	TM 2.662	TM 3.247	TM 3.263	2.013	TM 2.397	1.974

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	00:18:04	690.0286	15817.4970	2507.8773	ID 7238.1421	T 3728108.4000	258314.9900	48022.9750	2900.5047
2	00:18:41	552.5183	16448.7180	2412.8493	ID 6912.8661	T 3789057.1000	260290.0500	45146.9650	2865.4926
3	00:19:18	602.5218	17643.6580	2470.3661	ID 7220.6269	T 3832876.5000	262513.1700	44845.3420	2800.4705
4	00:19:54	550.0181	17859.1160	2510.3781	ID 7190.6009	T 3887322.1000	264393.7500	43008.1970	2895.5029
5	00:20:31	530.0169	18202.3580	2717.9432	ID 7505.8788	T 3893105.7000	264623.3600	45511.4390	2807.9730
x		585.0207	17194.2690	2523.8828	ID 7213.6230	T 3826093.9000	262027.0600	45306.9830	2853.9887
%RSD		11.025	5.896	4.573	ID 2.917	T 1.814	1.034	3.970	1.662

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	00:18:04	3490.7310	1840.2032	1370.1126	19933.8130	1490.1332	858.3775	81.6671	43.3334
2	00:18:41	3593.2745	1770.1880	1315.1038	20785.8910	1516.8047	770.8690	77.5004	50.8335
3	00:19:18	3540.7521	1837.7026	1262.5956	21477.6420	1594.3192	855.8773	80.0004	64.1669
4	00:19:54	3353.1745	1877.7115	1190.0850	21502.7060	1610.1555	841.7092	67.5003	55.0002
5	00:20:31	3398.1927	1802.6950	1337.6073	21821.0320	1625.1585	850.8768	83.3337	70.8336
x		3475.2250	1825.7000	1295.1009	21104.2170	1567.3142	835.5420	78.0004	56.8335
%RSD		2.852	2.237	5.449	3.580	3.831	4.394	8.016	19.101

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	00:18:04	1064002.4000	98.7506	2.5000	76.2503	8.7500	15.0000	1185878.5000	40.0001
2	00:18:41	1095768.2000	75.0003	12.5000	65.0003	6.2500	7.5000	1223341.1000	37.5001
3	00:19:18	1122337.6000	72.5003	5.0000	53.7502	12.5000	12.5000	1250273.7000	27.5000
4	00:19:54	1129377.9000	80.0004	10.0000	66.2503	5.0000	15.0000	1267587.7000	35.0001
5	00:20:31	1135194.4000	87.5005	10.0000	75.0003	6.2500	16.2500	1272012.0000	22.5000
x		1109336.1000	82.7504	8.0000	67.2503	7.7500	13.2500	1239818.6000	32.5001
%RSD		2.658	12.836	51.349	13.494	38.508	26.348	2.879	22.427

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	00:18:04	2752.9547	11863.4380	20758.3220	T 1912469.4000	242.5035	557.5187	1055.0668	930.0519
2	00:18:41	2975.5311	12401.7210	21227.0010	1903307.2000	227.5031	567.5193	1140.0780	1057.5671
3	00:19:18	2983.0338	12789.8070	22194.5160	T 2045579.4000	257.5040	610.0223	1187.5846	1112.5743
4	00:19:54	3048.0573	12937.5350	22445.1870	1991597.1000	295.0052	642.5248	1162.5811	1050.0662
5	00:20:31	3015.5455	12674.6310	22495.3210	2008751.3000	265.0042	682.5280	1285.0991	1032.5640
x		2955.0245	12533.4270	21824.0700	T 1972340.9000	257.5040	612.0226	1166.0819	1036.5647
%RSD		3.945	3.374	3.598	T 3.147	9.877	8.512	7.129	6.429

Run	Time	208Pb	209Bi	220Bkg
1	00:18:04	2585.4010	1175453.6000	0.0000
2	00:18:41	2637.9175	1243273.1000	0.0000
3	00:19:18	2637.9175	1273813.6000	0.0000
4	00:19:54	2630.4151	1297125.0000	0.0000
5	00:20:31	2757.9563	1308964.8000	0.0000
x		2649.9215	1259726.0000	0.0000
%RSD		2.424	4.237	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	00:23:28	232139.7500	9.1667	TM 34938226.0000	TM 4886480.4000	TM 5549201.7000	5817.0296	TM 5047406.6000	631963.5000
2	00:24:04	235764.4000	7.5000	TM 36483137.0000	TM 5101731.8000	TM 5820629.3000	5924.6053	TM 5242017.5000	648171.4400
3	00:24:41	236260.6700	8.3333	TM 37287706.0000	TM 5217282.6000	TM 5965832.2000	5967.1356	TM 5348491.6000	660109.9000
4	00:25:18	238134.5500	11.6667	TM 38217373.0000	TM 5332630.5000	TM 6119568.3000	5992.1536	TM 5414388.7000	663588.0200
5	00:25:54	240051.7300	5.8333	TM 38480123.0000	TM 5431113.7000	TM 6162075.6000	6152.2702	TM 5521202.1000	671840.2700
x		236470.2200	8.5000	TM 37081313.0000	TM 5193847.8000	TM 5923461.4000	5970.6389	TM 5314701.3000	655134.6300
%RSD		1.249	25.377	TM 3.871	TM 4.074	TM 4.202	2.037	TM 3.398	2.366

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	00:23:28	937.5527	30862.0420	3460.7184	ID 10786.9770	T 7210554.1000	344775.1400	94376.4050	5161.5980
2	00:24:04	730.0320	32141.8670	3423.2030	ID 11227.5580	T 7476348.5000	353794.1100	87102.8480	5041.5246
3	00:24:41	755.0342	31946.1160	3398.1927	ID 11560.5130	T 7515698.8000	354701.4800	85723.6570	5269.1653
4	00:25:18	715.0307	31682.6130	3375.6836	ID 11743.2680	T 7689911.0000	360755.7400	79868.4120	5061.5367
5	00:25:54	707.5300	31818.1280	3358.1765	ID 11880.9630	T 7817370.6000	363224.5900	80196.5410	5021.5125
x		769.0359	31690.1530	3403.1948	ID 11439.8560	T 7541976.6000	355450.2100	85453.5730	5111.0674
%RSD		12.475	1.555	1.186	ID 3.842	T 3.057	2.018	6.954	2.025

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	00:23:28	6815.2857	2112.7678	1997.7394	38604.2100	3426.5377	818.3735	104.1673	59.1669
2	00:24:04	6099.7316	2087.7615	1752.6843	39104.0330	3592.4408	848.3765	94.1672	55.8335
3	00:24:41	6470.0107	2152.7780	1777.6896	38684.5820	3466.5542	811.7062	88.3338	67.5003
4	00:25:18	6204.8091	2110.2672	1720.1775	40817.2190	3569.9312	882.5467	90.8338	53.3335
5	00:25:54	6037.1861	2157.7793	1790.1923	41804.5950	3569.9312	857.5441	102.5006	47.5001
x		6325.4046	2124.2708	1807.6966	39802.9280	3525.0790	843.7094	96.0006	56.6669
%RSD		5.058	1.412	6.060	3.600	2.089	3.449	7.325	13.071

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	00:23:28	1045709.5000	83.7504	5.0000	56.2502	15.0000	22.5000	1151438.0000	25.0000
2	00:24:04	1090454.1000	91.2505	5.0000	52.5002	2.5000	33.7501	1207995.6000	27.5000
3	00:24:41	1116361.6000	98.7506	15.0000	66.2503	10.0000	27.5000	1246475.2000	32.5001
4	00:25:18	1135548.1000	107.5007	7.5000	78.7504	13.7500	35.0001	1269460.8000	25.0000
5	00:25:54	1146970.2000	103.7507	0.0000	67.5003	5.0000	33.7501	1282464.5000	22.5000
x		1107008.7000	97.0006	6.5000	64.2503	9.2500	30.5001	1231566.8000	26.5000
%RSD		3.650	9.882	84.265	16.079	58.593	17.532	4.301	14.307

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	00:23:28	5024.0140	23420.3650	40533.3380	1803402.8000	397.5095	1047.5658	1532.6409	1287.5995
2	00:24:04	5306.6891	24142.4210	43010.7100	1909187.3000	452.5123	1062.5677	1580.1498	1347.6090
3	00:24:41	5596.8789	25012.4810	43789.7510	1982502.8000	473.7635	1188.8348	1657.6649	1490.1332
4	00:25:18	5691.9432	25737.1830	45053.9630	T 2104288.3000	482.5140	1208.8377	1740.1817	1405.1185
5	00:25:54	5514.3239	26466.9630	45865.8740	T 2147711.0000	542.5177	1201.3366	1717.6770	1487.6328
x		5426.7698	24955.8830	43650.7270	T 1989418.4000	469.7634	1141.8285	1645.6629	1403.6186
%RSD		4.906	4.873	4.726	T 7.079	11.158	6.980	5.378	6.286

Run	Time	208Pb	209Bi	220Bkg
1	00:23:28	3235.6280	1121901.9000	2.5000
2	00:24:04	3313.1585	1198152.3000	0.0000
3	00:24:41	3715.8283	1245255.2000	5.0000
4	00:25:18	3648.2984	1278539.4000	0.0000
5	00:25:54	3655.8017	1300928.9000	0.0000
x		3513.7430	1228955.5000	1.5000
%RSD		6.311	5.799	149.071

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	00:28:51	242502.8500	4.1667	TM 18935795.0000	TM 2649033.4000	TM 3022089.7000	7853.6991	TM 2665338.2000	662302.8200
2	00:29:28	239340.0300	16.6667	TM 19409598.0000	TM 2711870.5000	TM 3111609.8000	7761.1124	TM 2752613.6000	670818.9600
3	00:30:04	240095.4700	5.0000	TM 19633593.0000	TM 2742240.6000	TM 3147654.5000	7701.0567	TM 2786534.4000	680143.7200
4	00:30:41	244481.9400	10.8333	TM 19709300.0000	TM 2766748.7000	TM 3174619.8000	7733.5868	TM 2800564.8000	680182.9800
5	00:31:18	243448.1600	11.6667	TM 19712952.0000	TM 2763682.3000	TM 3164516.4000	8001.3394	TM 2796584.1000	680758.5000
x		241973.6900	9.6667	TM 19480247.0000	TM 2726715.1000	TM 3124098.0000	7810.1589	TM 2760327.0000	674841.4000
%RSD		0.906	53.351	TM 1.686	TM 1.784	TM 1.980	1.550	TM 2.042	1.206

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	00:28:51	652.5256	18718.4990	2715.4423	ID 7325.7186	T 3850932.8000	269852.0900	48000.3450	2692.9350
2	00:29:28	625.0234	19314.8580	2710.4407	ID 7435.8160	T 3899996.1000	270972.5900	43405.2470	2512.8788
3	00:30:04	595.0212	19555.4180	2642.9190	ID 7886.2298	T 3953155.0000	269490.6800	45393.2970	2735.4489
4	00:30:41	602.5218	19828.5620	2627.9143	ID 7493.3675	T 3973618.8000	272284.3200	45038.8820	2692.9350
5	00:31:18	550.0181	19808.5150	2472.8668	ID 7771.1217	T 3962854.2000	273430.9600	45463.6790	2710.4407
x		605.0220	19445.1700	2633.9166	ID 7582.4507	T 3928111.4000	271206.1300	45460.2900	2668.9277
%RSD		6.287	2.351	3.727	ID 3.116	T 1.314	0.610	3.624	3.333

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	00:28:51	3270.6417	1310.1030	980.0576	21981.4530	1641.8284	855.0439	85.0004	61.6669
2	00:29:28	3363.1785	1447.6257	1040.0649	22046.6250	1702.6739	859.2110	77.5004	51.6668
3	00:30:04	3258.1368	1247.5934	1132.5770	21998.9990	1651.8304	831.7082	73.3337	59.1669
4	00:30:41	3350.6735	1382.6147	1115.0746	22430.1460	1747.6832	873.3791	95.0005	53.3335
5	00:31:18	3410.6978	1265.0960	990.0588	22259.6900	1668.5004	832.5416	91.6672	66.6669
x		3330.6657	1330.6066	1051.5666	22143.3830	1682.5033	850.3767	84.5004	58.5002
%RSD		1.941	6.288	6.661	0.881	2.564	2.116	10.839	10.487

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	00:28:51	1122098.4000	61.2502	7.5000	45.0001	5.0000	11.2500	1250447.0000	50.0001
2	00:29:28	1157231.8000	81.2504	2.5000	57.5002	11.2500	26.2500	1301970.6000	35.0001
3	00:30:04	1163252.5000	93.7505	10.0000	88.7505	7.5000	18.7500	1311029.8000	52.5002
4	00:30:41	1163916.3000	123.7509	5.0000	70.0003	5.0000	21.2500	1319710.9000	30.0001
5	00:31:18	1177326.1000	95.0005	12.5000	61.2502	7.5000	17.5000	1318869.5000	52.5002
x		1156765.0000	91.0005	7.5000	64.5003	7.2500	19.0000	1300405.6000	44.0001
%RSD		1.792	25.036	52.705	25.216	35.334	28.828	2.217	24.306

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	00:28:51	2772.9613	12589.5030	21645.5750	1960139.8000	230.0032	628.7737	752.5340	722.5313
2	00:29:28	2867.9934	12917.5040	22500.3350	T 2122698.8000	248.7537	617.5229	855.0439	807.5391
3	00:30:04	2920.5117	13087.7690	23585.8300	2077782.9000	272.5045	647.5252	845.0428	840.0423
4	00:30:41	2840.4840	13343.1740	22653.2480	T 2155989.5000	271.2544	703.7797	945.0536	747.5335
5	00:31:18	2862.9917	12990.1170	23209.7770	2075225.0000	292.5051	646.2751	840.0423	735.0324
x		2852.9884	12985.6130	22718.9530	T 2078367.2000	263.0042	648.7753	847.5433	770.5358
%RSD		1.875	2.108	3.262	T 3.567	9.158	5.118	8.057	6.584

Run	Time	208Pb	209Bi	220Bkg
1	00:28:51	1810.1966	1265755.5000	0.0000
2	00:29:28	2087.7615	1328358.1000	0.0000
3	00:30:04	2000.2400	1357632.6000	0.0000
4	00:30:41	2005.2412	1354536.7000	0.0000
5	00:31:18	2005.2412	1354698.9000	2.5000
x		1981.7361	1332196.4000	0.5000
%RSD		5.178	2.927	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	00:34:15	242888.8600	7.5000	TM 17641993.0000	TM 2442980.9000	TM 2813626.6000	13713.7750	TM 2474486.1000	659222.3600
2	00:34:52	244979.5700	9.1667	TM 18172195.0000	TM 2535376.5000	TM 2877842.6000	13641.1560	TM 2531547.2000	669980.3600
3	00:35:28	244883.4700	8.3333	TM 18242287.0000	TM 2546649.7000	TM 2936870.3000	13275.5660	TM 2547248.2000	675141.7500
4	00:36:05	246411.7100	9.1667	TM 18582685.0000	TM 2598642.0000	TM 2983382.6000	13741.3200	TM 2597796.7000	682788.6800
5	00:36:42	252206.2500	8.3333	TM 18802617.0000	TM 2634017.4000	TM 3030509.2000	14071.8710	TM 2642445.8000	688821.0900
x		246273.9700	8.5000	TM 18288355.0000	TM 2551533.3000	TM 2928446.3000	13688.7380	TM 2558704.8000	675190.8500
%RSD		1.440	8.203	TM 2.422	TM 2.846	TM 2.920	2.076	TM 2.510	1.698

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	00:34:15	650.0254	34195.0140	3898.4116	ID 4541.2370	641568.6900	217573.7000	46723.1170	3318.1605
2	00:34:52	585.0205	34147.3190	3665.8061	ID 4536.2343	652208.9400	218579.5100	42470.4490	3290.6496
3	00:35:28	650.0254	35041.0180	3723.3316	ID 4583.7603	661883.9200	219477.6600	41952.8370	3448.2133
4	00:36:05	585.0205	35156.5030	3430.7060	ID 4663.8047	669841.0500	221212.6400	40679.0450	3270.6417
5	00:36:42	532.5170	35405.0520	3723.3316	ID 4678.8131	676262.3700	221782.4900	40794.6080	3183.1078
x		600.5218	34788.9810	3688.3174	ID 4600.7699	660352.9900	219725.2000	42524.0110	3302.1546
%RSD		8.329	1.665	4.566	ID 1.461	2.094	0.803	5.803	2.908

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	00:34:15	4176.0461	4523.7275	2437.8565	411799.3900	2780.4638	995.0594	155.8348	61.6669
2	00:34:52	3850.8896	4483.7059	2487.8713	421404.6500	2899.6711	1048.3993	141.6679	60.8336
3	00:35:28	4080.9990	4806.3857	2380.3399	425607.8900	2966.3612	1060.9009	148.3347	63.3336
4	00:36:05	4203.5599	4888.9337	2385.3413	430502.4400	2917.1772	1066.7349	155.0014	64.1669
5	00:36:42	3953.4376	4933.9602	2587.9018	437292.6500	2977.1984	1050.0662	150.0014	71.6670
x		4052.9864	4727.3426	2455.8622	425321.4100	2908.1743	1044.2321	150.1680	64.3336
%RSD		3.688	4.436	3.494	2.256	2.697	2.731	3.813	6.693

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	00:34:15	1091209.0000	101.2506	47.5001	95.0005	1235.0915	3006.7924	1205868.0000	27.5000
2	00:34:52	1127856.0000	108.7507	117.5008	103.7507	1232.5912	3061.8124	1242453.3000	25.0000
3	00:35:28	1141308.7000	130.0010	102.5006	113.7508	1273.8474	3006.7924	1258433.4000	12.5000
4	00:36:05	1157251.8000	112.5008	107.5007	113.7508	1326.3555	3069.3151	1284195.7000	22.5000
5	00:36:42	1164248.2000	121.2509	112.5008	97.5006	1316.3540	3221.8727	1305234.5000	27.5000
x		1136374.7000	114.7508	97.5006	104.7507	1276.8479	3073.3170	1259237.0000	23.0000
%RSD		2.547	9.725	29.235	8.413	3.441	2.868	3.042	27.065

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	00:34:15	10298.8600	22124.3300	38408.3080	1857212.5000	395.0094	893.7979	8394.2257	7328.2208
2	00:34:52	10832.0350	22623.1670	39536.0640	T 2013612.5000	395.0094	1000.0600	8827.1727	7603.4672
3	00:35:28	10952.1920	23164.6510	40608.7040	1981034.8000	420.0106	990.0588	9302.6895	7443.3227
4	00:36:05	11164.9740	23525.6610	41008.1520	2010185.9000	471.2633	990.0588	9160.0316	7633.4946
5	00:36:42	11327.6940	23483.0410	42086.0060	2047222.8000	405.0098	1002.5603	9567.9896	8296.6280
x		10915.1510	22984.1700	40329.4470	T 1981853.7000	417.2605	975.3072	9050.4218	7661.0266
%RSD		3.609	2.614	3.494	T 3.710	7.639	4.708	5.015	4.911

Run	Time	208Pb	209Bi	220Bkg
1	00:34:15	18047.0210	1173910.9000	0.0000
2	00:34:52	19410.0790	1219256.1000	0.0000
3	00:35:28	19269.7540	1250331.4000	0.0000
4	00:36:05	19720.8070	1273283.5000	0.0000
5	00:36:42	19988.9450	1291977.2000	0.0000
x		19287.3210	1241751.8000	0.0000
%RSD		3.875	3.755	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	00:39:40	239165.1100	7.5000	TM 13917733.0000	TM 1940013.6000	TM 2227467.6000	11087.3710	TM 2042429.2000	653013.4200
2	00:40:16	243039.8300	11.6667	TM 14467221.0000	TM 2021857.4000	TM 2301582.3000	10899.6230	TM 2094478.6000	666748.4500
3	00:40:53	247169.5000	17.5000	TM 14820103.0000	TM 2076104.3000	TM 2375105.3000	11332.7010	TM 2142534.2000	683138.1500
4	00:41:29	244499.1000	10.8333	TM 14972224.0000	TM 2098921.3000	TM 2389737.1000	11565.5200	TM 2171613.0000	684719.0800
5	00:42:06	249563.4500	10.0000	TM 15206992.0000	TM 2129426.7000	TM 2432380.9000	11630.6110	TM 2217058.3000	690775.8800
x		244687.4000	11.5000	TM 14676855.0000	TM 2053264.7000	TM 2345254.6000	11303.1650	TM 2133622.7000	675679.0000
%RSD		1.624	32.163	TM 3.422	TM 3.630	TM 3.454	2.749	TM 3.173	2.291

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	00:39:40	735.0324	35196.6720	3860.8942	ID 5076.5458	621809.4300	221649.0100	39440.6130	4823.8958
2	00:40:16	677.5275	35382.4560	3820.8757	ID 4981.4885	633532.4300	223510.2400	37215.4140	4783.8727
3	00:40:53	635.0242	36798.5690	3995.9578	ID 5241.6480	646415.0700	227449.7100	36858.8350	4696.3230
4	00:41:29	532.5170	36770.9480	4068.4929	ID 5289.1780	649693.3800	226260.4900	35302.1160	4561.2480
5	00:42:06	520.0162	36575.0880	3713.3271	ID 5419.2615	654090.6900	227711.7200	33291.3660	4661.3033
x		620.0235	36144.7470	3891.9096	ID 5201.6244	641108.2000	225316.2400	36421.6690	4705.3285
%RSD		14.961	2.181	3.632	ID 3.340	2.064	1.172	6.289	2.204

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	00:39:40	4143.5299	5436.7729	2612.9096	493950.3400	2810.4738	955.8882	128.3343	41.6668
2	00:40:16	3758.3473	5259.1590	2640.4182	503974.6300	2898.8374	998.3931	138.3345	69.1670
3	00:40:53	3963.4423	5306.6891	2705.4391	515942.2000	2952.1895	967.5562	149.1680	65.0003
4	00:41:29	3625.7886	5484.3041	2697.9367	521473.5600	3008.0428	1027.5633	159.1682	74.1670
5	00:42:06	3740.8394	5606.8856	2735.4489	523957.3300	2998.8728	1025.8965	165.8350	58.3335
x		3846.3895	5418.7621	2678.4305	511859.6100	2933.6833	995.0595	148.1680	61.6669
%RSD		5.353	2.578	1.876	2.468	2.775	3.299	10.259	20.427

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	00:39:40	1087341.6000	86.2504	62.5002	66.2503	1218.8391	3030.5510	1197290.7000	27.5000
2	00:40:16	1118425.3000	148.7513	97.5006	126.2510	1218.8391	2906.7569	1243818.7000	10.0000
3	00:40:53	1147924.1000	197.5023	85.0004	188.7521	1225.0900	3103.0776	1268899.1000	27.5000
4	00:41:29	1167725.6000	228.7531	132.5011	221.2529	1367.6122	3185.6088	1289870.1000	45.0001
5	00:42:06	1178779.1000	243.7536	102.5006	222.5030	1317.6042	3313.1585	1314075.8000	35.0001
x		1140039.1000	181.0022	96.0006	165.0019	1269.5969	3107.8305	1262790.9000	29.0001
%RSD		3.274	35.492	26.659	40.979	5.435	4.949	3.553	44.210

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	00:39:40	9775.7305	20557.8260	35708.8440	1832518.1000	311.2558	670.0269	6507.5399	5664.4245
2	00:40:16	10366.4440	21482.6550	37283.2160	1920672.5000	311.2558	750.0338	7140.5579	5907.0929
3	00:40:53	10471.5750	21758.3690	38596.6760	1996824.7000	327.5064	735.0324	7213.1204	6107.2371
4	00:41:29	10819.5190	22505.3480	38970.9110	T 2120121.7000	322.5062	731.2821	7265.6660	6517.5477
5	00:42:06	11027.2910	22412.5990	39269.8100	T 2153889.0000	340.0069	803.7888	7490.8653	6322.3975
x		10492.1120	21743.3590	37965.8910	T 2004805.2000	322.5063	738.0328	7123.5499	6103.7399
%RSD		4.578	3.638	3.877	T 6.708	3.748	6.479	5.172	5.500

Run	Time	208Pb	209Bi	220Bkg
1	00:39:40	13934.1400	1163504.2000	0.0000
2	00:40:16	14878.2700	1221857.8000	0.0000
3	00:40:53	15506.9140	1263321.9000	0.0000
4	00:41:29	15424.2610	1292666.6000	0.0000
5	00:42:06	16280.8890	1318942.3000	0.0000
x		15204.8950	1252058.5000	0.0000
%RSD		5.713	4.891	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	00:45:04	242462.5400	7.5000	TM 16767013.0000	TM 2357439.5000	TM 2674749.7000	9330.2203	TM 2411695.3000	668993.0800
2	00:45:41	243730.4000	0.0000	TM 17429502.0000	TM 2455381.5000	TM 2796946.8000	10163.6940	TM 2495538.2000	687578.2200
3	00:46:18	245636.8300	10.8333	TM 17821162.0000	TM 2513213.3000	TM 2862050.3000	10041.0460	TM 2542928.2000	696333.5800
4	00:46:54	247008.1500	7.5000	TM 18057824.0000	TM 2519639.0000	TM 2892064.8000	9740.6895	TM 2567608.5000	699465.2500
5	00:47:31	246146.5500	8.3333	TM 17895157.0000	TM 2495965.2000	TM 2878639.0000	10293.8540	TM 2588752.0000	703363.7700
x		244996.8900	6.8333	TM 17594131.0000	TM 2468327.7000	TM 2820890.1000	9913.9007	TM 2521304.4000	691146.7800
%RSD		0.758	59.369	TM 2.937	TM 2.708	TM 3.172	3.886	TM 2.793	1.980

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	00:45:04	697.5292	34149.8300	4025.9723	ID 4736.3456	624131.2300	217086.2300	41116.1830	3188.1097
2	00:45:41	597.5214	34920.5140	3873.4000	ID 4798.8814	637735.5700	221620.7700	39915.3660	3310.6575
3	00:46:18	640.0246	35111.3130	4023.4711	ID 4923.9543	655397.6200	224573.2600	37747.8010	3358.1765
4	00:46:54	547.5180	35239.3520	3950.9364	ID 4986.4915	658827.9200	224480.8200	36622.7970	3495.7331
5	00:47:31	545.0178	35553.1800	3933.4281	ID 4933.9602	662635.2500	225441.2300	37391.1980	3268.1407
x		605.5222	34994.8380	3961.4416	ID 4875.9266	647745.5200	222640.4600	38558.6690	3324.1635
%RSD		10.685	1.502	1.629	ID 2.134	2.514	1.537	4.878	3.444

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	00:45:04	3890.9081	4758.8584	2392.8435	413161.9100	2885.4995	994.2260	155.8348	60.8336
2	00:45:41	3765.8507	4718.8357	2265.3079	421738.4200	2999.7065	1090.0713	169.1684	66.6669
3	00:46:18	3768.3518	4653.7991	2380.3399	432138.9700	3001.3737	1057.5671	160.0015	73.3337
4	00:46:54	3803.3677	4866.4205	2547.8894	434602.2400	3023.0482	991.7257	137.5011	65.0003
5	00:47:31	3743.3406	4881.4293	2400.3456	434957.5800	3078.0684	1052.5665	148.3347	80.8337
x		3794.3638	4775.8686	2397.3453	427319.8200	2997.5393	1037.2313	154.1681	69.3336
%RSD		1.531	2.035	4.193	2.239	2.342	4.136	7.768	11.320

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	00:45:04	1131353.4000	71.2503	102.5006	63.7502	1300.1014	3148.0945	1252969.6000	25.0000
2	00:45:41	1175581.1000	83.7504	127.5010	75.0003	1405.1185	3394.4412	1310133.9000	40.0001
3	00:46:18	1198718.2000	73.7503	140.0012	53.7502	1358.8608	3318.1605	1336631.5000	27.5000
4	00:46:54	1205965.7000	81.2504	102.5006	63.7502	1461.3781	3428.2050	1350956.9000	25.0000
5	00:47:31	1212292.7000	102.5006	95.0005	106.2507	1430.1227	3451.9648	1357410.4000	30.0001
x		1184782.2000	82.5004	113.5008	72.5003	1391.1163	3348.1732	1321620.5000	29.5001
%RSD		2.780	14.923	16.962	28.014	4.543	3.666	3.213	21.102

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	00:45:04	10516.6320	23405.3220	40674.0210	T 2067837.9000	396.2594	903.7990	7050.4813	5834.5418
2	00:45:41	11109.9010	24044.6390	42367.4270	T 2153235.9000	456.2625	976.3072	7505.8788	6580.0968
3	00:46:18	11370.2520	25102.7520	43581.1620	T 2213198.0000	438.7616	972.5568	7548.4172	6775.2531
4	00:46:54	11658.1490	24804.3610	44066.2030	T 2226930.9000	431.2612	983.8081	7821.1685	6730.2167
5	00:47:31	11563.0170	25218.1000	44651.8070	T 2247159.5000	425.0108	987.5585	7818.6662	6605.1166
x		11243.5900	24515.0350	43068.1240	T 2181672.4000	429.5111	964.8059	7548.9224	6505.0450
%RSD		4.067	3.144	3.669	T 3.329	5.114	3.588	4.174	5.899

Run	Time	208Pb	209Bi	220Bkg
1	00:45:04	15692.2610	1241920.7000	0.0000
2	00:45:41	15827.5160	1312443.6000	0.0000
3	00:46:18	16679.1750	1353461.2000	0.0000
4	00:46:54	16917.1540	1360325.9000	0.0000
5	00:47:31	16904.6290	1366481.7000	0.0000
x		16404.1470	1326926.6000	0.0000
%RSD		3.643	3.920	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	00:50:29	246060.7300	10.0000	T 13039625.0000	T 1831136.5000	T 2085769.1000	16436.1930	TM 1967187.3000	666975.5900
2	00:51:06	248362.5300	10.8333	T 13374864.0000	T 1875485.5000	T 2147368.3000	15011.0080	TM 2015543.1000	675304.1500
3	00:51:43	251283.1500	13.3333	T 13579824.0000	T 1885473.6000	T 2190330.7000	15511.9240	TM 2065439.0000	688407.6800
4	00:52:19	251667.8400	7.5000	T 13641015.0000	T 1905134.2000	T 2202322.8000	15574.5400	TM 2061340.9000	690744.6900
5	00:52:56	254104.2900	10.8333	T 13874595.0000	T 1942448.6000	T 2221983.6000	15744.8600	TM 2087235.0000	695457.2400
x		250295.7100	10.5000	T 13501985.0000	T 1887935.7000	T 2169554.9000	15655.7050	TM 2039349.1000	683377.8700
%RSD		1.248	19.920	T 2.325	T 2.160	T 2.500	3.288	TM 2.356	1.731

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	00:50:29	687.5284	35003.3600	4010.9650	ID 4853.9132	555454.7500	224973.8500	37825.6520	2898.0038
2	00:51:06	630.0238	36246.1560	4153.5349	ID 5164.0996	568133.1100	224450.0000	34890.3880	2835.4823
3	00:51:43	585.0205	36891.4790	4196.0561	ID 5356.7211	574580.9600	224896.8100	33999.2160	2687.9334
4	00:52:19	660.0261	36949.2340	4058.4880	ID 5266.6637	573393.1800	225654.3800	32455.5790	2780.4638
5	00:52:56	532.5170	37024.5670	3925.9246	ID 5299.1843	577674.2100	226147.4800	32528.3620	2552.8910
x		619.0232	36422.9590	4068.9937	ID 5188.1164	569847.2400	225224.5000	34339.8390	2750.9549
%RSD		9.937	2.340	2.671	ID 3.845	1.536	0.298	6.413	4.905

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	00:50:29	3503.2362	5641.9092	2885.4995	471446.3500	2641.2518	1064.2346	160.0015	64.1669
2	00:51:06	3423.2030	5606.8856	2767.9596	479766.6300	2714.6087	1092.5716	145.0013	70.0003
3	00:51:43	3590.7735	5526.8321	2765.4588	481192.9500	2613.7432	1067.5684	160.8349	53.3335
4	00:52:19	3490.7310	5769.4965	2775.4621	485979.0500	2770.4605	1020.8959	141.6679	69.1670
5	00:52:56	3455.7164	5649.4143	2767.9596	490810.2200	2783.7982	989.2254	170.8351	60.8336
x		3492.7320	5638.9076	2792.4679	481839.0400	2704.7725	1046.8992	155.6681	63.5002
%RSD		1.807	1.555	1.867	1.505	2.802	3.943	7.771	10.718

Run	Time	89Y	107Ag	108Mo Q	109Ag	111Cd	114Cd	115In	118Sn
1	00:50:29	1115456.6000	115.0008	92.5005	73.7503	1397.6172	3520.7436	1233379.4000	35.0001
2	00:51:06	1147818.5000	106.2507	65.0003	72.5003	1475.1305	3654.5512	1269872.0000	35.0001
3	00:51:43	1165438.6000	117.5008	80.0004	105.0007	1592.6522	3598.2767	1290230.0000	52.5002
4	00:52:19	1174927.9000	137.5011	135.0011	92.5005	1625.1585	3580.7691	1297665.2000	35.0001
5	00:52:56	1183486.6000	112.5008	117.5008	110.0007	1546.3935	3772.1035	1310058.3000	30.0001
x		1157425.6000	117.7508	98.0006	90.7505	1527.3904	3625.2888	1280241.0000	37.5001
%RSD		2.328	10.026	28.828	19.076	6.014	2.619	2.342	23.094

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	00:50:29	8882.2311	20780.8780	36203.4710	1895309.6000	333.7567	763.7850	3230.6261	2735.4489
2	00:51:06	9180.0536	20993.9110	37659.9040	1971469.3000	352.5075	836.2920	3445.7122	2958.0249
3	00:51:43	9395.2933	21399.9420	38152.1360	T 2090784.9000	370.0082	900.0486	3623.2875	3060.5619
4	00:52:19	9402.8018	21700.7190	38079.3040	2040650.3000	350.0074	850.0434	3500.7352	3170.6030
5	00:52:56	9588.0126	22327.3710	38880.4900	T 2142574.4000	350.0074	873.7958	3793.3632	3018.0464
x		9289.6785	21440.5640	37795.0610	T 2028157.7000	351.2574	844.7929	3518.7448	2988.5370
%RSD		2.903	2.847	2.625	T 4.808	3.664	6.081	5.945	5.400

Run	Time	208Pb	209Bi	220Bkg
1	00:50:29	7320.7142	1202028.0000	0.0000
2	00:51:06	7395.7804	1259170.9000	0.0000
3	00:51:43	7718.5729	1287514.0000	0.0000
4	00:52:19	7736.0892	1299448.7000	0.0000
5	00:52:56	7906.2487	1297633.2000	0.0000
x		7615.4811	1269159.0000	0.0000
%RSD		3.249	3.218	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	00:55:54	227607.2600	17.5000	TM 32445069.0000	TM 4528915.5000	TM 5153802.2000	5541.8421	TM 8148234.2000	636413.7900
2	00:56:31	228240.9100	15.8333	TM 33443208.0000	TM 4706536.8000	TM 5389594.7000	5784.5069	TM 8366363.9000	650778.3300
3	00:57:08	227906.9500	10.8333	TM 34049642.0000	TM 4764188.2000	TM 5426572.4000	5862.0611	TM 8509904.3000	660717.8600
4	00:57:44	230716.8700	8.3333	TM 34422381.0000	TM 4810453.6000	TM 5529518.2000	5626.8991	TM 8621729.5000	666432.0800
5	00:58:21	230889.0500	17.5000	TM 34731053.0000	TM 4870630.2000	TM 5607706.1000	5922.1035	TM 8694570.0000	670528.1500
x		229072.2100	14.0000	TM 33818271.0000	TM 4736144.8000	TM 5421438.7000	5747.4826	TM 8468160.4000	656974.0400
%RSD		0.697	29.881	TM 2.677	TM 2.757	TM 3.182	2.776	TM 2.569	2.082

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	00:55:54	942.5533	33203.5170	3548.2552	ID 4536.2343	2161134.0000	276595.3600	147325.8800	7916.2582
2	00:56:31	780.0365	33733.1380	3473.2236	ID 4951.4706	T 2188963.9000	279905.6900	129163.2900	7545.9149
3	00:57:08	820.0404	34536.4180	3403.1948	ID 4836.4030	T 2207546.0000	279592.9500	130978.8000	7545.9149
4	00:57:44	765.0351	33986.6650	3553.2574	ID 5051.5306	2274548.2000	283662.0600	129810.7400	7588.4535
5	00:58:21	720.0311	33703.0160	3488.2299	ID 4941.4647	T 2269947.5000	281614.3300	127376.1000	7473.3496
x		805.5393	33832.5510	3493.2322	ID 4863.4206	T 2220427.9000	280274.0800	132930.9600	7613.9782
%RSD		10.494	1.434	1.763	ID 4.074	T 2.258	0.934	6.132	2.285

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	00:55:54	22926.4940	8066.4021	4918.9513	TM 5213641.9000	2572.8971	1305.9357	382.5088	150.8347
2	00:56:31	23169.6650	8546.8807	4918.9513	TM 5345346.7000	2583.7338	1258.4283	361.6745	137.5011
3	00:57:08	23352.6750	8654.4917	4983.9900	TM 5402160.2000	2712.9415	1390.9494	350.0074	155.0014
4	00:57:44	23713.6920	8762.1040	4836.4030	TM 5472520.8000	2792.1343	1400.9511	340.8403	137.5011
5	00:58:21	23608.3940	8729.5699	5029.0170	TM 5479481.8000	2692.9350	1371.7796	354.1742	125.8343
x		23354.1840	8551.8897	4937.4625	TM 5382630.3000	2670.9284	1345.6088	357.8410	141.3345
%RSD		1.372	3.318	1.483	TM 2.031	3.460	4.548	4.390	8.272

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	00:55:54	1054218.1000	2162.7806	2562.8940	2131.5226	39159.2910	91682.8350	1138503.5000	15.0000
2	00:56:31	1085755.9000	2396.5946	2702.9383	2317.8223	40322.3180	95789.8960	1178191.6000	32.5001
3	00:57:08	1099247.3000	2406.5975	2782.9646	2250.3038	41377.4710	97037.9620	1203117.1000	35.0001
4	00:57:44	1115209.0000	2376.5888	2940.5187	2361.5846	42018.1650	98513.8770	1220394.9000	30.0001
5	00:58:21	1134016.6000	2545.3887	2973.0302	2387.8421	42182.7430	99825.5990	1230686.4000	42.5001
x		1097689.4000	2377.5900	2792.4692	2289.8151	41011.9980	96570.0340	1194178.7000	31.0001
%RSD		2.756	5.779	6.081	4.484	3.090	3.237	3.093	32.559

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	00:55:54	1615.1565	9232.6116	16528.8760	T 1883273.8000	562.5190	1296.3508	5746.9810	4846.4089
2	00:56:31	1560.1460	9870.8426	16887.0930	1865245.3000	560.0188	1383.8649	5897.0858	5099.0595
3	00:57:08	1630.1594	9653.0877	17022.3680	1914583.2000	551.2682	1406.3687	6139.7610	5396.7469
4	00:57:44	1765.1869	9830.7953	17581.0260	T 2029463.6000	628.7737	1395.1168	6257.3484	5274.1685
5	00:58:21	1807.6960	9725.6720	17528.4150	T 2070238.5000	586.2706	1407.6189	6382.4432	5349.2163
x		1675.6690	9662.6018	17109.5560	T 1952560.9000	577.7701	1377.8640	6084.7239	5193.1200
%RSD		6.296	2.642	2.601	T 4.696	5.421	3.380	4.276	4.321

Run	Time	208Pb	209Bi	220Bkg
1	00:55:54	12314.0910	1065096.0000	0.0000
2	00:56:31	12957.5660	1107983.7000	0.0000
3	00:57:08	13350.6860	1138661.9000	0.0000
4	00:57:44	13731.3040	1167090.1000	0.0000
5	00:58:21	13916.6110	1179597.5000	0.0000
x		13254.0520	1131685.8000	0.0000
%RSD		4.842	4.096	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	01:01:23	241019.0600	5.8333	TM 17580825.0000	TM 2448572.4000	TM 2824526.4000	5706.9535	TM 4288722.9000	672817.0500
2	01:02:00	241147.7000	8.3333	TM 18102582.0000	TM 2542659.0000	TM 2900575.3000	5649.4143	TM 4454033.2000	686609.2600
3	01:02:37	243858.2200	8.3333	TM 18551621.0000	TM 2619497.5000	TM 2998492.2000	5694.4449	TM 4563652.7000	700223.9100
4	01:03:13	246337.9100	7.5000	TM 18861548.0000	TM 2643058.6000	TM 3040294.1000	5476.7991	TM 4609372.2000	710365.7000
5	01:03:50	246873.4100	10.0000	TM 18979731.0000	TM 2650431.3000	TM 3048372.3000	5852.0541	TM 4691648.8000	715742.8800
x		243847.2600	8.0000	TM 18415261.0000	TM 2580843.7000	TM 2962452.1000	5675.9332	TM 4521486.0000	697151.7600
%RSD		1.135	18.923	TM 3.132	TM 3.308	TM 3.272	2.375	TM 3.447	2.518

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	01:01:23	672.5271	20978.8740	2895.5029	ID 4091.0039	1116253.5000	236177.5300	75742.6600	3990.9554
2	01:02:00	662.5263	22192.0100	2815.4755	ID 4441.1831	1150515.1000	237267.8500	70628.0360	4183.5499
3	01:02:37	685.0282	21983.9590	2712.9415	ID 4541.2370	1168163.5000	237998.2400	66857.1210	3950.9364
4	01:03:13	672.5271	21635.5490	2810.4738	ID 4496.2126	1179610.4000	239873.3700	67086.4530	3760.8484
5	01:03:50	622.5233	22076.7040	2875.4960	ID 4556.2452	1186509.6000	242960.9100	69425.4940	4010.9650
x		663.0264	21773.4190	2821.9780	ID 4425.1764	1160210.4000	238855.5800	69947.9530	3979.4510
%RSD		3.621	2.252	2.527	ID 4.341	2.422	1.114	5.157	3.798

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	01:01:23	12672.1280	4971.4825	2840.4840	T 2966830.0000	1103.4064	1135.9107	202.5025	111.6674
2	01:02:00	12624.5560	5004.0020	2915.5099	T 3048652.2000	1178.4166	1271.7637	244.1702	94.1672
3	01:02:37	12466.8180	5201.6229	2850.4874	T 3106770.9000	1141.7449	1210.9213	206.6692	95.0005
4	01:03:13	12649.5930	5076.5458	2832.9815	T 3137285.5000	1175.0828	1245.9265	243.3369	107.5007
5	01:03:50	12414.2400	5321.6987	2830.4806	T 3160058.9000	1169.2487	1222.5897	216.6695	103.3340
x		12565.4670	5115.0704	2853.9887	T 3083919.5000	1153.5799	1217.4224	222.6697	102.3340
%RSD		0.929	2.844	1.236	T 2.518	2.735	4.204	8.949	7.495

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	01:01:23	1130093.4000	1257.5949	1480.1314	1172.5825	21572.8870	51431.9770	1244846.6000	30.0001
2	01:02:00	1168447.0000	1372.6130	1522.6391	1226.3402	22606.8730	53907.5490	1299535.9000	17.5000
3	01:02:37	1199318.6000	1386.3653	1600.1536	1330.1061	23020.5030	54774.4250	1318939.3000	35.0001
4	01:03:13	1213003.3000	1360.1110	1550.1442	1286.3493	23551.9850	56256.7510	1358489.3000	20.0000
5	01:03:50	1224231.2000	1275.0975	1620.1575	1315.1038	23983.2120	56260.5260	1373198.1000	27.5000
x		1187018.7000	1330.3564	1554.6452	1266.0964	22947.0920	54526.2450	1319001.8000	26.0000
%RSD		3.207	4.472	3.661	5.184	4.047	3.670	3.861	27.702

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	01:01:23	842.5426	4981.4885	8904.7551	1936681.1000	323.7563	710.0303	3248.1329	2742.9514
2	01:02:00	892.5478	5211.6292	9155.0261	2039264.5000	261.2541	743.7832	3420.7019	2765.4588
3	01:02:37	842.5426	5396.7469	9257.6394	T 2193587.2000	306.2556	771.2857	3470.7226	2885.4995
4	01:03:13	965.0559	5321.6987	9638.0703	T 2236762.8000	365.0080	743.7832	3583.2702	3030.5510
5	01:03:50	960.0553	5361.7243	9628.0588	T 2246735.9000	328.7565	802.5386	3443.2112	3085.5711
x		900.5488	5254.6575	9316.7099	T 2130606.3000	317.0061	754.2842	3433.2078	2902.0063
%RSD		6.685	3.193	3.392	T 6.413	11.920	4.591	3.521	5.295

Run	Time	208Pb	209Bi	220Bkg
1	01:01:23	6810.2817	1198906.3000	0.0000
2	01:02:00	7383.2693	1272181.4000	0.0000
3	01:02:37	7701.0567	1316901.6000	0.0000
4	01:03:13	7418.3004	1329933.5000	0.0000
5	01:03:50	7603.4672	1350565.4000	0.0000
x		7383.2751	1293697.6000	0.0000
%RSD		4.687	4.659	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	01:06:49	255888.4900	600.8550	490.0144	60.0002	100.0006	630.0238	645.0250	712270.9800
2	01:07:26	258076.9500	615.0227	835.0418	100.0006	120.0009	612.5225	745.0333	724700.8900
3	01:08:02	261704.1500	573.3531	1425.1218	240.0035	310.0058	692.5288	785.0370	736721.9900
4	01:08:39	258680.2300	629.1904	2470.3661	310.0058	400.0096	605.0220	1067.5684	744116.4100
5	01:09:15	260643.3300	565.0192	2160.2800	385.0089	375.0084	697.5292	982.5579	745104.0800
x		258998.6300	596.6881	1476.1648	219.0038	261.0051	647.5253	845.0443	732582.8700
%RSD		0.877	4.557	57.107	62.825	54.361	6.847	20.670	1.908

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	01:06:49	437.5115	18886.3770	8614.4502	ID 3915.9198	4408.6659	201980.9700	1780.1901	4221.0688
2	01:07:26	350.0074	18861.3210	8752.0935	ID 3868.3977	4513.7221	200247.3800	1750.1838	4045.9820
3	01:08:02	365.0080	19071.7990	8757.0988	ID 3830.8803	4538.7357	203965.9500	1665.1664	4126.0212
4	01:08:39	305.0056	18966.5590	8917.2685	ID 3768.3518	4561.2480	204642.2300	1550.1442	4131.0237
5	01:09:15	302.5055	18989.1110	8979.8356	ID 4083.5003	4668.8075	203430.6000	1617.6570	4226.0713
x		352.0076	18955.0330	8804.1493	ID 3893.4100	4538.2358	202853.4200	1672.6683	4150.0334
%RSD		15.653	0.445	1.652	ID 3.061	2.060	0.865	5.645	1.811

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	01:06:49	877.5462	5019.0110	2325.3244	1852.7059	633.3574	1896.8825	368.3415	56.6669
2	01:07:26	977.5573	4803.8842	2360.3342	1882.7127	636.6910	1853.5394	376.6752	57.5002
3	01:08:02	1010.0612	5246.6511	2412.8493	1972.7335	653.3590	1859.3741	383.3422	65.0003
4	01:08:39	980.0576	4983.9900	2517.8803	2030.2473	601.6884	1907.7183	415.0103	68.3336
5	01:09:15	945.0536	5104.0626	2532.8849	2062.7553	624.1900	1811.0301	419.1772	61.6669
x		958.0552	5031.5198	2429.8546	1960.2309	629.8572	1865.7089	392.5093	61.8336
%RSD		5.276	3.232	3.817	4.643	3.009	2.061	5.888	7.996

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	01:06:49	1200266.6000	3008.0428	55.0002	2980.5329	661.2762	1497.6346	1323421.0000	10.0000
2	01:07:26	1237867.6000	3101.8272	50.0001	3113.0814	621.2732	1483.8821	1374434.2000	22.5000
3	01:08:02	1252588.2000	3223.1232	40.0001	3086.8216	648.7753	1478.8812	1405009.6000	15.0000
4	01:08:39	1273437.0000	3256.8863	50.0001	3093.0739	692.5288	1571.3981	1416600.7000	27.5000
5	01:09:15	1270978.1000	3136.8403	42.5001	3243.1310	703.7797	1508.8866	1415864.9000	22.5000
x		1247027.5000	3145.3440	47.5001	3103.3282	665.5266	1508.1365	1387066.1000	19.5000
%RSD		2.397	3.152	12.892	3.018	5.011	2.471	2.846	35.576

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	01:06:49	3308.1565	4010.9650	6907.8619	1957173.8000	2317.8223	5430.5189	1997.7394	1655.1644
2	01:07:26	3490.7310	4231.0738	7408.2915	T 2115479.3000	2335.3272	5659.4211	1990.2376	1775.1891
3	01:08:02	3485.7289	4241.0789	7398.2826	2094082.3000	2429.1040	5700.6992	2287.8140	1665.1664
4	01:08:39	3415.6999	4371.1461	7743.5961	T 2198670.8000	2462.8639	5905.8420	2067.7565	1672.6679
5	01:09:15	3673.3094	4303.6110	7430.8115	T 2203789.8000	2466.6150	5867.0646	2187.7871	1815.1977
x		3474.7251	4231.5750	7377.7687	T 2113839.2000	2402.3465	5712.7092	2106.2669	1716.6771
%RSD		3.835	3.202	4.060	T 4.744	2.954	3.318	6.114	4.271

Run	Time	208Pb	209Bi	220Bkg
1	01:06:49	4030.9747	1304808.6000	0.0000
2	01:07:26	4296.1071	1366355.8000	2.5000
3	01:08:02	4416.1698	1405609.2000	0.0000
4	01:08:39	4318.6187	1422954.0000	0.0000
5	01:09:15	4346.1330	1435340.8000	0.0000
x		4281.6007	1387013.7000	0.5000
%RSD		3.438	3.808	223.607

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	01:12:14	240878.4100	135047.9800	672135.1900	93299.3790	107346.9800	607193.4600	21061.5820	666479.4000
2	01:12:50	241344.1000	135014.1100	684357.3500	94472.4850	110183.6400	611319.3300	21287.1540	673484.0900
3	01:13:27	241734.3400	133410.2500	685029.3400	97203.6260	109702.3500	608442.2900	21653.0950	670789.2000
4	01:14:04	239426.6300	133936.0900	686671.6000	95817.7130	110735.8900	610271.5600	21530.2770	675431.3600
5	01:14:41	240212.9500	133141.8400	692858.5800	96950.7050	110903.0900	609785.3300	21394.9290	672649.2900
x		240719.2800	134110.0500	684210.4100	95548.7810	109774.3900	609402.4000	21385.4070	671766.6700
%RSD		0.381	0.662	1.102	1.735	1.309	0.264	1.064	0.505

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	01:12:14	477.5137	825698.2200	781377.5100	ID 78349.0910	1016820.9000	1356887.0000	29429.3740	1010139.3000
2	01:12:50	350.0074	835711.4300	789277.5000	ID 80317.7000	1028012.2000	1387179.9000	29768.0730	1015985.0000
3	01:13:27	345.0071	835526.7100	788767.4300	ID 79633.6820	1026135.6000	1386522.9000	29635.1010	1010870.5000
4	01:14:04	327.5064	830334.1700	786982.4200	ID 79800.2640	1037835.2000	1394308.2000	29529.7280	1021868.4000
5	01:14:41	252.5038	836999.0400	785677.4800	ID 79777.5480	1028677.2000	1399027.2000	30234.7490	1020821.0000
x		350.5077	832853.9100	786416.4700	ID 79575.6570	1027496.2000	1384785.0000	29719.4050	1015936.9000
%RSD		23.132	0.570	0.402	ID 0.921	0.729	1.187	1.058	0.535

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	01:12:14	225184.4200	553519.6400	266277.3200	153060.3600	138975.9400	36633.6780	14551.0260	56.6669
2	01:12:50	226617.4900	557627.9300	269947.6100	155792.8000	141268.1700	37075.6260	15007.6680	55.8335
3	01:13:27	226229.6700	558356.8900	270639.5200	156302.2000	141568.2000	37399.5690	15117.8670	55.0002
4	01:14:04	228723.8800	562144.2300	270479.4500	156536.5400	141423.2700	37289.9130	14878.2700	49.1668
5	01:14:41	227118.3600	557160.6700	272000.2700	158210.2100	141747.8800	37168.5390	15109.5190	55.8335
x		226774.7600	557761.8700	269868.8300	155980.4200	140996.6900	37113.4650	14932.8700	54.5002
%RSD		0.574	0.552	0.795	1.197	0.811	0.794	1.570	5.576

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	01:12:14	1118450.9000	727457.5000	9648.0819	709554.5200	146589.3100	344190.4500	1249118.1000	35.0001
2	01:12:50	1147972.7000	746689.5000	9720.6662	725751.7000	150069.1900	354666.2800	1285982.4000	17.5000
3	01:13:27	1147852.7000	753800.1500	10133.6580	735165.6400	152500.2300	358847.1800	1291547.6000	22.5000
4	01:14:04	1157680.7000	759140.0200	10421.5120	739819.1600	153182.5700	363634.3900	1308519.9000	10.0000
5	01:14:41	1164359.8000	766961.0700	10313.8790	744986.7600	153754.2100	366141.9400	1319189.7000	7.5000
x		1147263.4000	750809.6500	10047.5590	731055.5600	151219.1000	357496.0500	1290871.5000	18.5000
%RSD		1.530	2.000	3.464	1.908	1.947	2.420	2.079	59.367

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	01:12:14	402475.0000	95827.8290	167680.2000	1847310.8000	558219.3700	1374257.0000	472191.8300	372785.7300
2	01:12:50	416144.9800	98486.0510	173089.1100	1909761.8000	582790.1500	1435237.5000	491183.7900	387489.1800
3	01:13:27	423975.2400	99836.9840	173949.2500	T 2045402.9000	597724.2900	1464540.1000	503112.3000	399095.6500
4	01:14:04	430549.8000	100788.3300	176604.2200	1976429.2000	600554.8300	1478898.0000	508789.3900	404329.1000
5	01:14:41	433907.4000	101674.0000	177500.4600	1995097.5000	610631.5500	1498354.0000	516792.5400	409395.1700
x		421410.4800	99322.6390	173764.6500	T 1954800.4000	589984.0400	1450257.3000	498413.9700	394618.9700
%RSD		2.984	2.299	2.220	T 3.953	3.452	3.332	3.486	3.716

Run	Time	208Pb	209Bi	220Bkg
1	01:12:14	955948.4500	1247473.1000	0.0000
2	01:12:50	999973.3400	1302519.8000	0.0000
3	01:13:27	1029038.0000	1339359.3000	0.0000
4	01:14:04	1039324.9000	1354573.3000	2.5000
5	01:14:41	1049666.1000	1368823.4000	0.0000
x		1014790.2000	1322549.8000	0.5000
%RSD		3.721	3.682	223.607

CCB4 07/03/2008 01:17:01

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	01:17:37	235117.3400	12.5000	245.0036	35.0001	30.0001	1127.5763	477.5137	662155.5200
2	01:18:14	242875.1300	11.6667	260.0041	35.0001	40.0001	1172.5825	495.0147	684525.3500
3	01:18:51	244830.2800	7.5000	290.0051	25.0000	80.0004	1172.5825	545.0178	696771.7800
4	01:19:27	246867.4100	9.1667	375.0084	70.0003	65.0003	1230.0908	495.0147	704890.0000
5	01:20:04	249575.4700	10.8333	330.0065	60.0002	55.0002	1342.6081	510.0156	710538.2700
x		243853.1200	10.3333	300.0055	45.0001	54.0002	1209.0880	504.5153	691776.1800
%RSD		2.247	19.422	17.678	42.310	36.688	6.867	5.034	2.780

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	01:17:37	370.0082	600.0216	1850.2054	ID 3478.2257	215.0028	166881.9100	1680.1694	30.0001
2	01:18:14	357.5077	502.5152	1882.7127	ID 3458.2174	212.5027	172468.9500	1555.1451	50.0001
3	01:18:51	355.0076	532.5170	1885.2132	ID 3603.2788	207.5026	175212.8100	1530.1405	62.5002
4	01:19:27	310.0058	582.5204	1920.2212	ID 3690.8171	240.0035	175715.7300	1520.1386	35.0001
5	01:20:04	332.5066	632.5240	1967.7323	ID 3675.8105	212.5027	177033.1800	1487.6328	37.5001
x		345.0072	570.0196	1901.2169	ID 3581.2699	217.5029	173462.5200	1554.6453	43.0001
%RSD		6.894	9.169	2.350	ID 3.033	5.917	2.327	4.775	30.599

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	01:17:37	35.0001	317.5061	127.5010	202.5025	29.1667	968.3896	51.6668	51.6668
2	01:18:14	50.0001	310.0058	155.0014	265.0042	23.3334	935.8859	59.1669	54.1668
3	01:18:51	52.5002	307.5057	125.0009	265.0042	31.6667	945.8870	48.3335	60.8336
4	01:19:27	32.5001	325.0063	122.5009	237.5034	34.1667	954.2213	64.1669	66.6669
5	01:20:04	32.5001	300.0054	117.5008	247.5037	30.0001	965.0559	65.0003	60.0002
x		40.5001	312.0059	129.5010	243.5036	29.6667	953.8879	57.6669	58.6669
%RSD		24.459	3.072	11.372	10.586	13.559	1.410	12.901	10.074

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	01:17:37	1131193.7000	80.0004	7.5000	66.2503	2.5000	11.2500	1257513.9000	15.0000
2	01:18:14	1174710.1000	88.7505	7.5000	67.5003	10.0000	15.0000	1321781.3000	7.5000
3	01:18:51	1205183.8000	70.0003	2.5000	65.0003	2.5000	12.5000	1359354.9000	17.5000
4	01:19:27	1231329.3000	75.0003	12.5000	75.0003	7.5000	15.0000	1383381.9000	7.5000
5	01:20:04	1242912.2000	56.2502	15.0000	60.0002	2.5000	16.2500	1412404.9000	10.0000
x		1197065.8000	74.0003	9.0000	66.7503	5.0000	14.0000	1346887.4000	11.5000
%RSD		3.778	16.351	54.149	8.120	70.711	14.671	4.454	39.491

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	01:17:37	942.5533	5.0000	2.5000	1892203.0000	55.0002	142.5012	105.0007	50.0001
2	01:18:14	1035.0643	0.0000	20.0000	1991803.9000	62.5002	141.2512	70.0003	90.0005
3	01:18:51	972.5568	2.5000	7.5000	T 2140156.1000	61.2502	171.2518	82.5004	70.0003
4	01:19:27	870.0454	10.0000	5.0000	T 2196888.0000	57.5002	160.0015	107.5007	52.5002
5	01:20:04	805.0389	7.5000	7.5000	T 2231061.3000	52.5002	151.2514	97.5006	80.0004
x		925.0517	5.0000	8.5000	T 2090422.5000	57.7502	153.2514	92.5005	68.5003
%RSD		9.683	79.057	79.466	T 6.874	7.244	8.210	17.200	25.233

Run	Time	208Pb	209Bi	220Bkg
1	01:17:37	152.5014	1279932.1000	0.0000
2	01:18:14	140.0012	1350806.4000	0.0000
3	01:18:51	172.5018	1402405.8000	0.0000
4	01:19:27	162.5016	1440982.7000	0.0000
5	01:20:04	182.5020	1466908.8000	0.0000
x		162.0016	1388207.2000	0.0000
%RSD		10.260	5.379	0.000

Run MS208081 Summary		44Ca	6Li	45Sc	89Y	115In	159Tb	209Bi
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
S0	07/07/2008 11:50:15	0	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
S50	07/07/2008 11:54:26	50.731	98.41%	96.85%	97.05%	97.95%	98.53%	99.64%
S200	07/07/2008 11:58:36	201.77	96.20%	91.16%	90.50%	91.30%	91.87%	93.65%
S500	07/07/2008 12:02:48	508.14	93.84%	87.13%	85.77%	86.34%	86.92%	89.25%
S1000	07/07/2008 12:07:00	1005.5	92.25%	84.75%	84.91%	86.70%	88.82%	92.37%
S1500	07/07/2008 12:11:12	1510.8	97.68%	90.73%	89.95%	90.80%	91.79%	94.51%
S2000	07/07/2008 12:15:23	1986.9	98.71%	91.47%	89.06%	89.13%	89.09%	90.81%
ICV2	07/07/2008 12:19:36	2031.1	96.92%	89.25%	87.82%	88.15%	89.47%	91.86%
ICB2	07/07/2008 12:23:50	-4.4012	100.58%	95.96%	94.66%	95.06%	96.49%	98.69%
CRII2	07/07/2008 12:28:03	-0.417	100.05%	94.58%	92.28%	92.16%	92.51%	93.98%
ICSA2	07/07/2008 12:32:17	111450	87.13%	76.29%	72.55%	78.16%	78.96%	78.79%
ICSAB2	07/07/2008 12:36:32	111980	87.80%	79.30%	76.60%	82.82%	84.97%	84.74%
CCV5	07/07/2008 12:40:45	1009.3	98.43%	91.00%	89.91%	91.52%	94.59%	97.69%
CCB5	07/07/2008 12:44:57	11.902	99.68%	93.58%	91.24%	91.70%	93.22%	95.71%
PBW	07/07/2008 12:49:09	26.562	105.09%	96.98%	94.73%	96.32%	99.09%	101.71%
LCSW	07/07/2008 12:53:21	2109.2	102.49%	93.07%	91.96%	93.83%	97.16%	100.50%
MH2662	07/07/2008 12:57:34	164910	100.00%	86.70%	82.18%	81.90%	88.62%	84.76%
MH2662L	07/07/2008 13:01:47	32434	100.72%	86.69%	83.16%	84.40%	88.45%	90.51%
MH2664	07/07/2008 13:06:00	155920	95.20%	83.86%	80.41%	81.09%	88.75%	85.57%
MH2668	07/07/2008 13:10:14	157490	95.32%	82.86%	78.72%	78.66%	85.09%	81.81%
MH2670	07/07/2008 13:14:27	157800	96.00%	82.86%	78.53%	78.22%	84.35%	81.01%
MH2672	07/07/2008 13:18:41	**298760**	93.71%	84.35%	80.65%	80.64%	88.68%	83.09%
MH2672-2x	07/07/2008 13:22:55	150450	98.51%	86.50%	83.50%	84.31%	91.01%	88.38%
ZZZZZZ	07/07/2008 13:27:10	4.4313	100.41%	89.28%	85.96%	87.35%	89.10%	92.23%
CCV6	07/07/2008 13:31:23	988.77	93.72%	83.19%	80.69%	82.33%	84.41%	88.53%
CCB6	07/07/2008 13:35:35	-2.2467	95.54%	85.97%	84.00%	85.76%	88.24%	92.94%
MH2673	07/07/2008 13:39:46	134820	93.92%	81.61%	77.81%	77.87%	83.46%	80.92%
MH2675	07/07/2008 13:43:58	213990	93.59%	82.83%	77.68%	76.16%	82.51%	76.72%
MH2677	07/07/2008 13:48:12	143310	96.36%	84.62%	81.92%	82.50%	88.95%	86.34%
MH2679	07/07/2008 13:52:25	122590	98.26%	86.63%	83.65%	83.97%	90.11%	87.70%
MH2681	07/07/2008 13:56:38	165080	97.00%	86.41%	81.73%	80.41%	85.83%	80.28%
MH2683	07/07/2008 14:00:52	118770	99.58%	87.52%	83.55%	83.45%	88.65%	85.55%
CRIF	07/07/2008 14:05:06	1.0278	103.64%	94.19%	91.95%	93.60%	96.22%	99.76%
CCV7	07/07/2008 14:09:20	996.37	97.06%	86.13%	83.78%	85.07%	86.86%	90.81%
CCB7	07/07/2008 14:13:36	-2.2748	96.20%	86.35%	83.73%	84.64%	86.25%	89.99%
MH2685	07/07/2008 14:17:50	**251780**	96.01%	85.01%	81.86%	82.39%	89.43%	85.93%
MH2685-2x	07/07/2008 14:22:04	125540	99.05%	85.49%	82.28%	83.98%	89.14%	88.62%
MH2686	07/07/2008 14:26:15	**250520**	96.17%	83.48%	79.02%	78.88%	84.51%	81.08%
MH2686-2x	07/07/2008 14:30:29	125950	98.57%	85.35%	82.02%	83.14%	88.24%	87.88%
MH2688	07/07/2008 14:34:46	117270	100.73%	88.47%	85.00%	85.82%	92.19%	89.80%
MH2690	07/07/2008 14:39:00	97255	101.41%	86.90%	82.73%	82.81%	87.53%	84.94%
MH2692	07/07/2008 14:43:14	111280	99.57%	85.48%	81.14%	80.92%	85.32%	82.25%
MH2694	07/07/2008 14:47:28	91730	101.70%	88.35%	84.69%	85.19%	90.94%	88.88%
MH2696	07/07/2008 14:51:43	**397800**	92.86%	84.14%	80.28%	79.37%	86.29%	79.04%
ZZZZZZ	07/07/2008 14:55:57	44.653	104.09%	93.31%	89.11%	89.31%	89.66%	91.54%
CCV8	07/07/2008 15:00:13	1033.5	98.80%	88.59%	85.80%	87.00%	89.04%	92.31%
CCB8	07/07/2008 15:04:29	25.978	100.59%	91.48%	89.51%	90.86%	93.15%	96.98%
MH2696-2X	07/07/2008 15:08:45	198740	95.03%	83.85%	80.10%	79.70%	84.63%	81.05%
CRIF2	07/07/2008 15:12:59	34.407	102.47%	91.12%	87.16%	87.58%	87.98%	90.58%
CCV9	07/07/2008 15:17:15	1047.6	98.01%	87.37%	85.37%	87.35%	89.79%	93.68%
CCB9	07/07/2008 15:21:29	26.21	98.17%	87.91%	85.39%	86.33%	87.82%	91.42%

Results are not used, due to results above the linear range.

Dilution result used.

Performance Report

RUN # MS2080 77

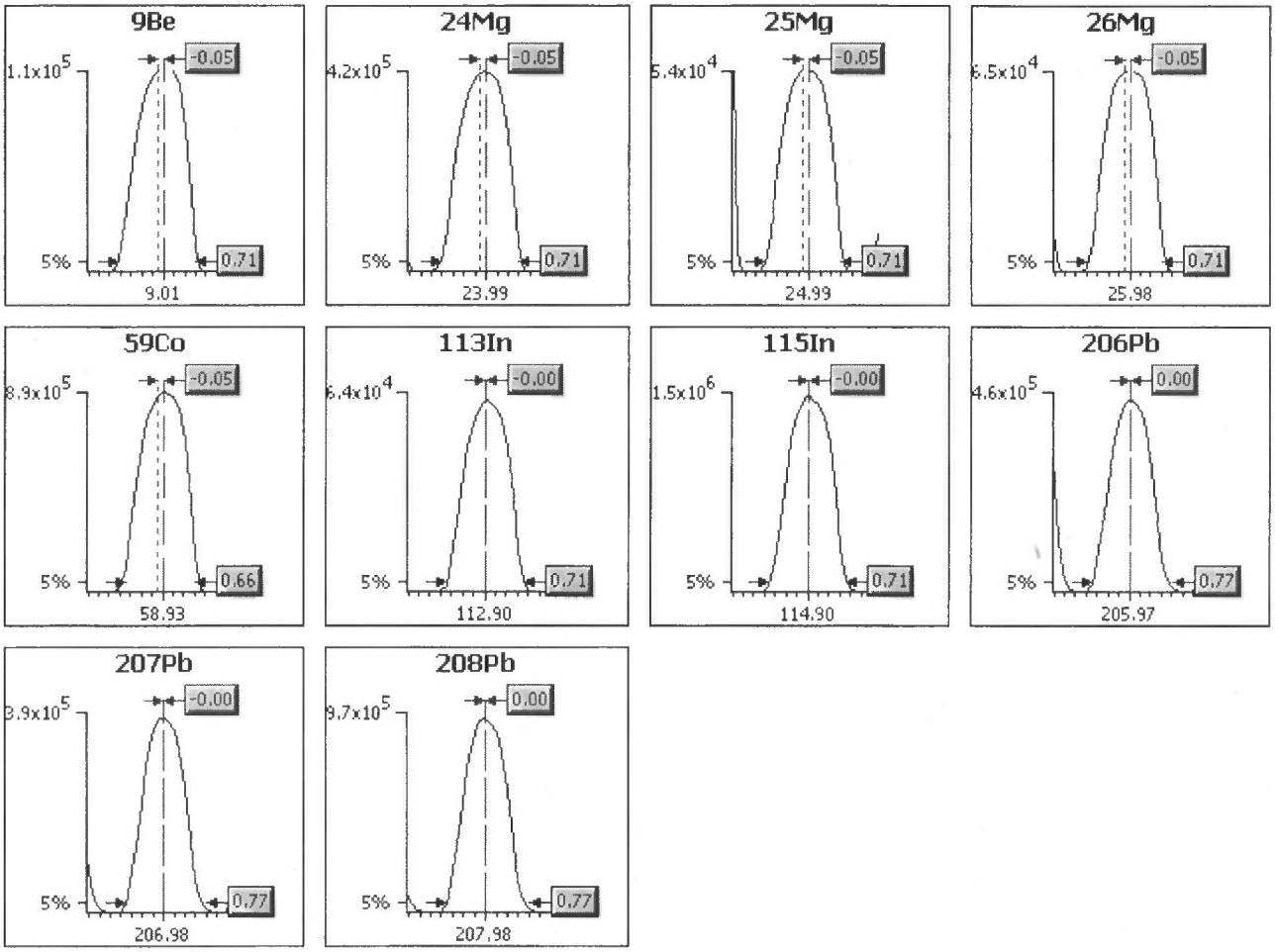
SDG# M H2602

Sample details
Acquired at : 07/07/2008 11:20:12
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 11:20:12
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

Sensitivity and stability results

TUNE

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	11:20:32	0.385	106479.80	430652.00	57178.570	66523.699	664816.22	910784.27	45617.336	0.000
2	11:21:45	0.154	106837.41	432324.58	57287.777	66448.487	670516.08	921998.08	45850.147	0.154
3	11:22:58	0.077	105977.31	433484.90	57514.717	67071.914	671283.55	923916.42	46023.664	0.000
4	11:24:12	0.154	106763.40	434050.94	57774.970	66795.863	669099.50	923159.83	45958.691	0.077
5	11:25:25	0.308	107625.93	432441.17	57372.976	67075.791	668234.85	917167.66	45854.272	0.231
x		0.215	106736.77	432590.72	57425.802	66783.151	668790.04	919405.25	45860.822	0.092
σ		0.13	600.89	1302.27	230.65	295.17	2519.53	5488.59	154.55	0.10
%RSD		58.685	0.563	0.301	0.402	0.442	0.377	0.597	0.337	108.653

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	11:20:32	64709.498	1533284.9	1128062.1	1660840.1	34394.937	479698.86	394909.07	989566.11	0.385
2	11:21:45	65233.560	1553752.1	1142524.8	1685937.1	34729.912	486099.63	401000.64	1001187.6	0.462
3	11:22:58	65269.223	1551417.3	1140649.9	1682687.1	34249.725	490012.98	401784.78	1005124.2	0.308
4	11:24:12	64374.612	1544165.7	1135117.6	1669136.4	34729.139	481688.86	396760.11	991561.39	0.385
5	11:25:25	63956.023	1525495.0	1120256.0	1652983.4	34444.886	471767.84	390966.46	976840.08	0.385
x		64708.583	1541623.0	1133322.1	1670316.8	34509.720	481853.64	397084.21	992855.86	0.385
σ		562.98	12032.70	9219.58	14041.60	213.08	6910.08	4463.66	11055.90	0.05
%RSD		0.870	0.781	0.814	0.841	0.617	1.434	1.124	1.114	14.142

Ratio results

Run	Time	56Ar O/59Co	138Ba++/138Ba	115In/101Bkg	156Ce O/140Ce
Ratio limits		-	-	>10000.0000	<0.0300
1	11:20:32	0.730	0.040	INF	0.021
2	11:21:45	0.727	0.040	10099389	0.021
3	11:22:58	0.727	0.040	INF	0.020
4	11:24:12	0.725	0.040	20074154	0.021
5	11:25:25	0.729	0.041	6610478.4	0.021
x		0.7274	0.0405	12261340	0.0207
σ		0.00	0.00	8337488.91	0.00
%RSD		0.2695	0.7253	67.9982	0.9459

Result : The performance report passed.

Experiment Details

RUN# MS208081
~~ICP M02~~ 07/07/08
ICPM02
07/07/08

ILM05.4-HW3

SDG# MH2662
CASE# 37402

44 Ca ONLY.

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Elemental\PlasmaLab\data\Run Data\MS208078.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	07/07/2008 15:28:30
Instrument Detector	Simultaneous
Database Version	3.51
Acquisition Mode	Unknown

Numerical Results report key (text indicates meaning)

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

Column headings
- No flag
- Semi Quant
- Standard Addition
- Multi Element

Result cells
- Internal Standard
- Excluded
- QC Warning
- QC Failure

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

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

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
13C	1	10000	
44Ca	1	10000	
45Sc	1	20000	Standard
52Cr	1	10000	Standard
53Cl O	1	10000	Standard
77Ar Cl	1	30000	Standard
82Se	1	30000	Standard
83Kr	1	30000	Standard
88Sr	1	10000	Standard

89Y	1	10000	Standard
106Cd	1	10000	Standard
108Mo O	1	10000	Standard
115In	1	10000	Standard
118Sn	1	10000	Standard
159Tb	1	10000	Standard
209Bi	1	20000	Standard
220Bkg	1	10000	Standard

Calibration Technique

Use External Drift Correction - No
Calibrate by - Element

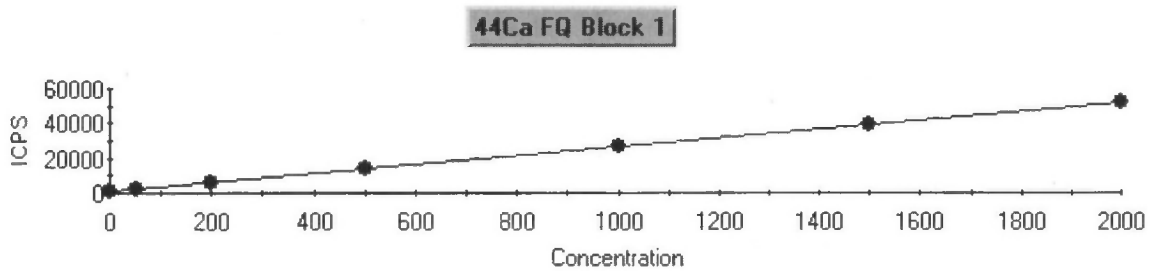
Symbol	Interference Correction	RSF	Calibration Method	Line Fit	Weighting	Forcing	Use for Semi-Quant	Max Error	Minimum Correlation
6Li	Yes	1.00	None				No		
7Li	Yes	1.00	None				No		
13C	Yes	0.05	None				No		
44Ca	Yes	0.99	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
45Sc	Yes	1.00	None				No		
52Cr	Yes	0.98	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		
88Sr	Yes	0.96	None				No		
89Y	Yes	0.98	None				No		
106Cd	Yes	0.57	None				No		
115In	Yes	0.99	None				No		
118Sn	Yes	0.96	None				No		
159Tb	Yes	0.99	None				No		
209Bi	Yes	0.92	None				No		
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	S50	Fully Quant Standard	1.000	1	1	2	144
3	S200	Fully Quant Standard	1.000	1	1	3	144
4	S500	Fully Quant Standard	1.000	1	1	4	144
5	S1000	Fully Quant Standard	1.000	1	1	5	144
6	S1500	Fully Quant Standard	1.000	1	1	6	144
7	S2000	Fully Quant Standard	1.000	1	1	7	144
8	ICV2	Unknown	1.000	1	1	8	144
9	ICB2	Unknown	1.000	1	1	9	144
10	CRII2	Unknown	1.000	1	1	10	144
11	ICSA2	Unknown	1.000	1	1	11	144
12	ICSAB2	Unknown	1.000	1	1	12	144
13	CCV5	Unknown	1.000	1	2	1	144
14	CCB5	Unknown	1.000	1	2	2	144
15	PBW	Unknown	1.000	1	2	3	144
16	LCSW	Unknown	1.000	1	2	4	144
17	MH2662	Unknown	1.000	1	2	5	144
18	MH2662L	Unknown	1.000	1	2	6	144
19	MH2664	Unknown	1.000	1	2	7	144
20	MH2668	Unknown	1.000	1	2	8	144
21	MH2670	Unknown	1.000	1	2	9	144
22	MH2672	Unknown	1.000	1	2	10	144
23	MH2672-2x	Unknown	1.000	1	2	11	144
24	ZZZZZZ	Unknown	1.000	1	2	12	144
25	CCV6	Unknown	1.000	1	3	1	144
26	CCB6	Unknown	1.000	1	3	2	144
27	MH2673	Unknown	1.000	1	3	3	144
28	MH2675	Unknown	1.000	1	3	4	144
29	MH2677	Unknown	1.000	1	3	5	144
30	MH2679	Unknown	1.000	1	3	6	144
31	MH2681	Unknown	1.000	1	3	7	144
32	MH2683	Unknown	1.000	1	3	8	144
33	CRIF	Unknown	1.000	1	3	9	144
34	CCV7	Unknown	1.000	1	3	10	144
35	CCB7	Unknown	1.000	1	3	11	144
36	MH2685	Unknown	1.000	1	3	12	144
37	MH2685-2x	Unknown	1.000	1	4	1	144
38	MH2686	Unknown	1.000	1	4	2	144

39	MH2686-2x	Unknown	1.000	1	4	3	144
40	MH2688	Unknown	1.000	1	4	4	144
41	MH2690	Unknown	1.000	1	4	5	144
42	MH2692	Unknown	1.000	1	4	6	144
43	MH2694	Unknown	1.000	1	4	7	144
44	MH2696	Unknown	1.000	1	4	8	144
45	ZZZZZZ	Unknown	1.000	1	4	9	144
46	CCV8	Unknown	1.000	1	4	10	144
47	CCB8	Unknown	1.000	1	4	11	144
48	MH2696-2X	Unknown	1.000	1	4	12	144
49	CRIF2	Unknown	1.000	1	5	1	144
50	CCV9	Unknown	1.000	1	5	2	144
51	CCB9	Unknown	1.000	1	5	3	144

Fully Quant Calibration



Intercept CPS=873.484518 Intercept Conc=34.002333
Sensitivity=25.688959 Correlation Coeff=0.999954

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	873.48	0.00
S50	50.000	50.731	0.731	2176.72	1.46
S200	200.000	201.775	1.775	6056.87	0.89
S500	500.000	508.139	8.139	13927.05	1.63
S1000	1000.000	1005.491	5.491	26703.51	0.55
S1500	1500.000	1510.777	10.777	39683.77	0.72
S2000	2000.000	1986.941	13.059	51915.94	0.65

Dilution Corrected Concentrations

S0 07/07/2008 11:50:15

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:50:31	99.67%	1.8857	98.90%	98.02%	-38.8190
2	11:50:47	100.03%	-1.3393	99.14%	99.31%	-47.0120
3	11:51:04	99.84%	-1.5212	100.01%	100.02%	1.6549
4	11:51:20	99.83%	1.4862	100.61%	100.98%	59.5840
5	11:51:36	100.65%	-0.5115	101.34%	101.68%	24.5920
x		100.00%	0.0000	100.00%	100.00%	-0.0000
%RSD		0.38	0.0000	1.01	1.43	0.0000

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	11:50:31	97.59%	96.63%	96.78%	0.0000
2	11:50:47	98.71%	98.56%	98.60%	0.0000
3	11:51:04	100.41%	100.16%	100.34%	0.0000
4	11:51:20	101.47%	101.82%	101.77%	0.0000
5	11:51:36	101.83%	102.82%	102.52%	0.0000
x		100.00%	100.00%	100.00%	0.0000
%RSD		1.81	2.48	2.34	0.0000

S50 07/07/2008 11:54:26

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:54:42	96.99%	49.9070	95.39%	93.65%	-138.0900
2	11:54:58	98.60%	52.4660	95.92%	96.03%	-90.2350
3	11:55:14	99.06%	47.4120	97.35%	97.72%	-71.6990
4	11:55:30	98.56%	51.0830	97.75%	98.08%	54.7450
5	11:55:46	98.81%	52.7890	97.84%	99.77%	126.6600
x		98.41%	50.7310	96.85%	97.05%	-23.7230
%RSD		0.83	4.3034	1.16	2.39	464.5200

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	11:54:42	94.33%	93.67%	94.53%	0.0000
2	11:54:58	96.21%	96.54%	97.69%	0.0000
3	11:55:14	98.76%	99.46%	99.97%	0.0000
4	11:55:30	99.71%	100.78%	102.10%	0.0000
5	11:55:46	100.77%	102.22%	103.89%	0.0000
x		97.95%	98.53%	99.64%	0.0000
%RSD		2.70	3.49	3.69	0.0000

S200 07/07/2008 11:58:36

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:58:52	96.00%	200.2500	89.94%	88.50%	-414.2000
2	11:59:08	96.41%	205.1900	90.91%	89.69%	176.7300
3	11:59:25	96.12%	201.3300	90.83%	90.68%	-29.4180
4	11:59:41	97.04%	203.9600	91.79%	91.78%	-17.5710
5	11:59:57	95.42%	198.1400	92.34%	91.86%	43.5350
x		96.20%	201.7700	91.16%	90.50%	-48.1860
%RSD		0.62	1.4044	1.02	1.58	457.3400

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	11:58:52	88.88%	88.64%	89.91%	0.0000
2	11:59:08	90.29%	90.43%	91.99%	0.0000
3	11:59:25	91.27%	91.63%	93.75%	0.0000
4	11:59:41	92.86%	93.94%	95.66%	0.0000
5	11:59:57	93.20%	94.71%	96.93%	0.0000
x		91.30%	91.87%	93.65%	0.0000
%RSD		1.97	2.72	3.00	0.0000

S500 07/07/2008 12:02:48

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	12:03:04	93.79%	510.9100	86.09%	83.01%	-84.0990
2	12:03:20	93.92%	501.9300	86.13%	84.69%	-157.7400
3	12:03:36	94.12%	502.4300	87.25%	86.20%	-360.6000
4	12:03:53	94.09%	511.4100	87.99%	87.02%	-112.3000
5	12:04:09	93.31%	514.0200	88.23%	87.92%	-439.6900
x		93.85%	508.1400	87.14%	85.77%	-230.8900
%RSD		0.35	1.0961	1.16	2.27	68.9540

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	12:03:04	83.42%	83.04%	84.89%	0.0000
2	12:03:20	85.37%	85.27%	87.50%	220.2300
3	12:03:36	86.64%	87.46%	89.50%	107.6500
4	12:03:53	87.33%	88.55%	91.65%	0.0000
5	12:04:09	88.94%	90.29%	92.74%	311.6600
x		86.34%	86.92%	89.25%	127.9100
%RSD		2.41	3.26	3.55	107.3500

S1000 07/07/2008 12:07:00

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	12:07:16	91.95%	994.1900	84.52%	83.25%	-158.5800
2	12:07:33	92.05%	1006.6000	84.50%	83.89%	-585.2100
3	12:07:49	92.33%	997.7200	84.28%	85.28%	358.4600
4	12:08:05	92.56%	1008.8000	85.27%	85.79%	-716.7300
5	12:08:21	92.34%	1020.2000	85.18%	86.33%	-120.8900
x		92.25%	1005.5000	84.75%	84.91%	-244.5900
%RSD		0.27	1.0158	0.52	1.53	174.1000

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	12:07:16	84.31%	85.40%	88.01%	0.0000
2	12:07:33	85.72%	86.94%	90.77%	0.0000
3	12:07:49	86.96%	89.48%	92.61%	208.0600
4	12:08:05	87.91%	90.45%	94.82%	101.6100
5	12:08:21	88.62%	91.84%	95.62%	0.0000
x		86.70%	88.82%	92.37%	61.9340
%RSD		1.99	2.95	3.35	149.8100

S1500 07/07/2008 12:11:12

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	12:11:28	96.80%	1489.8000	88.80%	87.44%	-85.7030
2	12:11:44	97.71%	1488.9000	90.31%	89.07%	-146.5400
3	12:12:00	96.85%	1518.2000	91.21%	90.34%	-3.4334
4	12:12:16	98.63%	1514.9000	91.45%	90.98%	-62.6150
5	12:12:32	98.40%	1542.1000	91.90%	91.92%	26.7480
x		97.68%	1510.8000	90.73%	89.95%	-54.3090
%RSD		0.87	1.4709	1.35	1.94	125.9600

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	12:11:28	87.87%	88.53%	91.12%	0.0000
2	12:11:44	89.98%	90.59%	93.26%	0.0000
3	12:12:00	91.42%	92.46%	95.04%	0.0000
4	12:12:16	91.79%	92.90%	95.92%	0.0000
5	12:12:32	92.91%	94.48%	97.24%	0.0000
x		90.80%	91.79%	94.51%	0.0000
%RSD		2.14	2.50	2.53	0.0000

S2000 07/07/2008 12:15:23

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	12:15:39	97.98%	1983.7000	89.91%	86.18%	-87.9890
2	12:15:56	98.94%	1963.7000	90.72%	88.33%	-239.1800
3	12:16:12	98.62%	2002.6000	91.56%	89.57%	-119.8600
4	12:16:28	99.18%	2004.2000	92.07%	90.38%	-75.0520
5	12:16:44	98.84%	1980.4000	93.07%	90.84%	-110.0000
x		98.71%	1986.9000	91.47%	89.06%	-126.4200
%RSD		0.46	0.8478	1.33	2.10	51.7860

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	12:15:39	86.19%	85.64%	87.12%	0.0000
2	12:15:56	87.86%	87.79%	89.41%	0.0000
3	12:16:12	89.46%	89.35%	91.13%	0.0000
4	12:16:28	90.61%	90.80%	92.63%	0.0000
5	12:16:44	91.55%	91.86%	93.77%	0.0000
x		89.13%	89.09%	90.81%	0.0000
%RSD		2.41	2.76	2.90	0.0000

ICV2 07/07/2008 12:19:36

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	12:19:52	96.15%	2000.7000	87.95%	85.28%	-323.3600
2	12:20:08	96.37%	2061.1000	88.66%	86.70%	204.4600
3	12:20:25	96.79%	2031.0000	89.51%	87.84%	-57.0840
4	12:20:41	97.35%	2011.2000	89.74%	89.34%	-63.5470
5	12:20:57	97.97%	2051.3000	90.38%	89.94%	-72.1990
x		96.93%	2031.1000	89.25%	87.82%	-62.3460
%RSD		0.76	1.2614	1.07	2.17	299.4700

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	12:19:52	85.08%	85.29%	87.21%	110.4700
2	12:20:08	86.53%	87.47%	89.83%	107.2500
3	12:20:25	88.19%	89.66%	92.10%	0.0000
4	12:20:41	90.17%	91.84%	94.40%	102.0600
5	12:20:57	90.77%	93.10%	95.78%	0.0000
x		88.15%	89.47%	91.86%	63.9570
%RSD		2.72	3.55	3.75	91.4080

ICB2 07/07/2008 12:23:50

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	12:24:06	98.79%	-2.6230	93.49%	91.12%	-39.5830
2	12:24:22	100.18%	-4.8753	94.72%	93.41%	-16.5910
3	12:24:38	101.20%	-3.7790	96.12%	95.17%	59.9190
4	12:24:55	101.15%	-5.1985	97.15%	95.94%	60.2420
5	12:25:11	101.60%	-5.5302	98.32%	97.64%	77.6530
x		100.58%	-4.4012	95.96%	94.66%	28.3280
%RSD		1.13	27.0850	1.99	2.63	185.7800

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	12:24:06	91.62%	92.45%	94.00%	0.0000
2	12:24:22	93.76%	94.84%	96.90%	0.0000
3	12:24:38	95.56%	97.27%	99.28%	0.0000
4	12:24:55	96.80%	98.27%	100.54%	0.0000
5	12:25:11	97.55%	99.61%	102.72%	0.0000
x		95.06%	96.49%	98.69%	0.0000
%RSD		2.52	2.96	3.41	0.0000

CRII2 07/07/2008 12:28:03

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	12:28:19	100.08%	0.7448	92.80%	89.47%	-118.8800
2	12:28:36	98.74%	-0.1467	93.86%	91.24%	-32.6730
3	12:28:52	99.32%	0.5518	94.21%	92.40%	-107.3500
4	12:29:08	101.38%	-2.0903	95.60%	93.84%	-157.2100
5	12:29:24	100.73%	-1.1447	96.43%	94.45%	-129.6800
x		100.05%	-0.4170	94.58%	92.28%	-109.1600
%RSD		1.06	286.0400	1.52	2.17	42.6690

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	12:28:19	89.04%	89.06%	89.85%	0.0000
2	12:28:36	90.98%	91.07%	92.11%	0.0000
3	12:28:52	92.57%	92.46%	94.66%	0.0000
4	12:29:08	93.88%	94.18%	95.84%	0.0000
5	12:29:24	94.30%	95.78%	97.45%	0.0000
x		92.16%	92.51%	93.98%	0.0000
%RSD		2.35	2.83	3.21	0.0000

ICSA2 07/07/2008 12:32:17

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	12:32:33	86.21%	TM 110100.0000	74.31%	69.95%	1903.8000
2	12:32:50	86.34%	TM 110620.0000	75.32%	71.14%	1813.9000
3	12:33:06	87.42%	TM 111270.0000	76.45%	72.81%	1744.1000
4	12:33:22	88.03%	TM 111900.0000	77.36%	73.93%	1786.6000
5	12:33:39	87.64%	TM 113360.0000	78.01%	74.93%	1795.7000
x		87.13%	TM 111450.0000	76.29%	72.55%	1808.8000
%RSD		0.93	TM 1.1338	1.96	2.79	3.2583

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	12:32:33	74.52%	74.43%	74.17%	0.0000
2	12:32:50	76.44%	77.14%	76.68%	0.0000
3	12:33:06	78.57%	79.19%	79.10%	0.0000
4	12:33:22	79.96%	81.39%	81.31%	0.0000
5	12:33:39	81.31%	82.65%	82.70%	0.0000
x		78.16%	78.96%	78.79%	0.0000
%RSD		3.48	4.17	4.38	0.0000

ICSAB2 07/07/2008 12:36:32

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	12:36:48	86.17%	TM 111350.0000	77.28%	74.18%	1719.5000
2	12:37:04	87.23%	TM 111290.0000	78.60%	75.83%	1764.1000
3	12:37:21	88.87%	TM 111130.0000	79.98%	76.96%	1657.3000
4	12:37:37	88.53%	TM 112430.0000	80.23%	77.48%	1761.1000
5	12:37:53	88.19%	TM 113700.0000	80.40%	78.55%	1714.6000
x		87.80%	TM 111980.0000	79.30%	76.60%	1723.3000
%RSD		1.25	TM 0.9734	1.68	2.18	2.5187

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	12:36:48	79.71%	80.73%	80.38%	0.0000
2	12:37:04	81.78%	83.64%	83.30%	0.0000
3	12:37:21	82.84%	85.40%	84.89%	0.0000
4	12:37:37	84.21%	86.85%	86.95%	0.0000
5	12:37:53	85.54%	88.24%	88.17%	0.0000
x		82.82%	84.97%	84.74%	0.0000
%RSD		2.71	3.44	3.62	0.0000

CCV5 07/07/2008 12:40:45

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	12:41:01	97.96%	987.8100	89.76%	87.79%	-301.9800
2	12:41:18	97.91%	997.5700	90.19%	89.02%	-258.1500
3	12:41:34	99.16%	1022.7000	91.32%	90.45%	-109.2600
4	12:41:51	98.61%	1005.5000	91.87%	90.46%	66.7380
5	12:42:07	98.51%	1032.7000	91.84%	91.84%	-568.1600
x		98.43%	1009.3000	91.00%	89.91%	-234.1600
%RSD		0.52	1.8147	1.06	1.72	100.8000

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	12:41:01	89.05%	91.23%	94.28%	102.1900
2	12:41:18	90.63%	93.11%	96.41%	0.0000
3	12:41:34	92.15%	95.18%	98.15%	0.0000
4	12:41:51	92.47%	96.61%	99.54%	0.0000
5	12:42:07	93.27%	96.83%	100.06%	96.2850
x		91.52%	94.59%	97.69%	39.6950
%RSD		1.83	2.53	2.43	137.0300

CCB5 07/07/2008 12:44:57

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	12:45:13	99.28%	3.7069	91.12%	88.27%	-128.1600
2	12:45:29	99.71%	5.1145	92.85%	89.69%	-68.3630
3	12:45:46	99.31%	6.4339	93.92%	91.62%	-38.9090
4	12:46:02	99.54%	18.9040	94.38%	92.65%	-65.0100
5	12:46:18	100.56%	25.3520	95.60%	93.97%	45.3810
x		99.68%	11.9020	93.58%	91.24%	-51.0120
%RSD		0.52	81.1390	1.80	2.50	123.5400

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	12:45:13	88.56%	88.91%	91.20%	0.0000
2	12:45:29	90.22%	91.32%	94.00%	0.0000
3	12:45:46	92.16%	93.59%	96.27%	0.0000
4	12:46:02	93.04%	94.99%	97.46%	0.0000
5	12:46:18	94.55%	97.32%	99.63%	0.0000
x		91.70%	93.22%	95.71%	0.0000
%RSD		2.57	3.49	3.39	0.0000

PBW 07/07/2008 12:49:09

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	12:49:25	104.01%	28.8400	95.01%	91.82%	9.1267
2	12:49:41	105.80%	25.8820	96.29%	93.67%	32.0210
3	12:49:57	104.87%	27.3820	97.15%	94.63%	146.7900
4	12:50:14	104.63%	27.8720	97.49%	95.90%	196.5600
5	12:50:30	106.16%	22.8350	98.94%	97.63%	187.0900
x		105.09%	26.5620	96.98%	94.73%	114.3200
%RSD		0.83	8.8148	1.50	2.33	76.9490

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	12:49:25	92.52%	94.10%	96.66%	99.6720
2	12:49:41	94.65%	96.92%	99.16%	0.0000
3	12:49:57	96.60%	99.37%	102.19%	0.0000
4	12:50:14	98.10%	101.73%	104.35%	0.0000
5	12:50:30	99.72%	103.33%	106.17%	0.0000
x		96.32%	99.09%	101.71%	19.9340
%RSD		2.94	3.73	3.78	223.6100

LCSW 07/07/2008 12:53:21

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	12:53:37	100.72%	2085.5000	92.18%	90.05%	29.9920
2	12:53:54	101.79%	2124.7000	92.57%	91.08%	-28.5140
3	12:54:10	103.27%	2107.5000	93.63%	92.68%	124.2800
4	12:54:26	103.17%	2105.9000	93.44%	92.78%	60.9800
5	12:54:42	103.48%	2122.5000	93.52%	93.21%	66.5310
x		102.49%	2109.2000	93.07%	91.96%	50.6550
%RSD		1.16	0.7464	0.70	1.45	110.2500

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	12:53:37	91.68%	94.24%	96.80%	0.0000
2	12:53:54	92.58%	96.14%	99.55%	0.0000
3	12:54:10	94.37%	97.54%	100.55%	0.0000
4	12:54:26	94.92%	98.76%	102.36%	0.0000
5	12:54:42	95.60%	99.12%	103.22%	0.0000
x		93.83%	97.16%	100.50%	0.0000
%RSD		1.75	2.07	2.51	0.0000

MH2662 07/07/2008 12:57:34

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	12:57:50	97.91%	TM 162670.0000	85.93%	80.80%	-21.7820
2	12:58:06	101.67%	TM 164870.0000	87.03%	82.05%	50.8410
3	12:58:23	100.05%	TM 165890.0000	86.95%	82.29%	72.4870
4	12:58:39	100.65%	TM 165630.0000	86.94%	82.97%	39.3020
5	12:58:55	99.74%	TM 165500.0000	86.63%	82.82%	106.9400
x		100.00%	TM 164910.0000	86.70%	82.18%	49.5580
%RSD		1.38	TM 0.7944	0.53	1.05	95.7940

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	12:57:50	79.67%	86.07%	81.47%	118.2500
2	12:58:06	81.50%	87.53%	83.41%	115.5100
3	12:58:23	82.96%	89.16%	85.20%	0.0000
4	12:58:39	82.76%	89.92%	86.35%	0.0000
5	12:58:55	82.59%	90.42%	87.39%	0.0000
x		81.90%	88.62%	84.76%	46.7520
%RSD		1.67	2.03	2.78	136.9500

MH2662L 07/07/2008 13:01:47

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	13:02:03	100.57%	M 32247.0000	85.39%	80.79%	-31.5240
2	13:02:19	100.75%	M 32176.0000	86.59%	82.69%	-25.1580
3	13:02:36	100.32%	M 32457.0000	86.59%	83.25%	-18.5910
4	13:02:52	100.16%	M 32537.0000	87.75%	84.38%	85.4850
5	13:03:08	101.78%	M 32754.0000	87.12%	84.70%	69.3850
x		100.72%	M 32434.0000	86.69%	83.16%	15.9190
%RSD		0.63	M 0.7148	1.00	1.87	355.7200

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	13:02:03	81.67%	84.50%	86.06%	0.0000
2	13:02:19	83.57%	86.66%	88.40%	0.0000
3	13:02:36	84.52%	88.78%	90.85%	0.0000
4	13:02:52	85.85%	90.82%	93.15%	0.0000
5	13:03:08	86.40%	91.49%	94.08%	0.0000
x		84.40%	88.45%	90.51%	0.0000
%RSD		2.24	3.28	3.67	0.0000

MH2664 07/07/2008 13:06:00

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	13:06:17	94.60%	TM 154360.0000	82.80%	78.78%	20.8150
2	13:06:33	94.89%	TM 155270.0000	83.34%	79.83%	89.5960
3	13:06:49	95.82%	TM 155880.0000	84.20%	80.58%	180.5200
4	13:07:05	95.63%	TM 157280.0000	84.49%	81.38%	-108.9600
5	13:07:22	95.08%	TM 156820.0000	84.44%	81.47%	182.6000
x		95.21%	TM 155920.0000	83.86%	80.41%	72.9140
%RSD		0.54	TM 0.7538	0.89	1.41	167.5300

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	13:06:17	78.74%	85.09%	82.14%	117.2900
2	13:06:33	80.32%	87.76%	83.85%	0.0000
3	13:06:49	81.27%	89.17%	85.83%	0.0000
4	13:07:05	82.08%	90.12%	87.26%	0.0000
5	13:07:22	83.03%	91.60%	88.75%	0.0000
x		81.09%	88.75%	85.57%	23.4570
%RSD		2.04	2.79	3.08	223.6100

MH2668 07/07/2008 13:10:14

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	13:10:30	94.94%	TM 155720.0000	81.79%	76.47%	-129.8300
2	13:10:46	95.48%	TM 157250.0000	82.54%	78.45%	-78.1690
3	13:11:02	95.74%	TM 157510.0000	83.01%	78.85%	-3.3827
4	13:11:19	95.01%	TM 158360.0000	83.15%	79.36%	0.7447
5	13:11:35	95.41%	TM 158590.0000	83.83%	80.48%	116.2700
x		95.32%	TM 157490.0000	82.87%	78.72%	-18.8740
%RSD		0.35	TM 0.7228	0.91	1.87	493.6100

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	13:10:30	76.52%	81.68%	78.35%	0.0000
2	13:10:46	77.61%	83.42%	80.25%	0.0000
3	13:11:02	78.86%	85.30%	82.29%	0.0000
4	13:11:19	79.77%	86.87%	83.60%	0.0000
5	13:11:35	80.54%	88.18%	84.54%	113.9700
x		78.66%	85.09%	81.81%	22.7930
%RSD		2.06	3.06	3.07	223.6100

MH2670 07/07/2008 13:14:27

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	13:14:44	95.62%	TM 156410.0000	81.60%	75.97%	-44.2700
2	13:15:00	94.98%	TM 156250.0000	82.06%	77.47%	48.1670
3	13:15:16	97.18%	TM 158910.0000	82.88%	78.94%	147.4500
4	13:15:32	95.58%	TM 157870.0000	83.46%	79.88%	-47.8340
5	13:15:49	96.63%	TM 159580.0000	84.28%	80.39%	31.8170
x		96.00%	TM 157800.0000	82.86%	78.53%	27.0660
%RSD		0.92	TM 0.9378	1.30	2.31	295.9200

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	13:14:44	75.59%	80.32%	76.53%	0.0000
2	13:15:00	76.98%	82.50%	79.22%	0.0000
3	13:15:16	78.61%	84.76%	81.47%	0.0000
4	13:15:32	79.50%	86.42%	83.38%	0.0000
5	13:15:49	80.45%	87.76%	84.44%	0.0000
x		78.22%	84.35%	81.01%	0.0000
%RSD		2.49	3.54	3.95	0.0000

MH2672 07/07/2008 13:18:41

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	13:18:57	93.51%	TM 295120.0000	82.94%	78.28%	-95.2760
2	13:19:14	93.91%	TM 296470.0000	84.12%	79.53%	40.1350
3	13:19:30	93.32%	TM 297890.0000	84.37%	80.76%	35.1500
4	13:19:46	94.04%	TM 300430.0000	84.79%	82.31%	137.8400
5	13:20:02	93.76%	TM 303900.0000	85.54%	82.38%	72.1810
x		93.71%	TM 298760.0000	84.35%	80.65%	38.0050
%RSD		0.31	TM 1.1646	1.14	2.20	223.7000

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	13:18:57	77.79%	84.55%	78.78%	0.0000
2	13:19:14	79.60%	87.20%	81.44%	0.0000
3	13:19:30	80.67%	89.01%	83.67%	0.0000
4	13:19:46	82.31%	90.67%	85.20%	0.0000
5	13:20:02	82.82%	91.97%	86.36%	0.0000
x		80.64%	88.68%	83.09%	0.0000
%RSD		2.53	3.29	3.65	0.0000

MH2672-2x 07/07/2008 13:22:55

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	13:23:12	98.54%	TM 149090.0000	85.74%	82.07%	-50.4310
2	13:23:28	98.31%	TM 150480.0000	85.60%	83.29%	64.1820
3	13:23:44	99.52%	TM 150540.0000	87.14%	83.61%	150.4600
4	13:24:00	98.27%	TM 151180.0000	86.88%	84.01%	35.8150
5	13:24:17	97.91%	TM 150940.0000	87.16%	84.51%	188.7700
x		98.51%	TM 150450.0000	86.50%	83.50%	77.7590
%RSD		0.62	TM 0.5387	0.89	1.10	121.9800

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	13:23:12	82.41%	88.17%	85.34%	0.0000
2	13:23:28	83.69%	90.21%	87.63%	0.0000
3	13:23:44	84.81%	90.94%	88.75%	0.0000
4	13:24:00	85.26%	92.39%	89.61%	0.0000
5	13:24:17	85.38%	93.32%	90.58%	0.0000
x		84.31%	91.01%	88.38%	0.0000
%RSD		1.49	2.19	2.29	0.0000

zzzzzz 07/07/2008 13:27:10

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	13:27:26	99.12%	-2.7007	88.00%	84.23%	-73.4950
2	13:27:42	99.46%	3.9213	88.23%	85.40%	-33.7310
3	13:27:58	100.60%	0.4221	89.58%	85.91%	-55.4040
4	13:28:14	100.81%	7.2923	89.12%	86.32%	2.9586
5	13:28:31	102.04%	13.2210	91.48%	87.95%	59.7190
x		100.41%	4.4313	89.28%	85.96%	-19.9910
%RSD		1.16	139.4100	1.55	1.58	264.5300

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	13:27:26	85.10%	86.18%	89.08%	0.0000
2	13:27:42	86.57%	88.15%	91.18%	0.0000
3	13:27:58	87.78%	89.50%	92.75%	0.0000
4	13:28:14	88.06%	90.47%	93.88%	0.0000
5	13:28:31	89.23%	91.21%	94.27%	0.0000
x		87.35%	89.10%	92.23%	0.0000
%RSD		1.80	2.24	2.31	0.0000

CCV6 07/07/2008 13:31:23

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	13:31:39	92.38%	1002.3000	81.97%	78.69%	-400.7000
2	13:31:56	93.29%	980.3300	82.67%	80.07%	-369.7300
3	13:32:12	95.26%	981.1000	83.79%	80.69%	29.7430
4	13:32:28	93.21%	993.0500	83.39%	81.40%	-208.2200
5	13:32:44	94.46%	987.1100	84.12%	82.58%	-239.3700
x		93.72%	988.7700	83.19%	80.69%	-237.6600
%RSD		1.21	0.9234	1.04	1.80	71.7780

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	13:31:39	79.57%	80.64%	84.14%	114.5100
2	13:31:56	81.32%	82.76%	86.71%	0.0000
3	13:32:12	82.71%	85.22%	88.98%	0.0000
4	13:32:28	83.53%	86.34%	91.15%	0.0000
5	13:32:44	84.51%	87.06%	91.68%	0.0000
x		82.33%	84.41%	88.53%	22.9010
%RSD		2.35	3.15	3.55	223.6100

CCB6 07/07/2008 13:35:35

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	13:35:51	94.17%	-1.1769	83.95%	81.62%	-214.8300
2	13:36:07	95.36%	-4.2574	85.13%	83.12%	-109.7200
3	13:36:23	94.65%	-1.8889	86.13%	84.07%	37.5990
4	13:36:39	96.67%	-4.1692	87.14%	85.43%	24.0230
5	13:36:55	96.84%	0.2589	87.49%	85.78%	20.7190
x		95.54%	-2.2467	85.97%	84.00%	-48.4410
%RSD		1.25	87.0200	1.70	2.03	228.2000

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	13:35:51	82.58%	84.39%	88.59%	0.0000
2	13:36:07	84.41%	86.80%	90.95%	0.0000
3	13:36:23	86.02%	88.62%	93.55%	0.0000
4	13:36:39	87.55%	89.99%	95.08%	101.3300
5	13:36:55	88.23%	91.41%	96.51%	0.0000
x		85.76%	88.24%	92.94%	20.2670
%RSD		2.69	3.11	3.43	223.6100

MH2673 07/07/2008 13:39:46

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	13:40:02	93.47%	TM 134570.0000	80.27%	76.02%	70.3460
2	13:40:19	93.30%	TM 134680.0000	80.98%	76.53%	1.7905
3	13:40:35	93.60%	TM 134180.0000	81.96%	78.46%	43.0450
4	13:40:51	94.78%	TM 134910.0000	81.92%	78.63%	72.4330
5	13:41:08	94.45%	TM 135760.0000	82.92%	79.39%	63.4970
x		93.92%	TM 134820.0000	81.61%	77.81%	50.2220
%RSD		0.69	TM 0.4375	1.24	1.87	58.6600

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	13:40:02	75.39%	80.15%	77.42%	124.4500
2	13:40:19	76.95%	82.11%	79.48%	0.0000
3	13:40:35	77.96%	83.59%	81.11%	0.0000
4	13:40:51	78.72%	85.33%	82.69%	0.0000
5	13:41:08	80.32%	86.12%	83.91%	114.8200
x		77.87%	83.46%	80.92%	47.8530
%RSD		2.38	2.90	3.18	137.1200

MH2675 07/07/2008 13:43:58

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	13:44:14	92.96%	TM 211670.0000	80.99%	74.98%	-71.9520
2	13:44:31	92.78%	TM 214480.0000	81.98%	76.43%	-24.3440
3	13:44:47	92.96%	TM 212910.0000	82.73%	77.56%	-100.1100
4	13:45:04	95.10%	TM 214100.0000	84.31%	79.25%	152.9300
5	13:45:20	94.19%	TM 216800.0000	84.15%	80.20%	48.4750
x		93.59%	TM 213990.0000	82.83%	77.68%	0.9996
%RSD		1.08	TM 0.8963	1.71	2.71	10193.0000

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	13:44:14	73.38%	78.36%	72.66%	0.0000
2	13:44:31	74.79%	80.70%	75.11%	0.0000
3	13:44:47	76.00%	82.47%	76.94%	0.0000
4	13:45:04	77.80%	85.15%	78.61%	0.0000
5	13:45:20	78.87%	85.89%	80.27%	0.0000
x		76.16%	82.51%	76.72%	0.0000
%RSD		2.91	3.78	3.87	0.0000

MH2677 07/07/2008 13:48:12

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	13:48:28	96.91%	TM 141590.0000	83.88%	80.00%	-68.7870
2	13:48:44	96.13%	TM 142160.0000	84.08%	81.03%	125.3500
3	13:49:00	95.87%	TM 143750.0000	84.36%	82.36%	95.2130
4	13:49:16	96.28%	TM 144080.0000	85.34%	82.63%	140.4800
5	13:49:33	96.59%	TM 144990.0000	85.44%	83.57%	-3.6772
x		96.36%	TM 143310.0000	84.62%	81.92%	57.7160
%RSD		0.42	TM 0.9784	0.86	1.71	156.4200

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	13:48:28	80.12%	85.08%	82.52%	0.0000
2	13:48:44	81.50%	87.21%	84.56%	0.0000
3	13:49:00	82.60%	89.35%	86.65%	0.0000
4	13:49:16	83.80%	91.02%	88.38%	0.0000
5	13:49:33	84.47%	92.10%	89.59%	0.0000
x		82.50%	88.95%	86.34%	0.0000
%RSD		2.12	3.20	3.30	0.0000

MH2679 07/07/2008 13:52:25

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	13:52:41	97.56%	TM 122110.0000	84.74%	81.68%	23.3100
2	13:52:57	96.55%	TM 122310.0000	85.62%	82.42%	121.7600
3	13:53:13	99.82%	TM 122460.0000	87.89%	84.43%	-10.2030
4	13:53:30	98.83%	TM 123080.0000	87.20%	84.66%	67.2890
5	13:53:46	98.55%	TM 122990.0000	87.68%	85.07%	127.6900
x		98.26%	TM 122590.0000	86.63%	83.65%	65.9690
%RSD		1.27	TM 0.3474	1.59	1.79	91.4110

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	13:52:41	81.24%	86.34%	83.87%	0.0000
2	13:52:57	82.94%	88.78%	86.28%	0.0000
3	13:53:13	84.75%	91.40%	88.61%	0.0000
4	13:53:30	85.62%	91.88%	89.77%	0.0000
5	13:53:46	85.28%	92.13%	89.96%	0.0000
x		83.97%	90.11%	87.70%	0.0000
%RSD		2.19	2.77	2.96	0.0000

MH2681 07/07/2008 13:56:38

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	13:56:54	96.18%	TM 163790.0000	85.17%	79.78%	-95.4870
2	13:57:10	95.78%	TM 164670.0000	85.47%	80.90%	55.8970
3	13:57:27	98.08%	TM 165560.0000	86.87%	81.98%	140.3900
4	13:57:43	97.14%	TM 165240.0000	87.35%	82.79%	35.5180
5	13:57:59	97.79%	TM 166130.0000	87.17%	83.22%	204.2500
x		97.00%	TM 165080.0000	86.41%	81.73%	68.1130
%RSD		1.03	TM 0.5410	1.17	1.72	166.9700

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	13:56:54	77.85%	82.85%	77.19%	0.0000
2	13:57:10	79.55%	84.38%	79.25%	0.0000
3	13:57:27	80.38%	86.14%	80.57%	0.0000
4	13:57:43	81.74%	87.49%	81.89%	0.0000
5	13:57:59	82.51%	88.32%	82.49%	0.0000
x		80.41%	85.83%	80.28%	0.0000
%RSD		2.28	2.60	2.66	0.0000

MH2683 07/07/2008 14:00:52

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	14:01:08	99.36%	TM 116710.0000	86.35%	81.21%	-80.5060
2	14:01:24	98.50%	TM 119060.0000	86.60%	82.66%	15.5370
3	14:01:40	99.76%	TM 118280.0000	87.77%	83.65%	100.7800
4	14:01:56	99.45%	TM 119780.0000	88.55%	84.53%	66.1550
5	14:02:13	100.80%	TM 120010.0000	88.34%	85.72%	64.1320
x		99.58%	TM 118770.0000	87.52%	83.55%	33.2200
%RSD		0.83	TM 1.1240	1.14	2.07	212.0600

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	14:01:08	80.53%	84.34%	80.87%	0.0000
2	14:01:24	81.98%	86.67%	83.67%	0.0000
3	14:01:40	83.75%	88.94%	86.13%	0.0000
4	14:01:56	84.75%	90.90%	88.10%	0.0000
5	14:02:13	86.27%	92.39%	88.99%	0.0000
x		83.45%	88.65%	85.55%	0.0000
%RSD		2.71	3.64	3.88	0.0000

CRIF 07/07/2008 14:05:06

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	14:05:22	103.82%	-2.8435	92.77%	89.55%	-49.7390
2	14:05:38	102.62%	-3.2408	93.37%	90.91%	88.0030
3	14:05:54	103.76%	-0.5641	93.97%	92.38%	115.9300
4	14:06:11	103.10%	7.0123	94.82%	93.39%	210.5200
5	14:06:27	104.88%	4.7752	95.99%	93.50%	65.3340
x		103.64%	1.0278	94.19%	91.95%	86.0110
%RSD		0.82	450.0900	1.34	1.84	109.1600

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	14:05:22	90.83%	92.86%	95.56%	0.0000
2	14:05:38	92.56%	94.99%	98.39%	0.0000
3	14:05:54	94.10%	96.87%	100.26%	0.0000
4	14:06:11	94.82%	97.75%	101.38%	0.0000
5	14:06:27	95.71%	98.66%	103.23%	0.0000
x		93.60%	96.22%	99.76%	0.0000
%RSD		2.07	2.41	2.94	0.0000

CCV7 07/07/2008 14:09:20

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	14:09:36	96.69%	971.5700	85.60%	82.43%	-6.2545
2	14:09:52	96.85%	996.6000	86.06%	83.36%	-146.9100
3	14:10:09	97.40%	1004.9000	86.13%	83.87%	14.8980
4	14:10:25	96.53%	994.0700	86.30%	84.63%	-181.2100
5	14:10:42	97.82%	1014.7000	86.55%	84.63%	-100.1900
x		97.06%	996.3700	86.13%	83.78%	-83.9350
%RSD		0.55	1.6095	0.40	1.11	102.3100

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	14:09:36	83.18%	84.36%	87.58%	0.0000
2	14:09:52	84.39%	85.63%	89.64%	0.0000
3	14:10:09	85.14%	86.93%	90.85%	0.0000
4	14:10:25	86.23%	88.36%	92.56%	0.0000
5	14:10:42	86.39%	89.00%	93.41%	0.0000
x		85.07%	86.86%	90.81%	0.0000
%RSD		1.57	2.20	2.56	0.0000

CCB7 07/07/2008 14:13:36

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	14:13:52	94.36%	-4.8983	84.35%	80.94%	-71.8380
2	14:14:08	96.38%	-8.5942	85.90%	82.83%	-50.4440
3	14:14:24	96.22%	-2.6004	85.86%	83.91%	-25.1330
4	14:14:40	97.15%	0.1751	87.35%	85.06%	-46.0990
5	14:14:56	96.86%	4.5441	88.29%	85.95%	-14.3510
x		96.20%	-2.2748	86.35%	83.73%	-41.5730
%RSD		1.13	219.1700	1.76	2.34	54.1420

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	14:13:52	81.19%	82.26%	85.47%	0.0000
2	14:14:08	83.05%	84.18%	87.75%	0.0000
3	14:14:24	84.83%	86.51%	90.46%	0.0000
4	14:14:40	86.45%	88.45%	92.05%	0.0000
5	14:14:56	87.68%	89.84%	94.22%	0.0000
x		84.64%	86.25%	89.99%	0.0000
%RSD		3.07	3.57	3.84	0.0000

MH2685 07/07/2008 14:17:50

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	14:18:06	95.60%	TM 249850.0000	83.54%	79.40%	-961.0500
2	14:18:23	95.96%	TM 249890.0000	84.29%	80.73%	-1045.0000
3	14:18:39	96.13%	TM 251050.0000	85.07%	82.13%	-984.9300
4	14:18:55	95.85%	TM 252940.0000	85.90%	83.20%	-855.7100
5	14:19:11	96.52%	TM 255160.0000	86.23%	83.84%	-994.7600
x		96.01%	TM 251780.0000	85.01%	81.86%	-968.2900
%RSD		0.35	TM 0.9004	1.31	2.21	7.2274

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	14:18:06	79.31%	85.49%	81.68%	0.0000
2	14:18:23	81.41%	87.81%	83.88%	0.0000
3	14:18:39	82.53%	89.46%	86.17%	0.0000
4	14:18:55	83.99%	91.75%	88.20%	0.0000
5	14:19:11	84.69%	92.67%	89.73%	0.0000
x		82.39%	89.43%	85.93%	0.0000
%RSD		2.60	3.26	3.77	0.0000

MH2685-2x 07/07/2008 14:22:04

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	14:22:20	99.25%	TM 124770.0000	84.88%	81.03%	-983.6400
2	14:22:36	98.23%	TM 125830.0000	84.89%	81.66%	-1009.4000
3	14:22:52	98.96%	TM 125210.0000	85.60%	82.34%	-1048.9000
4	14:23:09	99.93%	TM 125150.0000	86.21%	83.09%	-934.9500
5	14:23:25	98.90%	TM 126750.0000	85.87%	83.30%	-905.4700
x		99.05%	TM 125540.0000	85.49%	82.28%	-976.4700
%RSD		0.62	TM 0.6170	0.69	1.16	5.8709

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	14:22:20	82.23%	86.59%	85.82%	0.0000
2	14:22:36	83.50%	87.99%	87.33%	0.0000
3	14:22:52	84.24%	89.22%	89.06%	0.0000
4	14:23:09	84.71%	90.59%	90.00%	0.0000
5	14:23:25	85.20%	91.31%	90.90%	0.0000
x		83.98%	89.14%	88.62%	0.0000
%RSD		1.38	2.15	2.31	0.0000

MH2686 07/07/2008 14:26:15

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	14:26:32	95.67%	TM 250060.0000	81.94%	77.40%	-1084.5000
2	14:26:48	96.37%	TM 250020.0000	82.70%	78.31%	-1027.5000
3	14:27:04	96.33%	TM 249840.0000	83.57%	79.05%	-1059.1000
4	14:27:21	96.03%	TM 252050.0000	84.41%	79.81%	-1063.2000
5	14:27:37	96.45%	TM 250630.0000	84.76%	80.55%	-1056.9000
x		96.17%	TM 250520.0000	83.48%	79.02%	-1058.3000
%RSD		0.34	TM 0.3619	1.40	1.56	1.9257

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	14:26:32	76.89%	81.85%	77.50%	0.0000
2	14:26:48	77.23%	82.91%	79.54%	0.0000
3	14:27:04	79.18%	84.76%	81.18%	0.0000
4	14:27:21	79.79%	85.92%	82.81%	0.0000
5	14:27:37	81.34%	87.11%	84.40%	0.0000
x		78.88%	84.51%	81.08%	0.0000
%RSD		2.34	2.54	3.33	0.0000

MH2686-2x 07/07/2008 14:30:29

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	14:30:45	97.36%	TM 125060.0000	84.26%	80.21%	-1109.4000
2	14:31:01	97.15%	TM 125160.0000	84.28%	80.63%	-1001.2000
3	14:31:20	98.75%	TM 125430.0000	85.58%	82.07%	-972.7900
4	14:31:39	99.85%	TM 127090.0000	86.06%	83.25%	-880.3400
5	14:31:55	99.73%	TM 127020.0000	86.55%	83.96%	-889.6400
x		98.57%	TM 125950.0000	85.35%	82.02%	-970.6900
%RSD		1.30	TM 0.8063	1.22	1.97	9.6257

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	14:30:45	80.24%	84.41%	83.80%	0.0000
2	14:31:01	81.45%	86.53%	85.70%	0.0000
3	14:31:20	83.37%	88.19%	88.17%	0.0000
4	14:31:39	84.57%	90.34%	89.88%	0.0000
5	14:31:55	86.06%	91.75%	91.85%	0.0000
x		83.14%	88.24%	87.88%	0.0000
%RSD		2.82	3.32	3.66	0.0000

MH2688 07/07/2008 14:34:46

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	14:35:02	100.05%	TM 116190.0000	87.22%	83.15%	-1029.0000
2	14:35:19	100.28%	TM 116270.0000	88.05%	84.51%	-1025.6000
3	14:35:35	101.94%	TM 118000.0000	88.78%	85.44%	-965.9200
4	14:35:52	100.69%	TM 117650.0000	89.14%	85.60%	-1003.5000
5	14:36:08	100.71%	TM 118250.0000	89.14%	86.31%	-943.1200
x		100.73%	TM 117270.0000	88.47%	85.00%	-993.4200
%RSD		0.72	TM 0.8312	0.93	1.43	3.7950

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	14:35:02	83.75%	88.76%	85.98%	112.0500
2	14:35:19	84.52%	90.50%	88.42%	0.0000
3	14:35:35	86.57%	92.68%	90.68%	0.0000
4	14:35:52	86.67%	93.98%	91.63%	0.0000
5	14:36:08	87.58%	95.02%	92.31%	0.0000
x		85.82%	92.19%	89.80%	22.4100
%RSD		1.88	2.77	2.89	223.6100

MH2690 07/07/2008 14:39:00

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	14:39:17	101.14%	TM 96822.0000	85.86%	80.93%	-1078.2000
2	14:39:33	101.69%	TM 96632.0000	86.84%	81.90%	-1046.6000
3	14:39:49	100.96%	TM 97146.0000	86.99%	83.10%	-1035.0000
4	14:40:06	101.12%	TM 97501.0000	86.99%	83.40%	-934.0800
5	14:40:22	102.12%	TM 98175.0000	87.80%	84.32%	-987.2100
x		101.41%	TM 97255.0000	86.90%	82.73%	-1016.2000
%RSD		0.48	TM 0.6284	0.80	1.60	5.5472

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	14:39:17	80.68%	84.26%	81.63%	118.0200
2	14:39:33	81.78%	86.45%	83.60%	0.0000
3	14:39:49	83.11%	88.04%	85.10%	0.0000
4	14:40:06	83.83%	88.71%	86.74%	0.0000
5	14:40:22	84.64%	90.17%	87.60%	0.0000
x		82.81%	87.53%	84.94%	23.6050
%RSD		1.92	2.59	2.83	223.6100

MH2692 07/07/2008 14:43:14

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	14:43:30	100.03%	TM 110650.0000	84.42%	79.28%	-1107.1000
2	14:43:46	97.80%	TM 110920.0000	84.32%	79.87%	-1011.2000
3	14:44:03	99.93%	TM 111360.0000	85.71%	81.40%	-1076.7000
4	14:44:19	99.54%	TM 111870.0000	86.08%	82.36%	-983.3200
5	14:44:35	100.57%	TM 111620.0000	86.89%	82.76%	-1001.5000
x		99.57%	TM 111280.0000	85.48%	81.14%	-1036.0000
%RSD		1.06	TM 0.4503	1.29	1.88	5.1278

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	14:43:30	78.18%	81.70%	78.29%	0.0000
2	14:43:46	79.36%	83.53%	80.75%	0.0000
3	14:44:03	80.97%	85.75%	82.26%	0.0000
4	14:44:19	82.13%	87.07%	84.43%	0.0000
5	14:44:35	83.95%	88.54%	85.52%	0.0000
x		80.92%	85.32%	82.25%	0.0000
%RSD		2.81	3.20	3.52	0.0000

MH2694 07/07/2008 14:47:28

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	14:47:44	100.17%	TM 91451.0000	86.73%	82.65%	-943.3300
2	14:48:01	101.71%	TM 91549.0000	87.54%	83.68%	-1007.7000
3	14:48:17	100.64%	TM 92164.0000	87.80%	84.64%	-921.8100
4	14:48:34	103.31%	TM 91818.0000	89.74%	85.97%	-1006.3000
5	14:48:50	102.69%	TM 91669.0000	89.95%	86.52%	-1053.3000
x		101.70%	TM 91730.0000	88.35%	84.69%	-986.4900
%RSD		1.30	TM 0.3037	1.61	1.88	5.4013

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	14:47:44	82.75%	87.38%	84.42%	0.0000
2	14:48:01	83.82%	89.20%	86.90%	0.0000
3	14:48:17	85.08%	91.54%	89.71%	0.0000
4	14:48:34	86.85%	93.01%	90.96%	0.0000
5	14:48:50	87.46%	93.60%	92.44%	0.0000
x		85.19%	90.95%	88.88%	0.0000
%RSD		2.33	2.88	3.63	0.0000

MH2696 07/07/2008 14:51:43

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	14:51:59	93.00%	TM 396550.0000	82.85%	78.16%	-1183.2000
2	14:52:15	93.24%	TM 392840.0000	83.65%	79.53%	-1149.8000
3	14:52:32	92.89%	TM 399340.0000	84.33%	80.46%	-1143.3000
4	14:52:48	92.48%	TM 399570.0000	84.62%	81.48%	-978.0500
5	14:53:04	92.67%	TM 400700.0000	85.24%	81.76%	-1190.4000
x		92.86%	TM 397800.0000	84.14%	80.28%	-1129.0000
%RSD		0.32	TM 0.7961	1.09	1.84	7.6876

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	14:51:59	77.19%	83.35%	76.36%	0.0000
2	14:52:15	78.41%	85.29%	77.97%	0.0000
3	14:52:32	79.58%	86.56%	79.13%	0.0000
4	14:52:48	80.56%	87.53%	80.39%	0.0000
5	14:53:04	81.10%	88.72%	81.35%	0.0000
x		79.37%	86.29%	79.04%	0.0000
%RSD		2.01	2.40	2.49	0.0000

ZZZZZZ 07/07/2008 14:55:57

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	14:56:13	104.09%	33.2890	91.78%	86.90%	-1101.7000
2	14:56:30	104.39%	34.1410	92.91%	88.42%	-1159.3000
3	14:56:46	104.07%	40.7510	93.51%	89.12%	-1140.6000
4	14:57:02	103.91%	46.4880	93.85%	90.00%	-1094.3000
5	14:57:19	103.97%	68.5970	94.49%	91.12%	-1082.7000
x		104.09%	44.6530	93.31%	89.11%	-1115.7000
%RSD		0.18	32.2900	1.10	1.79	2.9284

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	14:56:13	87.01%	87.04%	88.39%	0.0000
2	14:56:30	88.23%	88.29%	90.30%	0.0000
3	14:56:46	89.55%	89.53%	91.68%	0.0000
4	14:57:02	90.45%	91.27%	92.71%	0.0000
5	14:57:19	91.30%	92.19%	94.63%	0.0000
x		89.31%	89.66%	91.54%	0.0000
%RSD		1.92	2.35	2.59	0.0000

CCV8 07/07/2008 15:00:13

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:00:29	98.61%	1047.9000	87.91%	84.53%	-891.4300
2	15:00:45	99.15%	1018.2000	88.24%	84.81%	-1066.3000
3	15:01:01	98.40%	1036.1000	88.47%	85.56%	-1248.4000
4	15:01:17	98.71%	1032.8000	89.16%	87.10%	-1160.9000
5	15:01:34	99.14%	1032.4000	89.19%	87.03%	-1348.8000
x		98.80%	1033.5000	88.60%	85.81%	-1143.2000
%RSD		0.34	1.0260	0.64	1.41	15.3370

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	15:00:29	84.79%	85.67%	88.15%	109.3000
2	15:00:45	86.10%	87.54%	90.56%	0.0000
3	15:01:01	87.20%	89.25%	92.95%	103.6500
4	15:01:17	88.19%	91.48%	94.33%	102.1300
5	15:01:34	88.72%	91.26%	95.54%	0.0000
x		87.00%	89.04%	92.31%	63.0170
%RSD		1.83	2.78	3.22	91.3850

CCB8 07/07/2008 15:04:29

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:04:45	100.11%	25.7990	89.90%	86.97%	-1087.0000
2	15:05:02	100.09%	25.9890	90.76%	88.66%	-1103.1000
3	15:05:18	100.41%	26.9460	91.51%	89.69%	-1108.7000
4	15:05:34	100.82%	26.5990	92.36%	90.75%	-997.3600
5	15:05:50	101.54%	24.5580	92.88%	91.47%	-1006.8000
x		100.59%	25.9780	91.48%	89.51%	-1060.6000
%RSD		0.60	3.5330	1.31	1.98	5.1027

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	15:04:45	87.92%	89.34%	92.90%	0.0000
2	15:05:02	89.60%	91.62%	95.22%	0.0000
3	15:05:18	91.22%	93.78%	97.42%	0.0000
4	15:05:34	92.32%	94.78%	98.99%	97.3290
5	15:05:50	93.22%	96.23%	100.35%	0.0000
x		90.86%	93.15%	96.98%	19.4660
%RSD		2.34	2.91	3.07	223.6100

MH2696-2X 07/07/2008 15:08:45

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:09:01	94.18%	TM 197030.0000	82.75%	77.88%	-1177.0000
2	15:09:17	94.74%	TM 198010.0000	83.14%	78.89%	-1002.9000
3	15:09:34	94.58%	TM 199860.0000	83.36%	80.61%	-956.0500
4	15:09:50	96.04%	TM 199030.0000	84.79%	80.76%	-967.3800
5	15:10:06	95.59%	TM 199790.0000	85.21%	82.37%	-1198.4000
x		95.03%	TM 198740.0000	83.85%	80.10%	-1060.4000
%RSD		0.80	TM 0.6102	1.29	2.18	11.1070

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	15:09:01	76.86%	81.44%	77.25%	0.0000
2	15:09:17	78.76%	82.83%	79.91%	0.0000
3	15:09:34	79.88%	84.86%	81.67%	0.0000
4	15:09:50	81.17%	86.20%	82.48%	116.8100
5	15:10:06	81.82%	87.82%	83.94%	0.0000
x		79.70%	84.63%	81.05%	23.3610
%RSD		2.48	3.02	3.18	223.6100

CRIF2 07/07/2008 15:12:59

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:13:18	101.01%	31.6100	89.00%	84.36%	-1227.4000
2	15:13:34	101.43%	33.7570	90.54%	86.25%	-1149.3000
3	15:13:50	103.07%	28.9380	91.52%	87.44%	-1024.3000
4	15:14:07	103.28%	33.9760	91.92%	88.37%	-997.4100
5	15:14:23	103.54%	43.7540	92.64%	89.39%	-1034.4000
x		102.47%	34.4070	91.12%	87.16%	-1086.6000
%RSD		1.13	16.2940	1.55	2.23	9.0071

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	15:13:18	84.29%	84.35%	86.03%	0.0000
2	15:13:34	86.19%	86.21%	88.65%	0.0000
3	15:13:50	87.59%	87.99%	90.89%	0.0000
4	15:14:07	89.34%	89.95%	92.71%	0.0000
5	15:14:23	90.47%	91.37%	94.62%	0.0000
x		87.58%	87.98%	90.58%	0.0000
%RSD		2.81	3.20	3.72	0.0000

CCV9 07/07/2008 15:17:15

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:17:32	98.16%	1045.3000	86.95%	83.94%	-1343.8000
2	15:17:49	96.83%	1044.9000	86.34%	84.46%	-1391.6000
3	15:18:05	98.66%	1031.7000	87.98%	85.56%	-1400.4000
4	15:18:22	98.36%	1040.9000	87.65%	86.21%	-851.0900
5	15:18:38	98.02%	1075.3000	87.94%	86.68%	-1157.7000
x		98.01%	1047.6000	87.37%	85.37%	-1228.9000
%RSD		0.72	1.5680	0.81	1.35	18.9490

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	15:17:32	85.30%	86.45%	89.71%	0.0000
2	15:17:49	86.19%	88.41%	92.06%	104.6600
3	15:18:05	87.85%	90.31%	93.96%	307.6200
4	15:18:22	88.26%	91.34%	95.59%	302.3800
5	15:18:38	89.14%	92.44%	97.09%	0.0000
x		87.35%	89.79%	93.68%	142.9300
%RSD		1.79	2.66	3.10	107.7500

CCB9 07/07/2008 15:21:29

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:21:45	96.76%	28.1830	86.42%	83.45%	-1152.9000
2	15:22:01	97.82%	23.9850	87.39%	84.86%	-1162.0000
3	15:22:18	98.39%	27.1980	87.77%	85.44%	-1031.7000
4	15:22:34	98.81%	26.9300	89.02%	86.41%	-1122.9000
5	15:22:51	99.08%	24.7570	88.98%	86.79%	-1022.6000
x		98.17%	26.2100	87.91%	85.39%	-1098.4000
%RSD		0.94	6.7308	1.26	1.56	6.0758

Run	Time	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L
1	15:21:45	84.13%	85.23%	88.41%	0.0000
2	15:22:01	85.43%	87.18%	90.44%	0.0000
3	15:22:18	86.40%	87.87%	91.84%	104.9100
4	15:22:34	87.34%	89.20%	92.59%	0.0000
5	15:22:51	88.37%	89.61%	93.83%	0.0000
x		86.33%	87.82%	91.42%	20.9820
%RSD		1.91	1.99	2.28	223.6100

Mass Uncorrected ICPS

S0 07/07/2008 11:50:15

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	11:50:31	242611.7900	912.5500	704208.3200	1215964.4000	17.5000
2	11:50:47	243481.6200	832.5416	705884.0900	1232053.0000	5.0000
3	11:51:04	243013.2400	835.0418	712105.1700	1240776.3000	2.5000
4	11:51:20	242984.0700	917.5505	716358.8300	1252686.4000	2.5000
5	11:51:36	244977.0000	872.5457	721565.5600	1261374.9000	17.5000
x		243413.5400	874.0459	712024.3900	1240571.0000	9.0000
%RSD		0.381	4.655	1.014	1.429	86.958

Run	Time	115In	159Tb	209Bi	220Bkg
1	11:50:31	1357009.8000	2010572.1000	1370170.1000	0.0000
2	11:50:47	1372504.0000	2050744.1000	1395887.8000	0.0000
3	11:51:04	1396143.2000	2083992.3000	1420601.1000	0.0000
4	11:51:20	1410916.5000	2118486.2000	1440817.5000	0.0000
5	11:51:36	1415962.0000	2139232.1000	1451377.6000	0.0000
x		1390507.1000	2080605.4000	1415770.8000	0.0000
%RSD		1.813	2.483	2.341	0.000

S50 07/07/2008 11:54:26

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	11:54:42	236115.8100	2057.7540	679179.6500	1161810.5000	2115.2684
2	11:54:58	239995.1400	2132.7729	682976.9600	1191310.1000	2217.7951
3	11:55:14	241120.2600	2037.7491	693178.6200	1212298.4000	2105.2659
4	11:55:30	239908.5300	2137.7742	696014.7700	1216730.0000	2177.7845
5	11:55:46	240526.8100	2182.7858	696634.7500	1237691.6000	2202.7911
x		239533.3100	2109.7672	689596.9500	1203968.1000	2163.7810
%RSD		0.823	2.857	1.160	2.388	2.358

Run	Time	115In	159Tb	209Bi	220Bkg
1	11:54:42	1311634.9000	1948799.1000	1338345.4000	0.0000
2	11:54:58	1337754.6000	2008641.4000	1383085.7000	0.0000
3	11:55:14	1373253.8000	2069359.4000	1415336.7000	0.0000
4	11:55:30	1386534.6000	2096740.4000	1445498.9000	0.0000
5	11:55:46	1401259.8000	2126817.2000	1470777.6000	0.0000
x		1362087.5000	2050071.5000	1410608.9000	0.0000
%RSD		2.696	3.485	3.690	0.000

S200 07/07/2008 11:58:36

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	11:58:52	233675.1100	5421.7632	640398.6300	1097909.4000	7763.6147
2	11:59:08	234646.8500	5594.3772	647275.6700	1112605.5000	8174.0069
3	11:59:25	233951.0300	5499.3139	646736.1000	1124912.6000	8304.1355
4	11:59:41	236197.2400	5619.3940	653543.9400	1138580.6000	8491.8245
5	11:59:57	232265.6900	5511.8222	657478.6000	1139593.5000	8471.8041
x		234147.1800	5529.3341	649086.5900	1122720.3000	8241.0771
%RSD		0.613	1.433	1.018	1.580	3.602

Run	Time	115In	159Tb	209Bi	220Bkg
1	11:58:52	1235891.5000	1844155.5000	1272901.1000	0.0000
2	11:59:08	1255536.3000	1881523.8000	1302397.8000	0.0000
3	11:59:25	1269043.9000	1906355.4000	1327265.3000	0.0000
4	11:59:41	1291193.5000	1954449.0000	1354348.2000	0.0000
5	11:59:57	1295914.0000	1970587.7000	1372357.6000	0.0000
x		1269515.8000	1911414.3000	1325854.0000	0.0000
%RSD		1.967	2.718	3.001	0.000

S500 07/07/2008 12:02:48

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	12:03:04	228264.8900	12076.2440	612943.6300	1029782.0000	19232.1670
2	12:03:20	228614.2700	11883.4670	613247.3000	1050587.1000	19673.1950
3	12:03:36	229081.8500	12046.2000	621227.0600	1069382.7000	20126.7760
4	12:03:53	229005.6300	12349.1430	626485.9600	1079481.3000	20154.3420
5	12:04:09	227114.0800	12439.2770	628220.7900	1090664.1000	20357.3350
x		228416.1400	12158.8660	620424.9500	1063979.4000	19908.7630
%RSD		0.349	1.885	1.156	2.269	2.277

Run	Time	115In	159Tb	209Bi	220Bkg
1	12:03:04	1159951.3000	1727785.4000	1201782.3000	0.0000
2	12:03:20	1187120.6000	1774140.2000	1238731.7000	5.0000
3	12:03:36	1204677.8000	1819785.0000	1267059.4000	2.5000
4	12:03:53	1214338.4000	1842434.8000	1297551.9000	0.0000
5	12:04:09	1236710.7000	1878486.8000	1312984.7000	7.5000
x		1200559.8000	1808526.5000	1263622.0000	3.0000
%RSD		2.408	3.256	3.549	108.653

S1000 07/07/2008 12:07:00

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	12:07:16	223802.0900	22372.4910	601806.7300	1032795.5000	38260.1290
2	12:07:33	224053.7200	22635.7010	601638.9900	1040653.9000	38302.8250
3	12:07:49	224733.3200	22390.0380	600118.7800	1057963.7000	39204.5030
4	12:08:05	225292.2800	22888.8910	607114.2400	1064271.2000	39031.1920
5	12:08:21	224750.4400	23117.0190	606532.8600	1071019.2000	39842.5180
x		224526.3700	22680.8280	603442.3200	1053340.7000	38928.2340
%RSD		0.266	1.421	0.524	1.528	1.704

Run	Time	115In	159Tb	209Bi	220Bkg
1	12:07:16	1172275.4000	1776873.7000	1245961.2000	0.0000
2	12:07:33	1191999.0000	1808878.8000	1285118.0000	0.0000
3	12:07:49	1209163.1000	1861663.6000	1311153.4000	5.0000
4	12:08:05	1222333.0000	1881802.5000	1342450.0000	2.5000
5	12:08:21	1232217.3000	1910743.3000	1353807.5000	0.0000
x		1205597.6000	1847992.4000	1307698.0000	1.5000
%RSD		1.988	2.946	3.348	149.071

S1500 07/07/2008 12:11:12

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	12:11:28	235596.4200	34832.6470	632242.2500	1084692.4000	17.5000
2	12:11:44	237812.2100	35402.5410	643057.1000	1105021.3000	2.5000
3	12:12:00	235741.2600	36424.4310	649428.9100	1120703.0000	15.0000
4	12:12:16	240049.1600	36454.5620	651131.9100	1128651.1000	22.5000
5	12:12:32	239487.5100	37273.1710	654337.7500	1140309.8000	15.0000
x		237737.3100	36077.4700	646039.5800	1115875.5000	14.5000
%RSD		0.867	2.665	1.353	1.940	50.855

Run	Time	115In	159Tb	209Bi	220Bkg
1	12:11:28	1221837.6000	1841950.8000	1290002.1000	0.0000
2	12:11:44	1251224.2000	1884831.3000	1320303.4000	0.0000
3	12:12:00	1271244.5000	1923642.5000	1345585.5000	0.0000
4	12:12:16	1276366.0000	1932897.4000	1357964.4000	0.0000
5	12:12:32	1291927.8000	1965815.4000	1376665.2000	0.0000
x		1262520.0000	1909827.4000	1338104.1000	0.0000
%RSD		2.138	2.496	2.525	0.000

S2000 07/07/2008 12:15:23

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	12:15:39	238491.2100	46703.0050	640187.0100	1069133.5000	12.5000
2	12:15:56	240807.2300	46660.2660	645979.4000	1095759.6000	20.0000
3	12:16:12	240039.7300	47990.2870	651906.6000	1111197.4000	15.0000
4	12:16:28	241377.5500	48299.5660	655583.9600	1121195.6000	17.5000
5	12:16:44	240561.1100	48236.7040	662690.6500	1126875.7000	20.0000
x		240255.3600	47577.9660	651269.5300	1104832.4000	17.0000
%RSD		0.457	1.737	1.330	2.099	19.174

Run	Time	115In	159Tb	209Bi	220Bkg
1	12:15:39	1198517.1000	1781733.6000	1233363.5000	0.0000
2	12:15:56	1221653.3000	1826621.9000	1265880.0000	0.0000
3	12:16:12	1243951.5000	1858938.9000	1290234.3000	0.0000
4	12:16:28	1259951.8000	1889150.1000	1311458.9000	0.0000
5	12:16:44	1272962.0000	1911178.1000	1327529.0000	0.0000
x		1239407.1000	1853524.5000	1285693.1000	0.0000
%RSD		2.406	2.764	2.901	0.000

ICV2 07/07/2008 12:19:36

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	12:19:52	234030.7200	46079.5480	626222.2000	1057997.6000	3608.2810
2	12:20:08	234556.0100	47824.3370	631309.0900	1075542.5000	4008.4638
3	12:20:25	235593.8500	47582.9620	637338.0700	1089753.2000	3918.4210
4	12:20:41	236946.4000	47248.5670	638951.1000	1108282.3000	4075.9966
5	12:20:57	238436.3300	48520.8460	643542.5100	1115744.0000	4148.5324
x		235912.6600	47451.2520	635472.5900	1089463.9000	3951.9390
%RSD		0.762	1.892	1.066	2.167	5.315

Run	Time	115In	159Tb	209Bi	220Bkg
1	12:19:52	1183022.0000	1774510.6000	1234703.1000	2.5000
2	12:20:08	1203258.0000	1819935.8000	1271807.8000	2.5000
3	12:20:25	1226216.3000	1865418.4000	1303910.5000	0.0000
4	12:20:41	1253825.1000	1910879.9000	1336490.0000	2.5000
5	12:20:57	1262109.7000	1937017.5000	1355989.5000	0.0000
x		1225686.2000	1861552.4000	1300580.2000	1.5000
%RSD		2.719	3.548	3.755	91.287

ICB2 07/07/2008 12:23:50

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	12:24:06	240439.3400	755.0342	665695.2900	1130458.2000	10.0000
2	12:24:22	243820.4800	710.0303	674415.0400	1158764.4000	2.5000
3	12:24:38	246290.7100	747.5335	684425.0900	1180676.7000	10.0000
4	12:24:55	246194.6000	720.0311	691739.8800	1190210.9000	12.5000
5	12:25:11	247266.4800	720.0311	700050.1900	1211259.9000	10.0000
x		244802.3200	730.5320	683265.1000	1174274.0000	9.0000
%RSD		1.123	2.677	1.993	2.633	42.127

Run	Time	115In	159Tb	209Bi	220Bkg
1	12:24:06	1273996.1000	1923462.1000	1330864.8000	0.0000
2	12:24:22	1303708.5000	1973235.9000	1371843.6000	0.0000
3	12:24:38	1328817.1000	2023742.4000	1405569.5000	0.0000
4	12:24:55	1345991.4000	2044648.0000	1423445.8000	0.0000
5	12:25:11	1356381.2000	2072443.5000	1454251.2000	0.0000
x		1321778.9000	2007506.4000	1397195.0000	0.0000
%RSD		2.521	2.957	3.406	0.000

CRII2 07/07/2008 12:28:03

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	12:28:19	243578.5500	830.0413	660728.6700	1109968.7000	40.0001
2	12:28:36	240342.4300	817.5401	668323.6800	1131872.3000	52.5002
3	12:28:52	241740.3400	837.5421	670779.7300	1146259.1000	35.0001
4	12:29:08	246744.6800	785.0370	680712.4600	1164108.0000	30.0001
5	12:29:24	245179.4900	815.0399	686601.1300	1171662.5000	37.5001
x		243517.1000	817.0401	673429.1400	1144774.1000	39.0001
%RSD		1.055	2.461	1.523	2.174	21.548

Run	Time	115In	159Tb	209Bi	220Bkg
1	12:28:19	1238135.9000	1852923.9000	1272124.9000	0.0000
2	12:28:36	1265150.7000	1894856.8000	1304083.4000	0.0000
3	12:28:52	1287142.7000	1923692.2000	1340174.9000	0.0000
4	12:29:08	1305469.9000	1959399.8000	1356922.1000	0.0000
5	12:29:24	1311224.7000	1992787.7000	1379655.8000	0.0000
x		1281424.8000	1924732.1000	1330592.2000	0.0000
%RSD		2.353	2.832	3.214	0.000

ICSA2 07/07/2008 12:32:17

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	12:32:33	209870.7100	TM 2110730.8000	529133.2500	867798.2000	1715.1765
2	12:32:50	210182.5900	TM 2148926.9000	536324.3200	882478.9700	1692.6719
3	12:33:06	212807.1200	TM 2193866.4000	544367.8100	903286.2100	1610.1555
4	12:33:22	214300.5000	TM 2232137.6000	550840.5700	917149.8900	1647.6629
5	12:33:39	213347.3400	TM 2279504.2000	555420.0500	929555.6400	1700.1734
x		212101.6500	TM 2193033.2000	543217.2000	900053.7800	1673.1680
%RSD		0.929	TM 3.036	1.962	2.790	2.587

Run	Time	115In	159Tb	209Bi	220Bkg
1	12:32:33	1036168.2000	1548539.3000	1050041.9000	0.0000
2	12:32:50	1062944.2000	1605038.7000	1085601.3000	0.0000
3	12:33:06	1092457.9000	1647581.8000	1119915.7000	0.0000
4	12:33:22	1111840.3000	1693393.3000	1151095.1000	0.0000
5	12:33:39	1130572.3000	1719576.1000	1170852.1000	0.0000
x		1086796.6000	1642825.9000	1115501.2000	0.0000
%RSD		3.476	4.172	4.375	0.000

ICSAB2 07/07/2008 12:36:32

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	12:36:48	209781.0000	TM 2217799.9000	550260.3000	920272.6500	2320.3230
2	12:37:04	212362.6600	TM 2254344.6000	559645.4100	940664.6300	2360.3342
3	12:37:21	216340.5400	TM 2290588.9000	569492.6100	954710.3500	2315.3216
4	12:37:37	215506.0000	TM 2324381.2000	571272.1900	961179.4600	2342.8293
5	12:37:53	214689.4900	TM 2355158.2000	572485.0800	974521.2700	2320.3230
x		213735.9400	TM 2288454.6000	564631.1200	950269.6700	2331.8262
%RSD		1.246	TM 2.383	1.682	2.182	0.822

Run	Time	115In	159Tb	209Bi	220Bkg
1	12:36:48	1108390.3000	1679654.3000	1138022.8000	0.0000
2	12:37:04	1137196.9000	1740181.6000	1179385.3000	0.0000
3	12:37:21	1151915.2000	1776824.8000	1201803.8000	0.0000
4	12:37:37	1170926.5000	1807078.7000	1230983.4000	0.0000
5	12:37:53	1189493.5000	1835983.8000	1248250.0000	0.0000
x		1151584.5000	1767944.6000	1199689.1000	0.0000
%RSD		2.706	3.441	3.623	0.000

CCV5 07/07/2008 12:40:45

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	12:41:01	238427.7600	23613.4080	639134.3800	1089120.5000	9850.8189
2	12:41:18	238312.8800	23949.3650	642163.2100	1104381.8000	10118.6390
3	12:41:34	241349.2500	24841.9720	650242.5800	1122129.7000	10361.4380
4	12:41:51	239999.4200	24576.1860	654123.0900	1122200.9000	10504.1160
5	12:42:07	239763.6100	25210.5770	653905.7300	1139322.4000	10121.1430
x		239570.5800	24438.3020	647913.8000	1115431.1000	10191.2310
%RSD		0.523	2.666	1.064	1.722	2.467

Run	Time	115In	159Tb	209Bi	220Bkg
1	12:41:01	1238251.3000	1898057.4000	1334817.2000	2.5000
2	12:41:18	1260252.6000	1937257.3000	1364977.4000	0.0000
3	12:41:34	1281359.9000	1980311.9000	1389562.2000	0.0000
4	12:41:51	1285805.4000	2009969.3000	1409200.5000	0.0000
5	12:42:07	1296947.8000	2014594.7000	1416655.1000	2.5000
x		1272523.4000	1968038.1000	1383042.5000	1.0000
%RSD		1.833	2.531	2.427	136.931

CCB5 07/07/2008 12:44:57

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	12:45:13	241624.5500	885.0470	648813.6400	1095089.5000	10.0000
2	12:45:29	242679.5600	935.0525	661119.1400	1112605.5000	10.0000
3	12:45:46	241736.0500	977.5573	668738.8400	1136629.2000	5.0000
4	12:46:02	242272.1200	1285.0991	672037.7800	1149383.8000	5.0000
5	12:46:18	244757.3500	1460.1279	680659.6400	1165793.5000	17.5000
x		242613.9300	1108.5768	666273.8100	1131900.3000	9.5000
%RSD		0.524	22.641	1.804	2.500	53.931

Run	Time	115In	159Tb	209Bi	220Bkg
1	12:45:13	1231418.7000	1849763.6000	1291164.5000	0.0000
2	12:45:29	1254518.8000	1900052.1000	1330873.6000	0.0000
3	12:45:46	1281470.0000	1947208.7000	1362920.5000	0.0000
4	12:46:02	1293655.0000	1976272.8000	1379778.9000	0.0000
5	12:46:18	1314768.4000	2024852.2000	1410587.1000	0.0000
x		1275166.2000	1939629.9000	1355064.9000	0.0000
%RSD		2.568	3.488	3.387	0.000

PBW 07/07/2008 12:49:09

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	12:49:25	253147.4900	1537.6418	676518.1900	1139059.9000	7.5000
2	12:49:41	257517.5400	1485.1323	685617.3700	1162068.0000	5.0000
3	12:49:57	255257.0700	1535.1414	691707.3400	1173913.8000	7.5000
4	12:50:14	254674.6500	1552.6446	694151.0300	1189748.9000	17.5000
5	12:50:30	258372.5700	1447.6257	704470.4000	1211182.3000	20.0000
x		255793.8600	1511.6372	690492.8600	1175194.6000	11.5000
%RSD		0.833	2.904	1.500	2.325	58.736

Run	Time	115In	159Tb	209Bi	220Bkg
1	12:49:25	1286498.7000	1957845.0000	1368514.5000	2.5000
2	12:49:41	1316156.5000	2016498.3000	1403885.4000	0.0000
3	12:49:57	1343284.8000	2067574.6000	1446837.9000	0.0000
4	12:50:14	1364125.9000	2116517.3000	1477349.8000	0.0000
5	12:50:30	1386590.3000	2149866.0000	1503091.9000	0.0000
x		1339331.3000	2061660.2000	1439935.9000	0.5000
%RSD		2.938	3.729	3.778	223.607

LCSW 07/07/2008 12:53:21

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	12:53:37	245166.6200	50306.3870	656330.6900	1117098.8000	4238.5777
2	12:53:54	247761.7000	51458.3890	659087.2700	1129945.1000	4080.9990
3	12:54:10	251356.1400	51636.9890	666644.3400	1149698.0000	4356.1383
4	12:54:26	251073.6500	51498.6360	665304.6200	1150943.7000	4221.0688
5	12:54:42	251851.6000	51946.4030	665911.5900	1156285.4000	4223.5700
x		249441.9400	51369.3610	662655.7000	1140794.2000	4224.0708
%RSD		1.156	1.215	0.701	1.455	2.311

Run	Time	115In	159Tb	209Bi	220Bkg
1	12:53:37	1274775.3000	1960830.0000	1370416.1000	0.0000
2	12:53:54	1287340.0000	2000267.5000	1409438.7000	0.0000
3	12:54:10	1312245.8000	2029349.8000	1423615.2000	0.0000
4	12:54:26	1319839.0000	2054818.8000	1449202.0000	0.0000
5	12:54:42	1329260.1000	2062335.7000	1461345.3000	0.0000
x		1304692.0000	2021520.3000	1422803.4000	0.0000
%RSD		1.750	2.065	2.511	0.000

MH2662 07/07/2008 12:57:34

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	12:57:50	239160.8200	TM 3618856.8000	611843.2700	1002316.4000	30.0001
2	12:58:06	248336.7800	TM 3716717.8000	619695.3300	1017822.8000	17.5000
3	12:58:23	244409.0100	TM 3735134.0000	619113.1100	1020874.5000	20.0000
4	12:58:39	245882.2500	TM 3729216.3000	619037.8100	1029263.4000	17.5000
5	12:58:55	243643.7500	TM 3712376.5000	616798.0300	1027403.5000	17.5000
x		244286.5200	TM 3702460.3000	617297.5100	1019536.1000	20.5000
%RSD		1.383	TM 1.286	0.525	1.049	26.438

Run	Time	115In	159Tb	209Bi	220Bkg
1	12:57:50	1107838.7000	1790856.9000	1153471.2000	2.5000
2	12:58:06	1133317.9000	1821227.7000	1180888.9000	2.5000
3	12:58:23	1153578.4000	1854958.3000	1206270.4000	0.0000
4	12:58:39	1150769.4000	1870934.3000	1222510.1000	0.0000
5	12:58:55	1148478.3000	1881325.6000	1237201.1000	0.0000
x		1138796.5000	1843860.6000	1200068.4000	1.0000
%RSD		1.668	2.026	2.783	136.931

MH2662L 07/07/2008 13:01:47

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	13:02:03	244966.7000	M 714047.5400	608001.8200	1002279.8000	10.0000
2	13:02:19	245384.5600	M 722349.2900	616561.4500	1025834.2000	2.5000
3	13:02:36	244375.5500	M 728526.3400	616534.5600	1032803.9000	5.0000
4	13:02:52	243987.7700	M 739881.8800	624822.7800	1046762.7000	12.5000
5	13:03:08	247917.0500	M 739876.4300	620334.0800	1050779.2000	5.0000
x		245326.3300	M 728936.2900	617250.9400	1031692.0000	7.0000
%RSD		0.630	M 1.541	1.003	1.872	58.685

Run	Time	115In	159Tb	209Bi	220Bkg
1	13:02:03	1135590.9000	1758196.2000	1218478.7000	0.0000
2	13:02:19	1161982.2000	1803016.0000	1251540.6000	0.0000
3	13:02:36	1175208.6000	1847144.2000	1286273.9000	0.0000
4	13:02:52	1193721.4000	1889571.5000	1318798.1000	0.0000
5	13:03:08	1201441.8000	1903586.5000	1331955.2000	0.0000
x		1173589.0000	1840302.9000	1281409.3000	0.0000
%RSD		2.239	3.284	3.666	0.000

MH2664 07/07/2008 13:06:00

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	13:06:17	230999.5500	TM 3309472.3000	589582.6200	977286.2000	205.0025
2	13:06:33	231732.8200	TM 3350283.2000	593374.3200	990290.4400	217.5028
3	13:06:49	233975.0200	TM 3398187.8000	599540.5600	999706.4900	232.5032
4	13:07:05	233503.7400	TM 3439974.5000	601583.9800	1009616.3000	190.0022
5	13:07:22	232137.1800	TM 3427688.7000	601255.2300	1010693.3000	230.0032
x		232469.6600	TM 3385121.3000	597067.3400	997518.5400	215.0028
%RSD		0.533	TM 1.613	0.893	1.406	8.263

Run	Time	115In	159Tb	209Bi	220Bkg
1	13:06:17	1094839.7000	1770471.3000	1162986.4000	2.5000
2	13:06:33	1116854.0000	1825929.3000	1187094.8000	0.0000
3	13:06:49	1130002.2000	1855168.3000	1215124.0000	0.0000
4	13:07:05	1141357.2000	1875033.1000	1235396.8000	0.0000
5	13:07:22	1154481.6000	1905827.6000	1256517.8000	0.0000
x		1127506.9000	1846485.9000	1211424.0000	0.5000
%RSD		2.035	2.790	3.078	223.607

MH2668 07/07/2008 13:10:14

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	13:10:30	231855.3300	TM 3299638.6000	582368.3900	948645.3200	275.0045
2	13:10:46	233141.3000	TM 3362606.5000	587729.6000	973230.1500	302.5055
3	13:11:02	233765.9400	TM 3386840.3000	591047.3700	978135.1800	337.5068
4	13:11:19	232008.6700	TM 3410348.5000	592044.5600	984495.3300	295.0052
5	13:11:35	233001.6400	TM 3442927.1000	596906.1600	998344.2800	355.0076
x		232754.5800	TM 3380472.2000	590019.2100	976570.0500	313.0059
%RSD		0.346	TM 1.599	0.914	1.867	10.405

Run	Time	115In	159Tb	209Bi	220Bkg
1	13:10:30	1064042.0000	1699411.4000	1109257.7000	0.0000
2	13:10:46	1079234.7000	1735624.0000	1136102.9000	0.0000
3	13:11:02	1096574.6000	1774691.2000	1165089.5000	0.0000
4	13:11:19	1109175.2000	1807505.6000	1183533.9000	0.0000
5	13:11:35	1119868.7000	1834689.8000	1196878.5000	2.5000
x		1093779.1000	1770384.4000	1158172.5000	0.5000
%RSD		2.055	3.065	3.074	223.607

MH2670 07/07/2008 13:14:27

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	13:14:44	233501.1700	TM 3307257.8000	581005.5200	942397.4900	222.5030
2	13:15:00	231936.7100	TM 3321770.6000	584297.9300	961014.4600	240.0035
3	13:15:16	237236.1300	TM 3412713.0000	590097.2000	979300.9100	327.5064
4	13:15:32	233400.9200	TM 3412500.4000	594224.3000	990910.5700	255.0039
5	13:15:49	235942.6800	TM 3483637.9000	600124.1500	997249.0400	232.5032
x		234403.5200	TM 3387575.9000	589949.8200	974174.4900	255.5040
%RSD		0.912	TM 2.152	1.296	2.308	16.423

Run	Time	115In	159Tb	209Bi	220Bkg
1	13:14:44	1051022.2000	1671218.6000	1083482.9000	0.0000
2	13:15:00	1070401.9000	1716506.8000	1121585.8000	0.0000
3	13:15:16	1093079.5000	1763443.6000	1153436.9000	0.0000
4	13:15:32	1105402.2000	1797954.6000	1180424.5000	0.0000
5	13:15:49	1118627.4000	1825954.0000	1195497.2000	0.0000
x		1087706.7000	1755015.5000	1146885.5000	0.0000
%RSD		2.494	3.541	3.946	0.000

MH2672 07/07/2008 13:18:41

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	13:18:57	229278.8300	TM 6337184.3000	590517.9900	971132.8300	657.5259
2	13:19:14	230289.4600	TM 6455325.7000	598963.7100	986646.3100	777.5363
3	13:19:30	228795.8200	TM 6503993.5000	600709.1200	1001827.5000	705.0298
4	13:19:46	230578.1100	TM 6593134.4000	603747.3400	1021068.7000	682.5280
5	13:20:02	229899.7500	TM 6725713.4000	609082.9000	1022014.9000	695.0290
x		229768.3900	TM 6523070.3000	600604.2100	1000538.0000	703.5298
%RSD		0.318	TM 2.241	1.136	2.202	6.400

Run	Time	115In	159Tb	209Bi	220Bkg
1	13:18:57	1081700.9000	1759174.0000	1115332.8000	0.0000
2	13:19:14	1106906.1000	1814262.7000	1152979.7000	0.0000
3	13:19:30	1121699.7000	1851985.6000	1184607.9000	0.0000
4	13:19:46	1144457.3000	1886553.6000	1206189.9000	0.0000
5	13:20:02	1151595.2000	1913470.8000	1222629.6000	0.0000
x		1121271.8000	1845089.3000	1176348.0000	0.0000
%RSD		2.534	3.294	3.649	0.000

MH2672-2x 07/07/2008 13:22:55

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	13:23:12	240729.1900	TM 3311424.0000	610478.4200	1018185.9000	330.0065
2	13:23:28	240149.4900	TM 3336908.9000	609481.7900	1033283.3000	437.5115
3	13:23:44	243141.9100	TM 3397537.2000	620420.1500	1037206.2000	417.5105
4	13:24:00	240077.4600	TM 3401215.4000	618622.3400	1042152.5000	362.5079
5	13:24:17	239201.1200	TM 3406382.5000	620617.8400	1048445.9000	435.0114
x		240659.8300	TM 3370693.6000	615924.1100	1035854.8000	396.5095
%RSD		0.620	TM 1.291	0.892	1.099	12.084

Run	Time	115In	159Tb	209Bi	220Bkg
1	13:23:12	1145876.4000	1834474.1000	1208191.1000	0.0000
2	13:23:28	1163776.1000	1876979.5000	1240568.5000	0.0000
3	13:23:44	1179232.0000	1892128.6000	1256480.3000	0.0000
4	13:24:00	1185502.8000	1922205.6000	1268732.7000	0.0000
5	13:24:17	1187155.1000	1941684.7000	1282416.7000	0.0000
x		1172308.5000	1893494.5000	1251277.8000	0.0000
%RSD		1.486	2.194	2.286	0.000

ZZZZZZ 07/07/2008 13:27:10

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	13:27:26	241251.4800	710.0303	626593.6200	1044927.4000	0.0000
2	13:27:42	242079.9900	862.5446	628236.9400	1059465.2000	12.5000
3	13:27:58	244868.0300	795.0379	637811.0300	1065728.5000	5.0000
4	13:28:14	245361.3900	950.0542	634576.2900	1070809.7000	12.5000
5	13:28:31	248370.2500	1115.0746	651357.2900	1091095.5000	0.0000
x		244386.2300	886.5483	635715.0300	1066405.2000	6.0000
%RSD		1.161	17.508	1.552	1.582	104.583

Run	Time	115In	159Tb	209Bi	220Bkg
1	13:27:26	1183369.0000	1792997.3000	1261103.0000	0.0000
2	13:27:42	1203749.4000	1833965.9000	1290852.5000	0.0000
3	13:27:58	1220576.3000	1862096.2000	1313175.3000	0.0000
4	13:28:14	1224444.4000	1882220.5000	1329096.9000	0.0000
5	13:28:31	1240683.9000	1897669.7000	1334624.7000	0.0000
x		1214564.6000	1853789.9000	1305770.5000	0.0000
%RSD		1.797	2.239	2.313	0.000

CCV6 07/07/2008 13:31:23

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	13:31:39	224860.0000	21886.2030	583672.5600	976241.2000	9160.0316
2	13:31:56	227055.0000	21605.4720	588639.3100	993310.1200	9052.4141
3	13:32:12	231872.4600	21918.7880	596621.8400	1001049.3000	9635.5674
4	13:32:28	226884.6200	22061.6640	593756.4000	1009782.2000	9460.3669
5	13:32:44	229911.7400	22129.3440	598967.7300	1024411.6000	9420.3215
x		228116.7600	21920.2940	592331.5700	1000958.9000	9345.7403
%RSD		1.212	0.924	1.044	1.799	2.528

Run	Time	115In	159Tb	209Bi	220Bkg
1	13:31:39	1106445.6000	1677779.4000	1191232.6000	2.5000
2	13:31:56	1130714.8000	1721995.2000	1227626.8000	0.0000
3	13:32:12	1150083.7000	1773121.1000	1259736.3000	0.0000
4	13:32:28	1161501.6000	1796472.7000	1290527.4000	0.0000
5	13:32:44	1175102.6000	1811309.1000	1297960.0000	0.0000
x		1144769.7000	1756135.5000	1253416.6000	0.5000
%RSD		2.350	3.153	3.553	223.607

CCB6 07/07/2008 13:35:35

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	13:35:51	229206.0300	710.0303	597712.2200	1012510.3000	5.0000
2	13:36:07	232094.3400	652.5256	606135.4400	1031199.8000	2.5000
3	13:36:23	230384.5300	712.5305	613267.4500	1042908.9000	7.5000
4	13:36:39	235276.7400	670.0269	620468.5600	1059776.3000	0.0000
5	13:36:55	235695.8400	772.5358	622962.1800	1064180.6000	5.0000
x		232531.5000	703.5298	612109.1700	1042115.2000	4.0000
%RSD		1.243	6.594	1.698	2.033	71.261

Run	Time	115In	159Tb	209Bi	220Bkg
1	13:35:51	1148252.6000	1755779.8000	1254247.1000	0.0000
2	13:36:07	1173716.1000	1805917.7000	1287689.6000	0.0000
3	13:36:23	1196055.7000	1843745.3000	1324436.2000	0.0000
4	13:36:39	1217446.7000	1872384.9000	1346086.3000	2.5000
5	13:36:55	1226847.3000	1901814.5000	1366398.2000	0.0000
x		1192463.7000	1835928.4000	1315771.5000	0.5000
%RSD		2.693	3.112	3.427	223.607

MH2673 07/07/2008 13:39:46

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	13:40:02	228084.2100	TM 2798385.4000	571561.0200	943131.4800	142.5012
2	13:40:19	227638.0900	TM 2824921.2000	576623.8200	949393.8000	175.0018
3	13:40:35	228419.8800	TM 2847628.7000	583545.3500	973392.5800	152.5014
4	13:40:51	231271.0900	TM 2862929.7000	583296.2800	975400.8000	180.0019
5	13:41:08	230460.7700	TM 2914800.3000	590404.0800	984924.3600	197.5023
x		229174.8100	TM 2849733.1000	581086.1100	965248.6000	169.5018
%RSD		0.696	TM 1.536	1.242	1.866	13.001

Run	Time	115In	159Tb	209Bi	220Bkg
1	13:40:02	1048262.3000	1667678.3000	1096064.9000	2.5000
2	13:40:19	1070033.9000	1708374.4000	1125191.8000	0.0000
3	13:40:35	1083994.7000	1739257.7000	1148354.0000	0.0000
4	13:40:51	1094584.1000	1775471.7000	1170691.7000	0.0000
5	13:41:08	1116873.9000	1791865.7000	1187972.7000	2.5000
x		1082749.8000	1736529.6000	1145655.0000	1.0000
%RSD		2.380	2.896	3.178	136.931

MH2675 07/07/2008 13:43:58

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	13:44:14	227743.4100	TM 4443794.6000	576665.3000	930138.0600	677.5275
2	13:44:31	227351.2500	TM 4555843.1000	583689.9700	948114.7300	740.0329
3	13:44:47	227755.3900	TM 4564062.8000	589080.1400	962191.9200	560.0188
4	13:45:04	233031.6300	TM 4677199.8000	600330.7600	983127.0400	817.5401
5	13:45:20	230769.9800	TM 4726268.0000	599148.8300	994985.9800	720.0311
x		229330.3300	TM 4593433.7000	589783.0000	963711.5500	703.0301
%RSD		1.083	TM 2.418	1.714	2.710	13.470

Run	Time	115In	159Tb	209Bi	220Bkg
1	13:44:14	1020288.8000	1630397.4000	1028627.9000	0.0000
2	13:44:31	1039931.5000	1679127.2000	1063363.0000	0.0000
3	13:44:47	1056748.0000	1715828.5000	1089306.3000	0.0000
4	13:45:04	1081757.6000	1771661.5000	1113002.4000	0.0000
5	13:45:20	1096642.8000	1786973.0000	1136392.4000	0.0000
x		1059073.7000	1716797.5000	1086138.4000	0.0000
%RSD		2.911	3.777	3.874	0.000

MH2677 07/07/2008 13:48:12

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	13:48:28	236474.9500	TM 3075554.1000	597244.1300	992440.0300	502.5152
2	13:48:44	234622.8600	TM 3094670.9000	598684.6900	1005281.1000	542.5177
3	13:49:00	233951.0300	TM 3139260.1000	600678.2600	1021727.6000	550.0181
4	13:49:16	234969.0800	TM 3182247.9000	607623.1400	1025084.9000	585.0205
5	13:49:33	235761.8300	TM 3206394.1000	608384.5500	1036698.4000	502.5152
x		235155.9500	TM 3139625.4000	602522.9600	1016246.4000	536.5173
%RSD		0.419	TM 1.773	0.856	1.714	6.512

Run	Time	115In	159Tb	209Bi	220Bkg
1	13:48:28	1114070.8000	1770153.2000	1168325.3000	0.0000
2	13:48:44	1133292.2000	1814551.6000	1197193.0000	0.0000
3	13:49:00	1148541.1000	1858917.3000	1226768.1000	0.0000
4	13:49:16	1165269.8000	1893784.0000	1251283.5000	0.0000
5	13:49:33	1174506.7000	1916205.4000	1268359.2000	0.0000
x		1147136.1000	1850722.3000	1222385.8000	0.0000
%RSD		2.120	3.198	3.304	0.000

MH2679 07/07/2008 13:52:25

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	13:52:41	237892.7900	TM 2679956.3000	603368.8400	1013312.1000	110.0007
2	13:52:57	235419.8700	TM 2710758.4000	609622.8100	1022538.7000	102.5006
3	13:53:13	243381.2500	TM 2786562.5000	625823.8800	1047412.2000	80.0004
4	13:53:30	240995.0500	TM 2778755.7000	620901.6000	1050242.4000	92.5005
5	13:53:46	240316.7100	TM 2791104.0000	624271.1500	1055337.4000	112.5008
x		239601.1300	TM 2749427.4000	616797.6600	1037768.6000	99.5006
%RSD		1.272	TM 1.845	1.593	1.795	13.460

Run	Time	115In	159Tb	209Bi	220Bkg
1	13:52:41	1129654.4000	1796506.4000	1187341.5000	0.0000
2	13:52:57	1153344.1000	1847122.6000	1221507.9000	0.0000
3	13:53:13	1178504.0000	1901677.9000	1254439.3000	0.0000
4	13:53:30	1190529.4000	1911737.3000	1270982.4000	0.0000
5	13:53:46	1185818.3000	1916854.9000	1273652.8000	0.0000
x		1167570.0000	1874779.8000	1241584.8000	0.0000
%RSD		2.192	2.765	2.960	0.000

MH2681 07/07/2008 13:56:38

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	13:56:54	234920.2300	TM 3612100.9000	606406.6500	989667.5500	150.0014
2	13:57:10	233954.4500	TM 3643791.2000	608594.0500	1003642.6000	145.0013
3	13:57:27	239539.8100	TM 3723799.1000	618517.4700	1017048.8000	167.5017
4	13:57:43	237273.8500	TM 3735809.6000	621933.1800	1027076.7000	147.5013
5	13:57:59	238841.0100	TM 3749246.4000	620670.2800	1032440.2000	147.5013
x		236905.8700	TM 3692949.4000	615224.3300	1013975.2000	151.5014
%RSD		1.023	TM 1.653	1.170	1.722	6.018

Run	Time	115In	159Tb	209Bi	220Bkg
1	13:56:54	1082534.4000	1723867.0000	1092771.5000	0.0000
2	13:57:10	1106198.2000	1755538.5000	1121930.4000	0.0000
3	13:57:27	1117696.5000	1792166.2000	1140723.6000	0.0000
4	13:57:43	1136617.8000	1820240.3000	1159329.2000	0.0000
5	13:57:59	1147247.2000	1837502.9000	1167845.8000	0.0000
x		1118058.8000	1785863.0000	1136520.1000	0.0000
%RSD		2.280	2.604	2.656	0.000

MH2683 07/07/2008 14:00:52

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	14:01:08	242278.1200	TM 2609769.6000	614818.2000	1007431.6000	62.5002
2	14:01:24	240150.3500	TM 2669284.4000	616597.7400	1025431.3000	115.0008
3	14:01:40	243228.5500	TM 2687563.0000	624919.6600	1037705.5000	115.0008
4	14:01:56	242500.2800	TM 2744925.9000	630459.4900	1048674.7000	122.5009
5	14:02:13	245743.2400	TM 2744700.7000	628965.1600	1063450.7000	112.5008
x		242780.1100	TM 2691248.7000	623152.0500	1036538.7000	105.5007
%RSD		0.830	TM 2.108	1.142	2.071	23.060

Run	Time	115In	159Tb	209Bi	220Bkg
1	14:01:08	1119766.2000	1754720.0000	1144935.6000	0.0000
2	14:01:24	1139876.0000	1803237.0000	1184570.6000	0.0000
3	14:01:40	1164477.1000	1850461.0000	1219404.4000	0.0000
4	14:01:56	1178389.4000	1891180.1000	1247247.8000	0.0000
5	14:02:13	1199617.3000	1922348.6000	1259930.1000	0.0000
x		1160425.2000	1844389.3000	1211217.7000	0.0000
%RSD		2.708	3.641	3.882	0.000

CRIF 07/07/2008 14:05:06

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	14:05:22	252688.0200	745.0333	660550.3300	1110975.5000	65.0003
2	14:05:38	249787.5200	740.0329	664778.7900	1127747.7000	67.5003
3	14:05:54	252543.7500	810.0394	669114.7900	1145990.7000	57.5002
4	14:06:11	250951.7200	1002.5603	675164.7500	1158598.6000	55.0002
5	14:06:27	255277.6800	960.0553	683502.5400	1159971.3000	40.0001
x		252249.7400	851.5442	670622.2400	1140656.8000	57.0002
%RSD		0.822	14.393	1.343	1.845	18.967

Run	Time	115In	159Tb	209Bi	220Bkg
1	14:05:22	1263003.6000	1931991.4000	1352900.1000	0.0000
2	14:05:38	1287032.5000	1976263.4000	1392931.4000	0.0000
3	14:05:54	1308453.0000	2015455.3000	1419511.8000	0.0000
4	14:06:11	1318450.3000	2033679.5000	1435252.3000	0.0000
5	14:06:27	1330910.0000	2052724.4000	1461544.9000	0.0000
x		1301569.9000	2002022.8000	1412428.1000	0.0000
%RSD		2.066	2.411	2.942	0.000

CCV7 07/07/2008 14:09:20

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	14:09:36	235346.1600	22179.4770	609519.3900	1022572.5000	9422.8244
2	14:09:52	235717.2700	22851.2880	612782.4000	1034117.9000	9262.6449
3	14:10:09	237057.8300	23056.8530	613274.1700	1040518.5000	9628.0588
4	14:10:25	234932.2200	22853.7950	614441.9100	1049863.9000	9598.0241
5	14:10:42	238078.8300	23385.2660	616233.4700	1049844.1000	9540.4581
x		236226.4600	22865.3360	613250.2700	1039383.4000	9490.4021
%RSD		0.553	1.928	0.403	1.108	1.576

Run	Time	115In	159Tb	209Bi	220Bkg
1	14:09:36	1156674.2000	1755153.7000	1239976.9000	0.0000
2	14:09:52	1173509.9000	1781540.6000	1269058.4000	0.0000
3	14:10:09	1183882.3000	1808762.0000	1286288.4000	0.0000
4	14:10:25	1198999.7000	1838341.1000	1310500.4000	0.0000
5	14:10:42	1201292.4000	1851741.8000	1322400.1000	0.0000
x		1182871.7000	1807107.8000	1285644.8000	0.0000
%RSD		1.567	2.200	2.559	0.000

CCB7 07/07/2008 14:13:36

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	14:13:52	229695.9100	632.5240	600596.4200	1004081.0000	7.5000
2	14:14:08	234567.1500	562.5190	611624.2900	1027544.4000	10.0000
3	14:14:24	234193.5300	695.0290	611327.3900	1040944.6000	12.5000
4	14:14:40	236444.9500	770.0356	621939.9000	1055193.2000	5.0000
5	14:14:56	235766.9800	877.5462	628635.3700	1066203.9000	7.5000
x		234133.7000	707.5308	614824.6700	1038793.4000	8.5000
%RSD		1.128	17.256	1.756	2.337	33.535

Run	Time	115In	159Tb	209Bi	220Bkg
1	14:13:52	1128970.3000	1711568.7000	1210037.5000	0.0000
2	14:14:08	1154838.9000	1751406.8000	1242399.9000	0.0000
3	14:14:24	1179621.8000	1799967.8000	1280716.3000	0.0000
4	14:14:40	1202157.3000	1840221.3000	1303181.0000	0.0000
5	14:14:56	1219225.8000	1869183.9000	1334002.1000	0.0000
x		1176962.8000	1794469.7000	1274067.3000	0.0000
%RSD		3.070	3.572	3.842	0.000

MH2685 07/07/2008 14:17:50

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	14:18:06	233832.7800	TM 5400635.9000	594854.4600	984997.2700	10.0000
2	14:18:23	234729.1200	TM 5449015.9000	600155.0100	1001554.9000	10.0000
3	14:18:39	235139.6200	TM 5524081.9000	605708.5200	1018909.4000	15.0000
4	14:18:55	234429.1900	TM 5618014.5000	611612.2000	1032135.8000	7.5000
5	14:19:11	236113.2400	TM 5689965.3000	614015.9200	1040064.2000	10.0000
x		234848.7900	TM 5536342.7000	605269.2200	1015532.3000	10.5000
%RSD		0.363	TM 2.146	1.310	2.211	26.082

Run	Time	115In	159Tb	209Bi	220Bkg
1	14:18:06	1102798.8000	1778683.2000	1156379.7000	0.0000
2	14:18:23	1131980.6000	1826951.2000	1187489.3000	0.0000
3	14:18:39	1147661.4000	1861197.1000	1219914.0000	0.0000
4	14:18:55	1167834.3000	1908935.7000	1248696.3000	0.0000
5	14:19:11	1177638.5000	1928060.3000	1270333.8000	0.0000
x		1145582.7000	1860765.5000	1216562.6000	0.0000
%RSD		2.598	3.261	3.767	0.000

MH2685-2x 07/07/2008 14:22:04

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	14:22:20	242170.0500	TM 2741485.4000	604344.6400	1005269.9000	2.5000
2	14:22:36	239700.1600	TM 2764267.9000	604407.7200	1013078.6000	15.0000
3	14:22:52	241479.6100	TM 2773776.3000	609467.0100	1021463.0000	0.0000
4	14:23:09	243825.6200	TM 2792142.4000	613799.5700	1030734.7000	12.5000
5	14:23:25	241302.0800	TM 2816576.4000	611440.2400	1033370.7000	10.0000
x		241695.5000	TM 2777649.7000	608691.8400	1020783.4000	8.0000
%RSD		0.619	TM 1.023	0.695	1.157	80.889

Run	Time	115In	159Tb	209Bi	220Bkg
1	14:22:20	1143418.1000	1801548.5000	1215040.5000	0.0000
2	14:22:36	1161003.9000	1830642.6000	1236376.1000	0.0000
3	14:22:52	1171358.9000	1856289.1000	1260945.3000	0.0000
4	14:23:09	1177922.2000	1884744.5000	1274135.1000	0.0000
5	14:23:25	1184722.6000	1899825.6000	1286878.7000	0.0000
x		1167685.1000	1854610.1000	1254675.2000	0.0000
%RSD		1.382	2.148	2.310	0.000

MH2686 07/07/2008 14:26:15

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	14:26:32	233988.7300	TM 5303850.8000	583450.2700	960169.9200	20.0000
2	14:26:48	235678.7000	TM 5351530.2000	588829.5700	971558.4100	12.5000
3	14:27:04	235620.4200	TM 5402912.9000	595054.2400	980606.9300	12.5000
4	14:27:21	234911.6600	TM 5503726.5000	601036.5100	990046.3300	5.0000
5	14:27:37	235898.1100	TM 5495669.4000	603536.6100	999313.2500	10.0000
x		235219.5200	TM 5411538.0000	594381.4400	980338.9700	12.0000
%RSD		0.332	TM 1.623	1.405	1.562	45.166

Run	Time	115In	159Tb	209Bi	220Bkg
1	14:26:32	1069130.7000	1703012.5000	1097202.2000	0.0000
2	14:26:48	1073823.0000	1724932.4000	1126113.5000	0.0000
3	14:27:04	1101000.1000	1763523.1000	1149309.5000	0.0000
4	14:27:21	1109431.2000	1787677.9000	1172341.2000	0.0000
5	14:27:37	1131054.1000	1812483.0000	1194866.9000	0.0000
x		1096887.8000	1758325.8000	1147966.7000	0.0000
%RSD		2.344	2.543	3.331	0.000

MH2686-2x 07/07/2008 14:30:29

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	14:30:45	237571.3200	TM 2727047.7000	599926.9300	995033.7100	5.0000
2	14:31:01	237050.9700	TM 2729950.2000	600112.0800	1000265.5000	7.5000
3	14:31:20	240980.4700	TM 2777542.1000	609313.9000	1018132.5000	7.5000
4	14:31:39	243646.3300	TM 2830788.9000	612797.1800	1032747.5000	7.5000
5	14:31:55	243337.5000	TM 2844838.8000	616252.2900	1041528.8000	5.0000
x		240517.3200	TM 2782033.5000	607680.4700	1017541.6000	6.5000
%RSD		1.292	TM 1.975	1.220	1.973	21.066

Run	Time	115In	159Tb	209Bi	220Bkg
1	14:30:45	1115698.5000	1756192.2000	1186361.9000	0.0000
2	14:31:01	1132625.0000	1800394.4000	1213257.9000	0.0000
3	14:31:20	1159219.1000	1834920.8000	1248339.6000	0.0000
4	14:31:39	1175936.4000	1879588.8000	1272453.6000	0.0000
5	14:31:55	1196739.2000	1908861.2000	1300407.4000	0.0000
x		1156043.6000	1835991.5000	1244164.1000	0.0000
%RSD		2.816	3.318	3.656	0.000

MH2688 07/07/2008 14:34:46

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	14:35:02	243934.5800	TM 2623381.5000	621018.6000	1031546.6000	100.0006
2	14:35:19	244481.9400	TM 2649754.7000	626923.3300	1048400.7000	95.0005
3	14:35:35	248534.2000	TM 2711971.9000	632172.2300	1059931.8000	82.5004
4	14:35:52	245476.3700	TM 2713773.5000	634698.8600	1061914.5000	95.0005
5	14:36:08	245518.4200	TM 2727623.2000	634665.1900	1070761.5000	70.0003
x		245589.1000	TM 2685301.0000	629895.6400	1054511.0000	88.5005
%RSD		0.724	TM 1.708	0.935	1.433	13.781

Run	Time	115In	159Tb	209Bi	220Bkg
1	14:35:02	1164480.0000	1846733.9000	1217328.7000	2.5000
2	14:35:19	1175294.6000	1882960.6000	1251813.7000	0.0000
3	14:35:35	1203789.7000	1928243.9000	1283753.5000	0.0000
4	14:35:52	1205097.5000	1955429.0000	1297217.9000	0.0000
5	14:36:08	1217777.8000	1977067.3000	1306951.2000	0.0000
x		1193287.9000	1918086.9000	1271413.0000	0.5000
%RSD		1.875	2.771	2.887	223.607

MH2690 07/07/2008 14:39:00

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	14:39:17	246545.5900	TM 2152880.4000	611359.6400	1003954.6000	97.5006
2	14:39:33	247875.8500	TM 2172810.4000	618298.3200	1016061.0000	90.0005
3	14:39:49	246064.1700	TM 2187798.6000	619390.1000	1030850.3000	62.5002
4	14:40:06	246464.9200	TM 2195880.7000	619377.9900	1034622.7000	72.5003
5	14:40:22	248896.4400	TM 2231699.7000	625182.0300	1046011.6000	75.0003
x		247169.3900	TM 2188213.9000	618721.6200	1026300.0000	79.5004
%RSD		0.478	TM 1.339	0.796	1.603	17.705

Run	Time	115In	159Tb	209Bi	220Bkg
1	14:39:17	1121850.6000	1753116.7000	1155729.4000	2.5000
2	14:39:33	1137094.2000	1798715.7000	1183597.0000	0.0000
3	14:39:49	1155702.2000	1831831.3000	1204858.9000	0.0000
4	14:40:06	1165598.9000	1845750.0000	1227982.7000	0.0000
5	14:40:22	1176893.4000	1876144.0000	1240215.0000	0.0000
x		1151427.9000	1821111.5000	1202476.6000	0.5000
%RSD		1.917	2.587	2.827	223.607

MH2692 07/07/2008 14:43:14

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	14:43:30	243808.4700	TM 2419302.1000	601052.6100	983511.1500	92.5005
2	14:43:46	238410.6100	TM 2421554.1000	600361.6200	990829.1900	100.0006
3	14:44:03	243594.8500	TM 2471598.1000	610279.6200	1009869.3000	77.5004
4	14:44:19	242651.2500	TM 2493217.1000	612918.1000	1021753.0000	107.5007
5	14:44:35	245156.3200	TM 2510920.2000	618693.6000	1026713.2000	90.0005
x		242724.3000	TM 2463318.3000	608661.1100	1006535.2000	93.5005
%RSD		1.060	TM 1.687	1.294	1.876	12.047

Run	Time	115In	159Tb	209Bi	220Bkg
1	14:43:30	1087052.2000	1699939.6000	1108370.4000	0.0000
2	14:43:46	1103526.3000	1738010.7000	1143161.2000	0.0000
3	14:44:03	1125869.9000	1784147.6000	1164563.0000	0.0000
4	14:44:19	1142013.7000	1811521.2000	1195396.7000	0.0000
5	14:44:35	1167344.8000	1842114.2000	1210801.1000	0.0000
x		1125161.4000	1775146.7000	1164458.5000	0.0000
%RSD		2.805	3.202	3.516	0.000

MH2694 07/07/2008 14:47:28

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	14:47:44	244128.4700	TM 2052804.9000	617556.2100	1025358.1000	125.0009
2	14:48:01	247872.4200	TM 2074373.8000	623279.6600	1038049.6000	100.0006
3	14:48:17	245289.3200	TM 2094066.2000	625178.0000	1050044.7000	125.0009
4	14:48:34	251807.8100	TM 2132437.4000	638980.7500	1066498.3000	85.0004
5	14:48:50	250258.8500	TM 2133563.4000	640463.3300	1073383.9000	125.0009
x		247871.3700	TM 2097449.1000	629091.5900	1050666.9000	112.0008
%RSD		1.305	TM 1.697	1.608	1.884	16.584

Run	Time	115In	159Tb	209Bi	220Bkg
1	14:47:44	1150586.5000	1818022.8000	1195136.8000	0.0000
2	14:48:01	1165493.0000	1855819.8000	1230251.1000	0.0000
3	14:48:17	1183082.3000	1904589.1000	1270022.5000	0.0000
4	14:48:34	1207716.7000	1935123.8000	1287751.9000	0.0000
5	14:48:50	1216082.4000	1947480.0000	1308748.2000	0.0000
x		1184592.2000	1892207.1000	1258382.1000	0.0000
%RSD		2.331	2.880	3.626	0.000

MH2696 07/07/2008 14:51:43

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	14:51:59	227297.3000	TM 8479730.6000	589935.0500	969623.8500	2537.8864
2	14:52:15	227885.5500	TM 8480193.5000	595621.4400	986651.9200	2655.4230
3	14:52:32	227057.5700	TM 8687801.0000	600448.8300	998178.5800	2505.3766
4	14:52:48	226052.4500	TM 8721293.0000	602527.3600	1010814.3000	2630.4151
5	14:53:04	226523.3200	TM 8808882.5000	606932.9700	1014232.0000	2452.8609
x		226963.2400	TM 8635580.1000	599093.1300	995900.1300	2556.3924
%RSD		0.311	TM 1.723	1.091	1.838	3.328

Run	Time	115In	159Tb	209Bi	220Bkg
1	14:51:59	1073273.5000	1734133.8000	1081082.9000	0.0000
2	14:52:15	1090261.2000	1774513.6000	1103802.0000	0.0000
3	14:52:32	1106621.8000	1800907.0000	1120318.6000	0.0000
4	14:52:48	1120153.5000	1821049.3000	1138061.3000	0.0000
5	14:53:04	1127693.6000	1845922.7000	1151682.3000	0.0000
x		1103600.7000	1795305.3000	1118989.4000	0.0000
%RSD		2.006	2.401	2.489	0.000

ZZZZZZ 07/07/2008 14:55:57

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	14:56:13	253367.3600	787.5372	653526.3900	1078064.3000	2.5000
2	14:56:30	254081.1000	817.5401	661554.2200	1096952.3000	0.0000
3	14:56:46	253290.9200	982.5579	665830.4800	1105646.7000	2.5000
4	14:57:02	252903.5800	1125.0759	668219.5600	1116449.8000	2.5000
5	14:57:19	253066.7600	1672.6679	672787.2900	1130461.1000	5.0000
x		253341.9400	1077.0758	664383.5900	1105514.8000	2.5000
%RSD		0.178	33.384	1.099	1.791	70.711

Run	Time	115In	159Tb	209Bi	220Bkg
1	14:56:13	1209856.3000	1810974.2000	1251387.5000	0.0000
2	14:56:30	1226884.8000	1836902.0000	1278438.0000	0.0000
3	14:56:46	1245227.7000	1862674.0000	1298013.7000	0.0000
4	14:57:02	1257751.0000	1898932.1000	1312568.7000	0.0000
5	14:57:19	1269533.2000	1918132.5000	1339757.6000	0.0000
x		1241850.6000	1865523.0000	1296033.1000	0.0000
%RSD		1.922	2.350	2.586	0.000

CCV8 07/07/2008 15:00:13

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	15:00:29	239999.4200	23731.2420	625954.4100	1048691.6000	9765.7188
2	15:00:45	241321.8000	23144.5960	628265.2100	1052104.3000	9585.5098
3	15:01:01	239479.7900	23608.3940	629930.3900	1061385.6000	9740.6895
4	15:01:17	240254.1100	23716.2000	634853.7700	1080473.4000	10003.5010
5	15:01:34	241320.0900	23718.7070	635078.7300	1079682.6000	9848.3159
x		240475.0400	23583.8280	630816.5000	1064467.5000	9788.7469
%RSD		0.341	1.062	0.641	1.408	1.564

Run	Time	115In	159Tb	209Bi	220Bkg
1	15:00:29	1178948.2000	1782533.1000	1247980.0000	2.5000
2	15:00:45	1197155.7000	1821381.5000	1282141.2000	0.0000
3	15:01:01	1212551.6000	1856916.0000	1315947.0000	2.5000
4	15:01:17	1226325.8000	1903394.1000	1335518.7000	2.5000
5	15:01:34	1233673.5000	1898817.4000	1352606.4000	0.0000
x		1209731.0000	1852608.4000	1306838.6000	1.5000
%RSD		1.831	2.781	3.218	91.287

CCB8 07/07/2008 15:04:29

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	15:04:45	243666.0600	597.5214	640111.5300	1078920.1000	7.5000
2	15:05:02	243598.2900	607.5221	646264.0000	1099929.1000	2.5000
3	15:05:18	244396.1400	635.0242	651579.9800	1112616.9000	5.0000
4	15:05:34	245392.2800	632.5240	657596.1000	1125793.0000	10.0000
5	15:05:50	247160.0600	587.5207	661354.2400	1134735.2000	10.0000
x		244842.5700	612.0225	651381.1700	1110398.9000	7.0000
%RSD		0.606	3.447	1.310	1.981	46.566

Run	Time	115In	159Tb	209Bi	220Bkg
1	15:04:45	1222574.9000	1858824.6000	1315183.0000	0.0000
2	15:05:02	1245929.4000	1906197.1000	1348117.5000	0.0000
3	15:05:18	1268357.8000	1951185.3000	1379304.1000	0.0000
4	15:05:34	1283679.5000	1972060.3000	1401449.4000	2.5000
5	15:05:50	1296277.0000	2002268.5000	1420688.0000	0.0000
x		1263363.7000	1938107.2000	1372948.4000	0.5000
%RSD		2.338	2.912	3.065	223.607

MH2696-2X 07/07/2008 15:08:45

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	15:09:01	229709.6100	TM 4209426.0000	589206.0900	966139.3500	1317.6042
2	15:09:17	231084.3500	TM 4250424.6000	591954.7500	978737.6400	1322.6049
3	15:09:34	230698.0300	TM 4301231.8000	593574.0700	999959.3000	1397.6172
4	15:09:50	234261.2300	TM 4356342.7000	603690.9600	1001872.4000	1442.6249
5	15:10:06	233152.4400	TM 4393600.5000	606685.9200	1021879.7000	1305.1022
x		231781.1300	TM 4302205.1000	597022.3600	993717.6800	1357.1107
%RSD		0.807	TM 1.746	1.288	2.184	4.423

Run	Time	115In	159Tb	209Bi	220Bkg
1	15:09:01	1068774.0000	1694437.0000	1093616.0000	0.0000
2	15:09:17	1095112.2000	1723331.3000	1131364.8000	0.0000
3	15:09:34	1110739.4000	1765669.4000	1156299.7000	0.0000
4	15:09:50	1128654.0000	1793451.2000	1167774.2000	2.5000
5	15:10:06	1137716.1000	1827256.0000	1188406.0000	0.0000
x		1108199.2000	1760829.0000	1147492.1000	0.5000
%RSD		2.480	3.020	3.180	223.607

CRIF2 07/07/2008 15:12:59

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	15:13:18	245812.7400	725.0315	633702.1300	1046598.9000	60.0002
2	15:13:34	246876.8500	787.5372	644645.5700	1070033.9000	50.0001
3	15:13:50	250850.4100	682.5280	651613.7200	1084698.0000	22.5000
4	15:14:07	251374.1700	805.0389	654464.6600	1096248.1000	65.0003
5	15:14:23	251990.7100	1045.0655	659631.6700	1108942.0000	30.0001
x		249380.9800	809.0402	648811.5500	1081304.2000	45.5001
%RSD		1.133	17.398	1.546	2.232	40.822

Run	Time	115In	159Tb	209Bi	220Bkg
1	15:13:18	1172117.9000	1755055.9000	1218012.4000	0.0000
2	15:13:34	1198442.4000	1793782.5000	1255027.6000	0.0000
3	15:13:50	1217898.7000	1830701.1000	1286841.0000	0.0000
4	15:14:07	1242329.1000	1871509.5000	1312552.7000	0.0000
5	15:14:23	1257918.7000	1901072.9000	1339611.7000	0.0000
x		1217741.4000	1830424.4000	1282409.1000	0.0000
%RSD		2.807	3.198	3.719	0.000

CCV9 07/07/2008 15:17:15

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	15:17:32	238931.0400	23417.8580	619114.4500	1041384.8000	9160.0316
2	15:17:49	235680.4100	23239.8600	614734.8800	1047751.1000	9287.6728
3	15:18:05	240151.2000	23385.2660	626476.5400	1061368.6000	9770.7247
4	15:18:22	239405.1900	23503.0970	624058.5800	1069487.4000	10003.5010
5	15:18:38	238561.5100	24358.0470	626115.8900	1075358.3000	9835.8012
x		238545.8700	23580.8260	622100.0700	1059070.1000	9611.5462
%RSD		0.716	1.886	0.813	1.352	3.816

Run	Time	115In	159Tb	209Bi	220Bkg
1	15:17:32	1186125.2000	1798749.4000	1270145.6000	0.0000
2	15:17:49	1198508.5000	1839478.4000	1303308.9000	2.5000
3	15:18:05	1221523.7000	1879025.4000	1330249.7000	7.5000
4	15:18:22	1227262.3000	1900449.2000	1353285.8000	7.5000
5	15:18:38	1239552.7000	1923303.4000	1374589.5000	0.0000
x		1214594.5000	1868201.2000	1326315.9000	3.5000
%RSD		1.795	2.655	3.099	108.327

CCB9 07/07/2008 15:21:29

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	89Y	108Mo O
1	15:21:45	235507.2900	627.5236	615312.7800	1035198.0000	5.0000
2	15:22:01	238070.2600	540.0175	622242.5400	1052782.5000	12.5000
3	15:22:18	239464.3600	615.0227	624911.5900	1059943.1000	5.0000
4	15:22:34	240495.9300	617.5229	633840.8600	1072001.8000	5.0000
5	15:22:51	241146.8400	567.5193	633551.2800	1076641.8000	10.0000
x		238936.9400	593.5212	625971.8100	1059313.4000	7.5000
%RSD		0.938	6.379	1.258	1.555	47.140

Run	Time	115In	159Tb	209Bi	220Bkg
1	15:21:45	1169844.1000	1773366.0000	1251673.6000	0.0000
2	15:22:01	1187872.3000	1813844.6000	1280432.2000	0.0000
3	15:22:18	1201338.3000	1828157.9000	1300211.3000	2.5000
4	15:22:34	1214502.4000	1855838.3000	1310800.0000	0.0000
5	15:22:51	1228755.1000	1864488.0000	1328429.5000	0.0000
x		1200462.5000	1827139.0000	1294309.3000	0.5000
%RSD		1.906	1.990	2.279	223.607

SDG/PREP GROUP# MH2662/EMS/1219 CONTINUED FROM PAGE#: 0119

Explanations:

Physical Description Log

CASE: 37402 **SDG:** MH2662 **DCL ID:** 8171002

DCL Sample #	Matrix	Method **	Prep Date	Amount of Sample Used (mL)	Final Volume of Digested Samples	pH	*Color/Clarity, Texture Before	After	Comments	Init.
PBW	ASTM Type II H_2O	ILM05.4 HW3	06/26/08 17:00	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	↓
MH2662	Water			50 mL	50 mL <2	N/A	N/CL	N/CL	N/A	
MH2664				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH2668				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH2670				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH2672				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH2673				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH2675				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH2677				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH2679				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH2681				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH2683				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH2685				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH2686				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH2688				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH2690				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH2692				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH2694				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH2696	↓	↓	↓	50 mL	50 mL	N/A	N/CL	N/CL	N/A	↓

COLOR	N = Colorless	BR = Brown	TEXTURE	F = Fine	CLARITY
BL = Black	GR = Gray	GN = Green		M = Medium	CL = Clear
Y = Yellow	R = Red	W = White		C = Coarse	CO = Cloudy

6/27/08 RKA

6/27/08 RKA

CONTINUED ON PAGE# X

Preparer Signature/Date: 6/27/08

Reviewer Signature/Date: 06/27/08

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).

Revised

Sample Delivery Group (SDG)
Cover Sheet

SDG Number: MH2662

☐ 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) MH2662	7) MH2675	13) MH2686	19)
2) MH2664	8) MH2677	14) MH2688	20)
3) MH2668	9) MH2679	15) MH2690	21)
4) MH2670	10) MH2681	16) MH2692	22)
5) MH2672	11) MH2683	17) MH2694	23)
6) MH2673	12) MH2685	18) MH2696	24)

MH 7/8/08

MH2662

First Sample in SDG

MH2696

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: [illegible]

Date: 7/8/2008

DataChem Laboratories, Inc.
CHAIN-OF-CUSTODY

Project / Job / Task: P056L001 | ***Split:*** | **Workorder ID:** 8171002

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 PrepExtnDig
1	6/3/2008 09:45	MH2662	8171002001		Water		1	X	X
2	6/3/2008 10:50	MH2664	8171002002		Water		1	X	X
3	6/3/2008 11:30	MH2668	8171002004		Water		1	X	X
4	6/3/2008 12:30	MH2670	8171002005		Water		1	X	X
5	6/4/2008 10:00	MH2672	8171002006		Water		1	X	X
6	6/4/2008 10:45	MH2673	8171002007		Water		1	X	X
7	6/4/2008 11:45	MH2675	8171002008		Water		1	X	X
8	6/4/2008 12:25	MH2677	8171002009		Water		1	X	X
9	6/4/2008 12:50	MH2679	8171002010		Water		1	X	X
10	6/4/2008 13:05	MH2681	8171002011		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 1:35	R33-1 Cooler	Storage
R-33-1 RKA	6/26/08 1700	Robert Ace	ICP MS Prep

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep / Analysis for: ICP MS | Lab Notebook No.: 339

Prepared / Analyzed by: RKA | Date / Time: 6/26/08 1700

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location
Robert Ace	6/27/08 1745	ICP-MS Lab	Analysis

DataChem Laboratories, Inc.
CHAIN-OF-CUSTODY

Project / Job / Task: P056L001 | **Split:** | **Workorder ID:** 8171002

Client: U. S. EPA Region 8 | **Account:** 08201

Comments:

Item	Collect Date/Time	Sample ID	Lab ID	QC	Matrix	Preservatives: HNO3	Containers: Count	LM05.4 ICP-MS, Water	LM05.4 Prep/ExtrDig
11	6/4/2008 15:20	MH2683	8171002012		Water		1	X	X
12	6/4/2008 14:50	MH2685	8171002013		Water		1	X	X
13		MH2686	8171002014		Water		1	X	X
14	6/4/2008 14:30	MH2688	8171002015		Water		1	X	X
15	6/5/2008 07:30	MH2690	8171002016		Water		1	X	X
16	6/4/2008 15:50	MH2692	8171002017		Water		1	X	X
17	6/5/2008 09:55	MH2694	8171002018		Water		1	X	X
18	6/5/2008 11:52	MH2696	8171002019		Water		1	X	X
19									
20									

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 1875	R-33-1 Dist	Storage
R-33-1 RKA	6/26/08 1700	RKA	ICPMS Prep

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep / Analysis for: ICPMS | Lab Notebook No.: 339

Prepared / Analyzed by: RKA | Date / Time: 6/26/08 1700

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location
RKA	6/27/08 1745	ICP-MS Lab DB	Analysis

Batch Worklist

DATA CHEM LABORATORIES, INC.

Batch EMS/ 1249 **Created** 6/27/2008 07:42 **HBN** 17135

Rule ILM ICP-MS HW3 Prep **Analyst** R. Aullman **Status** NA

Workorder 8171002 **CASE** 37402 **SDG** MH2662 **MODN** 1554.1

Pos	Lab ID	Sample ID	Prep Initial	Prep Final	Mx	Type	Container	Procedure	Mgr	Expire Date	Due Date
1	55234	PBW			3	PBW		ILMMSW..3P	6085	12/24/2008	6/24/2008
2	55235	LCSW			3	LCSW		ILMMSW..3P	6085	12/24/2008	6/24/2008
3	8171002001	MH2662			3	SAMPLE	8171002001-A	I54MSW..3P	5936	12/15/2008	6/24/2008
4	8171002002	MH2664			3	SAMPLE	8171002002-A	I54MSW..3P	5936	12/15/2008	6/24/2008
5	8171002004	MH2668			3	SAMPLE	8171002004-A	I54MSW..3P	5936	12/15/2008	6/24/2008
6	8171002005	MH2670			3	SAMPLE	8171002005-A	I54MSW..3P	5936	12/15/2008	6/24/2008
7	8171002006	MH2672			3	SAMPLE	8171002006-A	I54MSW..3P	5936	12/15/2008	6/24/2008
8	8171002007	MH2673			3	SAMPLE	8171002007-A	I54MSW..3P	5936	12/15/2008	6/24/2008
9	8171002008	MH2675			3	SAMPLE	8171002008-A	I54MSW..3P	5936	12/15/2008	6/24/2008
10	8171002009	MH2677			3	SAMPLE	8171002009-A	I54MSW..3P	5936	12/15/2008	6/24/2008
11	8171002010	MH2679			3	SAMPLE	8171002010-A	I54MSW..3P	5936	12/15/2008	6/24/2008
12	8171002011	MH2681			3	SAMPLE	8171002011-A	I54MSW..3P	5936	12/15/2008	6/24/2008
13	8171002012	MH2683			3	SAMPLE	8171002012-A	I54MSW..3P	5936	12/15/2008	6/24/2008
14	8171002013	MH2685			3	SAMPLE	8171002013-A	I54MSW..3P	5936	12/15/2008	6/24/2008
15	8171002014	MH2686			3	SAMPLE	8171002014-A	I54MSW..3P	5936	12/15/2008	6/24/2008
16	8171002015	MH2688			3	SAMPLE	8171002015-A	I54MSW..3P	5936	12/15/2008	6/24/2008
17	8171002016	MH2690			3	SAMPLE	8171002016-A	I54MSW..3P	5936	12/15/2008	6/24/2008
18	8171002017	MH2692			3	SAMPLE	8171002017-A	I54MSW..3P	5936	12/15/2008	6/24/2008
19	8171002018	MH2694			3	SAMPLE	8171002018-A	I54MSW..3P	5936	12/15/2008	6/24/2008
20	8171002019	MH2696			3	SAMPLE	8171002019-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
8171002	MH2662,4,8,70,2,3,5,7,9,81,3,5,6,8, MH2690,2,4,6	ICP-MS	8201

6/27/08 RKA

Prep Group # EMS/1249

Hood: ICPMS#33

Micro: NA

SDG: MH2662

Case: 37402

Sample Description (Bk/Pg): water 339/120

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	1mL

6/27/08 RKA

QC's spiked by: RKA Witness: NA

METHOD INFORMATION

Method reagents/Lots ID's:

1:1 HNO_3 / 1207010 pipette: 2163121
1mL used of MS-08-154 (4184/37)
1:1 HCl / 4207040 pipette: 279094
0.5mL used of solution prepared as needed

Balance ID: NA
Samples measured using: 50mL polypropylene tubes
Digestion glassware type: ↓
Final volume container type:
Amount of sample used: 50mL
Final sample volume: ↓

Explanations below -- if redigesting, WHY, Modified method? (Y/N) Y WHAT/WHY: No MD/MS prepared due to lack of sample volume. 6/27/08 RKA

6/26/08 1700 [illegible] Retrieved samples from R-33-1 and allowed them to come to room temperature overnight. 6/26/08 17:30 [illegible] 6/27/08 07:30 [illegible] Rinsed and labelled digestion tubes. Poured 50mL aliquots of each sample into digestion tubes. Added 1mL of 1:1 HNO_3 and 0.5mL of 1:1 HCl to each sample. Rinsed watchglasses and topped tubes. Spiked LCSW as per above. Samples were put into the hotblock @ 9:10. The temperature was checked @ 10:15 using thermometer ICPMS#2 and found to be 94.4°C. Samples were reduced to ~20mL and removed from hotblock with the last sample out @ 14:23. Watchglasses were replaced with rinsed screwcaps. Samples were put back on hotblock to reflux until 15:03. Samples were allowed to cool, then diluted to 50mL with ASTM Type II water and shaken. 6/27/08 15:45 [illegible] 6/27/08 RKA

METHOD/DCL SOP USED (Include revision): ILM05.4 & HW3 CONTINUED ON PAGE #: 120

Preparer Signature/Date: [illegible] 6/27/08

Reviewer Signature/Date: Kristi Butin 06/27/08

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DCL SOLUTION #	ANALYTES	CONCENTRATION	VENDOR	LOT #	DATE RECD.	DATE OPENED	DATE EXPIRES	INIT.
IP-PS-07-014 (WP-STE-1) 734 RCB 03/07/07	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 (WP-STE-5) 736	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 CZI 8.4	Ba / Se, V	10 ug/mL / 5 ug/mL	Inorganic Ventures	A2-MEB194150	03/28/07	03/29/07	05/01/08	KB
	Cr3, Cu, Sb, Zn	2 ug/mL						
	Ag, As, Be, Cd, Co, Mn, Ni, Pb, Tl	1 ug/mL						
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 ISB	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	04/09/07	04/18/07	09/08/08	KE
	Ba, Be, Cr, Co, Li, Mn, Mo, Sr, Ti, V, Y, Zn, Zr, Cu	200 ug/mL						
		200 ug/mL						
600 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, Se, Tl, Al, As, Mg, B	400 ug/mL						
	Ag, Be, Cd, Co, Cr, Cu, Mn, Ni, V, Zn, Sr, Li	100 ug/mL						
IP-PS-07-021	Sb, Mo, Sn, Ti, Si	400 ug/mL, 100 ug/mL	CPI	07C088	04/01/07	04/18/07	09/08/08	KE
IP-PS-07-022	ICV-1	See facing page	EPA/QATS	ICV-1 (1201)	04/18/07		NA	KB
IP-PS-07-023	See facing page							
IP-PS-07-024								
IP-PS-07-025	ICSA (ICP-MS)	See facing page	EPA/QATS	ICSA (0803)	04/18/07	09/23/07	NA	KB
IP-PS-07-026	See facing page					01/17/08		
IP-PS-07-027								
IP-PS-07-028								
IP-PS-07-029								
IP-PS-07-030								
IP-PS-07-031	ICSB (ICP-MS)					09/23/07		
IP-PS-07-032	See facing page	See facing page	EPA/QATS	ICSB (0803)	04/18/07		NA	KB
IP-PS-07-033								
IP-PS-07-034	As	10,000 ug/mL	CPI	07B146	04/01/07	04/20/07	09/30/08	KE
IP-PS-07-035	Ba	10,000 ug/mL	CPI	07C169	04/01/07	04/20/07	09/30/08	KE
IP-PS-07-036	Be	10,000 ug/mL	CPI	07A145	04/01/07	04/20/07	~~09~~ 10/04/08 KE 04/20/07	KE

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Witnessed & Understood by me, Kristie Bitner — Date 04/20/07

Invented by — Date

Recorded by — Date 04/20/07

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QATS INORGANIC REFERENCE MATERIAL
INITIAL CALIBRATION VERIFICATION SOLUTIONS
(ICVs)

ICV-1 (1201):		
Element	Concentration (µg/L) (after 10-fold dilution)	Concentration (µg/L) (after 50-fold dilution)
Al	2482	496
Sb	992	198
As	996	199
Ba	502	100
Be	493	99
Cd	494	99
Ca	10180	2036
Cr	490	98
Co	496	99
Cu	490	98
Fe	5107	1021
Pb	996	199
Mg	6003	1201
Mn	495	99
Ni	492	98
K	10008	2002
Se	1005	201
Ag	495	99
Na	10039	2008
Tl	1027	205
V	501	100
Zn	1000	200

KB 4/19/07

QATS INORGANIC REFERENCE MATERIAL
INITIAL CALIBRATION VERIFICATION SOLUTIONS
(ICVs)

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP and AA instruments. These solutions may also be used as aqueous Laboratory Control Solutions.

The values for each element in the ICVs are listed below in µg/L (ppb) for the solutions that result after the concentrates have been diluted according to the following instructions:

1. ICV-1 (1201) — For ICP-AES use, dilute the ICV-1 concentrate 10-fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For ICP-MS use, dilute the ICV-1 concentrate 50-fold with 1% (v/v) nitric acid; pipet 2 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

2. ICV-2 (0601) -- For furnace AA use, dilute the ICV-2 concentrate 20-fold with 2% (v/v) nitric acid; pipet 5 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

3. ICV-3 (0500) -- For ICP use, dilute the ICV-3 concentrate 10-fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For furnace AA use, dilute the ICV-3 concentrate 100-fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

KB 4/19/07

4. ICV-4 (0499) -- For the furnace AA determination of lead and thallium, dilute the ICV-4 concentrate 10-fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For the furnace AA determination of silver and cadmium, dilute the ICV-4 concentrate 100-fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

5. ICV-5 (1104) -- For the cold vapor analysis of mercury by AA, dilute the ICV-5 concentrate 100-fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV-5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.

6. ICV-6 (0400) -- For the analysis of cyanide, dilute the ICV-6 concentrate 100-fold with Type II water; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

QATS INORGANIC REFERENCE MATERIAL
INTERFERENCE CHECK SAMPLE FOR ICP-MS
PART A (0803) WITH PART B (0803)

Part A (0803), Inferferents: Pipet 10 mL of the Part A solution into a 100-mL volumetric flask and dilute to volume with 1% v/v HNO3. Analyze this solution, Soln. A, by ICP-MS.

Part B (0803), Analytes, mixed with Part A (0803), Interferents: Pipet 10 mL of the Part A solution and 10 mL of the Part B solution into a 100-mL volumetric flask and dilute to volume with 1% v/v HNO3. Analyze this solution, Soln. AB, by ICP-MS.

Table I. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS PART A (0803) AND PART A (0803) MIXED WITH PART B (0803)

Element	Concentration (µg/L) Part A	Concentration (µg/L) Part A + Part B
Al	[100000]	[100000]
Sb	(1.5)	22
As	(0.1)	19
Ba	(1.2)	22
Be	(0)	19
Cd	(0.7)	20
Ca	[100000]	[100000]
C	[200000]	[200000]
Cl	[1000000]	[1000000]
Cr	21	40
Co	1	20
Cu	8	25
Fe	[100000]	[100000]
Pb	4	25
Mg	[100000]	[100000]
Mn	7	27
Mo	[2000]	[2000]
Ni	6	24
P	[100000]	[100000]
K	[100000]	[100000]
Se	(0.3)	19
Ag	(0)	18
Na	[100000]	[100000]
S	[100000]	[100000]
Tl	(0)	21
Ti	[2000]	[2000]
V	(0.5)	19
Zn	11	29

KB 04/19/07

[ ] INDICATES ANALYTES THAT DO NOT REQUIRE ICP-MS DETERMINATION IN THE ICS.
( ) INDICATES ANALYTE VALUES THAT ARE LESS THAN THE CRQL AND THE VALUE IS TO BE USED AS A SET POINT FOR THE ± 3 TIMES CRQL ACCEPTANCE CRITERIA CALCULATIONS.

Batch Worklist

DATA CHEM LABORATORIES, INC.

Batch EMS/ 1263 **Created** 7/7/2008 13:12 **HBN** 17400

Rule ILM ICP-MS Water Analysis **Analyst** N. Edwards **Status** WP

Workorder 8171002 **CASE** 37402 **SDG** MH2662 **MODN** 1554.1

Pos	Lab ID	Sample ID	Prep Initial	Prep Final	Mx	Type	Container	Procedure	Mgr	Expire Date	Due Date
1	56133	S0			3	STB		ILMMSW...3	5609	1/3/2009	7/7/2008
	*Run # MS208077 and MS208081 (Ca only)										
2	56134	S2			3	STC		ILMMSW...3	5609	1/3/2009	7/7/2008
3	56135	S5			3	STD		ILMMSW...3	5609	1/3/2009	7/7/2008
4	56136	S10			3	STD		ILMMSW...3	5609	1/3/2009	7/7/2008
5	56137	S50			3	STD		ILMMSW...3	5609	1/3/2009	7/7/2008
6	56138	S200			3	STD		ILMMSW...3	5609	1/3/2009	7/7/2008
7	56139	S500			3	STD		ILMMSW...3	5609	1/3/2009	7/7/2008
8	56140	S1000			3	STD		ILMMSW...3	5609	1/3/2009	7/7/2008
9	56141	S1500			3	STD		ILMMSW...3	5609	1/3/2009	7/7/2008
10	56142	S2000			3	STD		ILMMSW...3	5609	1/3/2009	7/7/2008
11	56143	ICV			3	ICV		ILMMSW...3	5609	1/3/2009	7/7/2008
12	56144	ICB			3	ICB		ILMMSW...3	5609	1/3/2009	7/7/2008
13	56145	CRII			3	CRI		ILMMSW...3	5609	1/3/2009	7/7/2008
14	56146	ICSA			3	ICSA		ILMMSW...3	5609	1/3/2009	7/7/2008
15	56147	ICSAB			3	ICSAB		ILMMSW...3	5609	1/3/2009	7/7/2008
16	56148	CCV			3	CCV		ILMMSW...3	5609	1/3/2009	7/7/2008
17	56149	CCB			3	CCB		ILMMSW...3	5609	1/3/2009	7/7/2008
18	55234	PBW	50 mL	50 mL	3	PBW		ILMMSW...3	6085	12/24/2008	6/25/2008
19	55235	LCSW	50 mL	50 mL	3	LCSW		ILMMSW...3	6085	12/24/2008	6/25/2008
20	8171002001	MH2662	50 mL	50 mL	3	SAMPLE	8171002001-A	I54MSW...3	5936	12/15/2008	7/7/2008
21	56150	MH2662L			3	SD		ILMMSW...3	5609	12/15/2008	7/7/2008
22	8171002002	MH2664	50 mL	50 mL	3	SAMPLE	8171002002-A	I54MSW...3	5936	12/15/2008	7/7/2008
23	8171002004	MH2668	50 mL	50 mL	3	SAMPLE	8171002004-A	I54MSW...3	5936	12/15/2008	7/7/2008
24	8171002005	MH2670	50 mL	50 mL	3	SAMPLE	8171002005-A	I54MSW...3	5936	12/15/2008	7/7/2008
25	8171002006	MH2672	50 mL	50 mL	3	SAMPLE	8171002006-A	I54MSW...3	5936	12/15/2008	7/7/2008
	*2x for Ca										
26	8171002007	MH2673	50 mL	50 mL	3	SAMPLE	8171002007-A	I54MSW...3	5936	12/15/2008	7/7/2008
27	56151	CCV2			3	CCV		ILMMSW...3	5609	1/3/2009	7/7/2008

Pos	Lab ID	Sample ID	Prep Initial	Prep Final	Mx	Type	Container	Procedure	Mgr	Expire Date	Due Date
28	56152	CCB2			3	CCB		ILMMSW...3	5609	1/3/2009	7/7/2008
29	8171002008	MH2675	50 mL	50 mL	3	SAMPLE	8171002008-A	I54MSW...3	5936	12/15/2008	7/7/2008
30	8171002009	MH2677	50 mL	50 mL	3	SAMPLE	8171002009-A	I54MSW...3	5936	12/15/2008	7/7/2008
31	8171002010	MH2679	50 mL	50 mL	3	SAMPLE	8171002010-A	I54MSW...3	5936	12/15/2008	7/7/2008
32	8171002011	MH2681	50 mL	50 mL	3	SAMPLE	8171002011-A	I54MSW...3	5936	12/15/2008	7/7/2008
33	8171002012	MH2683	50 mL	50 mL	3	SAMPLE	8171002012-A	I54MSW...3	5936	12/15/2008	7/7/2008
34	8171002013 *2x for Ca	MH2685	50 mL	50 mL	3	SAMPLE	8171002013-A	I54MSW...3	5936	12/15/2008	7/7/2008
35	56153	CRIF			3	CRI		ILMMSW...3	5609	1/3/2009	7/7/2008
36	56154	CCV3			3	CCV		ILMMSW...3	5609	1/3/2009	7/7/2008
37	56155	CCB3			3	CCB		ILMMSW...3	5609	1/3/2009	7/7/2008
38	8171002014 *2x for Ca	MH2686	50 mL	50 mL	3	SAMPLE	8171002014-A	I54MSW...3	5936	12/15/2008	7/7/2008
39	8171002015	MH2688	50 mL	50 mL	3	SAMPLE	8171002015-A	I54MSW...3	5936	12/15/2008	7/7/2008
40	8171002016	MH2690	50 mL	50 mL	3	SAMPLE	8171002016-A	I54MSW...3	5936	12/15/2008	7/7/2008
41	8171002017	MH2692	50 mL	50 mL	3	SAMPLE	8171002017-A	I54MSW...3	5936	12/15/2008	7/7/2008
42	8171002018	MH2694	50 mL	50 mL	3	SAMPLE	8171002018-A	I54MSW...3	5936	12/15/2008	7/7/2008
43	8171002019 *2x for Ca and Zn	MH2696	50 mL	50 mL	3	SAMPLE	8171002019-A	I54MSW...3	5936	12/15/2008	7/7/2008
44	56156	CRIF2			3	CRI		ILMMSW...3	5609	1/3/2009	7/7/2008
45	56157	CCV4			3	CCV		ILMMSW...3	5609	1/3/2009	7/7/2008
46	56158	CCB4			3	CCB		ILMMSW...3	5609	1/3/2009	7/7/2008

Project No. N/A
Book No. 4706

TITLE DATACHEM LABORATORIES - ANALYSIS WRITE-UPS LOGBOOK

From Page No. X

Results File: MS208077

MOD# 1554.1

Workorder ID	Sample #'s	Analytes	Prep Write-up(Bk./Pg.)	Prep Date/Time	Analysis HBN #	Account #
8171002	MH2662,64,68,70,72,73,75,77,79,81,83 85,86,88,90,92,94,96	#1/Water	ISP 339/0119, 120	06/26/08 17:00	17400	8201

#1 = 9Be, 24Mg, 27Al, 44Ca, 51V, 52Cr, 55Mn, 57Fe, 59Co, 60Ni, 63Cu, 66Zn, 75As, 82Se, 107Ag, 111Cd, 121Sb, 137Ba, 205Tl, 208Pb

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-08-163	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-08-164	4184/37

SDG: MH2662
CASE: 37402
Prep Method: HW3
Analysis Method: ILM05.4
Analysis Date: 07/02/08
Instrument ID: ICPM02

Scanning Mode: Peak Jumping
Sweeps: 40
Channels per Mass: 1
Acquisition Duration: 33467
Channel Spacing: 0.02
Replicates: 5

Instrument Parameters:

Major		Minor		Global	
Extraction:	-145	Lens 2:	-44.7	Standard Resolution:	155
Lens 1:	2.9	Lens 8:	-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-08-127 (4721/27) 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-08-127 (4721/27) and mixing in a 14 mL Falcon tube.
S10 was prepared by taking 8.0 mL of MS-08-150 (4184/36) and adding 2.0 mL of EI-SS-08-127 (4721/27) and mixing in a 14 mL Falcon tube.
The S2, S5 and S10 were all prepared just prior to analysis and expire at the end of the next day.
Pipettes R56213M (1-10 mL), 4095124 (100-1000 µL) and 2163121 (1000 µL) were used for the dilutions.

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-08-166 (4184/37), before calibration.

A Serial Diluton was done by combining 4 mL of MS-08-150 (4184/36) and 1 mL of MH2662 in a 14 mL Falcon Tube.

A 2x dilution for 66Zn was done on sample MH2696, due to results above the linear range.

44Ca is not reported from this run, CCV2 failed. Refer to Run # MS208081 for reported 44Ca results.

KS 07/07/08

KS 07/07/08

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Witnessed & Understood by me, Kristie Bates
Date 07/08/08
Invented by:
Recorded by:
Date 07/07/08

Project No. 014

TITLE DATACHEM LABORATORIES - ANALYSIS WRITE-UPS LOG BOOK

Book No. 4706

From Page No. X

Results File: MS208081

MOD# 1554.1

Workorder ID	Sample #'s	Analytes	Prep Write-up(Bk./Pg.)	Prep Date/Time	Analysis HBN #	Account #
8171002	MH2662,64,68,70,72,73,75,77,79,81,83 85,86,88,90,92,94,96	#1/Water	ISP 339/0119, 120	06/26/08 17:00	17400	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 (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: MH2662
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: 33467
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: 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-08-173 (4184/37), before calibration.

A Serial Diluton was done by combining 4 mL of MS-08-169 (4184/37) and 1 mL of MH2662 in a 14 mL Falcon Tube.

2x dilutions for 44Ca were done on samples MH2672, MH2685, MH2686 and MH2696, due to results above the linear range.
The 2x dilutions were done by combining 3 mL of sample and 3 mL of MS-08-169 (4184/37) in a 14 mL Falcon Tube.

KE 07/07/08

KE 07/07/08

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Witnessed & Understood by me,	Date	Invented by:	Date
Kristie Bitter	07/08/08	Recorded by: [signature]	07/07/08

Project No. NA

TITLE DataChem Laboratories - ICPMS Instrument Run Logbook Book No. 4183

From Page No. 16

Date	Time On	Time Off	Total Time	Method	Matrix	Acct. #	Set-ID's / Comments	# of Samples	Run #	Init.
04/17/08	12:22	21:29	547min	6020	Water	LI	08E-0171-02 Water MDLs Run #1	40	MS208045	KB
04/18/08	15:49	20:51	302min	6020	Water	LI	08E-0171-02 Water MDLs Run #2	40	MS208046	KB
04/23/08	10:47	13:55	188min	ILMO5.4	Water	8201	8102028 SDG# ME2018	11	MS208047	KB
04/23/08	14:26	17:56	3/210min	ILMO5.4	WATER	8201	8102028 ME2018	11	MS208048	NE
04/25/08	10:44	12:48	124min	ILMO5.4	Water	8201	8107028 MXLMW4	2	MS208049	KB
05/05/08	14:42	17:49	187min	6020,7.5 KB 5/6/08	Soil Bulk	8001 7003	08E-0299-01, 08I-0615-01	2	MS208050	KB
05/14/08	10:41	13:12	151min	ILMO5.4	Water	8201	8120034, 8124001 ME0090	5	MS208051	KB
05/15/08	15:26	20:48	322min	6020	Water	LI	08E-0171-02	40	MS208052	KB
05/16/08	16:10	19:10	180min	6020/200.8	Water	8001	08E-0328-07, 09	2	MS208053	KB
05/21/08	14:32	21:23	411min	200.8	Water	LI	07E-0001-144	40	MS208054	KB
05/23/08	11:19	14:16	177min	ILMO5.4	Water	8201	8141028, 8141030 ME0063	10	MS208055	KB
05/23/08	14:57	18:48	231min	ILMO5.4	Water	8201	8141028, 8141030 ME0063	10	MS208056	KB
05/27/08	11:45	16:36	291min	ILMO5.4	Water	8201	8141028, 8141038 ME0063	10	MS208057	NE
05/27/08	16:42	19:13	151min	ILMO5.4	WATER	8201	8141028, 8141038 NOT USED, ISSUES	2	MS208058	NE
05/28/08	11:50	14:21	151min	ILMO5.4	WATER	8201	8141028, 8141038 60ml, 63ml DILUTIONS	2	MS208059	NE
06/02/08	12:49	14:59	130min	ILMO5.4	WATER	8201	8145006 MJ94M4	2	MS208060	NE
06/02/08	16:30	20:16	226min	ILMO5.4	WATER	8201	8143035 MC0050	16	MS208061	NE
06/03/08	10:31	11:40	69min	ILMO5.4	WATER	8201	8143035 55min DILUTIONS MC0050	2	MS208062	NE
06/06/08	16:03	18:02	119min	ILMO5.4	Water	8201	8150026	1	MS208063	KB
06/13/08	10:47	12:22	95min	ILMO5.4	Bulk	1101	8164030	2	MS208064	NE
06/17/08	17:18	20:16	178min	ILMO5.4	Water	8201	8155031, 8155032 MH2600	8	MS208065	KB
06/18/08	15:10	19:03	233min	ILMO5.4	Water	8201	8155031, 8155032 MH2600	8	MS208066	KB
06/23/08	13:16	17:14	238min	ILMO5.4	Water	8201	8162025 ME3M50	18	MS208067	KB
06/24/08	13:16	16:24	188min	6020	Water Soil	1101 8001, 8101	8171022, 08H-0015-01, 08E-0398-03	4	MS208068	KB
06/24/08	17:07	21:02	235min	6020	Water Soil	1101 8001, 8101	8171022, 08H-0015-01, 08E-0398-03	4	MS208069	KB
06/26/08	18:42	22:40	238min	ILMO5.4	WATER	8201	8162026 ME3MT9	16	MS208072	NE
06/27/08	11:45	13:29	104min	ILMO5.4	WATER	8201	8162026 ME3MT9	1	MS208073	NE
06/27/08	15:57	18:53	177min	ILMO5.4	WATER	8201	8162031 NOT USED ME3MX7	9	MS208074	NE
07/01/08	16:34	19:27	177min	ILMO5.4	WATER	8201	8162031 ME3MX7	9	MS208075	NE
07/01/08	19:57	23:59	242min	ILMO5.4	Water	8201	8171002 MH2662	18	MS208076	NE KB
07/02/08	20:52	01:17	265min	ILMO5.4	Water	8201	8171002 MH2662	18	MS208077	NE
07/03/08	12:20	15:59	219min	ILMO5.4	Water	8201	8171002 NOT USED MH2662	18	MS208078	KB
07/03/08	16:19	18:34	135min	ILMO5.4	Water	8201	8184024 MC0118	6	MS208079	KB
07/04/08	13:01	15:13	133min	ILMO5.4	WATER	8201	8171002 NOT USED MH2662	7	MS208080	NE
07/07/08	11:50	15:21	211min	ILMO5.4	WATER	8201	8171002 44ml ONLY MH2662	18	MS208081	NE

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Witnessed & Understood by me, | Date | Invented by | Date 07/07/08

Recorded by

Project No. NA

TITLE Datachem Laboratories - ICP-ms Solutions Logbook

Book No. 4184

From Page No. 35

Date	ICP-ms solution #	Solution Type	Primary Solution ID # (Book/Page)	Expiration Date	Recipe Page	Acid Lots	Init.	Comments
05/07/08	MS-08-117	Var IS	IP-PS-08-022 (2261/97)	11/07/08	1	HNO_3-1207120	KB	NA
05/08/08	MS-08-118	6020 Tune	IP-PS-07-~~116~~ (2261/94) KB 4/23/08	11/07/08	1	HNO_3-1207120	KB	NA
05/14/08	MS-08-119	Var Tune	IP-PS-07-115 (2261/94)	11/14/08	1	HNO_3-1207120	KB	NA
05/14/08	MS-08-120	Rinse 2%/0.05%	NA	11/14/08	1	HNO_3-1207120 HCl-4207040	KB	NA
05/14/08	MS-08-121	1% HNO_3	NA	11/14/08	2	HNO_3-1207120	KB	NA
05/14/08	MS-08-122	1% HNO_3	NA	11/14/08	2	HNO_3-1207120	KB	NA
05/14/08	MS-08-123	5.4 CRI	IP-PS-08-041 (2261/98)	11/14/08	2	HNO_3-1207120	KB	NA
05/23/08	MS-08-124	Rinse 2%/0.05%	NA	11/23/08	1	HNO_3-1207120 HCl-4207040	KB	NA
05/23/08	MS-08-125	5.4 CRI	IP-PS-08-041 (2261/98)	05/24/08 KB 5/24/08 ~~11/23/08~~	2	HNO_3-1207120	KB	NA
05/27/08	MS-08-126	5.4 CRI	IP-PS-08-041 (2261/98)	05/28/08	2	HNO_3-1207120	KE	NA
05/28/08	MS-08-127	X-Cal	IP-PS-07-107 (2261/94)	11/28/08	2	HNO_3-1207120	KB	NA
05/28/08	MS-08-128	Var Tune	IP-PS-07-115 (2261/94)	11/28/08	1	HNO_3-1207120	KB	NA
05/28/08	MS-08-129	5.4 CRI	IP-PS-08-041 (2261/98)	05/29/08	2	HNO_3-1207120	KB	NA
05/28/08	MS-08-130	Var IS	IP-PS-08-022, 023 (2261/97)	11/28/08	1	HNO_3-1207120	KB	NA
05/28/08	MS-08-131	Rinse 2%/0.05%	NA	11/28/08	1	HNO_3-1207120 HCl-4207040	KB	NA
05/29/08	MS-08-132	Var Tune	IP-PS-07-115 (2261/94)	11/29/08	1	HNO_3-1207120	KB	NA
05/29/08	MS-08-133	Var Tune	IP-PS-07-115 (2261/94)	11/29/08	1	HNO_3-1207120	KB	NA
05/29/08	MS-08-134	Var IS	IP-PS-08-023 (2261/97)	11/29/08	1	HNO_3-1207120	KB	NA
05/29/08	MS-08-135	Rinse 2%/0.05%	NA	11/29/08	1	HNO_3-1207120 HCl-4207040	KB	NA
06/02/08	MS-08-136	5.4 CRI	IP-PS-08-041 (2261/98)	06/04/08	2	HNO_3-1207120	KE	NA
06/03/08	MS-08-137	6020 Tune	IP-PS-~~07~~-08-116 (2261/94) KB 06/03/08	12/03/08	1	HNO_3-1207120	KB	NA
06/06/08	MS-08-138	Var Tune	IP-PS-07-115 (2261/94)	12/06/08	1	HNO_3-1207120	KB	NA
06/06/08	MS-08-139	1% HNO_3	NA	12/06/08	2	HNO_3-1207120	KB	NA
06/10/08	MS-08-140	5.4 CRI	IP-PS-08-041 (2261/98)	06/11/08	2	HNO_3-1207120	KB	NA
06/13/08	MS-08-141	Rinse 2%/0.05%	NA	12/13/08	1	HNO_3-1207120 HCl-4207040	JK	NA
06/17/08	MS-08-142	Var Tune	IP-PS-07-115 (2261/94)	12/17/08	1	HNO_3-1207120	KB	NA
06/17/08	MS-08-143	5.4 CRI	IP-PS-08-041 (2261/98)	06/18/08	2	HNO_3-1207120	KB	NA
06/18/08	MS-08-144	Var Tune	IP-PS-07-115 (2261/94)	12/18/08	1	HNO_3-1207120	KB	NA
06/18/08	MS-08-145	Var Tune	IP-PS-07-115 (2261/94)	12/18/08	1	HNO_3-1207120	KB	NA
06/18/08	MS-08-146	5.4 CRI	IP-PS-08-041 (2261/98)	06/19/08	2	HNO_3-1207120	KB	NA
06/23/08	MS-08-147	5.4 CRI	IP-PS-08-041 (2261/98)	06/24/08	2	HNO_3-1207120	KB	NA
06/24/08	MS-08-148	Rinse 2%/0.05%	NA	12/24/08	1	HNO_3-1207120 HCl-4207040	KB	NA
06/24/08	MS-08-149	Var IS	IP-PS-08-023 (2261/97)	12/24/08	1	HNO_3-1207120	KB	NA
06/24/08	MS-08-150	1% HNO_3	NA	12/24/08	2	HNO_3-1207120	KB	NA
06/24/08	MS-08-151	X-Cal	IP-PS-07-107 (2261/94)	12/24/08	2	HNO_3-1207120	KB	NA
06/24/08	MS-08-152	6020 Tune	IP-PS-07-116 (2261/94)	12/24/08	1	HNO_3-1207120	KB	NA

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Witnessed & Understood by me, [signature] Date 06/26/08

Invented by

Recorded by [signature] Date 06/25/08

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	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	SO_4 urine	Uri Sub 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	KB	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

To Page No.

Witnessed & Understood by me, Date Invented by Date

Recorded by

From Page No. X

RECIPES

5.3CRI = USE "CLP-MS-CRQL-2" PRIMARY CONTAINING 10 µg/mL Ba; 5 µg/mL Se; 2 µg/mL Sb, Cr, Cu, Zn; 1 µg/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 µg/L Ba, 5 µg/L Se; 2 µg/L Sb, Cr, Cu, Zn; 1 µg/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 µg/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 µg/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 µg/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 µg/L Co, In, Li, Tl in 1% HNO_3.

TUNE A = SPIKE ~~0.5~~ 0.05 mL OF "TUNE A" PRIMARY, CONTAINING 10 µg/mL OF Li, Be, Co, Ni, In, Ba, Ce, Pb, U + 100 µg/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. AE 4/13/04
FINAL TARGETS: 10 µg/L Li, Be, Co, Ni, In, Ba, Be, Ce, Pb, U; 100 µg/L As, Se.

TUNE B = SPIKE 0.5 mL OF "TUNE B" PRIMARY, CONTAINING 100 µg/mL Be; 50 µg/mL Li; 25 µg/mL Mg, Se; 20 µg/mL Co; 10 µg/mL Y, In, Ce, Tl; 5 µg/mL Tb, U, AND 0.5 mL OF HNO_3 TO A 50 mL FLASK. BRING TO VOLUME. SEAL + SHAKE.
FINAL TARGETS: 1000 µg/L Be; 500 µg/L Li; 250 µg/L Mg, Sc; 200 µg/L Co; 100 µg/L Y, In, Ce, Tl; 50 µg/L Tb, U in 1% HNO_3.

VAR IS = SPIKE 40 mL OF "6020ISS" PRIMARY, CONTAINING 10 µg/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 µg/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 µg/L ^{6}Li, Sc; 20 µg/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 µg/L ^{6}Li, Sc; 40 µg/L Ga, Y, In, Tb, Bi in 1% HNO_3.

2%/0.05% RINSE = ADD ~~20~~ 40 mL OF HNO_3 AND 1 mL OF HCl OR 2 mL OF 1:1 HCl TO A 2L CONTAINER. BRING TO VOLUME, SEAL + SHAKE. AE 4/13/04
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 50 mL FLASK CONTAINING SOME ASTM TYPE II H_2O. BRING TO VOLUME, STOPPER + SHAKE. ALL MASSES AT 250 mg/L AT FINAL.

1% HNO_3 = ADD 10 mL OF HNO_3 TO A 1L FLASK CONTAINING SOME ASTM TYPE II H_2O. BRING TO VOLUME WITH MORE ASTM TYPE II H_2O. SEAL + SHAKE. USED FOR SO, ICB, CCB + DILUTIONS.

1:4 HCl = Add 200 mL HCl to 1 L container with some ASTM Type II H_2O. Bring to volume with more ASTM Type II H_2O. Seal + Shake. Used for sample preparation, soils.

1:1 HCl = Add 500 mL ASTM Type II H_2O to 1 L container. Add 500 mL HCl to container, cap and mix by shaking. Used for sample preparation.

1:1 HNO_3 = Add 500 mL ASTM Type II H_2O to 1 L container. Add 500 mL HNO_3 to container, seal and shake to mix. Used for sample preparation.

KB 2/16/06
2% HNO_3 with Au Add 20 mL of HNO_3 to 1 L container with some ASTM Type II H_2O in it. Add 1 mL of 1:1 HCl and 10 mL of 100 µg/mL Au. Bring to 1 L volume, cap & shake. Use for Hg analysis

SO-Urine = To a 500 mL volumetric flask containing ~250 mL of ASTM Type II Water add 50 mL of UriSub and 5 mL of concentrated nitric acid. Dilute to volume with ASTM Type II water, stopper and mix, transfer to teflon bottles for storage.

5.4 CRI = Use "CLP-MS-CRQL-3" primary containing 10 µg/mL Ba; 5 µg/mL Se, V; 2 µg/mL Cr3, Cu, Sb, Zn; 1 µg/mL Ag, As, Be, Cd, Co, Mn, Ni, Pb, Tl. Spike 0.05 mL to a 50 mL Teflon class A flask, containing some ASTM Type II H_2O with 0.5 mL of HNO_3. Bring to volume with ASTM Type II H_2O, Seal & Shake. Final Targets: 10 µg/L B; 5 µg/L Se, V; 2 µg/L Cr3, Cu, Sb, Zn; 1 µg/L Ag, As, Be, Cd, Co, Mn, Ni, Pb, Tl.

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Witnessed & Understood by me,	Date	Invented by	Date
		Recorded by	

Project No. NA

TITLE Datachem Laboratories - 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#: IB 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,	Date	Invented by:	Date
[signature]	07/02/08	Recorded by: Kristie Peterson	07/02/08

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TITLE DataChem Laboratories-Secondary Standards Logbook

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 Peter	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
	07/02/08	Recorded by: Kristie Peter	07/02/08

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TITLE DataChem Laboratories - Secondary Standards Logbook

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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: [signature]	07/02/08

Project No. 11

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. 9721

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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

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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. N/A

TITLE DataChem Laboratories-Secondary Standards Log book

Book No. 4721

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ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-144	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

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Witnessed & Understood by me,	Date	Invented by:	Date
[signature]	07/02/08	Recorded by: [signature]	07/02/08

Project No. ds

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. NA

TITLE DataChem Laboratories - Secondary Standards Logbook

Book No. 4721

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ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-146	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 07/02/08

Invented by:

Recorded by: Kristie Bates

Date 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-08-147	ILM05.4 CCV

This format is used to make a secondary solution from a raw chemical or purchased solution only.

Analyte	PRIMARY ID# (INCLUDING BOOK/PG.)	PRIMARY CONC.	VOLUME OF PRIMARY	FINAL CONC.
Al	IP-PS-07-150 (2261/96) ~~IP-PS-07-104 (2261/94)~~ KB 7/2/08	20 µg/mL ~~200 µg/mL~~ KB 7/2/08	2.5 mL ~~0.75 mL~~ KB 7/2/08	250 KB 7/2/08 ~~1000~~ µg/L
Sb	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
As	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Ba	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Be	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Cd	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Ca	IP-PS-07-150 (2261/96) IP-PS-07-104 (2261/94)	20 µg/mL 200 µg/mL	2.5 mL 0.75 mL	1000 µg/L
Cr	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Co	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Cu	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Fe	IP-PS-07-150 (2261/96) IP-PS-07-104 (2261/94)	20 µg/mL 200 µg/mL	2.5 mL 0.75 mL	1000 µg/L
Pb	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Mg	IP-PS-07-150 (2261/96) IP-PS-07-104 (2261/94)	20 µg/mL 200 µg/mL	2.5 mL 0.75 mL	1000 µg/L
Mn	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Ni	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
K	IP-PS-07-150 (2261/96) IP-PS-07-104 (2261/94)	20 µg/mL 200 µg/mL	2.5 mL 0.75 mL	1000 µg/L
Se	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Ag	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Na	IP-PS-07-150 (2261/96) IP-PS-07-104 (2261/94)	20 µg/mL 200 µg/mL	2.5 mL 0.75 mL	1000 µg/L
Tl	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
V	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Zn	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
			FINAL VOL.:	200 mL

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

To Page No. x

Witnessed & Understood by me,	Date	Invented by:	Date
[signature]	07/02/08	Recorded by: Kristie Bates	07/02/08

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DCL Solution #	Analytes	Concentration	Vendor	Lot #	Date Rcvd.	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
775 Rec 03/07/07	Co, Mn, Ni, V, Zn	500 ug/mL						
	Cu / Cr3	250 ug/mL / 200 ug/mL						
	Ag, Be	50 ug/mL						
(CLPP-SPL-S) IP-PS-07-015	Sb / Cd, Se, Tl	100 ug/mL / 50 ug/mL	Inorganic Ventures	Z-CLCP18071	03/07/07	03/07/07	04/01/08	KE
776	As / Pb	40 ug/mL / 20 ug/mL						
CRI 9.4 IP-PS-07-016	Ba / Se, V	10 ug/mL / 5 ug/mL	Inorganic Ventures	A2-MEB194150	03/28/07	03/29/07	05/01/08	KB
	Cr3, Cu, Sb, Zn	2 ug/mL						
	Ag, As, Be, Cd, Co, Mn, Ni, Pb, Tl	1 ug/mL						
ISS IP-PS-07-017	Bi, Ho, In, Li, Rh, Se, 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, Se, 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	04/6/07	04/18/07	09/08/08	KE
	Ba, Be, Cr, Co, Li, Mn, Mo, Sr, Ti, V, Y, Zn, Zr, Cu	200 ug/mL						
		200 ug/mL						
6010 ICV IP-PS-07-020	K, Na / Fe	2000 ug/mL / 200 ug/mL	CPI	07C088	04/01/07	04/18/07	09/08/08	KE
	Ba, Ca, Pb, Se, Tl, Al, As, Mg, B, P	400 ug/mL						
	Ag, Be, Cd, Co, Cr, Cu, Mn, Ni, V, Zn, Sr, Li	100 ug/mL						
IP-PS-07-021	Sb, Mo, Sn, Ti, Si	400 ug/mL, 100 ug/mL	CPI	07C088	04/01/07	04/18/07	09/08/08	KE
IP-PS-07-022	ICV-1	See facing page	EPA/QATS	ICV-1 (1201)	04/18/07		NA	KB
IP-PS-07-023	See facing Page							
IP-PS-07-024								
IP-PS-07-025	ICSA (ICP-MS)	See facing page	EPA/QATS	ICSA (0803)	04/18/07	09/23/07	NA	KB
IP-PS-07-026	See facing page					01/17/08		
IP-PS-07-027								
IP-PS-07-028								
IP-PS-07-029								
IP-PS-07-030								
IP-PS-07-031	ICSB (ICP-MS)					09/23/07		
IP-PS-07-032	See facing page	See facing page	EPA/QATS	ICSB (0803)	04/18/07		NA	KB
IP-PS-07-033								
IP-PS-07-034	As	10,000 mg/mL	CPI	07B146	04/01/07	04/20/07	09/30/08	KE
IP-PS-07-035	Ba	10,000 mg/mL	CPI	07C169	04/01/07	04/20/07	09/30/08	KE
IP-PS-07-036	Be	10,000 mg/mL	CPI	07A145	04/01/07	04/20/07	~~09/10~~ 04/20/09 / 04/08	KE

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Witnessed & Understood by me, Kristie Batten — Date 04/20/07

Invented by — Date

Recorded by — Date 04/20/07

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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. 22261

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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 ICP 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
IP-MS CLP Spike IP-PS-07-046	Al, Ba/Ca, Mn, Ni, V, Zn Cu / Cr3 Sb/Ag, Be, Cd, Tl As/Pb/Se	200 ug/mL / 50 ug/mL 25 ug/mL / 20 ug/mL 10 ug/mL / 5 ug/mL 4 ug/mL / 2 ug/mL / 1 ug/mL	Inorganic Ventures	A2-MEB194119	05/29/07	05/29/07	06/01/08	KB
6020 ICP IP-PS-07-047	Bi, Ho, In, Li6, Rh, Sc, Tb, Y	10 ug/mL	Inorganic Ventures	Z-MEB194055	05/29/07	05/29/07	06/01/08	KB
6020 ICP IP-PS-07-048	Bi, Ho, In, Li6, Rh, Sc, Tb, Y	10 ug/mL	Inorganic Ventures	Z-MEB194085	05/29/07	05/29/07	06/01/08	KB
IP-PS-07-049	Li, Sr, Th, U	20 ug/mL	Inorganic Ventures	A2-MEB233016	06/01/07	06/04/07	06/01/08	KB
IP-PS-07-050	B, Mo, Sn, Ti	20 ug/mL	Inorganic Ventures	A2-MEB233017	06/01/07	06/04/07	06/01/08	KB
X-Stream IP-PS-07-051	Ba, Be, Bi, Cr, Co, In, Li, Ni, Pb, U	10 ug/mL	Inorganic Ventures	A2-MEB233018	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							

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Witnessed & Understood by me, [signature] Date 07/19/07

Invented by

Recorded by [signature] Date 07/19/07

Project No. N/A

TITLE DATACHEM LABORATORIES - PRIMARY STANDARDS LOG BOOK

Book No. 2261

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DCL SOLUTION #	ANALYTES	CONCENTRATION	VENDOR	LOT#	DATE REC'D	DATE OPENED	DATE EXPIRES	INIT.
IP-PS-07-099	Fe / Ba, Zn	100 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, Sr, Tl	5 ug/mL						
IP-PS-07-100	Ba, Cr3, Cu, Zn	50 ug/mL	Inorganic Ventures	A2-CICP20089	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
ICP/OES 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
ICP/OES 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
ICP/OES IP-PS-07-105	Mo, Th, U	10 ug/mL	SPEX	36-27AS	09/25/07	10/01/07	09/30/08	KB
ICP/OES IP-PS-07-106	Mo, Sn, Sr, Ti	10 ug/mL	SPEX	5-116S	09/25/07	10/01/07	09/30/08	KB
ICP/MS 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
ICP/OES IP-PS-07-108	Ce	1000 ug/mL	SPEX	13-84CE	09/25/07	10/01/07	09/30/08	KB
ICP/OES IP-PS-07-109	Cs	1000 ug/mL	SPEX	13-86CS	09/25/07	10/01/07	09/30/08	KB
ICP/OES IP-PS-07-110	Ga	1000 ug/mL	SPEX	13-34GA	09/25/07	10/01/07	09/30/08	KB
ICP/OES IP-PS-07-111	Au	1000 ug/mL	SPEX	13-94AU	09/25/07	10/01/07	09/30/08	KB
ICP/OES IP-PS-07-112	Pd	1000 ug/mL	SPEX	13-69PD	09/25/07	10/01/07	09/30/08	KB
ICP/OES IP-PS-07-113	P	1000 ug/mL	SPEX	13-59P	09/25/07	10/01/07	09/30/08	KB
ICP/OES IP-PS-07-114	W	1000 ug/mL	SPEX	13-90W	09/25/07	10/01/07	09/30/08	KB
160.1 TS IP-PS-07-115	Ba, Br, 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						

To Page No. 95

Witnessed & Understood by me

Date 10/01/07

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	INIT.
IP-PS-07-140	ICSA	SEE FACING PAGE	EPA / QATS	PART A (1206)	11/08/07	12/12/07	N/A	KB
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	KB
IP-PS-07-147	SEE FACING PAGE					03/19/08		
IP-PS-07-148						05/09/08		
6020 std IP-PS-07-149	Ag, Al, As, Ba, Be, Co, Cd,	20 µg/mL	Inorganic Ventures	Z-MEB194104	12/17/07	12/17/07	01/01/09	KB
6020 Std IP-PS-07-150	Ca, Cr3, Cu, Fe, K, Mg, Mn, Na,							
	Ni, Pb, Se, Sb, Tl, V, Zn							
10 12/17/07 6020 Std IP-PS-07-151	Ba/Be, Ba, Cr3, Li, Zn	50 µg/mL	Inorganic Ventures	A2-CICP20089	12/17/07	12/17/07	01/01/09	KB
	Ni/Ca, Pb, Sb/V	25 µg/mL / 20 µg/mL / 30 µg/mL						
	Ag, As, Cd/Be, Se, Tl	10 µg/mL / 5 µg/mL						
2350 IP-PS-07-152	Bi, Ho, In, Li, Rh, Sc,	10 µg/mL	Inorganic Ventures	A2-MEB199155	12/17/07	12/07/07	01/01/09	KB
2350 IP-PS-07-153	Tb, Y							
IP-PS-08-001	Li, Rh, Y, Bi, Sc, Ho, Th	10 µg/mL	INORGANIC VENTURES	B2-MEB255592	02/05/08	02/05/08	03/01/09	KE
IP-PS-08-002	In	10 µg/mL	INORGANIC VENTURES	A2-QIN01098	02/05/08	02/05/08	03/01/09	KE
6020 WATER STD IP-PS-08-003	Fe / Ba, Zn	100 µg/mL / 50 µg/mL	INORGANIC VENTURES	Z-MEB194099	02/05/08	02/05/08	03/01/09	KE
	Co, Cr3, Cu, Mn, Ni, Sb, V	20 µg/mL						
	As, Pb	10 µg/mL						
	Ag, Be, Cd, Se, Tl	5 µg/mL						
IP-PS-08-004	Li, Sr, Th, U	20 µg/mL	INORGANIC VENTURES	A2-MEB248045	02/05/08	02/05/08	03/01/09	KE
IP-PS-08-005	B, Mo, Sn, Ti	20 µg/mL	INORGANIC VENTURES	A2-MEB248044	02/05/08	02/05/08	03/01/09	KE
IP-PS-08-006	Ca, Mg, K, Na / Al, Ba	500 µg/mL / 20 µg/mL	INORGANIC VENTURES	KE 02/14/08 Z-MEB194095	02/13/08	02/14/08	03/01/09	KE
	Fe / Sb, Zn	10 µg/mL / 6 µg/mL						
	Co, V / Ni / Se	5 µg/mL / 4 µg/mL / 3.5						
	Cu, Tl / Mn	2.5 µg/mL / 1.5 µg/mL						
	Ag, As, Cr3, Pb / Be, Cd	1.0 µg/mL / 0.5 µg/mL						
IP-PS-08-007	Ag, Al, As, Ba, Be, Cd,	10 µg/mL	SPEX ID 2/29/08 ~~Inorganic Ventures~~	S-11263	02/28/08	02/29/08	02/28/09	KB
	Co, Cr, Cu, Mn, Ni, Pb,							
	Sb, Se, Tl, V, Zn							
CLP-PPL-6 IP-PS-08-008	Sb / Cd, Se, Tl	100 µg/mL / 50 µg/mL	INORGANIC VENTURES	Z-MEB194090	03/10/08	03/10/08	03/01/09	KE
1262	As / Pb	40 µg/mL / 20 µg/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-MEB194075	03/10/08	03/10/08	03/01/09	KS
	Co, Mn, Ni, V, Zn / Cu	500 µg/mL / 250 µg/mL						
1761	Cr3 / Ag, Be	200 µg/mL / 50 µg/mL						
IP-PS-08-010	ICSA (SEE FACING PAG)	SEE FACING PAGE	EPA / RATS	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 / RATS	ICSAB (0205)	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	KS
6020 ISS 03/28/08 IP-PS-08-022	Bi, Ho, In, Li6, Rh, Sc, Tb, Y	10 µg/mL	Inorganic Ventures	A2-MEB194155	03/27/08		04/01/09	KS
6020 ISS 03/28/08 IP-PS-08-023								
6020 ISS 03/28/08 IP-PS-08-024								
IMO8023 (1879) IP-PS-08-025	Ag	1000 µg/mL	CPI	07H114	5/1/08	5/1/08	10/28/09	RKA
IMO8024 (1883) IP-PS-08-026	Sb	10,000 µg/mL	CPI	07F023	5/1/08		10/28/09	RKA
IMO8025 (1886) IP-PS-08-027	Ba	10,000 µg/mL	CPI	07C169	5/1/08		10/28/09	RKA
IP-PS-08-028	K	10,000 µg/mL	CPI	08C049	5/1/08		10/28/09	RKA
IMO8026 (1886) IP-PS-08-029	W	1000 µg/mL	CPI	07I208	5/1/08		10/28/09	RKA
IMO8027 (1887) IP-PS-08-030	Pt	10,000 µg/mL	CPI	07D260	5/1/08		10/28/09	RKA
IMO8028 (1888) IP-PS-08-031	Na	10,000 µg/mL	CPI	08A030	5/1/08		10/28/09	RKA
IMO8029 (1889) IP-PS-08-032	Ti	10,000 µg/mL	CPI	08A002	5/1/08		10/28/09	RKA
IMO8030 (1890) IP-PS-08-033	Be	10,000 µg/mL	CPI	07F218	5/1/08		10/28/09	RKA
IMO8031 (1891) IP-PS-08-034	Al	10,000 µg/mL	CPI	08C004	5/1/08		10/28/09	RKA
IMO8032 (1892) IP-PS-08-035	Fe	10,000 µg/mL	CPI	08B059	5/1/08		10/28/09	RKA
IMO8033 (1893) IP-PS-08-036	Zr	1,000 µg/mL	CPI	08A083	5/1/08		10/28/09	RKA
IMO8034 (1894) IP-PS-08-037	Ni	10,000 µg/mL	CPI	08A040	5/1/08		10/28/09	RKA
IMO8035 (1895) IP-PS-08-038	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

Project No. NA

TITLE DATACHEM LABORATORIES - PRIMARY STANDARDS LOGBOOK 6/18/08 RKA

Book No. 2261

From Page No. 97

DCL SOLUTION #	ANALYTES	CONCENTRATION	VENDOR	LOT#	DATE REC'D	DATE OPENED	DATE EXPIRES	INT
IM080037 (1897) IP-PS-08-039	As	10,000 ug/mL	CPI	07H102	5/1/08	5/1/08	10/28/09	RKA
IM080381 (1898) IP-PS-08-040	Si	10,000 ug/mL	CPI	07D206	5/1/08	5/1/08	10/28/09	RKA
CRI-MS IP-PS-08-041	Ba / Se, V	10 ug/mL / 5 ug/mL	Inorganic Ventures	A2-MSB194150	05/05/08	05/05/08	06/01/09	KB
	Cr3, Cu, Sb, Zn	2 ug/mL						
	Ag, As, Be, Cd, Co, Mn,	1 ug/mL						
	Ni, Pb, Tl							
CLP-MS-SPK IP-PS-08-042	Al, Ba	200 ug/mL	Inorganic Ventures	A2-MSB194119	05/05/08	05/05/08	06/01/09	KB
	Co, Mn, Ni, V, Zn	50 ug/mL						
	Cu / Cr3	25 ug/mL / 20 ug/mL						
	Sb / Ag, Be, Cd, Tl	10 ug/mL / 5 ug/mL						
	As / Pb	4 ug/mL / 2 ug/mL						
	Se	1 ug/mL						
IM080039 (1899) IP-PS-08-043	Cr	10,000 ug/mL	CPI	07I020	5/6/08	5/6/08	11/2/09	RKA
IM080042 (1902) IP-PS-08-044	Bi	10,000 ug/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,	10 ug/mL	Inorganic Ventures	B2-MSB265024	05/08/08	05/13/08	06/01/09	KB
	Ni, Pb, U							
ICP-MS CLP ICSA IP-PS-08-060	See p.91 facing page	See p.91 facing page	EPA/QATS	Part A ICS-ms (0803)	04/17/08		NA	KB
IP-PS-08-061	See p.91 facing page	See p.91 facing page	EPA/QATS	Part B ICS-ms (0803)	04/17/08		NA	KB
IP-PS-08-062	Pb	1,000 ug/mL	CPI	08D051	05/20/08	06/04/08	11/16/09	gcs
(6020 Cal) IP-PS-08-063	Ag, Al, As, Ba, Be, Ca, Cd, Cr6, Cr3,	20 ug/mL	Inorganic Ventures	Z-MSB194104	06/17/08	06/18/08	07/01/09	KB
	Cu, Fe, K, Mg, Mn, Na, Ni, Pb,							
	Sb, Se, Tl, V, Zn							

To Page No. 99

Witnessed & Understood by me, Joanna C. Sanchez

Date 6/27/08

Invented by

Recorded by Kristie Butler

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

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-----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
Computer Sciences Corporation (CSC)
703.818.4248

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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.

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Please let me know if you have any questions or problems.
Thank you,

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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
Computer Sciences Corporation (CSC)
703.818.4248

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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