COMPLETE SAMPLE DELIVERY GROUP FILE (CSF)
CHAIN OF CUSTODY FORM

U.S. Environmental Protection Agency
Region 8 Superfund Program
Contract Laboratory Program (CLP)

1085991 - R8 SDMS

Audit Number: 10 | Site Name: Richardson Flat Tailings

Date CSF Received: 9/11/2008 | Site Manager: Kathryn Hernandez

Received By: Don Goodrich | Case Number: 37402

Lab Name: Data Chem | SDG Number: MH2599

Lab Location: Salt Lake City, UT | Number of Samples: 19

CLP Lab Code: DATAC | Resubmitted CSF: Yes ____ No X

CSF Relinquished By:

Print Name	Date	Signature
Don Goodrich	10/2/2008	

CSF Received By:

Print Name	Date	Signature

CSF Relinquished By:

Print Name	Date	Signature

CSF Received By:

Print Name	Date	Signature

CSF Relinquished By:

Print Name	Date	Signature

CSF Received By:

Print Name	Date	Signature

CSF Relinquished By:

Print Name	Date	Signature

CSF Received By:

Print Name	Date	Signature

CSF Relinquished By:

Print Name	Date	Signature

CSF Received By:

Print Name	Date	Signature

CSF Relinquished By:

Print Name	Date	Signature

CSF Received By:

Print Name	Date	Signature

CSF Relinquished By:

Print Name	Date	Signature

CSF Received By:

Print Name	Date	Signature

CSF Relinquished By:

Print Name	Date	Signature

CSF Received By:

Print Name	Date	Signature

CSF Relinquished By:

Print Name	Date	Signature

CSF Received By:

Print Name	Date	Signature

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA Sample No.
MH2599

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

Matrix: (soil/water) WATER Lab Sample ID: 8171001001

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	35.1			MS
7440-36-0	Antimony	3.0			MS
7440-38-2	Arsenic	4.1			MS
7440-39-3	Barium	41.1			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	0.082	J		MS
7440-70-2	Calcium	163000			MS
7440-47-3	Chromium	0.37	J		MS
7440-48-4	Cobalt	0.59	J		MS
7440-50-8	Copper	1.7	J		MS
7439-89-6	Iron	1560			MS
7439-92-1	Lead	0.59	J		MS
7439-95-4	Magnesium	37400			MS
7439-96-5	Manganese	92.4			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	4.0		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.56	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	0.60	J		MS
7440-66-6	Zinc	16.4			MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

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

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA Sample No.
MH25A0

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

Matrix: (soil/water) WATER Lab Sample ID: 8171001002

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	6.9			MS
7440-38-2	Arsenic	6.3			MS
7440-39-3	Barium	55.6			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	5.9			MS
7440-70-2	Calcium	155000			MS
7440-47-3	Chromium	0.43	J		MS
7440-48-4	Cobalt	0.72	J		MS
7440-50-8	Copper	6.0			MS
7439-89-6	Iron	1540			MS
7439-92-1	Lead	23.3			MS
7439-95-4	Magnesium	34800			MS
7439-96-5	Manganese	180			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	5.2		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.74	J		MS
7440-22-4	Silver	0.092	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.48	J		MS
7440-62-2	Vanadium	0.54	J		MS
7440-66-6	Zinc	1140			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.
MH25A2

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

Matrix: (soil/water) WATER Lab Sample ID: 8171001004

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	3.6	J		MS
7440-36-0	Antimony	8.3			MS
7440-38-2	Arsenic	6.2			MS
7440-39-3	Barium	59.4			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	9.3			MS
7440-70-2	Calcium	161000			MS
7440-47-3	Chromium	0.39	J		MS
7440-48-4	Cobalt	0.90	J		MS
7440-50-8	Copper	6.1			MS
7439-89-6	Iron	1670			MS
7439-92-1	Lead	10.8			MS
7439-95-4	Magnesium	37700			MS
7439-96-5	Manganese	272			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	5.4		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.82	J		MS
7440-22-4	Silver	0.085	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.71	J		MS
7440-62-2	Vanadium	0.35	J		MS
7440-66-6	Zinc	1620			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.
MH25A3

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

Matrix: (soil/water) WATER Lab Sample ID: 8171001005

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	5.5	J		MS
7440-36-0	Antimony	7.9			MS
7440-38-2	Arsenic	6.6			MS
7440-39-3	Barium	58.4			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	7.4			MS
7440-70-2	Calcium	160000			MS
7440-47-3	Chromium	0.34	J		MS
7440-48-4	Cobalt	0.92	J		MS
7440-50-8	Copper	5.4			MS
7439-89-6	Iron	1560			MS
7439-92-1	Lead	8.1			MS
7439-95-4	Magnesium	37500			MS
7439-96-5	Manganese	245			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	5.2		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.86	J		MS
7440-22-4	Silver	0.091	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.62	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.
MH25A4

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

Matrix: (soil/water) WATER Lab Sample ID: 8171001006

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	5.0	J		MS
7440-36-0	Antimony	8.0			MS
7440-38-2	Arsenic	9.4			MS
7440-39-3	Barium	58.8			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	4.4			MS
7440-70-2	Calcium	153000			MS
7440-47-3	Chromium	0.39	J		MS
7440-48-4	Cobalt	0.91	J		MS
7440-50-8	Copper	4.8			MS
7439-89-6	Iron	1600			MS
7439-92-1	Lead	8.3			MS
7439-95-4	Magnesium	35000			MS
7439-96-5	Manganese	185			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	4.8		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.99	J		MS
7440-22-4	Silver	0.089	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.54	J		MS
7440-62-2	Vanadium	0.39	J		MS
7440-66-6	Zinc	613			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.
MH25A6

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

Matrix: (soil/water) WATER Lab Sample ID: 8171001007

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	14.4			MS
7440-38-2	Arsenic	6.3			MS
7440-39-3	Barium	45.5			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	18.8			MS
7440-70-2	Calcium	291000		D	MS
7440-47-3	Chromium	0.38	J		MS
7440-48-4	Cobalt	4.8			MS
7440-50-8	Copper	9.9			MS
7439-89-6	Iron	3170			MS
7439-92-1	Lead	44.3			MS
7439-95-4	Magnesium	66200			MS
7439-96-5	Manganese	487			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	14.1		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.60	J		MS
7440-22-4	Silver	0.13	J		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	3760			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.
MH25A7

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

Matrix: (soil/water) WATER Lab Sample ID: 8171001008

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	103			MS
7440-36-0	Antimony	8.2			MS
7440-38-2	Arsenic	6.2			MS
7440-39-3	Barium	65.3			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	5.4			MS
7440-70-2	Calcium	136000			MS
7440-47-3	Chromium	0.50	J		MS
7440-48-4	Cobalt	1.2			MS
7440-50-8	Copper	6.3			MS
7439-89-6	Iron	1670			MS
7439-92-1	Lead	49.4			MS
7439-95-4	Magnesium	30500			MS
7439-96-5	Manganese	450			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	5.2		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.1	J		MS
7440-22-4	Silver	0.20	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.34	J		MS
7440-62-2	Vanadium	0.44	J		MS
7440-66-6	Zinc	1070			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.
MH25A9

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

Matrix: (soil/water) WATER Lab Sample ID: 8171001009

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	6.0	J		MS
7440-36-0	Antimony	5.7			MS
7440-38-2	Arsenic	3.2			MS
7440-39-3	Barium	108			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	19.4			MS
7440-70-2	Calcium	214000			MS
7440-47-3	Chromium	0.42	J		MS
7440-48-4	Cobalt	3.5			MS
7440-50-8	Copper	10.2			MS
7439-89-6	Iron	2430			MS
7439-92-1	Lead	9.1			MS
7439-95-4	Magnesium	53500			MS
7439-96-5	Manganese	286			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	11.1		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.66	J		MS
7440-22-4	Silver	0.13	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.84	J		MS
7440-62-2	Vanadium	5.0	U		MS
7440-66-6	Zinc	2830			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.
MH25B0

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

Matrix: (soil/water) WATER Lab Sample ID: 817100101.0

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	36.9			MS
7440-36-0	Antimony	6.6			MS
7440-38-2	Arsenic	3.9			MS
7440-39-3	Barium	59.3			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	14.2			MS
7440-70-2	Calcium	143000			MS
7440-47-3	Chromium	0.46	J		MS
7440-48-4	Cobalt	4.2			MS
7440-50-8	Copper	5.1			MS
7439-89-6	Iron	1630			MS
7439-92-1	Lead	22.0			MS
7439-95-4	Magnesium	32600			MS
7439-96-5	Manganese	738			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	8.0		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.4	J		MS
7440-22-4	Silver	0.080	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.64	J		MS
7440-62-2	Vanadium	0.41	J		MS
7440-66-6	Zinc	3860			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.
MH25B1

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

Matrix: (soil/water) WATER Lab Sample ID: 8171001011

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	95.1			MS
7440-36-0	Antimony	7.3			MS
7440-38-2	Arsenic	4.9			MS
7440-39-3	Barium	60.9			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	3.5			MS
7440-70-2	Calcium	121000			MS
7440-47-3	Chromium	0.63	J		MS
7440-48-4	Cobalt	0.79	J		MS
7440-50-8	Copper	5.5			MS
7439-89-6	Iron	1530			MS
7439-92-1	Lead	58.0			MS
7439-95-4	Magnesium	27100			MS
7439-96-5	Manganese	237			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	4.3		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.3	J		MS
7440-22-4	Silver	0.19	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	0.54	J		MS
7440-66-6	Zinc	823			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.
MH25B2

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

Matrix: (soil/water) WATER Lab Sample ID: 8171001012

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	32.9			MS
7440-36-0	Antimony	4.8			MS
7440-38-2	Arsenic	3.0			MS
7440-39-3	Barium	94.3			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	3.3			MS
7440-70-2	Calcium	164000			MS
7440-47-3	Chromium	0.85	J		MS
7440-48-4	Cobalt	1.1			MS
7440-50-8	Copper	3.3			MS
7439-89-6	Iron	1710			MS
7439-92-1	Lead	4.5			MS
7439-95-4	Magnesium	36900			MS
7439-96-5	Manganese	203			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	5.0		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.87	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	0.83	J		MS
7440-66-6	Zinc	769			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.
MH25B3

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

Matrix: (soil/water) WATER Lab Sample ID: 8171001013

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	63.9			MS
7440-36-0	Antimony	7.4			MS
7440-38-2	Arsenic	5.6			MS
7440-39-3	Barium	57.2			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	3.6			MS
7440-70-2	Calcium	119000			MS
7440-47-3	Chromium	0.52	J		MS
7440-48-4	Cobalt	0.72	J		MS
7440-50-8	Copper	6.3			MS
7439-89-6	Iron	1420			MS
7439-92-1	Lead	75.2			MS
7439-95-4	Magnesium	26500			MS
7439-96-5	Manganese	216			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	4.0		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.5	J		MS
7440-22-4	Silver	0.24	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	0.63	J		MS
7440-66-6	Zinc	798			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.
MH25B4

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

Matrix: (soil/water) WATER Lab Sample ID: 8171001014

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	25.6			MS
7440-36-0	Antimony	3.4			MS
7440-38-2	Arsenic	4.8			MS
7440-39-3	Barium	63.4			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	0.22	J		MS
7440-70-2	Calcium	255000		D	MS
7440-47-3	Chromium	0.40	J		MS
7440-48-4	Cobalt	1.1			MS
7440-50-8	Copper	1.9	J		MS
7439-89-6	Iron	2730			MS
7439-92-1	Lead	10.6			MS
7439-95-4	Magnesium	54600			MS
7439-96-5	Manganese	1820			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	6.7		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.72	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	0.86	J		MS
7440-66-6	Zinc	184			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.
MH25B5

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

Matrix: (soil/water) WATER Lab Sample ID: 8171001015

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	17.3	J		MS
7440-36-0	Antimony	3.2			MS
7440-38-2	Arsenic	4.5			MS
7440-39-3	Barium	62.9			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	0.20	J		MS
7440-70-2	Calcium	249000			MS
7440-47-3	Chromium	0.41	J		MS
7440-48-4	Cobalt	1.1			MS
7440-50-8	Copper	1.4	J		MS
7439-89-6	Iron	2800			MS
7439-92-1	Lead	8.4			MS
7439-95-4	Magnesium	53800			MS
7439-96-5	Manganese	1800			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	7.0		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.58	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	0.82	J		MS
7440-66-6	Zinc	178			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.
MH25B6

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

Matrix: (soil/water) WATER Lab Sample ID: 8171001016

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	115			MS
7440-36-0	Antimony	7.6			MS
7440-38-2	Arsenic	5.2			MS
7440-39-3	Barium	57.7			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	3.6			MS
7440-70-2	Calcium	115000			MS
7440-47-3	Chromium	0.62	J		MS
7440-48-4	Cobalt	0.71	J		MS
7440-50-8	Copper	5.6			MS
7439-89-6	Iron	1480			MS
7439-92-1	Lead	58.7			MS
7439-95-4	Magnesium	25500			MS
7439-96-5	Manganese	172			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	4.2		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.3	J		MS
7440-22-4	Silver	0.30	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	0.76	J		MS
7440-66-6	Zinc	785			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.
MH25B7

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

Matrix: (soil/water) WATER Lab Sample ID: 8171001017

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	273			MS
7440-36-0	Antimony	10.1			MS
7440-38-2	Arsenic	10.7			MS
7440-39-3	Barium	57.3			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	5.5			MS
7440-70-2	Calcium	95100			MS
7440-47-3	Chromium	0.96	J		MS
7440-48-4	Cobalt	1.0			MS
7440-50-8	Copper	16.9			MS
7439-89-6	Iron	1830			MS
7439-92-1	Lead	241			MS
7439-95-4	Magnesium	20300			MS
7439-96-5	Manganese	215			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	4.1		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.3	J		MS
7440-22-4	Silver	0.48	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	1.1	J		MS
7440-66-6	Zinc	1170			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.
MH25B8

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

Matrix: (soil/water) WATER Lab Sample ID: 8171001018

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	148			MS
7440-36-0	Antimony	8.5			MS
7440-38-2	Arsenic	7.1			MS
7440-39-3	Barium	58.5			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	4.6			MS
7440-70-2	Calcium	110000			MS
7440-47-3	Chromium	0.75	J		MS
7440-48-4	Cobalt	0.76	J		MS
7440-50-8	Copper	8.8			MS
7439-89-6	Iron	1550			MS
7439-92-1	Lead	112			MS
7439-95-4	Magnesium	24100			MS
7439-96-5	Manganese	184			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	0.36	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	0.77	J		MS
7440-66-6	Zinc	859			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.
MH25C0

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

Matrix: (soil/water) WATER Lab Sample ID: 8171001019

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	262			MS
7440-36-0	Antimony	7.1			MS
7440-38-2	Arsenic	6.0			MS
7440-39-3	Barium	54.8			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	4.2			MS
7440-70-2	Calcium	90500			MS
7440-47-3	Chromium	0.91	J		MS
7440-48-4	Cobalt	0.79	J		MS
7440-50-8	Copper	8.4			MS
7439-89-6	Iron	1460			MS
7439-92-1	Lead	73.7			MS
7439-95-4	Magnesium	18700			MS
7439-96-5	Manganese	171			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	3.8		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.2	J		MS
7440-22-4	Silver	0.34	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	1.0	J		MS
7440-66-6	Zinc	918			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.
MH25C4

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

Matrix: (soil/water) WATER Lab Sample ID: 8171001020

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	12.2	J		MS
7440-36-0	Antimony	1.1	J		MS
7440-38-2	Arsenic	0.69	J		MS
7440-39-3	Barium	23.8			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	68.6			MS
7440-70-2	Calcium	389000		D	MS
7440-47-3	Chromium	0.48	J		MS
7440-48-4	Cobalt	1.7			MS
7440-50-8	Copper	3.9			MS
7439-89-6	Iron	3640			MS
7439-92-1	Lead	6.8			MS
7439-95-4	Magnesium	48200			MS
7439-96-5	Manganese	521			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	24.2		E	MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	3.7	J		MS
7440-22-4	Silver	0.72	J		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	8880		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.

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.: MH2599

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	506.96	102	250.00	264.71	106	243.67	97	MS
Antimony	198.00	195.87	99	250.00	242.36	97	241.75	97	MS
Arsenic	199.00	194.72	98	250.00	242.22	97	242.29	97	MS
Barium	100.00	98.25	98	250.00	241.00	96	240.97	96	MS
Beryllium	99.00	96.85	98	250.00	249.84	100	249.29	100	MS
Cadmium	99.00	98.03	99	250.00	245.00	98	244.40	98	MS
Calcium	2036.00	2041.00	100	1000.00	999.22	100	996.23	100	MS
Chromium	98.00	95.09	97	250.00	241.06	96	239.29	96	MS
Cobalt	99.00	96.54	98	250.00	243.39	97	241.42	97	MS
Copper	98.00	96.65	99	250.00	240.97	96	239.16	96	MS
Iron	1021.00	1027.10	101	1000.00	1028.30	103	995.93	100	MS
Lead	199.00	196.36	99	250.00	240.91	96	240.40	96	MS
Magnesium	1201.00	1234.70	103	1000.00	1064.70	106	1019.90	102	MS
Manganese	99.00	96.19	97	250.00	243.29	97	241.17	96	MS
Mercury									NR
Nickel	98.00	98.12	100	250.00	243.54	97	241.05	96	MS
Potassium									NR
Selenium	201.00	202.82	101	250.00	244.43	98	246.17	98	MS
Silver	99.00	95.02	96	250.00	240.84	96	240.60	96	MS
Sodium									NR
Thallium	205.00	197.41	96	250.00	237.08	95	236.49	95	MS
Vanadium	100.00	96.97	97	250.00	243.24	97	242.23	97	MS
Zinc	200.00	200.11	100	250.00	244.99	98	243.18	97	MS
Cyanide									NR

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

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.: MH2599

Initial Calibration Verification Source: _____

Continuing Calibration Verification Source: I.V.

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				250.00	247.20	99	242.84	97	MS
Antimony				250.00	242.17	97	242.34	97	MS
Arsenic				250.00	244.96	98	243.63	97	MS
Barium				250.00	241.31	97	243.41	97	MS
Beryllium				250.00	251.01	100	250.01	100	MS
Cadmium				250.00	244.87	98	244.41	98	MS
Calcium				1000.00	988.94	99	1017.10	102	MS
Chromium				250.00	239.26	96	239.00	96	MS
Cobalt				250.00	242.17	97	240.82	96	MS
Copper				250.00	239.79	96	238.13	95	MS
Iron				1000.00	990.78	99	980.52	98	MS
Lead				250.00	240.18	96	240.02	96	MS
Magnesium				1000.00	1019.00	102	1014.30	101	MS
Manganese				250.00	242.10	97	240.54	96	MS
Mercury									NR
Nickel				250.00	243.19	97	241.12	96	MS
Potassium									NR
Selenium				250.00	247.29	99	247.88	99	MS
Silver				250.00	240.77	96	239.38	96	MS
Sodium									NR
Thallium				250.00	236.17	94	235.93	94	MS
Vanadium				250.00	242.12	97	241.02	96	MS
Zinc				250.00	246.32	99	243.84	98	MS
Cyanide									NR

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

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.: MH2599

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	242.39	97			MS
Antimony				250.00	242.90	97			MS
Arsenic				250.00	243.47	97			MS
Barium				250.00	244.29	98			MS
Beryllium				250.00	248.88	100			MS
Cadmium				250.00	244.18	98			MS
Calcium				1000.00	987.07	99			MS
Chromium				250.00	239.60	96			MS
Cobalt				250.00	241.39	97			MS
Copper				250.00	239.09	96			MS
Iron				1000.00	987.65	99			MS
Lead				250.00	239.93	96			MS
Magnesium				1000.00	1001.80	100			MS
Manganese				250.00	241.32	97			MS
Mercury									NR
Nickel				250.00	242.16	97			MS
Potassium									NR
Selenium				250.00	245.96	98			MS
Silver				250.00	239.91	96			MS
Sodium									NR
Thallium				250.00	235.36	94			MS
Vanadium				250.00	241.35	97			MS
Zinc				250.00	244.48	98			MS
Cyanide									NR

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

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.: MH2599

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									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium	2036.00	2029.30	100	1000.00	1026.10	103	1039.50	104	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	200.00	201.20	101	250.00	248.21	99	249.43	100	MS
Cyanide									NR

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

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.: MH2599

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									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium	2036.00	2035.20	100	1000.00	1010.30	101	967.34	97	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

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.: MH2599

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	967.17	97			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.: MH2599

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	2.06	103	1.86J	93
Arsenic	1.00	0.95J	95	0.89J	89
Barium	10.00	9.80J	98	9.42J	94
Beryllium	1.00	1.00	100	1.01	101
Cadmium	1.00	1.02	102	0.96J	96
Calcium					
Chromium	2.00	1.90J	95	1.83J	92
Cobalt	1.00	0.98J	98	0.91J	91
Copper	2.00	1.96J	98	1.90J	95
Iron					
Lead	1.00	0.97J	97	0.96J	96
Magnesium					
Manganese	1.00	0.96J	96	0.96J	96
Mercury					
Nickel	1.00	0.98J	98	0.96J	96
Potassium					
Selenium	5.00	5.02	100	4.76J	95
Silver	1.00	0.94J	94	0.95J	95
Sodium					
Thallium	1.00	0.94J	94	0.87J	87
Vanadium	5.00	4.81J	96	4.64J	93
Zinc	2.00	1.84J	92	2.33	117
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).

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.: MH2599

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			1.99J	100
Arsenic	1.00			0.94J	94
Barium	10.00			9.50J	95
Beryllium	1.00			1.01	101
Cadmium	1.00			0.96J	96
Calcium					
Chromium	2.00			1.84J	92
Cobalt	1.00			0.92J	92
Copper	2.00			1.81J	91
Iron					
Lead	1.00			0.93J	93
Magnesium					
Manganese	1.00			0.93J	93
Mercury					
Nickel	1.00			0.94J	94
Potassium					
Selenium	5.00			4.91J	98
Silver	1.00			0.92J	92
Sodium					
Thallium	1.00			0.87J	87
Vanadium	5.00			4.64J	93
Zinc	2.00			1.92J	96
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.: MH2599

CRQL Check Standard Source: I.V.

Concentration Units: ug/L

	CRDL Check Standard				
	Initial			Final	
Analyte	True	Found*	%R(1)	Found*	%R(1)
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Mercury					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc	2.00	1.91J	96	2.65	133
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).

3-IN
BLANKS

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

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	13.958	J	20.000	U	20.000	U	20.000	U	MS
Antimony	0.446	J	0.442	J	0.415	J	0.375	J	0.130	J	MS
Arsenic	1.000	U	0.095	J	1.000	U	0.096	J	1.000	U	MS
Barium	0.056	J	0.081	J	0.057	J	0.059	J	10.000	U	MS
Beryllium	0.053	J	0.072	J	0.051	J	0.035	J	1.000	U	MS
Cadmium	0.052	J	0.073	J	0.051	J	0.040	J	1.000	U	MS
Calcium	500.000	U	16.904	J	11.715	J	6.949	J	12.771	J	MS
Chromium	2.000	U	0.078	J	2.000	U	2.000	U	0.292	J	MS
Cobalt	0.056	J	0.068	J	0.051	J	0.038	J	1.000	U	MS
Copper	0.093	J	0.239	J	0.055	J	0.054	J	0.116	J	MS
Iron	-5.057	J	7.594	J	-6.513	J	10.000	U	-9.574	J	MS
Lead	0.072	J	0.080	J	0.067	J	0.047	J	1.000	U	MS
Magnesium	500.000	U	14.705	J	3.729	J	1.582	J	500.000	U	MS
Manganese	0.030	J	0.049	J	0.062	J	0.037	J	1.000	U	MS
Mercury											NR
Nickel	1.000	U	0.066	J	1.000	U	1.000	U	1.000	U	MS
Potassium											NR
Selenium	5.000	U	0.228	J	5.000	U	0.254	J	5.000	U	MS
Silver	1.000	U	0.025	J	1.000	U	1.000	U	1.000	U	MS
Sodium											NR
Thallium	0.079	J	0.081	J	0.036	J	0.027	J	1.000	U	MS
Vanadium	0.053	J	0.078	J	0.057	J	0.043	J	5.000	U	MS
Zinc	2.000	U	2.000	U	2.000	U	0.196	J	1.255	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.: MH2599

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	20.000	U					MS
Antimony			0.389	J	0.412	J					MS
Arsenic			1.000	U	1.000	U					MS
Barium			0.051	J	0.050	J					MS
Beryllium			0.050	J	0.057	J					MS
Cadmium			0.053	J	0.043	J					MS
Calcium			12.664	J	7.603	J					MS
Chromium			2.000	U	0.042	J					MS
Cobalt			0.049	J	0.048	J					MS
Copper			2.000	U	2.000	U					MS
Iron			-3.908	J	-3.385	J					MS
Lead			0.063	J	0.051	J					MS
Magnesium			3.193	J	1.914	J					MS
Manganese			0.066	J	0.066	J					MS
Mercury											NR
Nickel			1.000	U	1.000	U					MS
Potassium											NR
Selenium			0.170	J	5.000	U					MS
Silver			1.000	U	1.000	U					MS
Sodium											NR
Thallium			0.026	J	0.034	J					MS
Vanadium			0.048	J	0.053	J					MS
Zinc			0.146	J	0.176	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.: MH2599

Preparation Blank Matrix (soil/water): _____

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

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium	4.491	J	8.628	J	20.206	J					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	2.000	U	2.000	U	0.153	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.: MH2599

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											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium	4.612	J	21.116	J	5.092	J	9.661	J			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

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.: MH2599

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	95400	95	95200	95
Antimony	1.5	22.0	1.3	87	20.7	94
Arsenic	0.10	19.0	-0.17	170	18.9	99
Barium	1.2	22.0	1.5	125	21.8	99
Beryllium	0.0	19.0	0.31		18.8	99
Cadmium	0.70	20.0	3.5	500	21.6	108
Calcium	100000	100000	113000	113	114000	114
Carbon						
Chloride						
Chromium	21.0	40.0	19.8	94	39.1	98
Cobalt	1.0	20.0	1.5	150	20.8	104
Copper	8.0	25.0	8.5	106	26.2	105
Iron	100000	100000	115000	115	114000	114
Lead	4.0	25.0	4.4	110	24.5	98
Magnesium	100000	100000	105000	105	107000	107
Manganese	7.0	27.0	7.7	110	27.4	101
Molybdenum						
Nickel	6.0	24.0	7.6	127	26.1	109
Phosphorus						
Potassium						
Selenium	0.30	19.0	-2.9	967	15.9	84
Silver	0.0	18.0	0.059		17.4	97
Sodium						
Sulfur						
Thallium	0.0	21.0	0.033		20.0	95
Titanium						
Vanadium	0.50	19.0	0.40	80	20.4	107
Zinc	11.0	29.0	13.5	123	29.1	100

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.: MH2599

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						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium	100000	100000	112000	112	111000	111
Carbon						
Chloride						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silver						
Sodium						
Sulfur						
Thallium						
Titanium						
Vanadium						
Zinc	11.0	29.0	11.7	106	29.2	101

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.: MH2599

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						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium	100000	100000	110000	110	110000	110
Carbon						
Chloride						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silver						
Sodium						
Sulfur						
Thallium						
Titanium						
Vanadium						
Zinc						

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.: MH2599

Solid LCS Source: _____

Aqueous LCS Source: EPA-1(1201)

Analyte	Aqueous (ug/L)			Solid (mg/kg)					
	True	Found	%R	True	Found	C	Limits		%R
Aluminum	496.0	512.20	103						
Antimony	198.0	198.59	100						
Arsenic	199.0	191.03	96						
Barium	100.0	96.41	96						
Beryllium	99.0	96.96	98						
Cadmium	99.0	97.79	99						
Calcium	2036.0	2074.00	102						
Chromium	98.0	93.88	96						
Cobalt	99.0	96.49	97						
Copper	98.0	95.90	98						
Iron	1021.0	1037.20	102						
Lead	199.0	196.27	99						
Magnesium	1201.0	1320.20	110						
Manganese	99.0	95.66	97						
Mercury									
Nickel	98.0	96.59	99						
Potassium									
Selenium	201.0	197.66	98						
Silver	99.0	94.98	96						
Sodium									
Thallium	205.0	197.67	96						
Vanadium	100.0	96.25	96						
Zinc	200.0	198.73	99						
Cyanide									

USEPA - CLP

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA Sample No.

MH2599L

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

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	35.13		39.35	J	12		MS
Antimony	2.99		3.10	J	4		MS
Arsenic	4.09		4.60	J	12		MS
Barium	41.14		42.18	J	3		MS
Beryllium	1.00	U	5.00	U			MS
Cadmium	0.08	J	0.10	J	25		MS
Calcium	162910.00		157900.00		3		MS
Chromium	0.37	J	0.43	J	16		MS
Cobalt	0.59	J	0.61	J	3		MS
Copper	1.75	J	2.01	J	15		MS
Iron	1560.70		1674.20		7		MS
Lead	0.59	J	0.62	J	5		MS
Magnesium	37360.00		38082.00		2		MS
Manganese	92.40		95.15		3		MS
Nickel	4.03		4.66	J	16	E	MS
Potassium							NR
Selenium	0.56	J	1.17	J	109		MS
Silver	1.00	U	5.00	U			MS
Sodium							NR
Thallium	1.00	U	5.00	U			MS
Vanadium	0.60	J	25.00	U	100		MS
Zinc	16.41		17.08		4		MS

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.: MH2599

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.: MH2599

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.: MH2599

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:

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.: MH2599

Preparation Method: HW3

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
PBW	06/26/2008		50
LCSW	06/26/2008		50
MH2599	06/26/2008		50
MH25A0	06/26/2008		50
MH25A2	06/26/2008		50
MH25A3	06/26/2008		50
MH25A4	06/26/2008		50
MH25A6	06/26/2008		50
MH25A7	06/26/2008		50
MH25A9	06/26/2008		50
MH25B0	06/26/2008		50
MH25B1	06/26/2008		50
MH25B2	06/26/2008		50
MH25B3	06/26/2008		50
MH25B4	06/26/2008		50
MH25B5	06/26/2008		50
MH25B6	06/26/2008		50
MH25B7	06/26/2008		50
MH25B8	06/26/2008		50
MH25C0	06/26/2008		50
MH25C4	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.: MH2599

Instrument ID: ICPM02 Analysis Method: MS

Start Date: 07/07/2008 End Date: 07/08/2008

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	2247																										
S0	1.0	2321	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
S2	1.0	2327	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
S5	1.0	2333	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
S10	1.0	2339	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
S50	1.0	2345	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
S200	1.0	2351	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
S500	1.0	2357	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
S1000	1.0	0003	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
S1500	1.0	0009	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
S2000	1.0	0014	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
ICV	1.0	0020	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
ICB	1.0	0026	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
CRII	1.0	0032		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
ICSA	1.0	0038	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
ICSAB	1.0	0044	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
CCV	1.0	0050	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
CCB	1.0	0056	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
PBW	1.0	0102	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
LCSW	1.0	0108	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH2599	1.0	0114	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH2599L	5.0	0120	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH25A0	1.0	0126	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH25A2	1.0	0132	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH25A3	1.0	0137	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH25A4	1.0	0143	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH25A6	1.0	0149	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X			
BLANK	1.0	0155																										
CCV2	1.0	0201	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
CCB2	1.0	0207	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH25A7	1.0	0213	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH25A9	1.0	0219	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH25B0	1.0	0225	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH25B1	1.0	0231	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
MH25B2	1.0	0237	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
BLANK	1.0	0243																										

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.: MH2599

Instrument ID: ICPM02 Analysis Method: MS

Start Date: 07/07/2008 End Date: 07/08/2008

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	0249		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X				
CCV3	1.0	0254	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
CCB3	1.0	0300	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
MH25B3	1.0	0306	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
MH25B4	1.0	0312	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X	X				
MH25B5	1.0	0318	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
MH25B6	1.0	0324	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
MH25B7	1.0	0330	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
MH25B8	1.0	0336	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
MH25C0	1.0	0342	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
MH25C4	1.0	0348	X	X	X	X	X	X		X	X	X	X	X	X	X		X		X	X		X	X					
BLANK	1.0	0354																											
CCV4	1.0	0400	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
CCB4	1.0	0406	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
CRIF2	1.0	0412		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X				
CCV5	1.0	0418	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
CCB5	1.0	0423	X	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.: MH2599

Instrument ID: ICPM02 Analysis Method: MS

Start Date: 07/08/2008 End Date: 07/08/2008

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	0934																										
S0	1.0	0952							X																X			
S2	1.0	0956							X																X			
S5	1.0	1000							X																X			
S10	1.0	1005							X																X			
S50	1.0	1009							X																X			
S200	1.0	1014							X																X			
S500	1.0	1018							X																X			
S1000	1.0	1023							X																X			
S1500	1.0	1027							X																X			
S2000	1.0	1031							X																X			
ICV2	1.0	1036							X																X			
ICB2	1.0	1040							X																X			
CRII2	1.0	1045																							X			
ICSA2	1.0	1049							X																X			
ICSAB2	1.0	1054							X																X			
CCV6	1.0	1058							X																X			
CCB6	1.0	1102							X																X			
ZZZZZZ	1.0	1107																										
MH25B4	2.0	1111							X																			
MH25C4	2.0	1116							X																X			
ZZZZZZ	1.0	1120																										
ZZZZZZ	1.0	1125																										
ZZZZZZ	1.0	1129																										
ZZZZZZ	1.0	1133																										
ZZZZZZ	1.0	1145																										
CRIF3	1.0	1149																							X			
CCV7	1.0	1154							X																X			
CCB7	1.0	1158							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.: MH2599

Instrument ID: ICPM02 Analysis Method: MS

Start Date: 07/09/2008 End Date: 07/09/2008

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	1535																										
S0	1.0	1507							X																			
S2	1.0	1511							X																			
S5	1.0	1515							X																			
S10	1.0	1519							X																			
S50	1.0	1524							X																			
S200	1.0	1528							X																			
S500	1.0	1532							X																			
S1000	1.0	1536							X																			
S1500	1.0	1541							X																			
S2000	1.0	1545							X																			
ICV3	1.0	1549							X																			
ICB3	1.0	1553							X																			
CRII3	1.0	1558																										
ICSA3	1.0	1602							X																			
ICSAB3	1.0	1606							X																			
CCV8	1.0	1610							X																			
CCB8	1.0	1615							X																			
MH25A6	2.0	1619							X																			
ZZZZZZ	1.0	1623																										
ZZZZZZ	1.0	1628																										
ZZZZZZ	1.0	1632																										
ZZZZZZ	1.0	1636																										
ZZZZZZ	1.0	1640																										
ZZZZZZ	1.0	1645																										
CCV9	1.0	1649							X																			
CCB9	1.0	1653							X																			
CRIF4	1.0	1657																										
CCV10	1.0	1702							X																			
CCB10	1.0	1706							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.: MH2599

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	0.8
Mg - 24	23.99	0.71	1.1
Mg - 25	24.99	0.71	0.9
Mg - 26	25.98	0.71	1.2
Co - 59	58.93	0.66	0.9
In - 113	112.90	0.71	1.9
In - 115	114.90	0.71	1.5
Pb - 206	205.97	0.77	1.8
Pb - 207	206.98	0.77	1.9
Pb - 208	207.98	0.77	1.8

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.: MH2599

ICP-MS Instrument ID: ICPM02 Date: 07/08/2008

Element - Mass	Avg. Measured Mass (amu)	Avg. Peak Width at Peak Height (amu)	%RSD
Be - 9	9.01	0.71	0.4
Mg - 24	23.99	0.71	0.5
Mg - 25	24.99	0.71	0.5
Mg - 26	25.98	0.71	0.6
Co - 59	58.93	0.66	0.8
In - 113	112.90	0.71	0.6
In - 115	114.90	0.71	0.8
Pb - 206	205.97	0.77	0.8
Pb - 207	206.98	0.77	0.8
Pb - 208	207.98	0.77	0.8

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.: MH2599

ICP-MS Instrument ID: ICPM02 Start Date: 07/07/2008 End Date: 07/08/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 115In	Q	Element 159Tb	Q
S0	2321	100		100		100		100		100	
S2	2327	99		98		97		96		95	
S5	2333	99		97		95		94		91	
S10	2339	100		98		97		97		97	
S50	2345	100		96		95		95		95	
S200	2351	97		92		91		91		90	
S500	2357	96		90		91		91		90	
S1000	0003	95		88		88		89		89	
S1500	0009	98		91		90		90		88	
S2000	0014	100		94		93		92		92	
ICV	0020	99		93		92		92		91	
ICB	0026	100		95		94		95		95	
CRII	0032	101		94		93		93		91	
ICSA	0038	88		84		81		86		83	
ICSAB	0044	91		89		87		93		92	
CCV	0050	97		98		98		99		101	
CCB	0056	98		101		100		100		102	
PBW	0102	102		100		100		100		103	
LCSW	0108	102		99		99		101		105	
MH2599	0114	96		93		90		89		95	
MH2599L	0120	99		93		91		92		95	
MH25A0	0126	97		92		89		87		93	
MH25A2	0132	97		92		89		88		92	

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.: MH2599

ICP-MS Instrument ID: ICPM02 Start Date: 07/07/2008 End Date: 07/08/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	2321	100									
S2	2327	95									
S5	2333	92									
S10	2339	96									
S50	2345	95									
S200	2351	91									
S500	2357	93									
S1000	0003	92									
S1500	0009	91									
S2000	0014	92									
ICV	0020	93									
ICB	0026	95									
CRII	0032	92									
ICSA	0038	82									
ICSAB	0044	89									
CCV	0050	100									
CCB	0056	100									
PBW	0102	102									
LCSW	0108	104									
MH2599	0114	89									
MH2599L	0120	95									
MH25A0	0126	86									
MH25A2	0132	87									

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.: MH2599

ICP-MS Instrument ID: ICPM02 Start Date: 07/07/2008 End Date: 07/08/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 115In	Q	Element 159Tb	Q
MH25A3	0137	98		93		91		90		96	
MH25A4	0143	98		93		91		90		97	
MH25A6	0149	96		93		90		88		91	
BLANK	0155										
CCV2	0201	98		94		94		95		95	
CCB2	0207	99		96		95		96		98	
MH25A7	0213	99		93		90		89		94	
MH25A9	0219	97		94		91		88		95	
MH25B0	0225	99		93		91		90		96	
MH25B1	0231	100		94		91		90		93	
MH25B2	0237	100		95		93		91		96	
BLANK	0243										
CRIF	0249	101		99		98		98		99	
CCV3	0254	98		94		94		94		95	
CCB3	0300	98		94		94		94		94	
MH25B3	0306	99		93		92		91		96	
MH25B4	0312	97		92		90		89		92	
MH25B5	0318	98		92		89		88		91	
MH25B6	0324	99		93		91		90		93	
MH25B7	0330	99		92		90		89		92	
MH25B8	0336	98		93		91		91		97	
MH25C0	0342	99		92		90		90		93	
MH25C4	0348	94		90		87		85		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.: MH2599

ICP-MS Instrument ID: ICPM02 Start Date: 07/07/2008 End Date: 07/08/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
MH25A3	0137	89									
MH25A4	0143	89									
MH25A6	0149	84									
BLANK	0155										
CCV2	0201	97									
CCB2	0207	98									
MH25A7	0213	87									
MH25A9	0219	84									
MH25B0	0225	88									
MH25B1	0231	88									
MH25B2	0237	86									
BLANK	0243										
CRIF	0249	98									
CCV3	0254	96									
CCB3	0300	95									
MH25B3	0306	90									
MH25B4	0312	87									
MH25B5	0318	86									
MH25B6	0324	88									
MH25B7	0330	87									
MH25B8	0336	90									
MH25C0	0342	89									
MH25C4	0348	80									

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.: MH2599

ICP-MS Instrument ID: ICPM02 Start Date: 07/07/2008 End Date: 07/08/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 115In	Q	Element 159Tb	Q
BLANK	0354										
CCV4	0400	97		92		91		92		91	
CCB4	0406	99		93		93		93		93	
CRIF2	0412	98		94		94		95		94	
CCV5	0418	96		91		90		91		90	
CCB5	0423	98		92		91		91		91	

USEPA - CLP

15-IN

ICP-MS Internal Standards Relative Intensity Summary

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

ICP-MS Instrument ID: ICPM02 Start Date: 07/07/2008 End Date: 07/08/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
BLANK	0354										
CCV4	0400	94									
CCB4	0406	95									
CRIF2	0412	97									
CCV5	0418	93									
CCB5	0423	93									

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.: MH2599

ICP-MS Instrument ID: ICPM02 Start Date: 07/08/2008 End Date: 07/08/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 115In	Q	Element 159Tb	Q
S0	0952	100		100		100		100		100	
S2	0956	97		96		95		95		93	
S5	1000	98		97		95		95		93	
S10	1005	99		97		95		95		93	
S50	1009	99		96		94		93		92	
S200	1014	97		93		92		92		91	
S500	1018	95		90		88		89		88	
S1000	1023	93		86		85		86		86	
S1500	1027	96		90		89		90		89	
S2000	1031	98		92		91		91		89	
ICV2	1036	97		91		90		90		89	
ICB2	1040	99		94		92		92		91	
CRII2	1045	100		95		93		93		92	
ICSA2	1049	89		84		80		84		83	
ICSAB2	1054	91		87		83		87		85	
CCV6	1058	98		97		95		96		96	
CCB6	1102	99		99		98		98		97	
ZZZZZZ	1107										
MH25B4	1111	100		94		91		91		93	
MH25C4	1116	99		93		89		89		92	
ZZZZZZ	1120										
ZZZZZZ	1125										
ZZZZZZ	1129										

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.: MH2599

ICP-MS Instrument ID: ICPM02 Start Date: 07/08/2008 End Date: 07/08/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	0952	100									
S2	0956	93									
S5	1000	93									
S10	1005	93									
S50	1009	92									
S200	1014	91									
S500	1018	89									
S1000	1023	87									
S1500	1027	90									
S2000	1031	90									
ICV2	1036	90									
ICB2	1040	91									
CRII2	1045	92									
ICSA2	1049	80									
ICSAB2	1054	81									
CCV6	1058	96									
CCB6	1102	97									
ZZZZZZ	1107										
MH25B4	1111	90									
MH25C4	1116	86									
ZZZZZZ	1120										
ZZZZZZ	1125										
ZZZZZZ	1129										

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.: MH2599

ICP-MS Instrument ID: ICPM02 Start Date: 07/08/2008 End Date: 07/08/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 115In	Q	Element 159Tb	Q
ZZZZZZ	1133										
ZZZZZZ	1145										
CRIF3	1149	101		96		93		93		92	
CCV7	1154	99		93		90		90		90	
CCB7	1158	100		94		91		91		91	

USEPA - CLP

15-IN

ICP-MS Internal Standards Relative Intensity Summary

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

Lab Code: DATAC Case No.: 37402 NRAS No.: 1554.1 SDG No.: MH2599

ICP-MS Instrument ID: ICPM02 Start Date: 07/08/2008 End Date: 07/08/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	1133										
ZZZZZZ	1145										
CRIF3	1149	93									
CCV7	1154	90									
CCB7	1158	91									

FORM XV-IN ILM05.4

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.: MH2599

ICP-MS Instrument ID: ICPM02 Start Date: 07/09/2008 End Date: 07/09/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 115In	Q	Element 159Tb	Q
S0	1507	100		100		100		100		100	
S2	1511	99		99		98		97		96	
S5	1515	100		97		95		94		92	
S10	1519	100		97		94		94		91	
S50	1524	99		98		96		96		95	
S200	1528	99		96		95		94		93	
S500	1532	96		91		89		88		86	
S1000	1536	96		91		90		91		90	
S1500	1541	98		95		94		95		94	
S2000	1545	100		97		96		96		94	
ICV3	1549	98		94		91		90		88	
ICB3	1553	99		97		95		95		93	
CRII3	1558	100		99		97		96		95	
ICSA3	1602	88		83		78		81		79	
ICSAB3	1606	89		86		81		85		83	
CCV8	1610	98		98		96		96		96	
CCB8	1615	98		97		95		94		93	
MH25A6	1619	97		95		90		88		90	
ZZZZZZ	1623										
ZZZZZZ	1628										
ZZZZZZ	1632										
ZZZZZZ	1636										
ZZZZZZ	1640										

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.: MH2599

ICP-MS Instrument ID: ICPM02 Start Date: 07/09/2008 End Date: 07/09/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	1507	100									
S2	1511	97									
S5	1515	91									
S10	1519	91									
S50	1524	95									
S200	1528	93									
S500	1532	86									
S1000	1536	90									
S1500	1541	95									
S2000	1545	95									
ICV3	1549	87									
ICB3	1553	93									
CRII3	1558	95									
ICSA3	1602	76									
ICSAB3	1606	79									
CCV8	1610	97									
CCB8	1615	92									
MH25A6	1619	83									
ZZZZZZ	1623										
ZZZZZZ	1628										
ZZZZZZ	1632										
ZZZZZZ	1636										
ZZZZZZ	1640										

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.: MH2599

ICP-MS Instrument ID: ICPM02 Start Date: 07/09/2008 End Date: 07/09/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 115In	Q	Element 159Tb	Q
ZZZZZZ	1645										
CCV9	1649	101		101		98		97		95	
CCB9	1653	102		103		101		99		96	
CRIF4	1657	101		101		96		94		90	
CCV10	1702	101		100		97		96		94	
CCB10	1706	104		104		101		100		98	

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.: MH2599

ICP-MS Instrument ID: ICPM02 Start Date: 07/09/2008 End Date: 07/09/2008

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	1645										
CCV9	1649	94									
CCB9	1653	95									
CRIF4	1657	88									
CCV10	1702	93									
CCB10	1706	96									

FORM XV-IN ILM05.4

Run MS208083 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	07/07/2008 23:21:44	0	0	0	0	0	0	0	-6.9621	0	0	0	0	0	0	0	0	0	0	0	0	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
S2	07/07/2008 23:27:38	1.8894	2.4591	2.9745	6.2448	1.8344	1.8064	1.7884	-0.1747	1.8243	1.8996	1.8931	2.3512	1.9409	1.9282	1.8565	1.9335	1.8052	1.9295	1.7497	1.8087	98.95%	98.05%	96.92%	96.36%	94.84%	94.82%
S5	07/07/2008 23:33:32	5.0623	5.2719	6.0559	9.9209	4.7932	4.6429	4.6423	6.8384	4.7567	4.8661	4.9011	5.2409	4.9571	4.9875	4.6898	4.9075	4.678	4.8851	4.5527	4.7289	98.60%	96.66%	95.08%	93.88%	90.94%	91.97%
S10	07/07/2008 23:39:26	10.06	10.624	10.786	13.94	9.5305	9.5071	9.4913	7.9294	9.5007	9.7611	9.6939	10.107	9.8789	9.4549	9.5133	9.8914	9.4521	9.8882	9.1504	9.5236	99.94%	98.05%	96.89%	96.71%	96.87%	95.83%
S50	07/07/2008 23:45:21	49.284	49.998	50.042	52.799	46.962	46.973	46.609	48.613	46.902	48.005	47.416	48.378	48.271	48.394	47.099	48.441	47.114	47.862	45.207	46.852	99.88%	96.19%	95.43%	94.93%	94.86%	94.83%
S200	07/07/2008 23:51:15	199.74	199.31	197.47	206.97	195.1	193.67	193.89	203.63	195.94	197.35	194.71	197.79	197.56	198.93	193.2	197.72	193.89	195.34	188.57	192.81	96.68%	92.01%	91.44%	91.11%	90.19%	91.38%
S500	07/07/2008 23:57:09	500.17	508.85	500.98	512.06	502.28	502.85	502.8	507.37	501.95	501.27	502.38	501.04	501.15	500.6	503.02	501.07	502.75	502.08	505.07	503.2	95.80%	90.42%	90.57%	91.48%	89.98%	93.34%
S1000	07/08/2008 00:03:05	975.31	992.87	952.81	1008.2	972.03	967.25	974	1002.6	981.34	995.21	986.79	985.39	987.26	978.68	982.3	992.75	1011.1	992.49	965.22	990.59	95.24%	88.33%	88.41%	89.33%	88.63%	92.06%
S1500	07/08/2008 00:09:00	0.3152	1501.4	0.8054	1506.2	0.3199	0.3708	0.3219	1501.1	0.3277	0.4007	0.5243	1.1184	0.3964	0.5095	0.5013	0.2984	1.5716	0.3989	0.3384	0.3928	97.89%	90.99%	90.23%	90.46%	88.37%	91.36%
S2000	07/08/2008 00:14:56	0.1767	2000.3	0.7992	1987.4	0.139	0.2774	0.2092	1995.7	0.1977	0.2762	0.3209	0.9005	0.5528	0.0843	0.345	0.1658	3.8683	0.239	0.2848	0.9518	99.82%	93.55%	92.65%	92.33%	91.99%	91.88%
ICV	07/08/2008 00:20:52	96.848	1234.7	506.96	2041	96.971	95.091	96.186	1027.1	96.541	98.12	96.647	200.11	194.72	202.82	95.023	98.027	195.87	98.246	197.41	196.36	98.58%	92.73%	92.00%	92.04%	91.15%	92.68%
ICB	07/08/2008 00:26:48	0.0534	0.1643	0.05	-1.3912	0.0525	0.0093	0.0298	-5.0571	0.0562	0.0451	0.0929	-0.0599	0.051	-0.069	0.0118	0.0523	0.446	0.0563	0.0791	0.0719	99.65%	95.08%	94.36%	94.68%	95.10%	95.16%
CRII	07/08/2008 00:32:44	1.0017	0.0039	13.85	0.2715	4.812	1.9022	0.9593	-3.5564	0.9784	0.9815	1.9649	1.8428	0.9545	5.0211	0.9354	1.0239	2.0618	9.8026	0.9429	0.9707	100.60%	94.46%	93.24%	92.82%	90.70%	92.06%
ICSA	07/08/2008 00:38:38	0.308	104700	95436	113280	0.4041	19.779	7.6793	114890	1.4792	7.6445	8.4509	13.542	-0.1734	-2.913	0.059	3.5406	1.2585	1.518	0.0329	4.3937	88.32%	84.14%	80.81%	86.05%	83.15%	82.02%
ICSAB	07/08/2008 00:44:33	18.799	106880	95239	114100	20.375	39.072	27.364	113750	20.797	26.068	26.212	29.098	18.896	15.944	17.449	21.603	20.707	21.762	19.964	24.453	90.76%	89.27%	86.97%	93.09%	92.23%	89.30%
CCV	07/08/2008 00:50:30	249.84	1064.7	264.71	999.22	243.24	241.06	243.29	1028.3	243.39	243.54	240.97	244.99	242.22	244.43	240.84	245	242.36	241	237.08	240.91	97.11%	98.00%	98.11%	98.92%	100.91%	100.34%
CCB	07/08/2008 00:56:25	0.0721	14.705	13.958	16.904	0.0778	0.0778	0.0491	7.594	0.0683	0.0656	0.2389	0.0761	0.0947	0.2276	0.0246	0.0732	0.442	0.081	0.0809	0.0801	98.18%	100.61%	100.21%	100.20%	102.33%	99.97%
PBW	07/08/2008 01:02:20	0.0048	-0.1451	0.7731	12.771	0.0867	0.2922	-0.0183	-9.5742	-0.0009	-0.0176	0.1163	1.2546	-0.0301	-0.0455	0.0118	-0.0008	0.1301	-0.0014	-0.0239	0.0004	101.66%	100.27%	99.80%	100.34%	103.40%	101.65%
LCSW	07/08/2008 01:08:15	96.959	1320.2	512.2	2074	96.247	93.884	95.662	1037.2	96.49	96.588	95.899	198.73	191.03	197.66	94.981	97.792	198.59	96.406	197.67	196.27	101.52%	99.35%	99.42%	100.95%	105.02%	104.46%
MH2599	07/08/2008 01:14:11	0.0072	37360	35.131	162910	0.6026	0.3659	92.395	1560.7	0.5851	4.028	1.7496	16.407	4.0899	0.5554	0.0219	0.0816	2.985	41.142	0.0802	0.5926	96.45%	92.87%	89.69%	89.07%	95.01%	88.52%
MH2599L	07/08/2008 01:20:07	0.0028	7616.4	7.8694	31580	0.1461	0.0866	19.029	334.84	0.1213	0.9313	0.4023	3.4164	0.9206	0.2335	-0.0038	0.0207	0.6202	8.4365	0.001	0.1236	99.22%	93.11%	91.21%	92.10%	95.35%	94.74%
MH25A0	07/08/2008 01:26:03	0.0051	34831	8.8454	154950	0.5377	0.427	180.01	1542.3	0.7191	5.1831	6.0287	1138.5	6.2691	0.7449	0.0916	5.8861	6.9462	55.598	0.4768	23.282	96.75%	91.68%	88.52%	87.28%	92.96%	86.34%
MH25A2	07/08/2008 01:32:00	0.0011	37661	3.6072	161180	0.3521	0.3865	271.61	1670.4	0.9029	5.38	6.1199	1620.4	6.2387	0.8238	0.085	9.3155	8.2515	59.4	0.7082	10.753	96.94%	91.75%	88.86%	87.97%	92.23%	86.62%
MH25A3	07/08/2008 01:37:56	-0.001	37471	5.4817	160180	0.2814	0.3429	244.84	1557.3	0.9245	5.2104	5.438	1217	6.6452	0.8642	0.0908	7.4275	7.8506	58.398	0.6222	8.1375	98.07%	93.41%	91.25%	90.44%	96.18%	89.49%
MH25A4	07/08/2008 01:43:52	-0.0046	35012	4.9691	152750	0.3916	0.3934	184.84	1604.9	0.9069	4.7638	4.7808	613.12	9.4069	0.9873	0.0891	4.39	7.9706	58.807	0.5353	8.3234	98.03%	93.46%	91.13%	90.17%	96.87%	88.84%
MH25A6	07/08/2008 01:49:44	0.0101	66210	3.1765	292710	0.3004	0.3798	487.4	3172.4	4.8088	14.115	9.9038	3755.4	6.2884	0.6006	0.1255	18.774	14.38	45.524	1.2952	44.326	96.19%	93.28%	89.58%	87.83%	91.40%	83.59%
ZZZZZZ	07/08/2008 01:55:38	-0.0032	4.4605	0.3925	22.743	0.0187	0.0102	0.0143	-2.4097	-0.0028	0	0.0143	1.1638	-0.0276	-0.0196	-0.0105	0.0004	0.0006	0.0152	-0.0243	0.0124	102.36%	99.11%	97.85%	98.05%	97.38%	98.30%
CCV2	07/08/2008 02:01:32	249.29	1019.9	243.67	996.23	242.23	239.29	241.17	995.93	241.42	241.05	239.16	243.18	242.29	246.17	240.6	244.4	241.75	240.97	236.49	240.4	97.84%	94.10%	93.53%	94.78%	95.35%	97.07%
CCB2	07/08/2008 02:07:28	0.0511	3.7291	0.2172	11.715	0.0569	0.0338	0.0616	-6.5129	0.0509	0.0417	0.0547	0.0713	0.0589	0.048	0.01	0.0509	0.4146	0.0574	0.0363	0.0667	98.52%	95.98%	95.43%	96.18%	98.18%	98.23%
MH25A7	07/08/2008 02:13:23	0.0049	30485	103.48	136110	0.4372	0.5018	449.82	1674.6	1.241	5.1503	6.2786	1073.8	6.2294	1.124	0.2048	5.397	8.2186	65.331	0.3431	49.376	98.70%	92.80%	90.48%	89.20%	93.58%	87.41%
MH25A9	07/08/2008 02:19:18	0.0074	53472	5.9567	213890	0.338	0.4193	286.22	2430.9	3.5433	11.109	10.248	2832.8	3.2014	0.6647	0.1288	19.36	5.668	108.01	0.8376	9.1209	96.90%	93.91%	90.77%	88.29%	94.99%	84.32%
MH25B0	07/08/2008 02:25:14	-0.0019	32551	36.914	143140	0.4069	0.4572	737.71	1628.9	4.1924	7.9534	5.0795	3858.7	3.9318	1.3886	0.0796	14.21	6.5958	59.34	0.6407	22.04	98.63%	93.27%	91.14%	90.31%	95.56%	87.66%
MH25B1	07/08/2008 02:31:10	0.002	27115	95.143	121410	0.5394	0.631	237.18	1534.2	0.7914	4.2799	5.4597	823.03	4.9412	1.296	0.1892	3.4992	7.3104	60.85	0.1664	58.029	100.24%	93.94%	91.46%	90.07%	93.07%	87.64%
MH25B2	07/08/2008 02:37:07	-0.0001	36880	32.938	164230	0.8307	0.8508	202.65	1707.9	1.1209	5.0446	3.3182	769.02	2.9955	0.869	0.0206	3.3017	4.7922	94.251	0.1412	4.4771	99.52%	95.42%	92.97%	90.59%	95.99%	86.36%
ZZZZZZ	07/08/2008 02:43:04	-0.0052	4.5855	-0.2089	17.777	0.0035	0.0162	0.0188	-7.188	0.0021	-0.0157	-0.0406	0.0107	-0.0283	0.002	-0.0071	0	0.0094	0.0196	-0.0271	0.0088	104.45%	101.80%	101.19%	101.74%	104.15%	103.25%
CRIF	07/08/2008 02:49:01	1.0083	5.2166	1.1652	22.31	4.6388	1.8303	0.955	-3.7181	0.9083	0.963	1.8967	2.3252	0.8911	4.7648	0.9515	0.9603	1.8582	9.4169	0.8689	0.9577	101.13%	98.50%	97.61%	97.90%	99.38%	98.13%
CCV3	07/08/2008 02:54:57	251.01	1019	247.2	988.94	242.12	239.26	242.1	990.78	242.17	243.19	239.79	246.32	244.96	247.29	240.77	244.87	242.17	241.31	236.17	240.18	98.25%	93.93%	93.60%	94.27%	95.11%	95.77%
CCB3	07/08/2008 03:00:52	0.0347	1.5822	0.0525	6.949	0.043	0.0286	0.0374	-1.8675	0.0383	0.022	0.0541	0.1955	0.0961	0.2543	0.0025	0.0396	0.3746	0.0593	0.027	0.0471	97.73%	94.11%	93.61%	93.94%	93.86%	95.29%
MH25B3	07/08/2008 03:06:47	0.0072	26547	63.856	119070	0.6283	0.521	216.3	1420.1	0.7157	4.0212	6.343	797.99	5.5517	1.4501	0.2392	3.6352	7.4341	57.219	0.1634	75.185	98.67%	93.20%	92.03%	91.08%	96.24%	90.08%
MH25B4	07/08/2008 03:12:43	0.0047	54562	25.567	252010	0.8628	0.3984	1819.8	2734.8	1.1222	6.6954	1.8806	183.66	4.8224	0.7237	0.0348	0.224	3.3854	63.411	0.1988	10.639	97.02%	92.22%	89.65%	88.94%	92.38%	87.44%
MH25B5	07/08/2008 03:18:38	0.0006	53762	17.287	248530	0.8201	0.4062	1795	2801.1	1.1146	6.9538	1.3913	177.51	4.5399	0.5765	0.0117	0.199	3.1882	62.854	0.1873	8.418	97.69%	92.10%	89.33%	88.06%	90.92%	85.69%
MH25B6	07/08/2008 03:24:34	0.004	25500	114.66	114800	0.7614	0.6225	172.25	1480	0.713	4.1629	5.6408	784.96	5.2252	1.3428	0.2961	3.5602	7.5976	57.729	0.1569	58.658	99.48%	93.16%	90.98%	89.71%	93.45%	87.56%
MH25B7	07/08/2008 03:30:30	0.0217	20274	272.81	95050	1.1457	0.9598	214.66	1826.4	1.0134	4.1098	16.901	1169	10.73	1.2765	0.4822	5.4862	10.105	57.319	0.1975	240.69	99.36%	92.38%	90.21%	89.01%	91.52%	87.30%
MH25B8	07/08/2008 03:36:26	0.0127	24135	148.3	110230	0.7742	0.7468	184.27	1546.2	0.7591	3.9843	8.7845	859.38	7.0558	1.3533	0.3621	4.6148	8.4524	58.499	0.1718	112.26	98.36%	92.77%	91.25%	90.74%	96.54%	89.77%
MH25C0	07/08/2008 03:42:22	0.0146	18672	262.43	90514	1.0186	0.9088	170.67	1461.1	0.7937	3.7762	8.4172	918.18	6.0083	1.2485	0.3448	4.198	7.0642	54.752	0.1523	73.74	98.62%	92.27%	90.22%	89.79%	92.57%	88.81%
MH25C4	07/08/2008 03:48:19	0.0071	48247	12.242	381730	0.2631	0.4827	521.39	3635.2	1.6752	24.207	3.8868	8130.2	0.689	3.6501	0.7181	68.612	1.1211	23.811	0.2319	6.7584	93.71%	90.35%	87.19%	84.99%	88.86%	79.54%
ZZZZZZ	07/08/2008 03:54:17	-0.0049	8.3355	-0.1529	55.301	0.0365	0.0155	0.0773	-1.9872	-0.0031	-0.0146	-0.0418	1.4111	-0.0163	-0.0571	0.0051	0.0094	-0.008	0.0038	-0.0308	0.0077	101.44%	96.68%	95.45%	95.44%	94.90%	95.88%
CCV4	07/08/2008 04:00:16	250.01	1014.3	242.84	1017.1	241.02	239	240.54	980.52	240.82	241.12	238.13	243.84	243.63	247.88	239.38	244.41	242.34	243.41	235.93	240.02	97.30%	91.55%	91.34%	92.14%	91.12%	94.41%
CCB4	07/08/2008 04:06:11	0.0501	3.1931	-0.157	12.664	0.0476	0.0231	0.0657	-3.9078	0.0485	0.0366	0.0325	0.1458	0.0714	0.1701	0.0164	0.053	0.3888	0.0514	0.0263	0.0629	98.71%	93.08%	92.81%	93.16%	93.47%	94.98%
CRIF2	07/08/2008 04:12:06	1.0144	1.214	-0.3698	3.0459	4.6384	1.8353	0.9315	-7.5153	0.9175	0.9446	1.8113	1.9187	0.942	4.9137	0.9159	0.9554	1.9945	9.4999	0.8713	0.9345	98.46%	94.16%	93.86%	94.68%	94.32%	97.25%
CCV5	07/08/2008 04:18:02	248.88	1001.8	242.39	987.07	241.35	239.6	241.32	987.65	241.39	242.16	239.09	244.48	243.47	245.96	239.91	244.18	242.9	244.29	235.36	239.93	96.30%	90.63%	90.27%	90.89%	90.29%	93.13%
CCB5	07/08/2008 04:23:57	0.0568	1.914	-0.167	7.603	0.053	0.042	0.0658	-3.3853	0.0478	0.0355	0.0253	0.1764	0.0556	0.0336	0.0129	0.0433	0.4119	0.05	0.0343	0.0506	98.02%	92.41%	90.96%	91.39%	90.99%	92.69%

Results not used, due to results above the linear ranges. Refer to Run # MS208084 for diluted results.

Performance Report

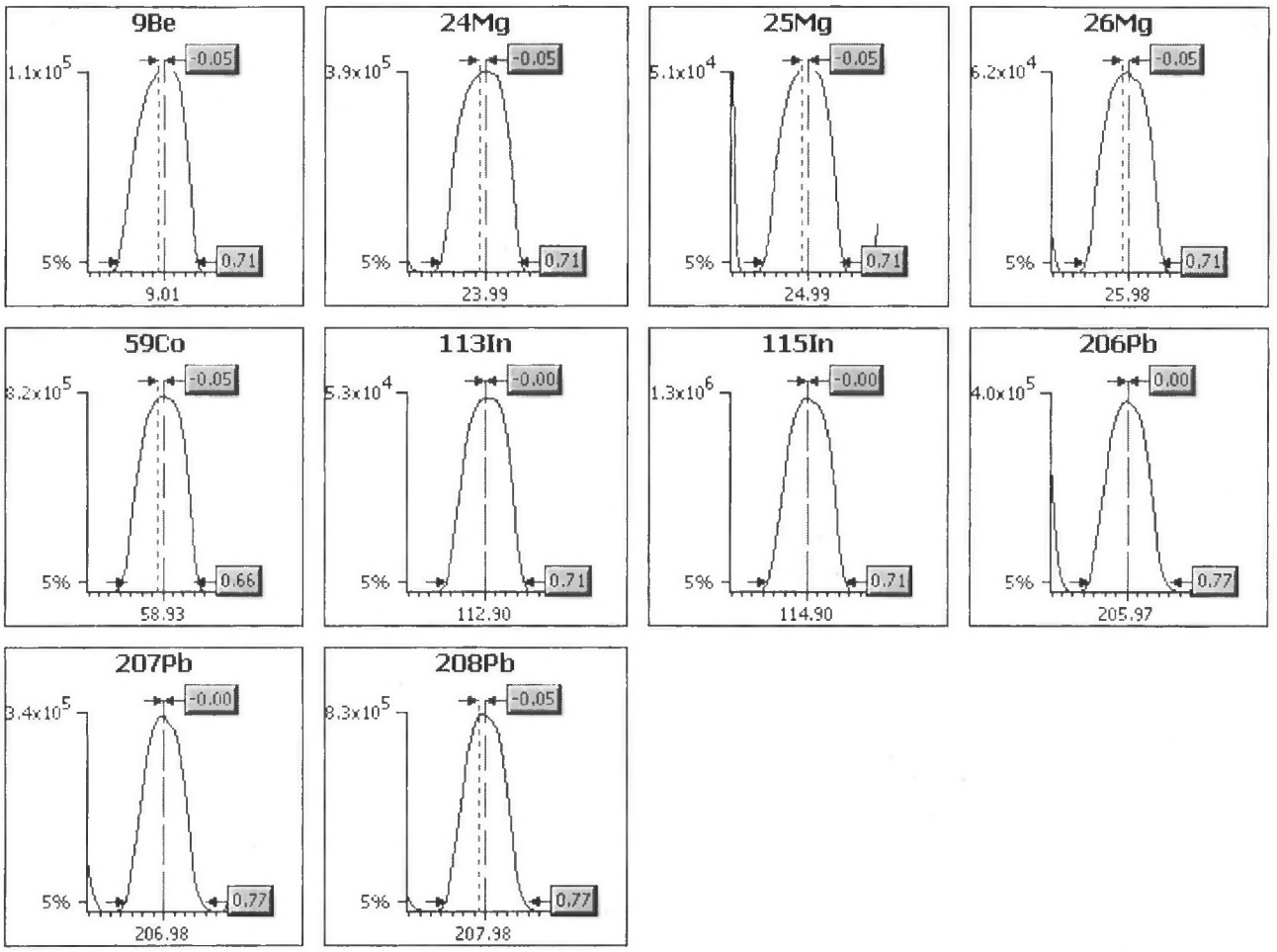
RUN# MS208083

STD# MH2599

Sample details
Acquired at : 07/07/2008 22:47:46
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	-0.05

Sample details
Acquired at : 07/07/2008 22:47:46
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
Sweeps : 130

TUNE

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	22:48:07	0.154	108385.68	403553.40	53114.888	61937.012	570426.32	815687.37	41194.903	0.231
2	22:49:20	0.308	108624.14	402588.36	53560.031	62653.879	570261.77	815119.48	40963.253	0.231
3	22:50:33	0.154	107974.23	401581.48	53308.425	62028.457	571199.78	822078.94	41311.891	0.692
4	22:51:46	0.154	109704.30	405713.02	53812.418	63428.940	573738.68	824951.54	41778.825	0.231
5	22:52:58	0.385	110076.08	413065.98	54389.222	63619.616	577692.94	834181.42	41945.042	0.154
x		0.231	108952.89	405300.45	53636.997	62733.581	572663.90	822403.75	41438.783	0.308
σ		0.11	896.35	4601.96	495.76	775.67	3137.16	7801.93	410.38	0.22
%RSD		47.140	0.823	1.135	0.924	1.236	0.548	0.949	0.990	70.711

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	22:48:07	54317.990	1281655.1	951830.64	1395839.6	32922.083	410923.87	338038.36	848466.75	0.538
2	22:49:20	53913.066	1279255.8	951114.62	1388822.4	32808.560	409586.54	337101.54	846802.65	0.615
3	22:50:33	54399.287	1289959.8	954512.15	1402004.3	32622.189	413051.44	340583.53	854116.34	0.385
4	22:51:46	55043.496	1305357.9	969428.76	1419243.7	32856.183	420582.93	345458.95	866453.06	0.462
5	22:52:58	56555.880	1325016.0	984538.03	1446553.5	33544.301	427633.92	352792.98	883004.13	0.692
x		54845.944	1296248.9	962284.84	1410492.7	32950.663	416355.74	342795.07	859768.58	0.538
σ		1038.20	19051.37	14497.58	23093.99	350.08	7604.47	6461.19	15102.71	0.12
%RSD		1.893	1.470	1.507	1.637	1.062	1.826	1.885	1.757	22.588

Ratio results

Run	Time	56Ar O/59Co	138Ba++/138Ba	115In/101Bkg	156Ce O/140Ce
Ratio limits		-	-	>10000.0000	<0.0300
1	22:48:07	0.699	0.043	5553838.9	0.024
2	22:49:20	0.700	0.043	5543441.5	0.024
3	22:50:33	0.695	0.043	1863275.3	0.023
4	22:51:46	0.695	0.043	5656550.9	0.023
5	22:52:58	0.693	0.043	8612604.0	0.023
x		0.6964	0.0431	5445942.1	0.0234
σ		0.00	0.00	2394198.89	0.00
%RSD		0.4374	0.6425	43.9630	0.9614

Result : The performance report passed.

Experiment Details

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Elemental\PlasmaLab\data\Run Data\MS208082.tee
Created By User	Edwards
Analyte Database	ILM5.3.tea
Creation Timestamp	02/02/2005 10:10:19
Last Edited By	Edwards
Last Edit Timestamp	07/08/2008 07:37:19
Instrument Detector	Simultaneous
Database Version	3.51
Acquisition Mode	Unknown

RUN # MS208083
ICPM02
07/08/08
ILM05.4 - HW3
SDG # MH2599
CASE # 37402
MOD 1554.1

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
- C 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

HW 07/11/08

Setup

Survey Scan Setup

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

Main Run Setup

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

Survey Scan Regions

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

Peak Jump Regions

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

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

Calibration Technique

Use External Drift Correction - No
Calibrate by - Element

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

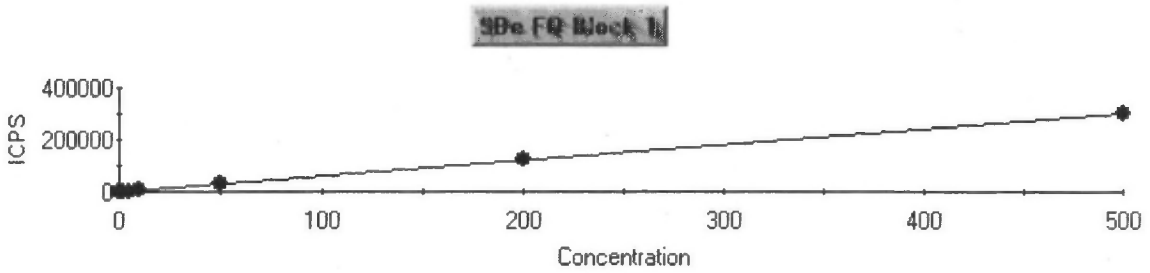
83Kr	Yes	0.01	Semi-Quantified				No	
86Sr	Yes	0.96	None				No	
88Sr	Yes	0.96	None				No	
89Y	Yes	0.98	None				No	
95Mo	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
106Pd	Yes	0.93	None				No	
107Ag	Yes	0.93	Fully-Quantified	Linear	None	Through Blank	Yes	0.995000
109Ag	Yes	0.93	Fully-Quantified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

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	S0	Blank	1.000	1	1	1	144
2	S2	Fully Quant Standard	1.000	1	1	2	144
3	S5	Fully Quant Standard	1.000	1	1	3	144
4	S10	Fully Quant Standard	1.000	1	1	4	144
5	S50	Fully Quant Standard	1.000	1	1	5	144
6	S200	Fully Quant Standard	1.000	1	1	6	144
7	S500	Fully Quant Standard	1.000	1	1	7	144
8	S1000	Fully Quant Standard	1.000	1	1	8	144
9	S1500	Fully Quant Standard	1.000	1	1	9	144
10	S2000	Fully Quant Standard	1.000	1	1	10	144
11	ICV	Unknown	1.000	1	1	11	144
12	ICB	Unknown	1.000	1	1	12	144
13	CRII	Unknown	1.000	1	2	1	144
14	ICSA	Unknown	1.000	1	2	2	144
15	ICSAB	Unknown	1.000	1	2	3	144
16	CCV	Unknown	1.000	1	2	4	144
17	CCB	Unknown	1.000	1	2	5	144
18	PBW	Unknown	1.000	1	2	6	144
19	LCSW	Unknown	1.000	1	2	7	144
20	MH2599	Unknown	1.000	1	2	8	144
21	MH2599L	Unknown	1.000	1	2	9	144
22	MH25A0	Unknown	1.000	1	2	10	144
23	MH25A2	Unknown	1.000	1	2	11	144
24	MH25A3	Unknown	1.000	1	2	12	144
25	MH25A4	Unknown	1.000	1	3	1	144
26	MH25A6	Unknown	1.000	1	3	2	144
27	ZZZZZZ	Unknown	1.000	1	3	3	144
28	CCV2	Unknown	1.000	1	3	4	144
29	CCB2	Unknown	1.000	1	3	5	144
30	MH25A7	Unknown	1.000	1	3	6	144
31	MH25A9	Unknown	1.000	1	3	7	144
32	MH25B0	Unknown	1.000	1	3	8	144
33	MH25B1	Unknown	1.000	1	3	9	144
34	MH25B2	Unknown	1.000	1	3	10	144
35	ZZZZZZ	Unknown	1.000	1	3	11	144
36	CRIF	Unknown	1.000	1	3	12	144
37	CCV3	Unknown	1.000	1	4	1	144
38	CCB3	Unknown	1.000	1	4	2	144
39	MH25B3	Unknown	1.000	1	4	3	144
40	MH25B4	Unknown	1.000	1	4	4	144
41	MH25B5	Unknown	1.000	1	4	5	144
42	MH25B6	Unknown	1.000	1	4	6	144
43	MH25B7	Unknown	1.000	1	4	7	144
44	MH25B8	Unknown	1.000	1	4	8	144
45	MH25C0	Unknown	1.000	1	4	9	144
46	MH25C4	Unknown	1.000	1	4	10	144

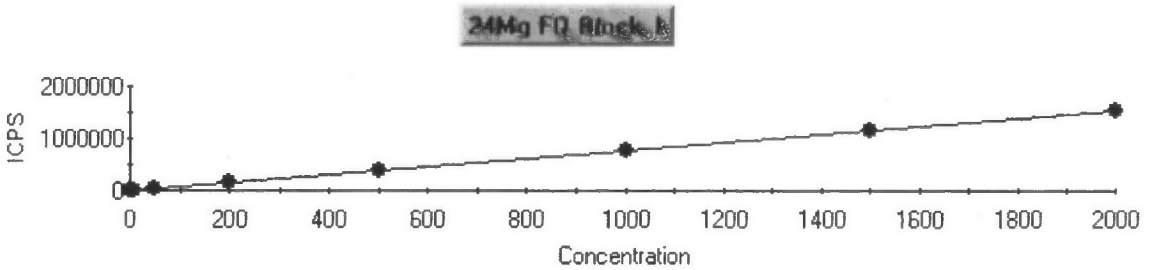
47	ZZZZZZ	Unknown	1.000	1	4	11	144
48	CCV4	Unknown	1.000	1	4	12	144
49	CCB4	Unknown	1.000	1	5	1	144
50	CRIF2	Unknown	1.000	1	5	2	144
51	CCV5	Unknown	1.000	1	5	3	144
52	CCB5	Unknown	1.000	1	5	4	144

Fully Quant Calibration



Intercept CPS=12.836855 Intercept Conc=0.021419
Sensitivity=599.308767 Correlation Coeff=0.999999

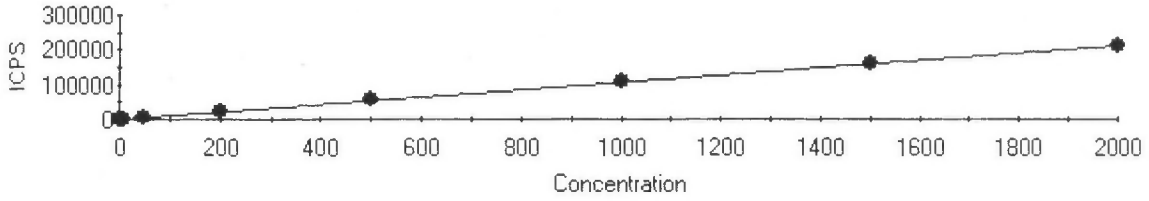
Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	12.84	0.00
S2	2.000	1.889	0.111	1145.18	5.53
S5	5.000	5.062	0.062	3046.70	1.25
S10	10.000	10.060	0.060	6041.81	0.60
S50	50.000	49.284	0.716	29549.06	1.43
S200	200.000	199.741	0.259	119719.25	0.13
S500	500.000	500.174	0.174	299771.45	0.03



Intercept CPS=622.544875 Intercept Conc=0.812064
Sensitivity=766.620293 Correlation Coeff=0.999986

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	622.54	0.00
S2	2.000	2.459	0.459	2507.70	22.95
S5	5.000	5.272	0.272	4664.07	5.44
S10	10.000	10.624	0.624	8766.86	6.24
S50	50.000	49.998	0.002	38952.35	0.00
S200	200.000	199.309	0.691	153416.68	0.35
S500	500.000	508.847	8.847	390715.08	1.77
S1000	1000.000	992.874	7.126	761780.05	0.71
S1500	1500.000	1501.439	1.439	1151656.05	0.10
S2000	2000.000	2000.337	0.337	1534121.38	0.02

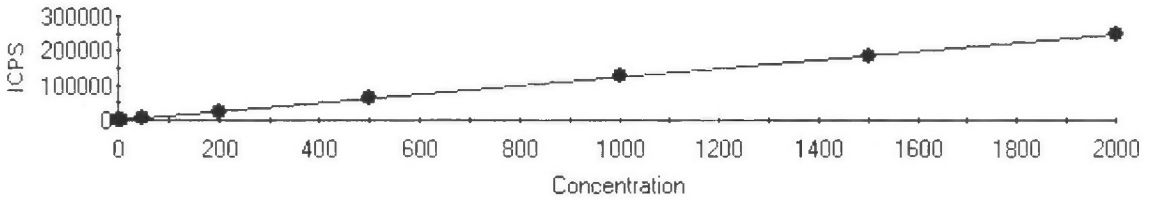
25Mg FQ Block 1



Intercept CPS=74.661077 Intercept Conc=0.697956
Sensitivity=106.971018 Correlation Coeff=0.999956

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	74.66	0.00
S2	2.000	2.897	0.897	384.58	44.86
S5	5.000	5.315	0.315	643.23	6.30
S10	10.000	10.488	0.488	1196.60	4.88
S50	50.000	51.307	1.307	5562.99	2.61
S200	200.000	204.135	4.135	21911.23	2.07
S500	500.000	515.247	15.247	55191.16	3.05
S1000	1000.000	999.738	0.262	107017.69	0.03
S1500	1500.000	1487.014	12.986	159142.10	0.87
S2000	2000.000	2005.608	5.608	214616.59	0.28

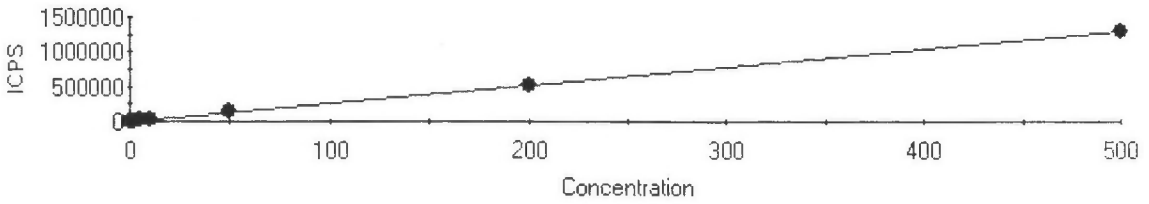
26Mg FQ Block 1



Intercept CPS=112.668607 Intercept Conc=0.907389
Sensitivity=124.167965 Correlation Coeff=0.999978

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	112.67	0.00
S2	2.000	2.441	0.441	415.77	22.05
S5	5.000	5.354	0.354	777.41	7.07
S10	10.000	10.445	0.445	1409.57	4.45
S50	50.000	50.491	0.491	6382.07	0.98
S200	200.000	203.115	3.115	25333.10	1.56
S500	500.000	513.651	13.651	63891.68	2.73
S1000	1000.000	1004.322	4.322	124817.27	0.43
S1500	1500.000	1500.882	0.882	186474.08	0.06
S2000	2000.000	1993.438	6.562	247633.77	0.33

27Al FQ Block 1

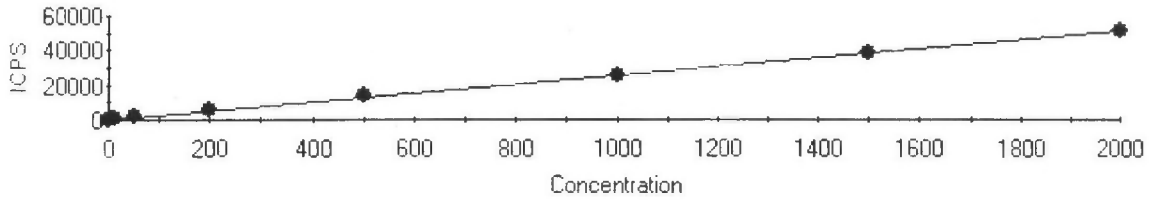


Intercept CPS=1472.134043 Intercept Conc=0.563130
Sensitivity=2614.197702 Correlation Coeff=0.999977

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	1472.13	0.00
S2	2.000	2.975	0.975	9248.19	48.73
S5	5.000	6.056	1.056	17303.57	21.12
S10	10.000	10.786	0.786	29669.31	7.86

S50	50.000	50.042	0.042	132290.64	0.08
S200	200.000	197.467	2.533	517689.02	1.27
S500	500.000	500.979	0.979	1311130.29	0.20

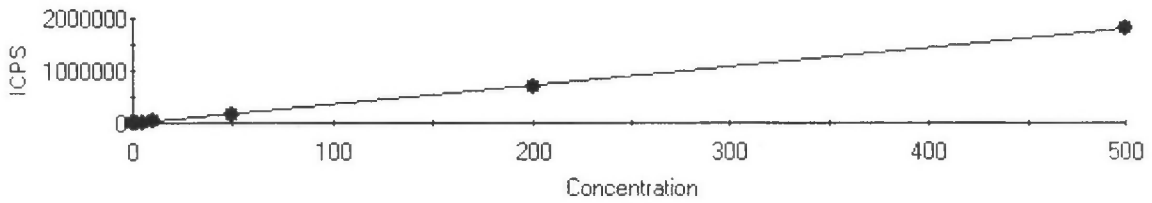
44Ca FQ Block 1



Intercept CPS=515.265828 Intercept Conc=20.552647
Sensitivity=25.070533 Correlation Coeff=0.999967

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	515.27	0.00
S2	2.000	6.245	4.245	671.83	212.24
S5	5.000	9.921	4.921	763.99	98.42
S10	10.000	13.940	3.940	864.76	39.40
S50	50.000	52.799	2.799	1838.95	5.60
S200	200.000	206.975	6.975	5704.23	3.49
S500	500.000	512.057	12.057	13352.81	2.41
S1000	1000.000	1008.186	8.186	25791.02	0.82
S1500	1500.000	1506.244	6.244	38277.60	0.42
S2000	2000.000	1987.406	12.594	50340.60	0.63

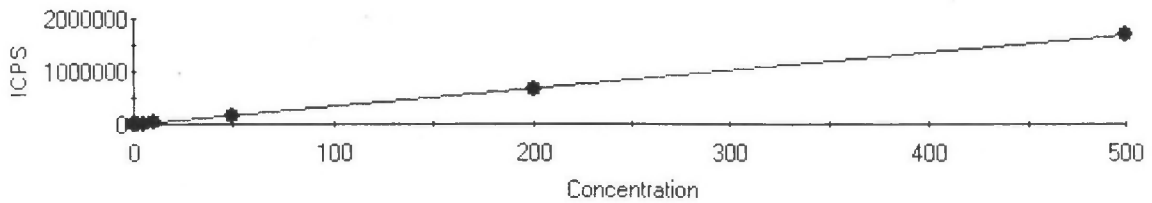
51V FQ Block 1



Intercept CPS=481.965158 Intercept Conc=0.132881
Sensitivity=3627.042495 Correlation Coeff=0.999928

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	481.97	0.00
S2	2.000	1.834	0.166	7135.46	8.28
S5	5.000	4.793	0.207	17866.99	4.14
S10	10.000	9.531	0.469	35049.60	4.69
S50	50.000	46.962	3.038	170815.56	6.08
S200	200.000	195.099	4.901	708115.87	2.45
S500	500.000	502.276	2.276	1822258.86	0.46

52Cr FQ Block 1

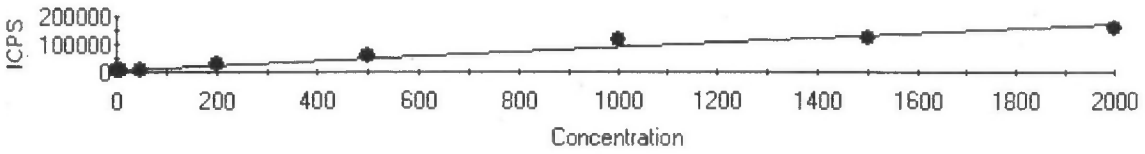


Intercept CPS=1640.918394 Intercept Conc=0.483242
Sensitivity=3395.643138 Correlation Coeff=0.999890

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	1640.92	0.00
S2	2.000	1.806	0.194	7774.86	9.68

S5	5.000	4.643	0.357	17406.63	7.14
S10	10.000	9.507	0.493	33923.64	4.93
S50	50.000	46.973	3.027	161145.78	6.05
S200	200.000	193.668	6.332	659266.73	3.17
S500	500.000	502.850	2.850	1709139.57	0.57

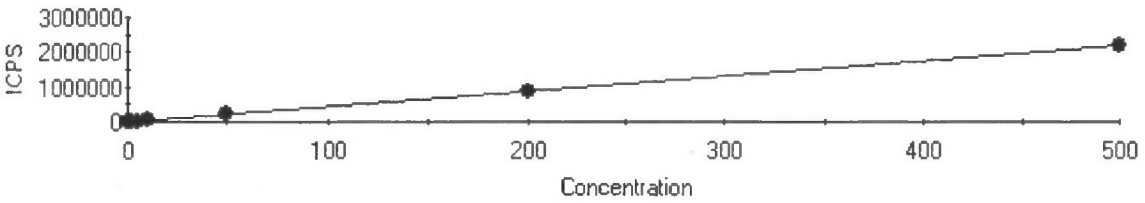
54Fe FQ Block 1



Intercept CPS=4037.113649 Intercept Conc=48.946411
Sensitivity=82.480279 Correlation Coeff=0.977832
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	4037.11	0.00
S10	10.000	0.565	9.435	5107.07	94.35
S50	50.000	2.826	47.174	9390.89	94.35
S200	200.000	11.771	188.229	26339.28	94.11
S500	500.000	29.892	470.108	60671.76	94.02
S1000	1000.000	58.827	941.173	115494.37	94.12
S1500	1500.000	60.754	1439.246	119145.39	95.95
S2000	2000.000	80.473	1919.527	156507.08	95.98

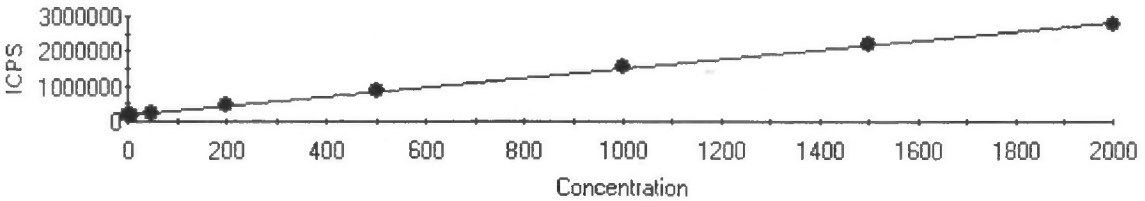
55Mn FQ Block 1



Intercept CPS=280.014341 Intercept Conc=0.064057
Sensitivity=4371.335054 Correlation Coeff=0.999893

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	280.01	0.00
S2	2.000	1.788	0.212	8097.93	10.58
S5	5.000	4.642	0.358	20573.06	7.15
S10	10.000	9.491	0.509	41769.49	5.09
S50	50.000	46.609	3.391	204022.95	6.78
S200	200.000	193.888	6.112	847830.25	3.06
S500	500.000	502.798	2.798	2198180.45	0.56

56Fe FQ Block 1

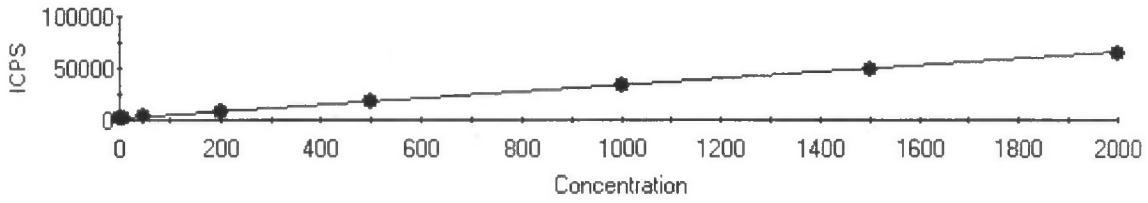


Intercept CPS=186307.384310 Intercept Conc=141.439620
Sensitivity=1317.222041 Correlation Coeff=0.999749

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	186307.38	0.00
S10	10.000	9.569	0.431	198911.95	4.31

S50	50.000	48.358	1.642	250005.03	3.28
S200	200.000	196.963	3.037	445751.78	1.52
S500	500.000	510.179	10.179	858326.93	2.04
S1000	1000.000	1027.007	27.007	1539103.55	2.70
S1500	1500.000	1519.468	19.468	2187784.74	1.30
S2000	2000.000	1969.697	30.303	2780835.98	1.52

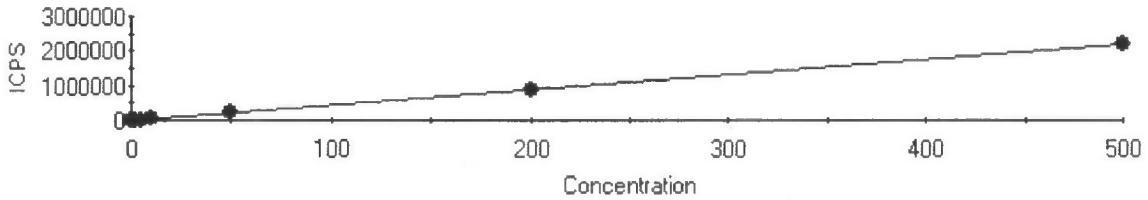
57Fe FQ Block 1



Intercept CPS=1740.240351 Intercept Conc=55.506206
Sensitivity=31.352176 Correlation Coeff=0.999982

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-6.962	6.962	1521.96	0.00
S10	10.000	7.929	2.071	1988.84	20.71
S50	50.000	48.613	1.387	3264.36	2.77
S200	200.000	203.632	3.632	8124.55	1.82
S500	500.000	507.369	7.369	17647.36	1.47
S1000	1000.000	1002.606	2.606	33174.13	0.26
S1500	1500.000	1501.105	1.105	48803.14	0.07
S2000	2000.000	1995.708	4.292	64310.03	0.21

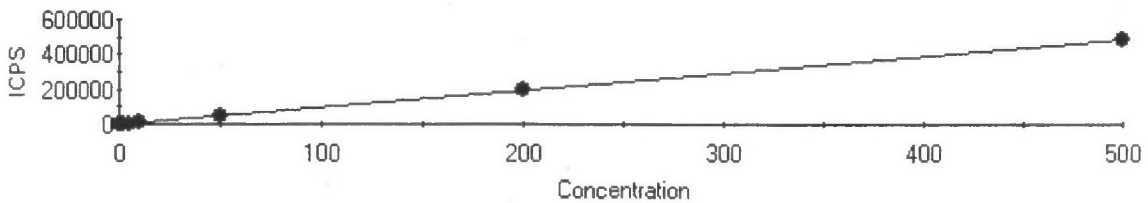
59Co FQ Block 1



Intercept CPS=34.463474 Intercept Conc=0.007936
Sensitivity=4342.505118 Correlation Coeff=0.999946

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	34.46	0.00
S2	2.000	1.824	0.176	7956.55	8.78
S5	5.000	4.757	0.243	20690.45	4.87
S10	10.000	9.501	0.499	41291.22	4.99
S50	50.000	46.902	3.098	203706.44	6.20
S200	200.000	195.937	4.063	850890.84	2.03
S500	500.000	501.948	1.948	2179747.19	0.39

60Ni FQ Block 1

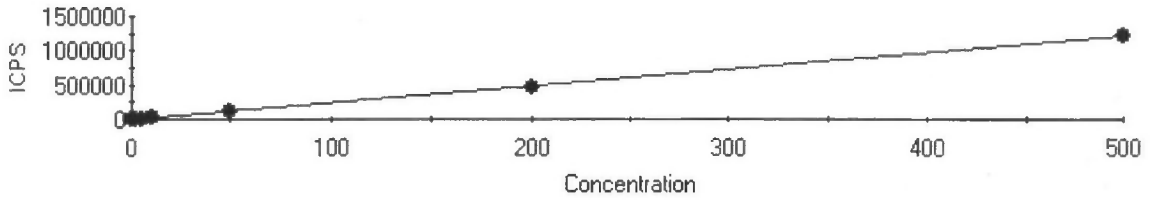


Intercept CPS=67.936198 Intercept Conc=0.070025
Sensitivity=970.164553 Correlation Coeff=0.999977

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	67.94	0.00

S2	2.000	1.900	0.100	1910.83	5.02
S5	5.000	4.866	0.134	4788.85	2.68
S10	10.000	9.761	0.239	9537.81	2.39
S50	50.000	48.005	1.995	46640.95	3.99
S200	200.000	197.349	2.651	191528.75	1.33
S500	500.000	501.266	1.266	486378.90	0.25

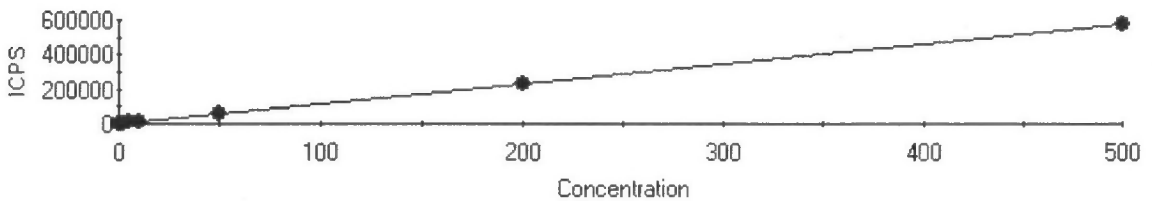
63Cu FQ Block 1



Intercept CPS=298.319798 Intercept Conc=0.123844
Sensitivity=2408.832581 Correlation Coeff=0.999921

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	298.32	0.00
S2	2.000	1.893	0.107	4858.56	5.34
S5	5.000	4.901	0.099	12104.19	1.98
S10	10.000	9.694	0.306	23649.24	3.06
S50	50.000	47.416	2.584	114514.85	5.17
S200	200.000	194.709	5.291	469320.90	2.65
S500	500.000	502.382	2.382	1210452.86	0.48

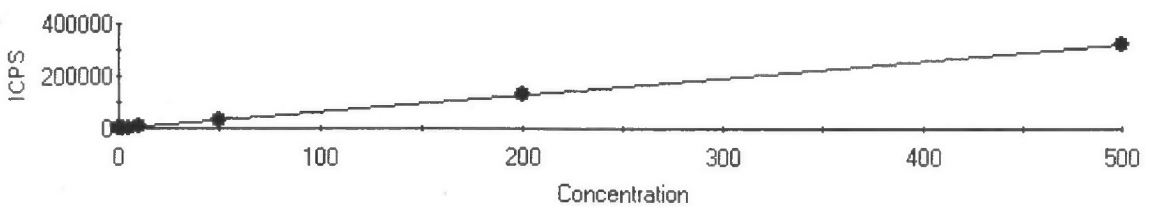
65Cu FQ Block 1



Intercept CPS=51.376750 Intercept Conc=0.044577
Sensitivity=1152.550024 Correlation Coeff=0.999964

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	51.38	0.00
S2	2.000	1.898	0.102	2238.91	5.10
S5	5.000	4.986	0.014	5797.69	0.29
S10	10.000	9.915	0.085	11478.38	0.85
S50	50.000	47.790	2.210	55132.26	4.42
S200	200.000	196.648	3.352	226698.14	1.68
S500	500.000	501.564	1.564	578128.95	0.31

66Zn FQ Block 1

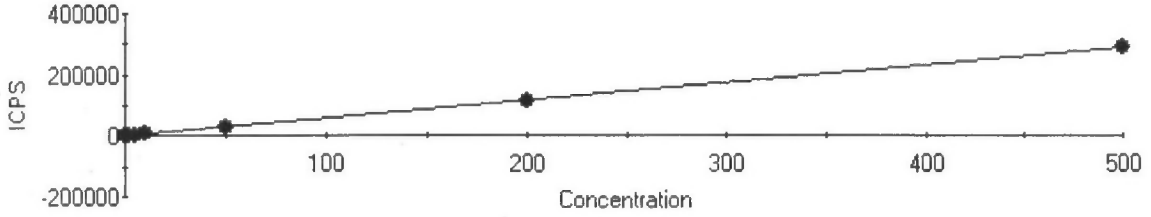


Intercept CPS=230.827990 Intercept Conc=0.355740
Sensitivity=648.866502 Correlation Coeff=0.999981

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	230.83	0.00
S2	2.000	2.351	0.351	1756.46	17.56

S5	5.000	5.241	0.241	3631.48	4.82
S10	10.000	10.107	0.107	6788.90	1.07
S50	50.000	48.378	1.622	31621.61	3.24
S200	200.000	197.788	2.212	128568.81	1.11
S500	500.000	501.041	1.041	325339.60	0.21

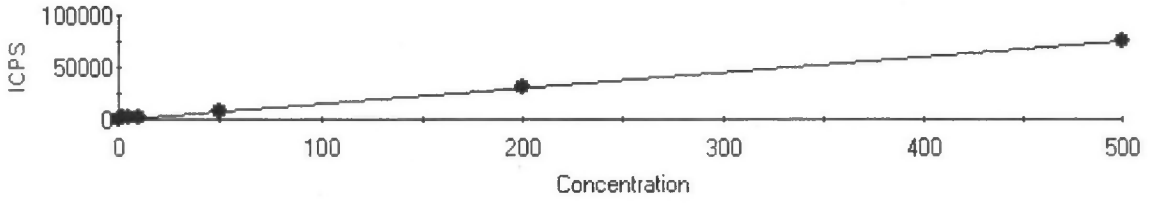
75As FQ Block 1



Intercept CPS=-14.531642 Intercept Conc=-0.024916
Sensitivity=583.226928 Correlation Coeff=0.999980

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	-14.53	0.00
S2	2.000	1.941	0.059	1117.46	2.95
S5	5.000	4.957	0.043	2876.57	0.86
S10	10.000	9.879	0.121	5747.13	1.21
S50	50.000	48.271	1.729	28138.58	3.46
S200	200.000	197.562	2.438	115208.74	1.22
S500	500.000	501.151	1.151	292270.40	0.23

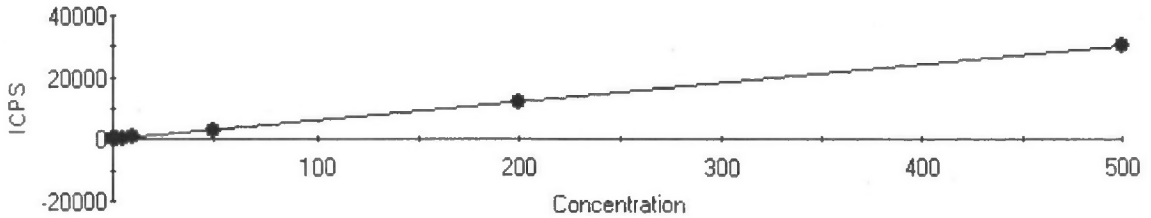
78Se FQ Block 1



Intercept CPS=825.557564 Intercept Conc=5.611805
Sensitivity=147.110869 Correlation Coeff=0.999989

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	825.56	0.00
S2	2.000	2.024	0.024	1123.38	1.22
S5	5.000	5.135	0.135	1580.98	2.70
S10	10.000	10.223	0.223	2329.44	2.23
S50	50.000	48.391	1.609	7944.43	3.22
S200	200.000	198.507	1.493	30028.11	0.75
S500	500.000	500.752	0.752	74491.64	0.15

82Se FQ Block 1

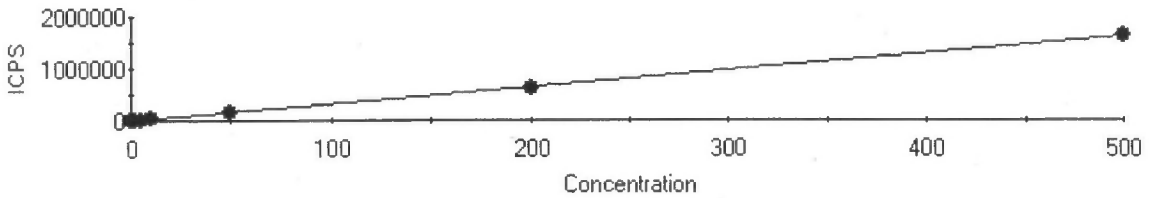


Intercept CPS=1.703342 Intercept Conc=0.028221
Sensitivity=60.357838 Correlation Coeff=0.999993

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	1.70	0.00
S2	2.000	1.928	0.072	118.09	3.59
S5	5.000	4.988	0.012	302.74	0.25

S10	10.000	9.455	0.545	572.38	5.45
S50	50.000	48.394	1.606	2922.66	3.21
S200	200.000	198.930	1.070	12008.66	0.54
S500	500.000	500.600	0.600	30216.84	0.12

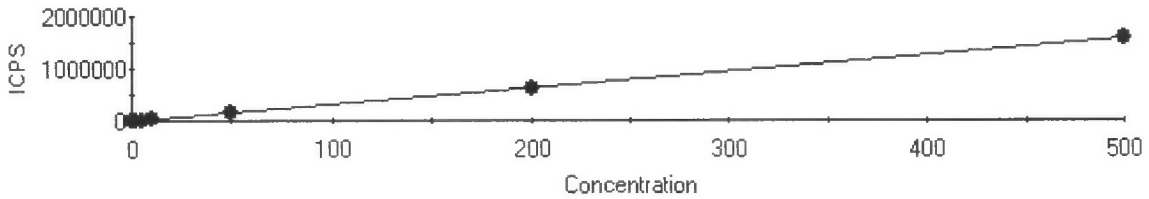
107Ag FQ Block 1



Intercept CPS=89.721940 Intercept Conc=0.027938
Sensitivity=3211.457237 Correlation Coeff=0.999875

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	89.72	0.00
S2	2.000	1.857	0.143	6051.84	7.17
S5	5.000	4.690	0.310	15150.65	6.20
S10	10.000	9.513	0.487	30641.33	4.87
S50	50.000	47.099	2.901	151346.02	5.80
S200	200.000	193.199	6.801	620538.76	3.40
S500	500.000	503.024	3.024	1615530.03	0.60

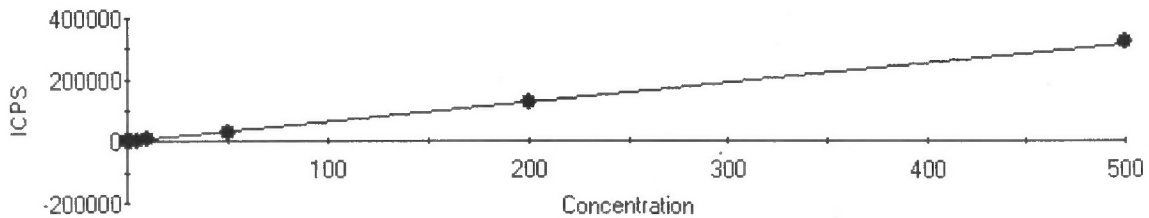
109Ag FQ Block 1



Intercept CPS=79.045289 Intercept Conc=0.025281
Sensitivity=3126.665852 Correlation Coeff=0.999894

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	79.05	0.00
S2	2.000	1.835	0.165	5815.30	8.27
S5	5.000	4.741	0.259	14902.08	5.18
S10	10.000	9.547	0.453	29928.32	4.53
S50	50.000	47.215	2.785	147705.78	5.57
S200	200.000	193.780	6.220	605963.09	3.11
S500	500.000	502.779	2.779	1572100.80	0.56

111Cd FQ Block 1

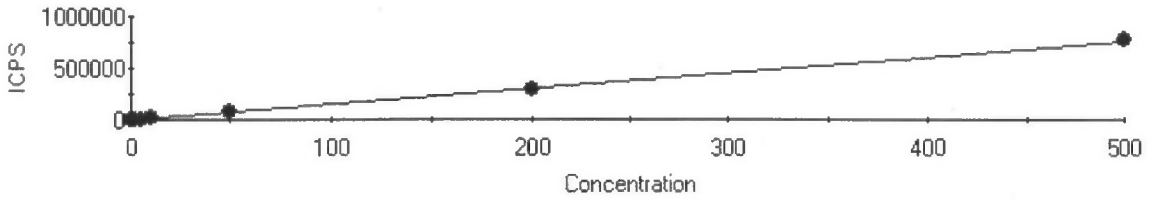


Intercept CPS=1.785799 Intercept Conc=0.002808
Sensitivity=635.924636 Correlation Coeff=0.999983

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	1.79	0.00
S2	2.000	1.933	0.067	1231.32	3.33
S5	5.000	4.908	0.092	3122.61	1.85
S10	10.000	9.891	0.109	6291.94	1.09

S50	50.000	48.441	1.559	30806.71	3.12
S200	200.000	197.723	2.277	125738.83	1.14
S500	500.000	501.070	1.070	318644.53	0.21

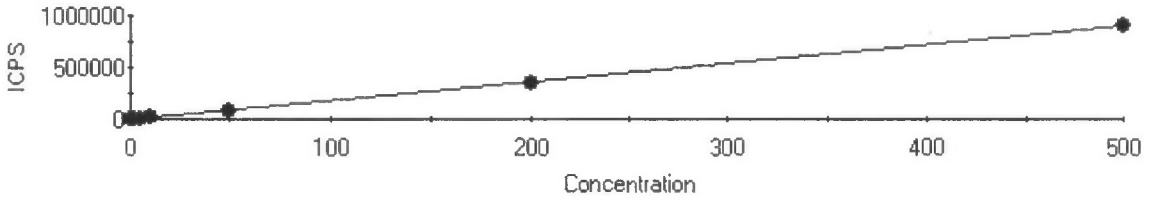
114Cd FQ Block 1



Intercept CPS=3.289189 Intercept Conc=0.002172
Sensitivity=1514.426036 Correlation Coeff=0.999951

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	3.29	0.00
S2	2.000	1.827	0.173	2770.11	8.65
S5	5.000	4.781	0.219	7243.02	4.39
S10	10.000	9.773	0.227	14803.73	2.27
S50	50.000	47.960	2.040	72634.59	4.08
S200	200.000	195.801	4.199	296529.63	2.10
S500	500.000	501.891	1.891	760080.10	0.38

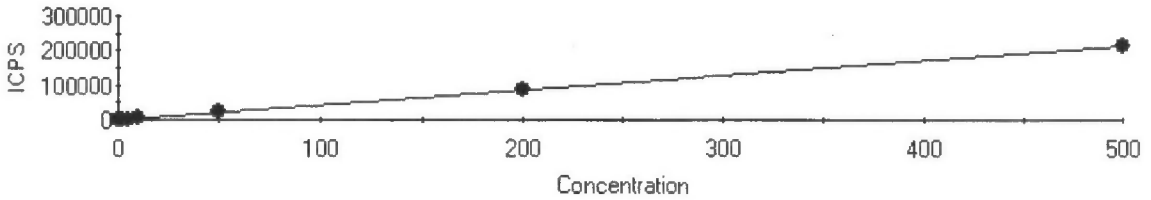
121Sb FQ Block 1



Intercept CPS=44.250634 Intercept Conc=0.024552
Sensitivity=1802.349806 Correlation Coeff=0.999898

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	44.25	0.00
S2	2.000	1.805	0.195	3297.85	9.74
S5	5.000	4.678	0.322	8475.67	6.44
S10	10.000	9.452	0.548	17080.32	5.48
S50	50.000	47.114	2.886	84960.03	5.77
S200	200.000	193.893	6.107	349507.34	3.05
S500	500.000	502.746	2.746	906169.03	0.55

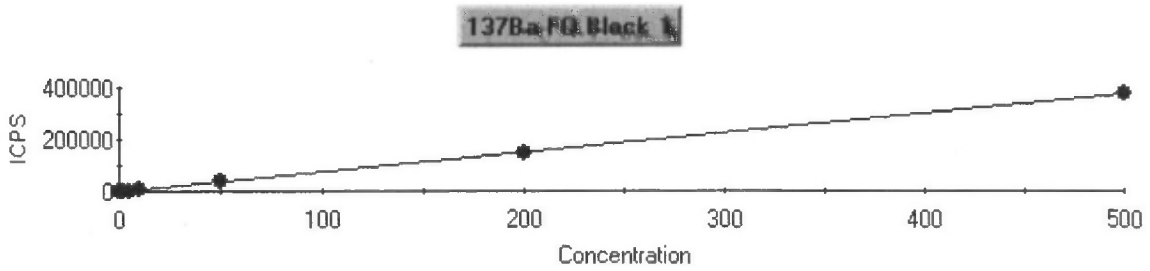
135Ba FQ Block 1



Intercept CPS=3.434434 Intercept Conc=0.008067
Sensitivity=425.762892 Correlation Coeff=0.999977

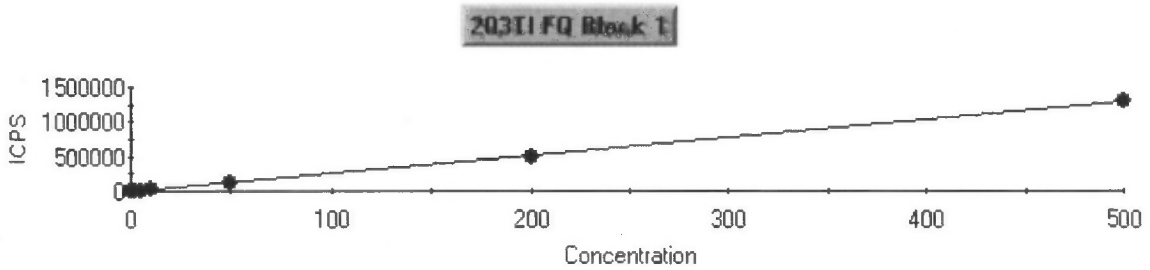
Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	3.43	0.00
S2	2.000	1.908	0.092	815.77	4.60
S5	5.000	4.950	0.050	2110.94	1.00
S10	10.000	9.969	0.031	4248.06	0.31
S50	50.000	48.515	1.485	20659.34	2.97

S200	200.000	197.236	2.764	83979.25	1.38
S500	500.000	501.256	1.256	213419.44	0.25



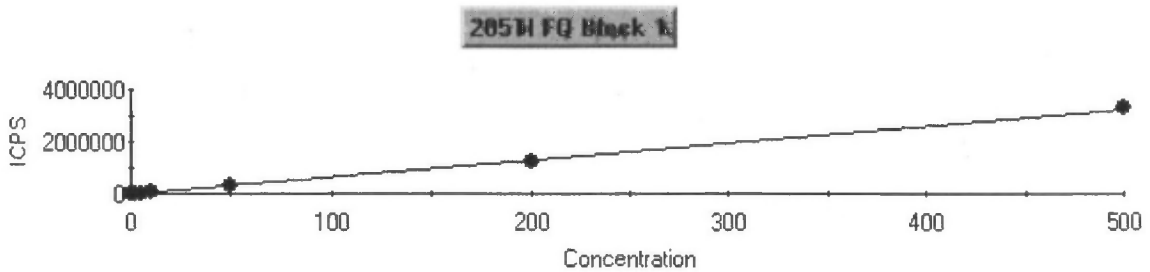
Intercept CPS=4.477790 Intercept Conc=0.005974
Sensitivity=749.512175 Correlation Coeff=0.999939

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	4.48	0.00
S2	2.000	1.930	0.070	1450.67	3.52
S5	5.000	4.885	0.115	3665.91	2.30
S10	10.000	9.888	0.112	7415.79	1.12
S50	50.000	47.862	2.138	35877.38	4.28
S200	200.000	195.344	4.656	146417.27	2.33
S500	500.000	502.080	2.080	376319.44	0.42



Intercept CPS=104.590924 Intercept Conc=0.040183
Sensitivity=2602.833119 Correlation Coeff=0.999877

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	104.59	0.00
S2	2.000	1.820	0.180	4841.24	9.01
S5	5.000	4.718	0.282	12385.29	5.64
S10	10.000	9.622	0.378	25150.02	3.78
S50	50.000	47.048	2.952	122561.60	5.90
S200	200.000	193.276	6.724	503168.75	3.36
S500	500.000	502.996	2.996	1309319.47	0.60

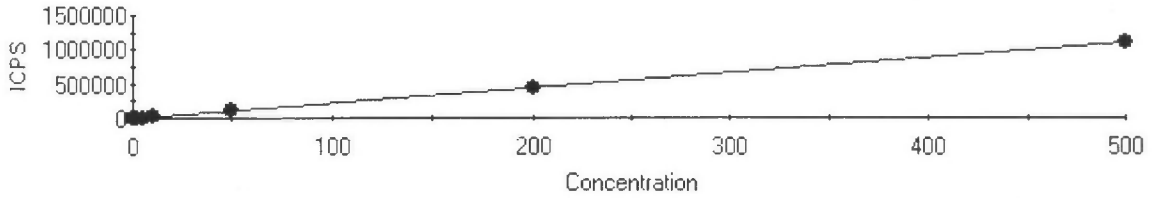


Intercept CPS=245.842275 Intercept Conc=0.037738
Sensitivity=6514.525927 Correlation Coeff=0.999650

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	245.84	0.00
S2	2.000	1.750	0.250	11644.08	12.52
S5	5.000	4.553	0.447	29904.62	8.95
S10	10.000	9.150	0.850	59856.30	8.50
S50	50.000	45.207	4.793	294745.65	9.59
S200	200.000	188.569	11.431	1228680.62	5.72

S500	500.000	505.074	5.074	3290565.98	1.01

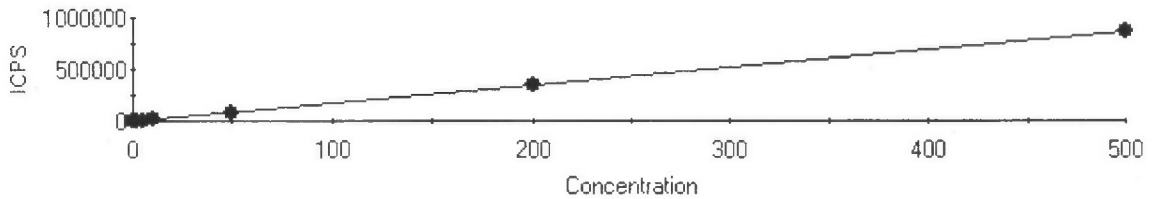
206Pb FQ Block 1



Intercept CPS=49.133391 Intercept Conc=0.022360
Sensitivity=2197.401371 Correlation Coeff=0.999905

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	49.13	0.00
S2	2.000	1.852	0.148	4117.81	7.42
S5	5.000	4.822	0.178	10644.02	3.57
S10	10.000	9.597	0.403	21137.10	4.03
S50	50.000	47.179	2.821	103721.36	5.64
S200	200.000	194.170	5.830	426719.13	2.91
S500	500.000	502.624	2.624	1104516.66	0.52

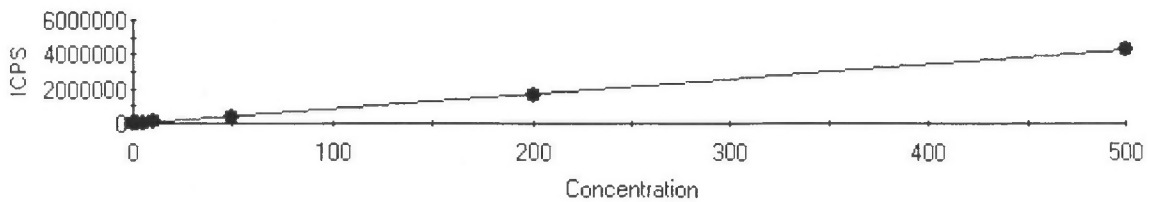
207Pb FQ Block 1



Intercept CPS=34.072915 Intercept Conc=0.019599
Sensitivity=1738.497373 Correlation Coeff=0.999936

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	34.07	0.00
S2	2.000	1.872	0.128	3288.69	6.40
S5	5.000	4.775	0.225	8335.06	4.50
S10	10.000	9.710	0.290	16915.08	2.90
S50	50.000	47.691	2.309	82943.98	4.62
S200	200.000	195.204	4.796	339396.49	2.40
S500	500.000	502.158	2.158	873033.96	0.43

208Pb FQ Block 1



Intercept CPS=183.874835 Intercept Conc=0.021728
Sensitivity=8462.734885 Correlation Coeff=0.999859

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	183.87	0.00
S2	2.000	1.809	0.191	15490.32	9.57
S5	5.000	4.729	0.271	40203.51	5.42
S10	10.000	9.524	0.476	80779.19	4.76
S50	50.000	46.852	3.148	396680.41	6.30
S200	200.000	192.808	7.192	1631864.99	3.60
S500	500.000	503.205	3.205	4258671.74	0.64

Dilution Corrected Concentrations

S0 07/07/2008 23:21:44

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	23:22:21	98.79%	-0.0045	-0.1430	-0.4131	-0.0891	-0.0820	-1.9531	98.07%
2	23:22:58	99.44%	0.0121	-0.2148	-0.3687	-0.5426	-0.1088	-0.7715	99.28%
3	23:23:34	100.61%	0.0007	-0.1834	-0.0012	-0.2271	-0.0803	0.1478	100.64%
4	23:24:11	100.13%	-0.0075	-0.0971	0.2800	0.0554	0.0018	-0.6473	100.62%
5	23:24:48	101.03%	-0.0008	0.6382	0.5029	0.8034	0.2693	3.2241	101.39%
x		100.00%	-0.0000	-0.0000	0.0000	0.0000	0.0000	-0.0000	100.00%
%RSD		0.90	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.32

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	23:22:21	0.0233	-0.0087	0.0006	ID -0.0839	-0.0080	1.1760	-7.0778	-0.0015
2	23:22:58	-0.0029	-0.0132	0.0124	ID 0.0160	-0.0138	-0.0237	-5.6767	0.0014
3	23:23:34	0.0105	0.0289	0.0092	ID -0.0158	0.0070	-0.9646	-4.5128	-0.0016
4	23:24:11	-0.0151	-0.0127	-0.0240	ID 0.0529	0.0012	0.2987	-7.0946	-0.0005
5	23:24:48	-0.0158	0.0056	0.0018	ID 0.0308	0.0136	-0.4864	-10.4490	0.0023
x		-0.0000	-0.0000	0.0000	ID 0.0000	-0.0000	0.0000	-6.9621	0.0000
%RSD		0.0000	0.0000	0.0000	ID 0.0000	0.0000	0.0000	31.9880	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	23:22:21	0.0011	-0.0008	-0.0002	-0.0720	0.0578	-0.0583	0.1691	-0.5684
2	23:22:58	-0.0154	-0.0084	-0.0161	-0.0478	-0.0133	-0.0169	0.0128	0.3890
3	23:23:34	0.0145	-0.0031	-0.0057	-0.0683	0.0010	-0.2492	0.0534	-0.2646
4	23:24:11	-0.0138	-0.0086	0.0027	0.0107	-0.0334	0.2031	-0.1519	-0.1789
5	23:24:48	0.0136	0.0209	0.0193	0.1775	-0.0122	0.1213	-0.0833	0.6229
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	23:22:21	97.47%	-0.0087	-0.1713	-0.0100	-0.0031	-0.0017	96.90%	0.0000
2	23:22:58	98.40%	-0.0067	-0.3065	-0.0022	-0.0012	0.0008	98.95%	0.0000
3	23:23:34	100.40%	-0.0062	0.1360	-0.0053	0.0048	0.0003	100.25%	0.0000
4	23:24:11	101.29%	0.0016	-0.0297	0.0007	-0.0013	-0.0008	101.47%	0.0000
5	23:24:48	102.43%	0.0199	0.3714	0.0169	0.0008	0.0014	102.42%	0.0000
x		100.00%	0.0000	-0.0000	0.0000	0.0000	-0.0000	100.00%	0.0000
%RSD		2.04	0.0000	0.0000	0.0000	0.0000	0.0000	2.17	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	23:22:21	-0.0103	-0.0081	-0.0025	T 97.81%	-0.0048	-0.0049	-0.0031	0.0032
2	23:22:58	-0.0021	-0.0081	-0.0026	96.68%	0.0048	-0.0049	-0.0062	-0.0035
3	23:23:34	-0.0010	0.0038	0.0041	98.28%	-0.0058	-0.0021	-0.0065	0.0047
4	23:24:11	-0.0014	-0.0023	-0.0027	T 103.17%	0.0025	0.0061	-0.0001	-0.0028
5	23:24:48	0.0146	0.0147	0.0037	T 104.05%	0.0033	0.0059	0.0160	-0.0016
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 3.36	0.0000	0.0000	0.0000	0.0000

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	23:22:21	0.0014	94.53%	0.0000
2	23:22:58	-0.0019	98.43%	0.0000
3	23:23:34	-0.0024	100.81%	0.0000
4	23:24:11	-0.0018	102.40%	0.0000
5	23:24:48	0.0047	103.83%	0.0000
x		-0.0000	100.00%	0.0000
%RSD		0.0000	3.66	0.0000

S2 07/07/2008 23:27:38

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	23:28:15	97.71%	1.9668	2.3458	2.8417	2.0606	2.8541	4.7874	95.06%
2	23:28:52	97.80%	1.8642	2.1982	2.7621	1.8673	2.7972	5.2979	96.71%
3	23:29:29	99.81%	1.9206	2.6122	2.5932	2.8603	2.9859	9.1157	99.01%
4	23:30:05	99.08%	1.8096	2.4800	2.8802	3.1077	3.1351	6.9786	99.50%
5	23:30:42	100.35%	1.8859	2.6590	3.4090	2.3095	3.1006	5.0446	99.95%
x		98.95%	1.8894	2.4591	2.8972	2.4411	2.9745	6.2448	98.05%
%RSD		1.19	3.1290	7.7363	10.5830	21.5940	4.9798	29.1350	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	23:28:15	0.0417	1.8564	1.8284	ID 0.0847	1.7664	6.5237	4.1462	1.8424
2	23:28:52	0.0350	1.7733	1.7928	ID -0.0319	1.7866	4.7335	1.0180	1.8386
3	23:29:29	0.0262	1.8484	1.8079	ID 0.1399	1.7877	3.8709	-0.0872	1.8107
4	23:30:05	0.0010	1.8829	1.7857	ID 0.0247	1.7976	3.2479	-2.3800	1.8440
5	23:30:42	0.0032	1.8110	1.8172	ID 0.1636	1.8040	3.5695	-3.5707	1.7859
x		0.0214	1.8344	1.8064	ID 0.0762	1.7884	4.3891	-0.1747	1.8243
%RSD		86.4200	2.3298	0.9645	ID 106.0200	0.7977	29.9620	1728.8000	1.3918

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	23:28:15	1.9175	1.9158	1.9296	2.4074	2.1862	2.0740	2.4977	0.1341
2	23:28:52	1.8730	1.9036	1.8685	2.2216	1.7938	1.7322	1.8896	0.2175
3	23:29:29	1.8454	1.8788	1.9655	2.4161	1.9382	2.1154	1.8779	-0.1624
4	23:30:05	1.8902	1.9133	1.8397	2.4173	1.9468	2.4120	1.7100	-0.6252
5	23:30:42	1.9718	1.8542	1.8867	2.2938	1.8396	1.7888	1.6659	-0.1095
x		1.8996	1.8931	1.8980	2.3512	1.9409	2.0245	1.9282	-0.1091
%RSD		2.5346	1.3856	2.6290	3.7941	7.8186	13.5690	17.2920	302.2300

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	23:28:15	93.13%	1.7908	-1.8720	1.7786	1.9108	1.8314	92.01%	0.0000
2	23:28:52	95.51%	1.8875	-0.8049	1.8936	1.9402	1.8095	94.73%	0.0000
3	23:29:29	97.50%	1.8465	-0.6714	1.8170	1.9540	1.8220	97.60%	0.0000
4	23:30:05	99.19%	1.8602	-0.2957	1.8318	1.9352	1.8060	98.66%	0.0000
5	23:30:42	99.27%	1.8975	-0.6738	1.8520	1.9270	1.8660	98.78%	0.0000
x		96.92%	1.8565	-0.8635	1.8346	1.9335	1.8270	96.36%	0.0000
%RSD		2.70	2.2647	68.8950	2.3180	0.8270	1.3157	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	23:28:15	1.7221	1.9671	1.8606	87.87%	1.8578	1.7244	1.9397	1.9350
2	23:28:52	1.7865	1.8621	1.7950	T 94.93%	1.7704	1.7608	1.7426	1.8593
3	23:29:29	1.8530	1.8297	2.0642	94.53%	1.8009	1.7623	1.9002	1.8901
4	23:30:05	1.8722	1.9916	1.9706	96.13%	1.8238	1.7458	1.8107	1.9031
5	23:30:42	1.7923	1.8894	1.9572	T 100.72%	1.8462	1.7550	1.8648	1.7730
x		1.8052	1.9080	1.9295	T 94.84%	1.8198	1.7497	1.8516	1.8721
%RSD		3.3007	3.6186	5.4004	T 4.86	1.9327	0.8877	4.1706	3.2968

Run	Time	203Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	23:28:15	1.8208	88.86%	0.0000
2	23:28:52	1.7820	92.85%	0.0000
3	23:29:29	1.8334	96.17%	0.0000
4	23:30:05	1.8088	97.69%	0.0000
5	23:30:42	1.7984	98.53%	0.0000
x		1.8087	94.82%	0.0000
%RSD		1.0966	4.19	0.0000

S5 07/07/2008 23:33:32

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	23:34:09	95.65%	5.1150	4.8411	4.3864	4.8367	6.0734	10.4760	93.71%
2	23:34:45	98.33%	4.9971	5.3335	4.9648	6.1245	5.8765	10.3230	96.45%
3	23:35:22	99.56%	5.1888	5.3568	6.0951	5.1532	6.1980	9.5532	97.20%
4	23:35:59	99.47%	4.9833	5.4330	5.2906	5.2791	6.0656	9.6598	97.20%
5	23:36:36	100.01%	5.0271	5.3950	5.8387	5.3742	6.0663	9.5931	98.76%
x		98.60%	5.0623	5.2719	5.3151	5.3536	6.0559	9.9209	96.66%
%RSD		1.79	1.7255	4.6236	12.8580	8.8973	1.8988	4.4510	1.92

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:34:09	0.0599	4.8834	4.7312	ID 0.2525	4.6735	8.7828	13.2980	4.8011
2	23:34:45	0.0452	4.7890	4.5969	ID 0.1470	4.5700	6.3145	8.8289	4.7451
3	23:35:22	0.0105	4.8217	4.6741	ID 0.2048	4.6617	6.6999	7.3904	4.8229
4	23:35:59	0.0063	4.6579	4.6341	ID 0.3077	4.7231	7.1720	0.2715	4.7335
5	23:36:36	0.0128	4.8139	4.5783	ID 0.2973	4.5831	6.1353	4.4027	4.6808
x		0.0269	4.7932	4.6429	ID 0.2419	4.6423	7.0209	6.8384	4.7567
%RSD		89.2400	1.7367	1.3245	ID 27.6630	1.3878	15.1300	71.2860	1.1882

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	23:34:09	4.8594	4.8817	4.9493	4.9790	5.0691	5.4067	4.9716	0.6517
2	23:34:45	4.9409	4.8633	4.9703	5.2040	4.9279	4.9863	5.0303	-0.5262
3	23:35:22	4.8441	4.9042	5.0203	5.3331	5.1461	5.5358	4.8739	-0.1552
4	23:35:59	4.8317	4.8909	5.0973	5.4231	4.6990	4.7333	5.0085	0.8701
5	23:36:36	4.8544	4.9652	4.8915	5.2654	4.9433	5.0132	5.0534	-0.3206
x		4.8661	4.9011	4.9857	5.2409	4.9571	5.1351	4.9875	0.1040
%RSD		0.8866	0.7923	1.5568	3.1965	3.4343	6.4053	1.4096	595.2200

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	23:34:09	91.29%	4.6537	-1.7021	4.7592	4.9909	4.8260	88.97%	0.0000
2	23:34:45	94.37%	4.7604	-0.6471	4.7126	4.9704	4.7711	93.14%	0.0000
3	23:35:22	95.81%	4.6444	-0.6773	4.7105	5.0180	4.6730	94.98%	0.0000
4	23:35:59	96.98%	4.6748	-1.1998	4.7647	4.7041	4.7625	95.64%	0.0000
5	23:36:36	96.97%	4.7154	-0.4315	4.7572	4.8542	4.8700	96.69%	0.0000
x		95.08%	4.6898	-0.9316	4.7408	4.9075	4.7805	93.88%	0.0000
%RSD		2.50	1.0237	55.2940	0.5670	2.6437	1.5529	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	23:34:09	4.5613	4.6723	4.8777	85.69%	4.6100	4.5506	4.7454	4.7457
2	23:34:45	4.6877	4.9964	5.1386	89.67%	4.6861	4.5122	4.7339	4.8030
3	23:35:22	4.6421	4.9669	4.6375	92.01%	4.7596	4.5805	4.7992	4.7533
4	23:35:59	4.8029	5.0773	4.8820	93.58%	4.7104	4.5343	4.9624	4.8596
5	23:36:36	4.6961	5.0369	4.8896	93.76%	4.8249	4.5860	4.8668	4.7124
x		4.6780	4.9500	4.8851	90.94%	4.7182	4.5527	4.8216	4.7748
%RSD		1.8795	3.2466	3.6282	3.70	1.7050	0.6826	1.9642	1.2033

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	23:34:09	4.7563	85.99%	0.6755
2	23:34:45	4.6894	90.70%	0.0000
3	23:35:22	4.7199	93.06%	0.0000
4	23:35:59	4.7584	94.64%	0.0000
5	23:36:36	4.7207	95.48%	0.0000
x		4.7289	91.97%	0.1351
%RSD		0.6098	4.14	223.6100

S10 07/07/2008 23:39:26

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	23:40:03	97.85%	9.9827	9.9933	9.7034	10.7860	10.6290	12.5370	94.47%
2	23:40:40	98.79%	10.3420	11.0240	10.9430	10.8530	10.8370	12.3660	97.14%
3	23:41:16	100.62%	9.8054	10.5780	10.8830	10.9740	10.8280	13.8420	98.75%
4	23:41:53	100.87%	10.0790	11.0010	10.8550	9.8914	10.8940	15.4790	99.80%
5	23:42:30	101.55%	10.0900	10.5220	10.0570	9.7197	10.7430	15.4780	100.09%
x		99.94%	10.0600	10.6240	10.4880	10.4450	10.7860	13.9400	98.05%
%RSD		1.55	1.9365	3.9741	5.4337	5.6536	0.9559	10.8740	2.36

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:40:03	0.0485	9.7339	9.6869	ID 0.5049	9.5289	11.9460	13.4970	9.6159
2	23:40:40	0.0664	9.6768	9.6076	ID 0.5769	9.5195	9.3457	7.5602	9.3892
3	23:41:16	0.0156	9.3714	9.4892	ID 0.5735	9.5629	10.1760	7.7301	9.6485
4	23:41:53	0.0292	9.5873	9.4991	ID 0.4823	9.4370	8.0981	8.4888	9.4073
5	23:42:30	-0.0024	9.2834	9.2528	ID 0.6861	9.4080	8.2788	2.3711	9.4425
x		0.0314	9.5305	9.5071	ID 0.5647	9.4913	9.5691	7.9294	9.5007
%RSD		85.8780	2.0477	1.7242	ID 14.0920	0.6914	16.4390	49.8020	1.2855

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	23:40:03	9.8469	9.9459	10.1210	9.8908	10.0230	10.2590	9.4955	0.4938
2	23:40:40	9.7851	9.7217	9.9995	10.1830	10.0420	10.4170	10.2420	-0.3928
3	23:41:16	10.0200	9.7237	9.7989	10.1080	9.9161	10.6900	9.1260	0.4841
4	23:41:53	9.6352	9.4813	9.9758	10.0780	9.8401	9.6578	9.3714	0.6962
5	23:42:30	9.5182	9.5969	9.6775	10.2740	9.5740	10.0920	9.0395	0.1583
x		9.7611	9.6939	9.9145	10.1070	9.8789	10.2230	9.4549	0.2879
%RSD		1.9830	1.7851	1.7698	1.4105	1.9140	3.7668	5.0409	148.1500

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:40:03	91.95%	9.5656	-1.8012	9.6000	10.1190	9.8491	90.89%	0.0000
2	23:40:40	95.77%	9.4426	-0.4930	9.5251	9.9557	9.7965	95.27%	0.0000
3	23:41:16	97.53%	9.5484	-0.5067	9.5544	10.0970	9.7063	98.06%	0.0000
4	23:41:53	99.36%	9.4884	-0.9781	9.4908	9.8474	9.7614	99.49%	0.0000
5	23:42:30	99.84%	9.5215	0.4152	9.5631	9.4376	9.7515	99.87%	0.0000
x		96.89%	9.5133	-0.6728	9.5467	9.8914	9.7730	96.71%	0.0000
%RSD		3.30	0.5167	120.0700	0.4307	2.7968	0.5460	3.85	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	23:40:03	9.4885	10.1310	10.1760	87.52%	9.6712	9.2159	9.5656	9.8063
2	23:40:40	9.3273	9.7583	9.9853	T 96.04%	9.6466	9.1645	9.6798	9.5713
3	23:41:16	9.4372	9.5291	9.7223	T 98.70%	9.5903	9.1727	9.4950	9.6523
4	23:41:53	9.4499	10.3380	9.8010	T 100.18%	9.4675	9.0594	9.7081	9.7383
5	23:42:30	9.5578	10.0920	9.7562	T 101.90%	9.7363	9.1394	9.5354	9.7824
x		9.4521	9.9695	9.8882	T 96.87%	9.6224	9.1504	9.5968	9.7101
%RSD		0.8899	3.2311	1.9246	T 5.83	1.0519	0.6321	0.9661	1.0023

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	23:40:03	9.5371	88.43%	0.0000
2	23:40:40	9.5875	93.82%	0.0000
3	23:41:16	9.4300	97.23%	0.0000
4	23:41:53	9.5440	99.18%	0.0000
5	23:42:30	9.5192	100.50%	0.0000
x		9.5236	95.83%	0.0000
%RSD		0.6093	5.06	0.0000

S50 07/07/2008 23:45:21

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	23:45:58	98.65%	49.3880	49.7450	51.3080	50.4970	49.3440	55.0130	94.63%
2	23:46:34	99.28%	49.5340	49.5570	50.7480	52.2950	49.9920	50.8900	95.92%
3	23:47:11	100.36%	48.9800	49.9770	50.3140	48.3980	50.2640	52.4240	95.78%
4	23:47:47	100.33%	49.2240	51.2580	50.5570	50.4600	50.1450	51.6450	97.41%
5	23:48:24	100.78%	49.2940	49.4540	53.6060	50.8070	50.4610	54.0210	97.23%
x		99.88%	49.2840	49.9980	51.3070	50.4910	50.0420	52.7990	96.19%
%RSD		0.88	0.4175	1.4637	2.6055	2.7540	0.8507	3.2131	1.19

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:45:58	0.0553	46.7000	46.8650	ID 2.7956	46.7740	49.3280	54.1450	47.1540
2	23:46:34	0.0333	47.0690	46.8440	ID 2.8798	46.4700	47.7920	44.0980	46.9310
3	23:47:11	0.0179	47.0460	47.1540	ID 2.8676	46.6770	49.2460	47.8990	46.6190
4	23:47:47	0.0047	47.0470	47.0040	ID 2.7876	46.7290	48.0830	47.2160	47.0960
5	23:48:24	-0.0105	46.9490	47.0000	ID 2.7979	46.3940	47.3380	49.7070	46.7100
x		0.0201	46.9620	46.9730	ID 2.8257	46.6090	48.3580	48.6130	46.9020
%RSD		126.4500	0.3272	0.2664	ID 1.5642	0.3588	1.8400	7.6031	0.4993

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	23:45:58	48.4100	47.4420	47.7560	48.4780	48.4550	48.6260	48.8050	0.7718
2	23:46:34	48.5890	47.4650	48.1220	47.7890	48.2040	47.9370	48.5720	0.2370
3	23:47:11	47.8090	47.7760	47.5370	48.3690	48.6720	48.8800	48.9970	-0.6247
4	23:47:47	47.8310	47.4680	47.6090	48.7790	47.8260	48.8600	47.2160	-0.8855
5	23:48:24	47.3870	46.9280	47.9280	48.4740	48.1990	47.6530	48.3800	-0.6797
x		48.0050	47.4160	47.7900	48.3780	48.2710	48.3910	48.3940	-0.2362
%RSD		1.0184	0.6440	0.4987	0.7503	0.6568	1.1623	1.4432	300.0200

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	23:45:58	92.67%	47.3580	-2.1398	47.1930	48.2360	48.4530	91.51%	0.0000
2	23:46:34	95.11%	47.3620	0.3399	47.4660	48.9060	47.9540	94.26%	0.0000
3	23:47:11	95.73%	46.7890	0.0625	47.1930	48.6730	47.7540	95.14%	0.0000
4	23:47:47	96.24%	47.4450	0.3374	47.1220	48.7170	48.1020	96.19%	0.0000
5	23:48:24	97.38%	46.5410	-0.1373	47.1030	47.6750	47.5350	97.56%	0.0000
x		95.43%	47.0990	-0.3075	47.2150	48.4410	47.9600	94.93%	0.0000
%RSD		1.84	0.8640	339.4800	0.3086	1.0192	0.7274	2.40	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	23:45:58	47.0740	48.6050	48.7620	88.57%	47.1760	45.2720	47.4270	47.8750
2	23:46:34	46.6570	48.4670	47.8750	T 95.26%	46.7380	44.8810	46.9120	48.0740
3	23:47:11	47.3630	48.6170	48.3830	93.16%	47.1930	45.4340	47.3500	47.5440
4	23:47:47	47.2220	48.9700	46.8440	T 98.31%	47.0540	45.2650	46.7650	47.3580
5	23:48:24	47.2540	47.9160	47.4440	T 99.00%	47.0770	45.1820	47.4440	47.6020
x		47.1140	48.5150	47.8620	T 94.86%	47.0480	45.2070	47.1790	47.6910
%RSD		0.5851	0.7890	1.5823	T 4.46	0.3894	0.4509	0.6739	0.5939

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	23:45:58	46.8500	89.99%	0.0000
2	23:46:34	46.7800	93.87%	0.0000
3	23:47:11	46.9110	95.75%	0.0000
4	23:47:47	46.7350	96.85%	0.0000
5	23:48:24	46.9850	97.69%	0.0000
x		46.8520	94.83%	0.0000
%RSD		0.2138	3.23	0.0000

S200 07/07/2008 23:51:15

User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:51:52	96.23%	198.3500	193.6900	199.5500	194.0500	196.6700	210.2500	90.26%
2	23:52:28	95.66%	201.0700	197.3900	199.5300	199.7500	197.0500	210.4300	91.22%
3	23:53:05	97.40%	198.9800	197.7100	197.6500	202.3900	196.6400	202.7000	93.04%
4	23:53:41	96.89%	200.2500	203.6400	212.4200	208.8100	199.1600	203.7200	92.57%
5	23:54:18	97.23%	200.0600	204.1100	211.5300	210.5800	197.8100	207.7700	92.94%
x		96.68%	199.7400	199.3100	204.1400	203.1200	197.4700	206.9700	92.01%
%RSD		0.75	0.5389	2.2392	3.5288	3.3225	0.5348	1.7465	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	23:51:52	0.0647	196.0400	194.6200	ID 11.5980	193.5900	197.1500	208.1500	195.7400
2	23:52:28	0.0643	195.4100	193.4600	ID 11.7340	195.1900	197.6600	197.4300	195.4500
3	23:53:05	0.0434	192.6100	192.4900	ID 11.7190	192.0900	194.6600	200.1200	195.3400
4	23:53:41	0.0192	195.6500	194.2700	ID 11.9530	194.5600	198.5300	205.3900	196.3800
5	23:54:18	0.0085	195.7900	193.5000	ID 11.8510	194.0000	196.8100	207.0700	196.7700
x		0.0400	195.1000	193.6700	ID 11.7710	193.8900	196.9600	203.6300	195.9400
%RSD		64.1000	0.7231	0.4275	ID 1.1500	0.6052	0.7327	2.2795	0.3154

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	23:51:52	197.0500	195.2000	197.1900	198.4800	199.8700	199.8000	203.3400	0.8148
2	23:52:28	197.5000	193.9900	195.4900	196.2700	197.9800	202.0000	199.9600	1.0224
3	23:53:05	195.5900	193.4800	195.1700	198.3000	195.2100	198.4100	197.6600	0.2287
4	23:53:41	197.5900	196.4800	198.9100	197.4600	197.8300	195.4800	197.1900	0.7741
5	23:54:18	199.0200	194.4000	196.4700	198.4200	196.9300	196.8500	196.5000	0.2111
x		197.3500	194.7100	196.6500	197.7900	197.5600	198.5100	198.9300	0.6102
%RSD		0.6227	0.6023	0.7621	0.4770	0.8592	1.2784	1.4001	60.4100

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	23:51:52	88.17%	193.2500	-2.1631	194.8000	197.0400	195.8200	86.66%	0.0000
2	23:52:28	90.44%	192.8300	-0.7219	193.8000	198.6600	194.8900	89.92%	0.0000
3	23:53:05	92.59%	194.0200	0.6271	194.2400	198.2700	196.1600	91.55%	0.0000
4	23:53:41	92.93%	193.1200	-2.1756	194.3100	198.4700	197.5100	93.22%	0.0000
5	23:54:18	93.06%	192.7800	-1.4831	191.7600	196.1700	194.6400	94.20%	0.0000
x		91.44%	193.2000	-1.1833	193.7800	197.7200	195.8000	91.11%	0.0000
%RSD		2.31	0.2581	99.3200	0.6121	0.5448	0.5839	3.27	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:51:52	191.7700	199.3000	198.4600	83.20%	192.6100	186.7900	194.2100	195.4500
2	23:52:28	193.3100	199.1600	196.9900	87.42%	192.6900	188.8000	194.1200	194.4100
3	23:53:05	195.7700	198.4600	197.0700	89.78%	193.9300	189.6700	194.4200	195.2800
4	23:53:41	194.0500	194.9300	193.7200	T 95.05%	193.6200	188.3800	193.9900	195.8100
5	23:54:18	194.5700	194.3400	190.4800	T 95.50%	193.5300	189.1900	194.1100	195.0700
x		193.8900	197.2400	195.3400	T 90.19%	193.2800	188.5700	194.1700	195.2000
%RSD		0.7673	1.2193	1.6536	T 5.77	0.3055	0.5837	0.0834	0.2663

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	23:51:52	192.0900	85.39%	0.0000
2	23:52:28	192.2800	89.72%	0.0000
3	23:53:05	193.2000	92.36%	0.0000
4	23:53:41	193.2600	94.46%	0.0000
5	23:54:18	193.2100	94.97%	0.0000
x		192.8100	91.38%	0.0000
%RSD		0.2964	4.31	0.0000

S500 07/07/2008 23:57:09

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	23:57:46	93.75%	503.1600	498.4800	502.1800	496.7400	505.6700	508.9400	87.88%
2	23:58:23	95.94%	499.8800	498.6600	506.6300	503.4400	502.4000	516.7400	89.74%
3	23:58:59	96.58%	498.9700	506.9700	512.1000	519.0800	498.5600	511.5700	91.46%
4	23:59:36	96.60%	500.6600	520.3300	526.3000	519.1300	499.5200	514.4900	91.33%
5	00:00:13	96.15%	498.2000	519.8000	529.0200	529.8600	498.7400	508.5500	91.70%
x		95.81%	500.1700	508.8500	515.2500	513.6500	500.9800	512.0600	90.42%
%RSD		1.24	0.3814	2.1227	2.3101	2.5985	0.6072	0.6914	1.79

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:57:46	0.0476	T 509.7700	508.6000	ID 29.5620	509.4100	507.2800	518.8700	T 511.6600
2	23:58:23	0.0021	T 502.6300	504.0400	ID 29.5100	509.9700	505.8500	504.2300	T 502.3700
3	23:58:59	0.0312	T 502.1500	500.9800	ID 29.9470	T 497.8000	509.5500	514.6900	T 497.4100
4	23:59:36	-0.0236	T 502.0600	502.4900	ID 30.0680	T 498.0000	514.1500	499.3500	T 499.9200
5	00:00:13	0.0366	T 494.7700	498.1400	ID 30.3710	T 498.8100	514.0800	499.7000	T 498.3800
x		0.0188	T 502.2800	502.8500	ID 29.8920	T 502.8000	510.1800	507.3700	T 501.9500
%RSD		154.8100	T 1.0570	0.7722	ID 1.2049	T 1.2544	0.7499	1.7594	T 1.1442

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	23:57:46	509.4500	508.2200	507.0600	502.3900	506.9700	509.6000	508.5900	0.1044
2	23:58:23	501.0900	503.9600	505.2000	500.9300	501.7400	503.6700	502.2500	0.6935
3	23:58:59	498.6600	500.2100	501.4800	499.9200	500.9000	496.7500	500.2100	0.7407
4	23:59:36	500.2500	503.3700	499.2300	499.6600	497.8500	497.0900	496.7800	0.6732
5	00:00:13	496.8900	496.1600	494.8500	502.3100	498.2900	496.6600	495.1600	1.0281
x		501.2700	502.3800	501.5600	501.0400	501.1500	500.7500	500.6000	0.6480
%RSD		0.9671	0.8957	0.9658	0.2566	0.7283	1.1516	1.0519	51.8340

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	23:57:46	86.81%	505.1800	-1.6041	502.4400	502.3900	501.1200	86.34%	0.0000
2	23:58:23	89.50%	500.1900	-0.9438	501.1200	498.2600	498.6300	90.58%	0.0000
3	23:58:59	91.03%	504.8200	-1.8908	505.7400	503.5800	504.0900	92.18%	0.0000
4	23:59:36	92.60%	503.1800	4.6931	501.6200	500.6700	503.5500	93.39%	0.0000
5	00:00:13	92.93%	501.7500	0.3071	502.9800	500.4500	502.0700	94.95%	0.0000
x		90.57%	503.0200	0.1123	502.7800	501.0700	501.8900	91.48%	0.0000
%RSD		2.77	0.4165	2401.9000	0.3585	0.4053	0.4322	3.60	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	23:57:46	499.3800	503.8500	506.9200	83.49%	501.6400	501.2100	503.3000	502.1600
2	23:58:23	497.9200	501.9500	500.5300	87.97%	501.4600	503.6900	504.7400	501.8500
3	23:58:59	503.0000	503.5400	502.4100	91.07%	505.1800	506.8300	503.3100	500.9600
4	23:59:36	506.9400	500.9000	500.5400	92.92%	500.9400	504.3000	499.8700	500.9000
5	00:00:13	506.4900	496.0400	500.0000	94.43%	505.7600	509.3600	501.9100	504.9200
x		502.7500	501.2600	502.0800	89.98%	503.0000	505.0700	502.6200	502.1600
%RSD		0.8093	0.6292	0.5691	4.84	0.4536	0.6175	0.3656	0.3260

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	23:57:46	502.4400	85.83%	0.0000
2	23:58:23	502.1600	90.88%	0.0000
3	23:58:59	503.2700	94.47%	0.0000
4	23:59:36	502.0500	97.17%	0.5977
5	00:00:13	506.1100	98.34%	0.0000
x		503.2000	93.34%	0.1196
%RSD		0.3361	5.45	223.6100

S1000 07/08/2008 00:03:05

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	00:03:42	94.92%	974.4200	978.5100	976.1600	982.7500	T 958.3600	1016.7000	86.91%
2	00:04:18	94.69%	977.4000	985.9100	988.3000	990.1900	T 954.8300	1009.5000	88.17%
3	00:04:55	94.40%	980.2800	998.8500	1014.0000	1016.6000	T 951.0400	1018.9000	88.55%
4	00:05:31	96.18%	966.4700	995.3300	1006.5000	1008.6000	T 952.2200	991.4200	88.63%
5	00:06:08	96.03%	977.9900	1005.8000	1013.7000	1023.5000	T 947.6000	1004.4000	89.39%
x		95.24%	975.3100	992.8700	999.7400	1004.3000	T 952.8100	1008.2000	88.33%
%RSD		0.85	0.5502	1.0831	1.6825	1.7254	T 0.4247	1.0905	1.03
Run	**Time**	**47Ti**	**51V**	**52Cr**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:03:42	0.0743	T 975.3100	T 971.8900	ID 59.1110	T 978.4900	1017.5000	1008.2000	T 996.4400
2	00:04:18	0.0209	T 965.9200	T 965.4200	ID 58.2480	T 967.9300	1020.6000	1003.8000	T 971.3100
3	00:04:55	0.0494	T 971.4500	T 966.3300	ID 59.0310	T 973.6700	1032.5000	996.3300	T 979.5400
4	00:05:31	0.0370	T 979.2900	T 970.3700	ID 58.6840	T 978.9300	1031.8000	978.3800	T 983.7100
5	00:06:08	0.0207	T 968.2100	T 962.2200	ID 59.0610	T 970.9600	1032.6000	1026.3000	T 975.7200
x		0.0405	T 972.0300	T 967.2500	ID 58.8270	T 974.0000	1027.0000	1002.6000	T 981.3400
%RSD		55.3810	T 0.5535	T 0.4030	ID 0.6205	T 0.4890	0.7132	1.7424	T 0.9788
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	00:03:42	1006.3000	T 993.5500	1002.8000	984.8900	992.1100	991.5700	993.1100	0.8720
2	00:04:18	993.7400	T 991.6100	1008.2000	986.0800	987.7500	985.6800	971.4900	1.3721
3	00:04:55	1002.9000	T 989.0300	999.7100	983.0200	985.8500	976.7700	983.9600	2.0788
4	00:05:31	990.5500	T 981.6800	984.2300	988.5700	985.6000	966.3400	968.6000	0.8265
5	00:06:08	982.5300	T 978.0600	988.8900	984.4100	985.0000	967.1600	976.2400	2.1652
x		995.2100	T 986.7900	996.7700	985.3900	987.2600	977.5000	978.6800	1.4629
%RSD		0.9626	T 0.6729	0.9968	0.2118	0.2934	1.1402	1.0156	43.7020
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	00:03:42	86.09%	T 986.2100	2.2168	T 991.1000	991.7400	1006.0000	86.14%	0.0000
2	00:04:18	87.76%	T 982.2000	1.1321	T 989.0800	995.9600	1005.5000	88.31%	0.0000
3	00:04:55	89.01%	T 978.7300	3.6814	T 982.4600	987.3500	1000.5000	90.13%	0.0000
4	00:05:31	89.57%	T 983.3200	1.7230	T 988.5700	994.8700	1006.4000	90.49%	0.0000
5	00:06:08	89.60%	T 981.0400	0.1050	T 985.4600	993.8300	1001.5000	91.59%	0.0000
x		88.41%	T 982.3000	1.7717	T 987.3300	992.7500	1004.0000	89.33%	0.0000
%RSD		1.69	T 0.2819	74.8520	T 0.3436	0.3421	0.2757	2.39	0.0000
Run	**Time**	**121Sb**	**135Ba**	**137Ba**	**159Tb**	**203Tl**	**205Tl**	**206Pb**	**207Pb**
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:03:42	M 1007.0000	994.9700	996.8200	84.33%	1018.4000	T 965.4700	T 1014.1000	1005.0000
2	00:04:18	M 1008.2000	993.3500	993.0900	87.46%	1023.1000	T 965.9000	T 1010.3000	1007.8000
3	00:04:55	M 1011.7000	986.0700	988.1400	89.56%	1020.5000	T 963.6700	T 1012.0000	1010.1000
4	00:05:31	M 1013.9000	985.2400	992.8800	90.59%	1018.4000	T 964.1200	T 1014.6000	1005.1000
5	00:06:08	M 1014.7000	989.6800	991.5400	91.20%	1025.4000	T 966.9400	T 1015.3000	1013.1000
x		M 1011.1000	989.8600	992.4900	88.63%	1021.2000	T 965.2200	T 1013.3000	1008.2000
%RSD		M 0.3344	0.4345	0.3151	3.15	0.3000	T 0.1380	T 0.2040	0.3420
Run	**Time**	**208Pb**	**209Bi**	**220Bkg**					
		ug/L	ug/L	ug/L					
1	00:03:42	T 990.2000	87.12%	0.0000					
2	00:04:18	T 991.4200	90.49%	0.0000					
3	00:04:55	T 989.1500	92.98%	0.0000					
4	00:05:31	T 988.5300	94.45%	0.0000					
5	00:06:08	T 993.6600	95.28%	1.2192					
x		T 990.5900	92.07%	0.2438					
%RSD		T 0.2058	3.60	223.6100					

S1500 07/08/2008 00:09:00

User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:09:36	95.40%	0.2310	1465.0000	1436.6000	1469.5000	0.7424	1493.4000	87.78%
2	00:10:13	97.15%	0.3011	1499.5000	1471.6000	1493.1000	0.8396	1491.5000	90.21%
3	00:10:50	98.61%	0.4070	1506.9000	1494.8000	1502.4000	0.8802	1525.1000	91.35%
4	00:11:26	98.51%	0.3105	1513.4000	1520.7000	1532.1000	0.7792	1508.3000	92.54%
5	00:12:03	99.76%	0.3262	1522.4000	1511.4000	1507.4000	0.7855	1513.0000	93.05%
x		97.89%	0.3152	1501.4000	1487.0000	1500.9000	0.8054	1506.2000	90.99%
%RSD		1.71	19.9860	1.4679	2.2723	1.5139	6.7491	0.9322	2.31

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:09:36	0.0417	0.2414	0.2960	ID 60.3430	0.1958	1543.8000	1480.2000	0.2053
2	00:10:13	0.0497	0.2986	0.3691	ID 60.4420	0.3353	T 1493.9000	1511.3000	0.2985
3	00:10:50	0.0358	0.3688	0.4434	ID 61.0040	0.4151	T 1503.5000	1493.5000	0.4145
4	00:11:26	0.0047	0.3334	0.3901	ID 61.0390	0.3472	1561.1000	1506.9000	0.3528
5	00:12:03	0.0186	0.3571	0.3556	ID 60.9410	0.3163	T 1495.0000	1513.5000	0.3675
x		0.0301	0.3199	0.3708	ID 60.7540	0.3219	T 1519.5000	1501.1000	0.3277
%RSD		60.5750	16.0740	14.4430	ID 0.5488	24.7700	T 2.0379	0.9334	24.4110

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	00:09:36	0.2521	0.4889	0.5140	1.0932	0.2611	0.1127	0.4186	-0.0645
2	00:10:13	0.4494	0.5356	0.5699	0.9984	0.3758	0.5665	0.4197	0.1330
3	00:10:50	0.4746	0.5730	0.6254	1.1298	0.5476	-0.0754	0.7122	-0.2742
4	00:11:26	0.3965	0.5180	0.5275	1.1501	0.3160	0.0175	0.1963	0.4556
5	00:12:03	0.4310	0.5060	0.4819	1.2208	0.4814	0.0681	0.8009	-0.7187
x		0.4007	0.5243	0.5438	1.1184	0.3964	0.1379	0.5096	-0.0938
%RSD		21.9130	6.1281	10.2100	7.2997	29.6530	181.0100	48.1120	470.0700

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:09:36	86.07%	0.4929	-1.6909	0.4721	0.2071	0.2087	86.00%	0.0000
2	00:10:13	89.01%	0.5007	-0.5726	0.4853	0.2546	0.2786	89.26%	0.0000
3	00:10:50	91.24%	0.5093	-0.9340	0.5142	0.3821	0.3681	91.32%	0.0000
4	00:11:26	91.66%	0.4907	-0.4716	0.5023	0.3208	0.3194	92.30%	0.0000
5	00:12:03	93.19%	0.5129	0.1591	0.5040	0.3273	0.3227	93.43%	0.0000
x		90.23%	0.5013	-0.7020	0.4956	0.2984	0.2995	90.46%	0.0000
%RSD		3.07	1.9489	96.6960	3.3806	22.8490	19.9790	3.24	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:09:36	1.4281	0.2766	0.2429	82.93%	0.2442	0.2284	0.2872	0.2889
2	00:10:13	1.6352	0.3514	0.4408	86.96%	0.3550	0.3302	0.3941	0.3561
3	00:10:50	1.7748	0.5502	0.4960	89.43%	0.4515	0.4194	0.4818	0.4958
4	00:11:26	1.5803	0.3832	0.4572	90.64%	0.3797	0.3712	0.4722	0.4362
5	00:12:03	1.4398	0.3086	0.3576	91.90%	0.3635	0.3430	0.4086	0.3898
x		1.5716	0.3740	0.3989	88.37%	0.3588	0.3384	0.4088	0.3933
%RSD		9.1854	28.4920	25.2650	4.02	20.7660	20.7970	19.0870	19.9570

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	00:09:36	0.2890	85.42%	0.0000
2	00:10:13	0.3872	90.08%	0.0000
3	00:10:50	0.4702	92.49%	0.0000
4	00:11:26	0.4320	93.84%	0.0000
5	00:12:03	0.3857	94.98%	0.0000
x		0.3928	91.36%	0.0000
%RSD		17.2540	4.15	0.0000

S2000 07/08/2008 00:14:56

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	00:15:32	98.32%	0.0997	T 1946.1000	1949.3000	1951.0000	0.7039	1974.9000	89.80%
2	00:16:09	99.48%	0.1670	2014.8000	1978.2000	1965.8000	0.7881	1998.8000	92.45%
3	00:16:46	100.74%	0.2199	T 1996.6000	1992.3000	1995.9000	0.8277	1981.2000	94.80%
4	00:17:22	100.25%	0.2251	T 2014.9000	2037.0000	2009.3000	0.8378	1980.5000	95.14%
5	00:17:59	100.30%	0.1720	T 2029.3000	2071.3000	2045.1000	0.8389	2001.6000	95.58%
x		99.82%	0.1767	T 2000.3000	2005.6000	1993.4000	0.7992	1987.4000	93.55%
%RSD		0.96	28.6530	T 1.6222	2.4160	1.8592	7.1563	0.6029	2.59

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:15:32	0.0263	0.0713	0.2533	ID 80.5040	0.1284	T 1965.4000	1992.1000	0.1339
2	00:16:09	0.0356	0.1122	0.2546	ID 80.2850	0.1968	T 1965.9000	1989.7000	0.1818
3	00:16:46	0.0078	0.2085	0.3818	ID 79.2800	0.2779	T 1959.4000	1996.8000	0.2476
4	00:17:22	-0.0055	0.1693	0.2880	ID 80.6150	0.2290	T 1971.5000	2005.8000	0.2211
5	00:17:59	-0.0060	0.1337	0.2095	ID 81.6810	0.2141	T 1986.3000	1994.1000	0.2040
x		0.0116	0.1390	0.2775	ID 80.4730	0.2092	T 1969.7000	1995.7000	0.1977
%RSD		161.3400	37.8460	23.3060	ID 1.0652	25.9820	T 0.5177	0.3126	21.7780

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	00:15:32	0.2301	0.3020	0.3643	0.8768	0.5370	0.1360	0.0799	0.0971
2	00:16:09	0.2047	0.2944	0.3881	0.9508	0.6705	-0.0031	0.4708	-0.7101
3	00:16:46	0.3778	0.3562	0.3744	0.8306	0.5703	0.2015	0.0739	0.0595
4	00:17:22	0.3098	0.3232	0.3918	0.9593	0.5493	-0.0135	-0.0294	0.8020
5	00:17:59	0.2587	0.3287	0.3727	0.8850	0.4371	-0.0412	-0.1737	1.0552
x		0.2762	0.3209	0.3783	0.9005	0.5528	0.0559	0.0843	0.2608
%RSD		24.9520	7.5835	3.0139	5.9989	15.0800	190.3500	283.7400	266.6700

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:15:32	88.34%	0.3472	-0.5074	0.3445	0.0983	0.1181	86.94%	0.0000
2	00:16:09	90.93%	0.3285	-0.0705	0.3395	0.1479	0.1275	90.98%	0.0000
3	00:16:46	93.53%	0.3595	-0.5414	0.3547	0.2195	0.2097	93.53%	0.0000
4	00:17:22	94.71%	0.3675	-0.5041	0.3762	0.1794	0.1828	94.71%	0.0000
5	00:17:59	95.73%	0.3224	-0.1532	0.3308	0.1841	0.1675	95.49%	0.0000
x		92.65%	0.3450	-0.3553	0.3492	0.1658	0.1611	92.33%	0.0000
%RSD		3.24	5.6228	63.2230	4.9892	27.4390	23.7350	3.75	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	00:15:32	3.7070	0.1637	0.2051	83.77%	0.2459	0.2167	0.8834	0.9660
2	00:16:09	3.8887	0.1954	0.2367	87.75%	0.2648	0.2583	0.9434	0.9606
3	00:16:46	4.0351	0.2482	0.3134	T 94.47%	0.3906	0.3604	1.0613	1.0218
4	00:17:22	3.8986	0.3298	0.2381	T 96.66%	0.3164	0.3117	0.9480	1.0453
5	00:17:59	3.8121	0.2175	0.2017	T 97.30%	0.3287	0.2767	0.9597	0.9187
x		3.8683	0.2309	0.2390	T 91.99%	0.3093	0.2848	0.9592	0.9825
%RSD		3.1216	27.4250	18.8090	T 6.47	18.4600	19.1160	6.7032	5.1695

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	00:15:32	0.8814	85.12%	0.0000
2	00:16:09	0.9364	90.03%	0.0000
3	00:16:46	1.0258	93.16%	0.0000
4	00:17:22	0.9649	94.87%	0.0000
5	00:17:59	0.9506	96.22%	0.0000
x		0.9518	91.88%	0.0000
%RSD		5.4732	4.82	0.0000

ICV 07/08/2008 00:20:52

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	00:21:28	98.13%	96.4160	1198.0000	1205.7000	1197.6000	505.3100	2030.7000	89.92%
2	00:22:05	97.72%	96.7920	1222.9000	1237.6000	1230.9000	502.7300	2067.6000	91.62%
3	00:22:42	99.12%	96.6910	1236.9000	1237.7000	1238.7000	507.6400	2048.7000	93.07%
4	00:23:18	98.49%	97.1240	1255.4000	1263.7000	1259.9000	511.4700	2026.8000	94.20%
5	00:23:55	99.43%	97.2140	1260.4000	1244.3000	1250.5000	507.6300	2030.9000	94.84%
x		98.58%	96.8480	1234.7000	1237.8000	1235.5000	506.9600	2041.0000	92.73%
%RSD		0.71	0.3365	2.0561	1.6868	1.9360	0.6383	0.8389	2.15

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:21:28	0.0457	98.5790	96.7340	ID 42.8050	96.3840	1036.8000	1048.7000	97.7010
2	00:22:05	0.0605	97.4550	94.8610	ID 42.7680	96.1680	1043.9000	1008.1000	96.7020
3	00:22:42	0.0273	96.7130	94.4310	ID 43.2690	96.2790	1046.0000	1036.1000	96.2880
4	00:23:18	0.0157	96.3240	94.9390	ID 42.6620	95.9490	1046.6000	1019.2000	95.9100
5	00:23:55	0.0306	95.7860	94.4880	ID 43.3060	96.1490	1054.1000	1023.4000	96.1030
x		0.0360	96.9710	95.0910	ID 42.9620	96.1860	1045.5000	1027.1000	96.5410
%RSD		48.4350	1.1191	0.9939	ID 0.7032	0.1691	0.5950	1.5279	0.7369

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	00:21:28	100.0100	97.6530	98.7010	201.3200	198.4000	202.4100	206.7800	0.1517
2	00:22:05	97.4580	96.7180	97.3280	198.0300	194.6500	202.1500	203.1600	0.6677
3	00:22:42	97.9200	95.4990	97.4500	200.3500	193.7300	199.0600	202.4000	-0.1994
4	00:23:18	96.6330	96.2120	97.1170	199.0700	193.0900	198.6000	198.5400	0.4189
5	00:23:55	98.5830	97.1510	97.2080	201.8100	193.7600	199.2200	203.2500	0.4711
x		98.1200	96.6470	97.5610	200.1100	194.7200	200.2900	202.8200	0.3020
%RSD		1.2962	0.8623	0.6657	0.7830	1.0929	0.9159	1.4476	111.0700

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:21:28	88.58%	94.9750	0.3419	95.4240	97.8770	97.0870	87.77%	0.0000
2	00:22:05	91.24%	95.2930	-0.2655	95.1210	97.9000	97.0650	90.58%	0.0000
3	00:22:42	92.42%	95.2460	-1.5612	95.4890	98.6570	98.2780	92.49%	0.0000
4	00:23:18	93.82%	94.6670	0.3366	95.3770	97.7730	97.0430	94.11%	0.0000
5	00:23:55	93.95%	94.9330	-0.0308	95.0780	97.9270	97.5590	95.25%	0.0000
x		92.00%	95.0230	-0.2358	95.2980	98.0270	97.4060	92.04%	0.0000
%RSD		2.40	0.2682	332.6700	0.1951	0.3642	0.5467	3.22	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	00:21:28	192.7400	98.4100	99.9770	84.29%	203.1600	197.8500	192.8500	203.6300
2	00:22:05	196.0900	98.8290	98.6350	88.38%	202.3000	197.0200	191.7100	201.2700
3	00:22:42	197.5000	97.7390	99.4590	91.99%	202.0400	197.3400	194.2600	203.2400
4	00:23:18	197.3100	97.9980	97.7240	93.20%	202.8400	197.9500	192.9700	202.8700
5	00:23:55	195.7100	98.1100	95.4350	T 97.89%	201.4500	196.9000	192.3200	202.8400
x		195.8700	98.2170	98.2460	T 91.15%	202.3600	197.4100	192.8200	202.7700
%RSD		0.9744	0.4257	1.8201	T 5.62	0.3323	0.2406	0.4912	0.4441

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	00:21:28	196.7200	85.73%	0.0000
2	00:22:05	195.5300	91.08%	0.6377
3	00:22:42	196.9600	93.86%	0.0000
4	00:23:18	196.3700	95.49%	0.0000
5	00:23:55	196.2400	97.26%	0.0000
x		196.3600	92.68%	0.1275
%RSD		0.2762	4.86	223.6100

ICB 07/08/2008 00:26:48

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	00:27:25	97.83%	0.0300	-0.3509	-0.3027	-0.1398	-0.0467	0.5688	91.42%
2	00:28:02	98.99%	0.0181	-0.1721	-0.0696	-0.4071	-0.0575	-1.4585	94.39%
3	00:28:39	100.15%	0.0622	0.1321	1.3056	0.0801	0.1168	-1.6388	95.80%
4	00:29:15	100.43%	0.0661	0.5501	0.2033	0.3606	0.0874	-3.3496	96.63%
5	00:29:52	100.84%	0.0906	0.6622	1.0016	0.7617	0.1502	-1.0781	97.15%
x		99.65%	0.0534	0.1643	0.4277	0.1311	0.0500	-1.3912	95.08%
%RSD		1.23	54.7440	268.1700	162.4800	344.4900	191.6800	100.6300	2.42

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:27:25	0.0921	0.0260	-0.0184	ID 0.0910	-0.0039	0.3487	-0.4887	0.0262
2	00:28:02	0.0197	0.0411	-0.0068	ID -0.1501	0.0100	-1.6846	-6.3237	0.0361
3	00:28:39	0.0051	0.0395	0.0288	ID -0.0888	0.0388	-2.9385	-8.4059	0.0595
4	00:29:15	0.0028	0.0445	0.0159	ID -0.0472	0.0373	-2.3422	-5.6853	0.0631
5	00:29:52	0.0231	0.1112	0.0269	ID 0.0193	0.0669	-2.9712	-4.3821	0.0960
x		0.0286	0.0525	0.0093	ID -0.0352	0.0298	-1.9176	-5.0571	0.0562
%RSD		128.1000	64.0060	226.0500	ID 266.3100	92.4510	71.5190	58.1060	48.3650

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	00:27:25	0.0092	0.1018	0.1008	-0.1017	-0.0479	0.4285	-0.3186	0.9511
2	00:28:02	-0.0016	0.0525	0.0867	-0.1839	0.0592	0.3905	0.1618	0.1103
3	00:28:39	0.0594	0.1022	0.1394	-0.0208	0.0595	-0.0411	-0.1309	0.7801
4	00:29:15	0.0824	0.1132	0.0951	-0.0195	0.1386	0.1627	0.1866	0.0856
5	00:29:52	0.0763	0.0948	0.1571	0.0265	0.0458	-0.2556	-0.2440	1.0159
x		0.0451	0.0929	0.1158	-0.0599	0.0510	0.1370	-0.0690	0.5886
%RSD		86.1650	25.3360	26.4800	139.0600	130.0400	211.4500	336.2800	77.5020

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	00:27:25	90.58%	0.0108	-0.5151	0.0057	0.0207	0.0205	90.33%	0.0000
2	00:28:02	93.87%	0.0044	0.1190	0.0045	0.0157	0.0300	94.02%	0.0000
3	00:28:39	95.12%	0.0135	-0.4943	0.0144	0.0379	0.0552	95.99%	0.0000
4	00:29:15	95.85%	0.0133	0.8894	0.0113	0.0826	0.0703	96.44%	0.0000
5	00:29:52	96.37%	0.0168	-0.4583	0.0199	0.1048	0.1026	96.60%	0.0000
x		94.36%	0.0118	-0.0919	0.0111	0.0523	0.0557	94.68%	0.0000
%RSD		2.45	39.5620	662.8500	56.8900	75.3390	58.9250	2.79	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:27:25	0.3903	0.0249	0.0090	87.55%	0.0369	0.0274	0.0082	0.0255
2	00:28:02	0.4640	0.0551	0.0479	91.64%	0.0490	0.0343	0.0322	0.0340
3	00:28:39	0.4727	0.0768	0.0388	T 97.90%	0.0965	0.0982	0.0778	0.0713
4	00:29:15	0.4440	0.0280	0.0588	T 99.20%	0.1185	0.1085	0.0845	0.1331
5	00:29:52	0.4591	0.1060	0.1269	T 99.21%	0.1319	0.1272	0.1214	0.1211
x		0.4460	0.0582	0.0563	T 95.10%	0.0866	0.0791	0.0648	0.0770
%RSD		7.3614	58.7020	77.4590	T 5.53	48.5190	57.2960	69.0700	63.6950

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	00:27:25	0.0246	89.34%	0.0000
2	00:28:02	0.0320	93.99%	0.0000
3	00:28:39	0.0772	96.46%	0.0000
4	00:29:15	0.1026	97.91%	0.0000
5	00:29:52	0.1234	98.10%	0.0000
x		0.0719	95.16%	0.0000
%RSD		59.9650	3.83	0.0000

CRII 07/08/2008 00:32:44

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	00:33:21	99.51%	0.9565	-0.3545	-0.3546	-0.0180	13.7610	0.9314	91.23%
2	00:33:58	100.82%	1.0190	-0.2563	-0.6018	0.2545	13.9320	-0.8014	93.71%
3	00:34:34	100.64%	0.9628	0.1271	0.2582	0.4950	13.6590	0.1018	94.93%
4	00:35:11	100.83%	1.0796	0.3092	0.4924	0.6535	14.0460	1.8496	95.51%
5	00:35:48	101.18%	0.9907	0.1942	0.0570	0.1099	13.8540	-0.7240	96.94%
x		100.60%	1.0017	0.0039	-0.0298	0.2990	13.8500	0.2715	94.46%
%RSD		0.63	5.0036	7426.7000	1497.7000	91.9610	1.0815	415.7700	2.27

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:33:21	0.0361	4.8122	1.8680	ID -0.1359	0.9157	0.4524	-0.7029	0.9516
2	00:33:58	0.0077	4.7556	1.8528	ID 0.0119	0.9427	-2.3548	-2.2663	0.9537
3	00:34:34	0.0205	4.8639	1.9587	ID -0.0968	0.9726	-2.5863	0.4224	1.0320
4	00:35:11	0.0140	4.8791	1.9257	ID -0.0895	0.9775	-1.9490	-7.9888	0.9681
5	00:35:48	0.0206	4.7493	1.9061	ID -0.0039	0.9881	-2.9272	-7.2464	0.9866
x		0.0198	4.8120	1.9022	ID -0.0629	0.9593	-1.8730	-3.5564	0.9784
%RSD		53.5160	1.2431	2.2568	ID 101.4400	3.0907	71.9580	107.9000	3.3786

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	00:33:21	0.9514	1.9685	1.9553	1.7731	0.9464	5.3390	4.9920	0.4340
2	00:33:58	0.9938	1.9252	2.0499	1.7140	1.0515	4.6397	5.0993	-0.0164
3	00:34:34	0.9935	1.9731	2.0592	1.8910	0.8911	4.9554	4.6335	0.7877
4	00:35:11	0.9931	2.0524	1.8904	1.8712	1.0485	4.4575	5.4410	0.0701
5	00:35:48	0.9756	1.9051	2.0033	1.9645	0.8352	4.6552	4.9396	-0.2201
x		0.9815	1.9649	1.9916	1.8428	0.9545	4.8094	5.0211	0.2111
%RSD		1.8880	2.8897	3.5208	5.3858	10.0180	7.1897	5.8076	189.4600

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:33:21	89.34%	0.9151	-1.1619	0.9283	0.9907	0.9117	88.44%	0.0000
2	00:33:58	92.41%	0.9205	-0.9073	0.9399	1.0478	0.9886	91.68%	0.0000
3	00:34:34	93.67%	0.9360	-0.9649	0.9406	1.0293	0.9818	93.42%	0.0000
4	00:35:11	94.79%	0.9592	-0.3832	0.9516	1.0430	1.0187	94.65%	0.0000
5	00:35:48	96.00%	0.9463	0.2687	0.9317	1.0085	0.9811	95.92%	0.0000
x		93.24%	0.9354	-0.6297	0.9384	1.0239	0.9764	92.82%	0.0000
%RSD		2.74	1.9440	91.9260	0.9656	2.3437	4.0257	3.13	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:33:21	2.0430	9.2454	10.1230	85.09%	0.9648	0.9215	0.9378	0.9029
2	00:33:58	2.0912	9.8284	9.9485	88.77%	0.9250	0.8949	0.9120	0.9972
3	00:34:34	2.0234	10.4350	9.4855	90.01%	1.0394	0.9608	0.9695	0.9958
4	00:35:11	2.1118	9.6101	9.8324	92.14%	1.0478	0.9724	1.0315	0.9868
5	00:35:48	2.0394	9.5540	9.6229	T 97.47%	0.9808	0.9650	1.0578	1.0077
x		2.0618	9.7346	9.8026	T 90.70%	0.9916	0.9429	0.9817	0.9781
%RSD		1.8303	4.5559	2.5905	T 5.04	5.2192	3.5305	6.2838	4.3642

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	00:33:21	0.9411	86.10%	0.0000
2	00:33:58	0.9430	90.60%	0.6411
3	00:34:34	0.9907	92.75%	0.0000
4	00:35:11	0.9859	94.86%	0.0000
5	00:35:48	0.9929	95.98%	0.0000
x		0.9707	92.06%	0.1282
%RSD		2.7094	4.25	223.6100

ICSA 07/08/2008 00:38:38

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	00:39:14	86.15%	0.2760	TM 101100.0000	TM 100270.0000	TM 100400.0000	TM 94610.0000	TM 112090.0000	79.00%
2	00:39:51	87.21%	0.2860	TM 103350.0000	TM 104260.0000	TM 103480.0000	TM 95715.0000	TM 112490.0000	82.76%
3	00:40:28	89.22%	0.3354	TM 104900.0000	TM 105320.0000	TM 105050.0000	TM 95668.0000	TM 113440.0000	84.70%
4	00:41:04	88.99%	0.3434	TM 106520.0000	TM 106300.0000	TM 106490.0000	TM 95852.0000	TM 113210.0000	86.63%
5	00:41:41	90.03%	0.2990	TM 107620.0000	TM 107330.0000	TM 108100.0000	TM 95336.0000	TM 115160.0000	87.59%
x		88.32%	0.3080	TM 104700.0000	TM 104700.0000	TM 104700.0000	TM 95436.0000	TM 113280.0000	84.14%
%RSD		1.80	9.7326	TM 2.4678	TM 2.6021	TM 2.8190	TM 0.5234	TM 1.0457	4.06

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	00:39:14	303.0400	0.5642	20.0810	ITD 4401.3000	7.5988	TM 103530.0000	TM 115020.0000	1.5353
2	00:39:51	298.4500	0.5798	19.8570	ITD 4430.4000	7.7230	TM 105080.0000	TM 115450.0000	1.4452
3	00:40:28	296.8600	0.3222	19.9370	ITD 4465.4000	7.7459	TM 105670.0000	TM 114760.0000	1.5200
4	00:41:04	292.5900	0.1683	19.6660	ITD 4489.5000	7.6685	TM 105560.0000	TM 114350.0000	1.4656
5	00:41:41	294.8500	0.3861	19.3520	ITD 4531.6000	7.6604	TM 106310.0000	TM 114860.0000	1.4301
x		297.1600	0.4041	19.7790	ITD 4463.6000	7.6793	TM 105230.0000	TM 114890.0000	1.4792
%RSD		1.3308	42.7110	1.4240	ITD 1.1356	0.7507	TM 0.9977	TM 0.3483	3.1259

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	00:39:14	7.9752	8.4115	9.9748	13.4990	-0.1647	1.7341	-3.2248	15.3960
2	00:39:51	7.9158	8.5275	9.6845	13.6900	-0.2516	1.6229	-2.8509	13.5280
3	00:40:28	7.3266	8.4455	9.5149	13.1120	-0.1536	1.6538	-2.9570	13.8390
4	00:41:04	7.5877	8.4789	9.3448	13.3310	-0.1948	1.7576	-3.0159	14.2850
5	00:41:41	7.4170	8.3914	9.5355	14.0790	-0.1024	1.8291	-2.5165	12.9870
x		7.6445	8.4509	9.6109	13.5420	-0.1734	1.7195	-2.9130	14.0070
%RSD		3.8080	0.6419	2.4598	2.7173	31.6950	4.8063	8.9318	6.4888

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	00:39:14	74.60%	0.0687	15.1920	0.0771	3.9861	1.3758	79.18%	0.0000
2	00:39:51	78.74%	0.0453	15.2910	0.0637	3.6076	1.1625	83.34%	0.0000
3	00:40:28	81.68%	0.0656	14.2140	0.0820	3.5609	1.2209	86.98%	0.0000
4	00:41:04	83.79%	0.0662	14.4970	0.0823	3.3185	1.1557	89.44%	0.0000
5	00:41:41	85.22%	0.0492	14.0480	0.0735	3.2298	1.0283	91.32%	0.0000
x		80.81%	0.0590	14.6480	0.0757	3.5406	1.1886	86.05%	0.0000
%RSD		5.25	18.4880	3.8619	10.1160	8.3470	10.6050	5.65	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:39:14	1.2124	1.4197	1.5811	75.19%	0.0098	0.0103	4.5595	4.2855
2	00:39:51	1.2388	1.5265	1.5324	80.20%	0.0072	0.0004	4.5352	4.4059
3	00:40:28	1.3169	1.4603	1.5752	83.95%	0.0647	0.0584	4.5674	4.3703
4	00:41:04	1.3300	1.3879	1.4156	87.05%	0.0607	0.0571	4.5211	4.5144
5	00:41:41	1.1944	1.4920	1.4858	89.38%	0.0336	0.0381	4.4750	4.3095
x		1.2585	1.4573	1.5180	83.15%	0.0352	0.0329	4.5316	4.3771
%RSD		4.8891	3.7942	4.5376	6.77	77.2260	81.0200	0.8101	2.0649

Run	Time	208Pb	209Bi	220Rn
		ug/L	ug/L	ug/L
1	00:39:14	4.4137	73.82%	0.0000
2	00:39:51	4.3988	78.97%	0.0000
3	00:40:28	4.3795	82.76%	0.0000
4	00:41:04	4.4437	86.08%	0.0000
5	00:41:41	4.3326	88.46%	0.0000
x		4.3937	82.02%	0.0000
%RSD		0.9426	7.08	0.0000

ICSAB 07/08/2008 00:44:33

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	00:45:11	89.74%	18.9950	TM 104350.0000	TM 105240.0000	TM 105720.0000	TM 95303.0000	TM 112830.0000	86.69%
2	00:45:49	89.96%	18.7430	TM 106670.0000	TM 106850.0000	TM 106550.0000	TM 95558.0000	TM 113780.0000	88.60%
3	00:46:26	90.07%	18.8940	TM 108570.0000	TM 108390.0000	TM 108610.0000	TM 95936.0000	TM 114820.0000	89.62%
4	00:47:02	92.42%	18.5200	TM 107370.0000	TM 106620.0000	TM 107120.0000	TM 94334.0000	TM 114150.0000	90.58%
5	00:47:39	91.63%	18.8420	TM 107430.0000	TM 107750.0000	TM 107690.0000	TM 95066.0000	TM 114910.0000	90.83%
x		90.76%	18.7990	TM 106880.0000	TM 106970.0000	TM 107140.0000	TM 95239.0000	TM 114100.0000	89.27%
%RSD		1.31	0.9606	TM 1.4673	TM 1.1210	TM 1.0252	TM 0.6299	TM 0.7449	1.89
Run	**Time**	**47Ti**	**51V**	**52Cr**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:45:11	296.7500	20.3840	39.4440	ITD 4426.8000	27.2130	TM 103710.0000	TM 112980.0000	20.8730
2	00:45:49	293.2500	20.5400	39.2560	ITD 4486.2000	27.3920	TM 105440.0000	TM 114290.0000	20.9670
3	00:46:26	292.4600	20.1000	38.7850	ITD 4502.4000	27.4870	TM 105590.0000	TM 113290.0000	20.6820
4	00:47:02	290.5100	20.2670	39.1570	ITD 4490.0000	27.3530	TM 105500.0000	TM 113880.0000	20.5490
5	00:47:39	289.2600	20.5830	38.7180	ITD 4493.9000	27.3750	TM 105980.0000	TM 114320.0000	20.9130
x		292.4500	20.3750	39.0720	ITD 4479.8000	27.3640	TM 105250.0000	TM 113750.0000	20.7970
%RSD		0.9833	0.9747	0.7962	ITD 0.6759	0.3601	TM 0.8419	TM 0.5295	0.8438
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	00:45:11	26.5470	26.5690	27.6100	29.3170	18.9220	20.9500	16.1280	12.9160
2	00:45:49	26.2650	26.0140	27.1740	29.4180	19.3770	19.9070	16.2830	8.9869
3	00:46:26	25.5140	26.1110	26.8720	28.7130	18.5160	20.4340	15.8820	11.3350
4	00:47:02	26.3180	26.0890	26.7710	29.4120	18.9820	20.5920	15.9060	12.4740
5	00:47:39	25.6960	26.2730	26.8940	28.6310	18.6810	19.7320	15.5210	12.0880
x		26.0680	26.2120	27.0640	29.0980	18.8960	20.3230	15.9440	11.5600
%RSD		1.6901	0.8433	1.2554	1.3475	1.7343	2.4603	1.8093	13.4180
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	00:45:11	84.20%	17.5280	13.6290	17.5180	21.9470	19.1260	89.47%	0.0000
2	00:45:49	86.41%	17.4920	13.3950	17.4640	21.8210	18.9910	92.93%	0.0000
3	00:46:26	87.78%	17.4930	14.9270	17.4720	21.6400	18.9990	93.86%	0.0000
4	00:47:02	87.85%	17.4040	15.7470	17.3560	21.4120	18.9620	94.51%	0.0000
5	00:47:39	88.61%	17.3270	14.4570	17.5530	21.1970	18.7230	94.69%	0.0000
x		86.97%	17.4490	14.4310	17.4720	21.6030	18.9600	93.09%	0.0000
%RSD		2.00	0.4712	6.6609	0.4267	1.4055	0.7750	2.30	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	00:45:11	20.5370	21.5090	21.0590	T 91.11%	20.7230	19.7100	24.1960	25.2920
2	00:45:49	20.3670	21.8050	22.0790	90.67%	20.6410	20.0170	24.5800	25.4560
3	00:46:26	20.9920	22.1920	21.7850	93.06%	20.9940	20.1060	23.9540	25.3920
4	00:47:02	20.9340	22.0220	22.0450	92.94%	20.8030	19.8920	24.2000	25.3660
5	00:47:39	20.7050	21.9690	21.8420	93.40%	20.7570	20.0940	24.1720	25.1730
x		20.7070	21.9000	21.7620	T 92.24%	20.7840	19.9640	24.2200	25.3360
%RSD		1.2725	1.1802	1.8965	T 1.35	0.6339	0.8291	0.9315	0.4278
Run	**Time**	**208Pb**	**209Bi**	**220Bkg**					
		ug/L	ug/L	ug/L					
1	00:45:11	24.5590	84.30%	0.0000					
2	00:45:49	24.5750	88.66%	0.0000					
3	00:46:26	24.3550	90.86%	0.6393					
4	00:47:02	24.5020	91.26%	0.0000					
5	00:47:39	24.2760	91.42%	0.0000					
x		24.4530	89.30%	0.1279					
%RSD		0.5389	3.37	223.6100					

CCV 07/08/2008 00:50:30

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	00:51:07	96.41%	249.2400	1041.8000	1044.6000	1049.0000	263.0600	990.2800	95.44%
2	00:51:44	95.59%	250.8200	1063.2000	1072.6000	1075.6000	264.8200	977.6700	97.42%
3	00:52:20	96.68%	251.5600	1070.3000	1069.7000	1068.9000	266.1100	1010.4000	98.19%
4	00:52:57	98.50%	248.0900	1067.7000	1077.3000	1082.3000	264.3400	1005.5000	99.20%
5	00:53:33	98.36%	249.4600	1080.7000	1082.8000	1090.6000	265.2100	1012.2000	99.76%
x		97.11%	249.8400	1064.7000	1069.4000	1073.3000	264.7100	999.2200	98.00%
%RSD		1.31	0.5477	1.3455	1.3774	1.4689	0.4266	1.4832	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	00:51:07	0.1377	244.0400	243.2000	ID 45.8060	244.2600	1056.5000	1036.3000	244.5300
2	00:51:44	0.0951	245.6700	241.0200	ID 46.3120	243.7700	1065.1000	1033.8000	243.0800
3	00:52:20	0.1031	242.8700	240.8600	ID 46.6030	242.6000	1074.4000	1028.1000	242.7200
4	00:52:57	0.0955	241.5700	240.5100	ID 46.8880	241.7400	1074.4000	1019.5000	243.5700
5	00:53:33	0.0889	242.0400	239.7000	ID 46.3190	244.0800	1070.9000	1023.8000	243.0400
x		0.1041	243.2400	241.0600	ID 46.3850	243.2900	1068.3000	1028.3000	243.3900
%RSD		18.7150	0.6797	0.5391	ID 0.8659	0.4448	0.7117	0.6729	0.2908

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	00:51:07	246.9200	244.0900	244.8200	243.7200	244.3800	251.7900	249.6700	1.0561
2	00:51:44	242.4100	239.7500	242.5400	246.0700	241.8400	247.3800	242.1500	0.8636
3	00:52:20	242.8200	241.3700	242.5100	244.3600	240.6900	244.9000	244.9800	0.2102
4	00:52:57	243.1600	240.7900	242.8500	247.0400	242.0900	246.2100	244.5000	0.1036
5	00:53:33	242.3900	238.8600	240.9300	243.7500	242.0800	243.9200	240.8300	0.9376
x		243.5400	240.9700	242.7300	244.9900	242.2200	246.8400	244.4300	0.6342
%RSD		0.7862	0.8258	0.5728	0.6094	0.5534	1.2402	1.3861	69.8070

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	00:51:07	94.40%	242.0600	1.8908	243.8900	245.0100	244.4700	94.27%	0.0000
2	00:51:44	97.10%	240.8900	0.1636	241.9600	245.5800	244.5300	97.37%	0.0000
3	00:52:20	98.68%	241.4600	-1.3041	241.4600	246.4200	244.0800	99.66%	0.0000
4	00:52:57	99.90%	240.3300	0.1414	240.7500	244.9000	243.0200	101.18%	0.0000
5	00:53:33	100.49%	239.4500	-0.3527	240.2400	243.1200	242.2800	102.11%	0.0000
x		98.12%	240.8400	0.1078	241.6600	245.0000	243.6800	98.92%	0.0000
%RSD		2.49	0.4181	1076.8000	0.5838	0.4944	0.4053	3.19	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:51:07	241.3100	246.6100	243.1100	92.63%	242.2400	236.8000	241.4200	241.4600
2	00:51:44	241.1200	240.6500	241.8700	T 99.52%	241.8100	237.0200	241.5800	242.5600
3	00:52:20	242.9100	242.4100	240.0100	T 102.42%	240.9000	237.5500	242.9000	242.8500
4	00:52:57	243.5000	240.5600	241.1900	T 104.28%	241.8100	236.7000	242.2400	242.0700
5	00:53:33	242.9400	239.3600	238.8300	T 105.71%	241.1700	237.3400	241.8200	242.4000
x		242.3600	241.9200	241.0000	T 100.91%	241.5900	237.0800	241.9900	242.2700
%RSD		0.4408	1.1741	0.6854	T 5.13	0.2237	0.1522	0.2455	0.2188

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	00:51:07	239.7200	94.51%	0.0000
2	00:51:44	241.3000	98.18%	1.1832
3	00:52:20	241.3800	101.14%	0.0000
4	00:52:57	241.0000	103.39%	0.5618
5	00:53:33	241.1700	104.45%	0.0000
x		240.9100	100.34%	0.3490
%RSD		0.2831	4.03	150.7100

CCB 07/08/2008 00:56:25

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	00:57:01	95.73%	0.0337	12.0200	13.6700	13.0970	12.2720	15.2520	96.92%
2	00:57:38	98.35%	0.0591	14.5050	16.1560	13.2410	13.7470	12.2390	99.73%
3	00:58:15	98.27%	0.0661	15.9700	16.6210	15.5380	14.5400	18.3380	101.05%
4	00:58:51	98.49%	0.0997	16.2920	16.5860	16.5850	14.9330	20.9080	101.79%
5	00:59:28	100.04%	0.1020	14.7400	16.0740	16.5350	14.3010	17.7810	103.58%
x		98.18%	0.0721	14.7050	15.8210	14.9990	13.9580	16.9040	100.61%
%RSD		1.58	40.0140	11.4660	7.7596	11.4850	7.4233	19.4750	2.48

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	00:57:01	0.1019	0.0569	0.0794	ID 0.4191	0.0088	18.0540	5.8503	0.0303
2	00:57:38	0.0986	0.0529	0.0537	ID 0.5341	0.0440	19.8880	11.2120	0.0581
3	00:58:15	0.0743	0.1113	0.1052	ID 0.6154	0.0648	20.5740	5.8515	0.0762
4	00:58:51	0.0637	0.0860	0.0656	ID 0.5999	0.0812	20.9530	6.0835	0.1049
5	00:59:28	0.0609	0.0822	0.0852	ID 0.5797	0.0465	17.4070	8.9723	0.0717
x		0.0799	0.0778	0.0778	ID 0.5496	0.0491	19.3750	7.5940	0.0683
%RSD		24.1490	30.5530	25.2240	ID 14.3950	55.1900	8.0811	31.8160	39.8900

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	00:57:01	0.0396	0.2050	0.1606	0.0570	0.0898	1.5137	0.3032	-0.3177
2	00:57:38	0.0648	0.2672	0.1609	0.0754	0.1112	1.8053	0.1945	-0.3198
3	00:58:15	0.0725	0.2512	0.2444	0.0739	0.0630	1.6988	0.1204	-0.1930
4	00:58:51	0.0891	0.2533	0.1699	0.1158	0.1207	1.2404	0.2405	-0.0560
5	00:59:28	0.0621	0.2178	0.1277	0.0585	0.0886	2.2616	0.2792	-0.0196
x		0.0656	0.2389	0.1727	0.0761	0.0947	1.7040	0.2276	-0.1812
%RSD		27.3250	10.9730	25.0060	31.1790	23.7100	22.2010	31.9390	77.9400

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	00:57:01	95.33%	0.0168	-0.5252	0.0202	0.0363	0.0277	94.72%	0.0000
2	00:57:38	98.64%	0.0256	-0.5363	0.0269	0.0644	0.0774	98.94%	0.0000
3	00:58:15	101.67%	0.0288	-0.1586	0.0251	0.1073	0.0827	101.53%	0.0000
4	00:58:51	102.54%	0.0251	0.6736	0.0179	0.1003	0.0832	102.72%	0.0000
5	00:59:28	102.85%	0.0265	-0.5981	0.0302	0.0579	0.0710	103.10%	0.0000
x		100.21%	0.0246	-0.2289	0.0241	0.0732	0.0684	100.20%	0.0000
%RSD		3.19	18.6240	233.0200	20.6560	40.7750	34.0250	3.46	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	00:57:01	0.4178	0.0288	0.0288	T 96.88%	0.0389	0.0391	0.0398	0.0559
2	00:57:38	0.4856	0.1035	0.0940	T 101.22%	0.0920	0.0806	0.0649	0.0763
3	00:58:15	0.4592	0.0722	0.1046	T 103.56%	0.1173	0.0933	0.1174	0.1062
4	00:58:51	0.4226	0.1110	0.0873	T 104.67%	0.0905	0.1069	0.0795	0.1050
5	00:59:28	0.4249	0.0878	0.0901	T 105.34%	0.0848	0.0848	0.0885	0.0873
x		0.4420	0.0806	0.0810	T 102.33%	0.0847	0.0809	0.0780	0.0861
%RSD		6.6441	40.4610	36.8930	T 3.35	33.6530	31.4620	36.7820	24.4080

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	00:57:01	0.0470	93.13%	0.0000
2	00:57:38	0.0762	98.90%	0.0000
3	00:58:15	0.0977	101.65%	0.0000
4	00:58:51	0.0979	102.66%	0.0000
5	00:59:28	0.0816	103.51%	0.0000
x		0.0801	99.97%	0.0000
%RSD		26.0180	4.20	0.0000

PBW 07/08/2008 01:02:20

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	01:02:56	100.47%	-0.0006	-0.2464	-0.0847	-0.2974	0.6723	10.7630	97.68%
2	01:03:33	100.54%	-0.0007	-0.1952	-0.2326	-0.1056	0.7769	13.3300	100.35%
3	01:04:10	101.55%	0.0087	-0.1408	0.1349	0.2090	0.7537	11.4940	100.47%
4	01:04:46	102.01%	0.0099	-0.0357	0.2218	0.1229	0.8859	14.2040	101.24%
5	01:05:24	103.74%	0.0068	-0.1075	-0.1518	-0.1228	0.7766	14.0620	101.63%
x		101.66%	0.0048	-0.1451	-0.0225	-0.0388	0.7731	12.7710	100.27%
%RSD		1.31	106.0400	55.7370	858.6800	525.4800	9.8697	12.1900	1.54

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	01:02:56	0.0974	0.0382	0.3474	ID 0.0129	-0.0224	3.7699	-5.3421	-0.0026
2	01:03:33	0.0758	0.0991	0.2962	ID -0.0342	-0.0229	2.5643	-11.8530	-0.0051
3	01:04:10	0.0619	0.2871	0.2462	ID 0.0255	-0.0197	1.3418	-10.5080	0.0007
4	01:04:46	0.0433	-0.0072	0.3251	ID 0.0266	-0.0132	2.8737	-9.0955	0.0012
5	01:05:24	0.0614	0.0166	0.2462	ID 0.0248	-0.0134	1.5821	-11.0730	0.0011
x		0.0679	0.0867	0.2922	ID 0.0111	-0.0183	2.4264	-9.5742	-0.0009
%RSD		29.5880	136.8800	15.6650	ID 232.8300	25.8670	40.7650	26.8580	294.9500

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	01:02:56	-0.0303	0.1110	0.1474	1.2027	-0.0267	0.6398	-0.1007	0.7054
2	01:03:33	-0.0107	0.1288	0.1163	1.2589	0.0360	0.5599	0.2769	-0.4529
3	01:04:10	-0.0085	0.1126	0.1043	1.3074	-0.1180	0.1889	-0.4137	1.1553
4	01:04:46	-0.0191	0.1109	0.1225	1.2882	0.0020	0.1559	0.0526	0.2721
5	01:05:24	-0.0193	0.1184	0.1221	1.2157	-0.0436	0.1011	-0.0428	-0.0735
x		-0.0176	0.1163	0.1225	1.2546	-0.0301	0.3291	-0.0455	0.3213
%RSD		48.9860	6.5466	12.8340	3.5944	192.0900	76.1770	551.2800	196.9100

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:02:56	96.60%	0.0246	-0.1136	0.0183	-0.0031	-0.0002	96.20%	0.0000
2	01:03:33	99.10%	0.0167	-0.0360	0.0089	-0.0031	0.0016	99.54%	0.0000
3	01:04:10	100.63%	0.0072	0.4956	0.0124	0.0027	0.0014	100.99%	0.0000
4	01:04:46	101.27%	0.0081	0.4898	0.0117	-0.0031	0.0058	101.72%	0.0000
5	01:05:24	101.38%	0.0024	1.1639	0.0089	0.0026	0.0031	103.23%	0.0000
x		99.80%	0.0118	0.3999	0.0120	-0.0008	0.0023	100.34%	0.0000
%RSD		2.01	74.8410	128.3900	31.9100	394.3500	96.3410	2.66	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:02:56	0.1221	0.0040	-0.0025	T 98.53%	-0.0227	-0.0225	-0.0022	0.0029
2	01:03:33	0.1269	0.0036	-0.0060	T 101.76%	-0.0229	-0.0266	-0.0065	0.0019
3	01:04:10	0.1465	0.0034	0.0005	T 103.90%	-0.0243	-0.0246	-0.0024	-0.0084
4	01:04:46	0.1098	-0.0081	0.0005	T 105.60%	-0.0241	-0.0226	-0.0016	0.0108
5	01:05:24	0.1452	-0.0025	0.0004	T 107.20%	-0.0243	-0.0231	-0.0009	0.0075
x		0.1301	0.0001	-0.0014	T 103.40%	-0.0237	-0.0239	-0.0027	0.0030
%RSD		12.0680	5323.0000	199.5800	T 3.28	3.3031	7.2625	80.2260	245.8300

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	01:02:56	0.0011	95.79%	0.0000
2	01:03:33	-0.0014	100.04%	0.0000
3	01:04:10	-0.0018	102.37%	0.0000
4	01:04:46	0.0044	104.13%	0.0000
5	01:05:24	-0.0003	105.93%	0.0000
x		0.0004	101.65%	0.0000
%RSD		617.9900	3.87	0.0000

LCSW 07/08/2008 01:08:15

User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:08:52	100.78%	97.6240	1300.0000	1303.7000	1307.2000	513.9000	2068.6000	97.39%
2	01:09:28	99.62%	98.4890	1323.3000	1325.4000	1313.0000	516.8800	2053.9000	98.95%
3	01:10:05	102.18%	97.1030	1324.6000	1327.3000	1328.5000	510.0800	2073.9000	99.70%
4	01:10:41	102.66%	95.6260	1322.4000	1325.2000	1321.8000	510.6400	2075.3000	100.96%
5	01:11:18	102.37%	95.9510	1330.9000	1331.1000	1332.6000	509.5000	2098.4000	99.76%
x		101.52%	96.9590	1320.2000	1322.6000	1320.6000	512.2000	2074.0000	99.35%
%RSD		1.27	1.2201	0.8917	0.8165	0.7985	0.6099	0.7735	1.32

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	01:08:52	0.0688	96.4530	94.0690	ID 43.9360	95.7540	1070.2000	1045.9000	96.7300
2	01:09:28	0.0864	96.4400	93.9200	ID 44.0670	95.5250	1076.9000	1029.2000	96.9010
3	01:10:05	0.0483	96.2580	94.7060	ID 44.1670	95.9350	1085.0000	1038.1000	96.2990
4	01:10:41	0.0262	96.0170	92.7720	ID 44.1780	95.1060	1073.7000	1033.9000	96.0930
5	01:11:18	0.0386	96.0680	93.9530	ID 44.2260	95.9920	1087.4000	1038.9000	96.4250
x		0.0537	96.2470	93.8840	ID 44.1150	95.6620	1078.7000	1037.2000	96.4900
%RSD		44.7570	0.2108	0.7440	ID 0.2623	0.3768	0.6821	0.5982	0.3377

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	01:08:52	97.7600	96.3910	96.9220	199.3400	191.5600	200.0200	199.9500	0.8418
2	01:09:28	96.2260	96.1440	96.9620	198.9000	191.9100	195.9400	201.6000	-0.1620
3	01:10:05	96.9400	96.3810	96.4470	200.0200	190.6500	195.0000	195.8700	0.5566
4	01:10:41	96.4200	94.4650	94.9390	197.6000	191.0500	194.6000	196.2800	-0.1664
5	01:11:18	95.5970	96.1110	96.4670	197.7800	189.9600	195.7700	194.6000	-0.2141
x		96.5880	95.8990	96.3470	198.7300	191.0300	196.2700	197.6600	0.1712
%RSD		0.8406	0.8466	0.8552	0.5174	0.4010	1.1050	1.5015	287.9100

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:08:52	96.23%	95.7730	1.9293	95.7640	98.5700	96.9370	96.70%	0.0000
2	01:09:28	99.26%	94.5900	-1.0736	94.8500	96.8650	97.6030	100.47%	0.0000
3	01:10:05	100.00%	94.7610	1.1495	94.7750	97.4460	97.1430	102.37%	0.0000
4	01:10:41	100.85%	95.0820	0.9284	94.9450	98.0480	97.2130	102.70%	0.0000
5	01:11:18	100.75%	94.6990	2.1838	94.9900	98.0310	96.7270	102.52%	0.0000
x		99.42%	94.9810	1.0235	95.0650	97.7920	97.1240	100.95%	0.0000
%RSD		1.91	0.5048	125.4100	0.4206	0.6679	0.3377	2.52	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:08:52	198.0500	96.3460	96.4010	T 100.21%	201.2100	197.5000	192.7200	203.6300
2	01:09:28	198.4600	97.5420	96.6710	T 103.77%	202.2600	197.5800	193.6000	202.8800
3	01:10:05	197.8300	96.6440	96.8630	T 106.28%	201.7600	197.1100	191.0000	202.4200
4	01:10:41	199.6100	96.0780	96.2650	T 107.60%	201.1100	198.4600	192.7500	202.3100
5	01:11:18	198.9800	97.0910	95.8310	T 107.24%	201.7100	197.6700	192.2700	203.1200
x		198.5900	96.7400	96.4060	T 105.02%	201.6100	197.6700	192.4700	202.8700
%RSD		0.3627	0.6046	0.4114	T 2.93	0.2309	0.2493	0.4959	0.2653

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	01:08:52	196.9100	98.24%	0.5912
2	01:09:28	196.7600	103.07%	0.5635
3	01:10:05	195.2600	106.16%	0.0000
4	01:10:41	196.5200	107.28%	0.0000
5	01:11:18	195.9100	107.56%	0.0000
x		196.2700	104.46%	0.2310
%RSD		0.3485	3.74	137.0000

MH2599 07/08/2008 01:14:11

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	01:14:47	95.55%	0.0093	TM 36349.0000	TM 36983.0000	TM 36584.0000	35.0070	TM 160060.0000	91.05%
2	01:15:24	95.97%	0.0033	TM 37408.0000	TM 37404.0000	TM 37397.0000	35.2830	TM 163070.0000	92.32%
3	01:16:00	96.49%	0.0147	TM 37559.0000	TM 37855.0000	TM 37854.0000	34.9950	TM 163810.0000	93.05%
4	01:16:37	97.09%	0.0044	TM 37623.0000	TM 37816.0000	TM 38188.0000	35.1230	TM 163290.0000	93.62%
5	01:17:14	97.14%	0.0044	TM 37863.0000	TM 37975.0000	TM 38029.0000	35.2470	TM 164330.0000	94.34%
x		96.45%	0.0072	TM 37360.0000	TM 37607.0000	TM 37610.0000	35.1310	TM 162910.0000	92.87%
%RSD		0.72	66.2260	TM 1.5762	TM 1.0887	TM 1.7165	0.3776	TM 1.0218	1.36

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:14:47	0.5870	0.6174	0.4391	ID 2.6794	92.3260	82.3080	1775.4000	0.5652
2	01:15:24	0.4021	0.2708	0.3312	ID 2.6683	92.6070	81.3400	1594.9000	0.6032
3	01:16:00	0.5628	0.7393	0.3669	ID 2.7158	92.7060	77.7300	1463.3000	0.5856
4	01:16:37	0.4731	0.5959	0.3566	ID 2.6786	91.7480	75.4050	1559.3000	0.5912
5	01:17:14	0.4157	0.7898	0.3359	ID 2.5434	92.5870	75.7900	1410.4000	0.5803
x		0.4881	0.6026	0.3659	ID 2.6571	92.3950	78.5150	1560.7000	0.5851
%RSD		17.2060	33.6130	11.8720	ID 2.4858	0.4199	4.0314	9.0244	2.3891

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	01:14:47	4.3247	1.7447	1.9581	16.6270	3.9302	1.0221	0.5697	0.6037
2	01:15:24	3.9857	1.8131	2.0378	16.7130	4.0838	0.4923	0.5882	0.6380
3	01:16:00	3.9600	1.6698	1.9574	16.4820	4.1405	0.3037	0.3209	-0.1240
4	01:16:37	3.7972	1.7773	1.9795	16.3840	4.0632	0.0911	0.5889	0.4683
5	01:17:14	4.0726	1.7430	1.7455	15.8290	4.2318	0.2768	0.7095	0.0921
x		4.0280	1.7496	1.9357	16.4070	4.0899	0.4372	0.5554	0.3356
%RSD		4.8033	3.0303	5.7456	2.1162	2.7046	81.5480	25.6470	100.0900

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:14:47	86.97%	0.0321	0.2638	0.0239	0.0836	0.0732	85.96%	0.0000
2	01:15:24	88.92%	0.0279	0.4327	0.0159	0.1058	0.0870	88.31%	0.0000
3	01:16:00	90.31%	0.0192	0.9896	0.0219	0.0645	0.0636	89.77%	0.0000
4	01:16:37	91.19%	0.0164	0.2226	0.0203	0.0794	0.0862	90.21%	0.0000
5	01:17:14	91.08%	0.0139	1.2137	0.0107	0.0745	0.0772	91.09%	0.0000
x		89.69%	0.0219	0.6245	0.0185	0.0816	0.0774	89.07%	0.0000
%RSD		1.97	35.4290	72.0080	28.4690	18.7550	12.5520	2.26	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:14:47	2.9728	42.0730	42.0890	88.06%	0.1167	0.1119	0.5395	0.6363
2	01:15:24	2.9677	43.0930	41.8040	91.66%	0.1189	0.0977	0.5347	0.5767
3	01:16:00	3.0368	41.9100	40.8340	T 97.76%	0.0922	0.0705	0.5410	0.6408
4	01:16:37	2.9156	41.3220	40.6090	T 98.17%	0.0791	0.0604	0.5879	0.5851
5	01:17:14	3.0323	40.7670	40.3740	T 99.41%	0.0608	0.0606	0.5902	0.6170
x		2.9850	41.8330	41.1420	T 95.01%	0.0935	0.0802	0.5587	0.6112
%RSD		1.6905	2.0873	1.8442	T 5.17	26.5130	29.1070	4.9832	4.7741

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	01:14:47	0.5886	83.36%	0.0000
2	01:15:24	0.5684	87.38%	0.0000
3	01:16:00	0.5905	89.42%	0.0000
4	01:16:37	0.6000	90.57%	0.0000
5	01:17:14	0.6152	91.90%	0.0000
x		0.5926	88.52%	0.0000
%RSD		2.8854	3.76	0.0000

MH2599L 07/08/2008 01:20:07

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	01:20:43	97.41%	0.0058	T 7486.5000	7682.0000	7722.5000	7.6354	M 31345.0000	91.02%
2	01:21:20	99.30%	-0.0059	T 7557.1000	7830.4000	7828.6000	7.6528	M 31328.0000	92.62%
3	01:21:56	98.68%	0.0069	T 7681.8000	7955.8000	7920.5000	8.1874	M 31481.0000	93.73%
4	01:22:33	100.39%	-0.0005	T 7662.0000	7935.2000	7975.2000	7.9043	M 31745.0000	94.20%
5	01:23:10	100.30%	0.0078	T 7694.7000	8049.4000	7998.2000	7.9673	M 32003.0000	93.98%
x		99.22%	0.0028	T 7616.4000	7890.5000	7889.0000	7.8694	M 31580.0000	93.11%
%RSD		1.25	208.8100	T 1.1904	1.7763	1.4411	2.9366	M 0.9157	1.42
Run	**Time**	**47Ti**	**51V**	**52Cr**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:20:43	0.1871	0.1757	0.0949	ID 0.4445	18.8960	20.3630	387.5800	0.1205
2	01:21:20	0.1512	0.0923	0.1141	ID 0.4276	19.0390	18.0630	347.4300	0.1194
3	01:21:56	0.1451	0.1464	0.0540	ID 0.5064	19.1360	18.0540	334.3700	0.1206
4	01:22:33	0.1366	0.1776	0.0834	ID 0.4420	18.7720	16.9290	298.1900	0.1314
5	01:23:10	0.1141	0.1383	0.0866	ID 0.4189	19.3010	16.3670	306.6100	0.1144
x		0.1468	0.1461	0.0866	ID 0.4479	19.0290	17.9550	334.8400	0.1213
%RSD		18.0830	23.7860	25.1710	ID 7.6665	1.0822	8.5354	10.6440	5.1181
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	01:20:43	1.0237	0.3882	0.5529	3.3599	0.8960	0.7985	0.3449	0.4885
2	01:21:20	0.9076	0.4282	0.4987	3.4351	0.9739	0.4285	0.6275	-1.3825
3	01:21:56	0.9479	0.4082	0.4430	3.2678	1.0505	0.0591	0.1351	0.7408
4	01:22:33	0.9030	0.4058	0.4791	3.4532	0.8758	0.4767	0.1636	0.1475
5	01:23:10	0.8744	0.3812	0.4312	3.5662	0.8069	0.3248	-0.1035	0.3360
x		0.9313	0.4023	0.4810	3.4164	0.9206	0.4175	0.2335	0.0660
%RSD		6.2195	4.5944	10.0860	3.2536	10.1980	64.0180	116.4400	1269.4000
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	01:20:43	88.10%	-0.0107	-0.8210	-0.0157	0.0215	0.0141	88.04%	0.0000
2	01:21:20	90.07%	-0.0091	0.1832	-0.0125	0.0077	0.0155	91.07%	0.0000
3	01:21:56	92.10%	-0.0048	0.9399	0.0023	0.0202	0.0163	92.90%	0.0000
4	01:22:33	92.91%	0.0036	0.2743	0.0058	0.0241	0.0237	94.14%	0.0000
5	01:23:10	92.86%	0.0019	0.6657	0.0058	0.0303	0.0141	94.34%	0.0000
x		91.21%	-0.0038	0.2484	-0.0029	0.0207	0.0167	92.10%	0.0000
%RSD		2.28	167.8800	270.1000	363.3400	39.9830	23.7670	2.84	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	01:20:43	0.5891	8.6320	8.7306	87.26%	-0.0020	-0.0025	0.1210	0.1142
2	01:21:20	0.6436	8.8276	8.5480	91.64%	0.0027	-0.0002	0.1305	0.1226
3	01:21:56	0.6217	8.3930	8.4046	T 98.15%	0.0057	0.0029	0.1183	0.1358
4	01:22:33	0.6380	8.1801	8.1333	T 99.60%	0.0010	-0.0001	0.1240	0.1096
5	01:23:10	0.6086	8.3827	8.3657	T 100.10%	0.0046	0.0049	0.1151	0.1323
x		0.6202	8.4831	8.4365	T 95.35%	0.0024	0.0010	0.1218	0.1229
%RSD		3.5757	2.9519	2.6300	T 5.93	127.6900	287.4900	4.8508	9.1540
Run	**Time**	**208Pb**	**209Bi**	**220Bkg**					
		ug/L	ug/L	ug/L					
1	01:20:43	0.1210	88.17%	0.6588					
2	01:21:20	0.1217	93.11%	0.0000					
3	01:21:56	0.1269	96.15%	0.0000					
4	01:22:33	0.1243	97.86%	0.0000					
5	01:23:10	0.1241	98.42%	0.0000					
x		0.1236	94.74%	0.1318					
%RSD		1.8896	4.45	223.6100					

MH25A0 07/08/2008 01:26:03

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	01:26:40	94.66%	0.0022	TM 34081.0000	TM 34559.0000	TM 34270.0000	8.7590	TM 152590.0000	89.42%
2	01:27:16	95.96%	0.0062	TM 34899.0000	TM 34981.0000	TM 34939.0000	8.8894	TM 154830.0000	90.84%
3	01:27:53	97.88%	-0.0043	TM 34809.0000	TM 34928.0000	TM 35111.0000	8.8896	TM 155000.0000	91.93%
4	01:28:29	97.64%	0.0172	TM 35119.0000	TM 35129.0000	TM 35396.0000	8.9231	TM 155770.0000	93.04%
5	01:29:06	97.63%	0.0043	TM 35245.0000	TM 35499.0000	TM 35616.0000	8.7657	TM 156540.0000	93.18%
x		96.75%	0.0051	TM 34831.0000	TM 35019.0000	TM 35066.0000	8.8454	TM 154950.0000	91.68%
%RSD		1.45	152.5200	TM 1.3010	TM 0.9734	TM 1.4704	0.8710	TM 0.9575	1.72

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:26:40	0.4904	0.6596	0.4526	ID 3.6213	179.2300	98.8060	1729.5000	0.7677
2	01:27:16	0.4328	0.4257	0.4440	ID 3.5221	179.6100	95.3040	1549.5000	0.7070
3	01:27:53	0.3908	0.6850	0.4070	ID 3.3803	179.9800	94.1980	1534.3000	0.7120
4	01:28:29	0.5002	0.5029	0.4452	ID 3.4812	180.1600	94.5930	1515.0000	0.7048
5	01:29:06	0.3987	0.4152	0.3862	ID 3.3741	181.0900	93.1540	1383.4000	0.7040
x		0.4426	0.5377	0.4270	ID 3.4758	180.0100	95.2110	1542.3000	0.7191
%RSD		11.4660	23.7700	6.7681	ID 2.9761	0.3879	2.2633	8.0156	3.8028

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	01:26:40	5.6913	5.9051	6.2864	1136.5000	6.0888	0.9558	0.5665	1.9784
2	01:27:16	5.2843	6.1838	6.2878	1138.6000	6.2723	0.6977	0.8789	1.3559
3	01:27:53	5.0913	6.0272	6.3255	1140.9000	6.4478	0.5189	0.7548	1.6437
4	01:28:29	4.8509	6.0554	6.0489	1139.8000	6.3777	0.5243	0.9767	0.6432
5	01:29:06	4.9975	5.9721	6.0851	1136.8000	6.1590	0.5328	0.5478	2.3372
x		5.1831	6.0287	6.2067	1138.5000	6.2691	0.6459	0.7449	1.5917
%RSD		6.2644	1.7248	2.0810	0.1656	2.3709	29.2160	25.3310	40.5120

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	01:26:40	85.03%	0.1002	0.8965	0.0903	5.7930	5.9687	82.91%	0.0000
2	01:27:16	87.66%	0.0945	0.8986	0.1015	5.8331	5.6932	86.45%	0.0000
3	01:27:53	89.38%	0.0883	0.3125	0.0807	6.0210	5.7847	88.42%	0.0000
4	01:28:29	90.13%	0.0880	0.7760	0.0953	5.9193	5.7956	88.95%	0.0000
5	01:29:06	90.41%	0.0868	0.7920	0.0940	5.8640	5.9148	89.65%	0.0000
x		88.52%	0.0916	0.7351	0.0923	5.8861	5.8314	87.28%	0.0000
%RSD		2.52	6.1844	33.0630	8.2924	1.5022	1.8861	3.11	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:26:40	7.0573	56.0320	56.0340	86.13%	0.4663	0.4901	22.0440	24.1430
2	01:27:16	6.9015	57.2490	55.5780	90.29%	0.5075	0.4673	22.4900	24.4250
3	01:27:53	6.8573	56.8670	56.2650	92.73%	0.4980	0.4743	22.4760	23.9210
4	01:28:29	7.0943	56.2320	55.2280	T 97.17%	0.4751	0.4802	22.2820	24.1090
5	01:29:06	6.8206	55.5720	54.8870	T 98.49%	0.5127	0.4719	21.9930	24.1800
x		6.9462	56.3900	55.5980	T 92.96%	0.4919	0.4768	22.2570	24.1560
%RSD		1.7625	1.1854	1.0167	T 5.43	4.1268	1.8390	1.0497	0.7477

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	01:26:40	23.2920	81.06%	0.0000
2	01:27:16	23.4940	85.18%	0.0000
3	01:27:53	23.2360	87.28%	0.0000
4	01:28:29	23.2210	88.43%	0.0000
5	01:29:06	23.1670	89.73%	0.0000
x		23.2820	86.34%	0.0000
%RSD		0.5430	3.93	0.0000

MH25A2 07/08/2008 01:32:00

User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:32:36	94.74%	0.0037	TM 36943.0000	TM 37130.0000	TM 36986.0000	3.6028	TM 160490.0000	88.71%
2	01:33:13	96.59%	0.0046	TM 37484.0000	TM 37657.0000	TM 37737.0000	3.5876	TM 160180.0000	90.81%
3	01:33:50	98.13%	-0.0001	TM 37419.0000	TM 37580.0000	TM 37586.0000	3.5848	TM 160470.0000	92.80%
4	01:34:26	98.10%	-0.0001	TM 37845.0000	TM 37951.0000	TM 38203.0000	3.6307	TM 162360.0000	92.87%
5	01:35:03	97.15%	-0.0028	TM 38617.0000	TM 38446.0000	TM 38787.0000	3.6298	TM 162430.0000	93.58%
x		96.94%	0.0011	TM 37661.0000	TM 37753.0000	TM 37860.0000	3.6072	TM 161180.0000	91.75%
%RSD		1.44	280.5800	TM 1.6544	TM 1.2887	TM 1.7866	0.6154	TM 0.6888	2.17

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:32:36	0.3050	0.4533	0.3826	ID 3.3895	273.9400	103.7300	1928.9000	0.9344
2	01:33:13	0.2596	0.5519	0.4580	ID 3.2939	271.2700	102.1700	1698.1000	0.9163
3	01:33:50	0.2371	0.1795	0.3688	ID 3.4621	270.5700	98.6710	1640.4000	0.8800
4	01:34:26	0.2411	0.2009	0.3696	ID 3.5079	271.0300	95.5930	1529.0000	0.9172
5	01:35:03	0.2529	0.3748	0.3536	ID 3.5107	271.2600	98.0780	1555.5000	0.8666
x		0.2591	0.3521	0.3865	ID 3.4328	271.6100	99.6490	1670.4000	0.9029
%RSD		10.4880	45.6520	10.6740	ID 2.6756	0.4894	3.2861	9.5439	3.1421

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	01:32:36	5.9952	6.1769	6.4876	1632.4000	6.5578	0.9671	1.1762	0.7592
2	01:33:13	5.3578	6.0498	6.5618	1628.1000	6.0422	0.7059	0.5345	1.5529
3	01:33:50	5.4638	6.2955	6.5626	1619.2000	6.2437	0.5394	1.1063	1.1866
4	01:34:26	5.0319	6.1031	6.1260	1617.6000	6.2781	0.1480	0.6399	1.5836
5	01:35:03	5.0514	5.9740	6.5226	1604.9000	6.0716	0.6991	0.6622	1.5188
x		5.3800	6.1199	6.4521	1620.4000	6.2387	0.6119	0.8238	1.3202
%RSD		7.2888	2.0106	2.8668	0.6554	3.3038	49.2370	35.7880	26.6600

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:32:36	85.39%	0.0952	0.2097	0.0890	9.3673	9.3253	84.00%	0.0000
2	01:33:13	87.64%	0.0729	-0.3421	0.0820	9.2763	9.4239	87.02%	0.0000
3	01:33:50	89.44%	0.0864	-0.0400	0.0742	9.2145	9.4936	88.65%	0.0000
4	01:34:26	90.36%	0.0805	1.3145	0.0723	9.2773	9.4832	89.51%	0.0000
5	01:35:03	91.50%	0.0902	0.7039	0.0856	9.4422	9.4355	90.68%	0.0000
x		88.86%	0.0850	0.3692	0.0806	9.3155	9.4323	87.97%	0.0000
%RSD		2.70	10.1630	176.8000	8.9265	0.9594	0.7088	2.95	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:32:36	8.2786	59.0900	58.9910	86.73%	0.7432	0.6904	10.4700	11.1140
2	01:33:13	8.3782	60.7390	58.8860	90.34%	0.6981	0.6968	10.1310	10.9080
3	01:33:50	8.0913	58.9210	60.5130	92.18%	0.7173	0.7205	10.3530	11.2330
4	01:34:26	8.2117	60.0050	59.4700	93.93%	0.7163	0.7183	10.2210	11.2340
5	01:35:03	8.2977	59.8500	59.1390	T 97.97%	0.7517	0.7153	10.1490	11.3150
x		8.2515	59.7210	59.4000	T 92.23%	0.7253	0.7082	10.2650	11.1610
%RSD		1.3023	1.2337	1.1116	T 4.52	3.0086	1.9351	1.4058	1.4202

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	01:32:36	10.8760	81.36%	0.0000
2	01:33:13	10.6180	85.30%	0.0000
3	01:33:50	10.7820	87.26%	0.0000
4	01:34:26	10.7820	88.60%	0.0000
5	01:35:03	10.7050	90.57%	0.0000
x		10.7530	86.62%	0.0000
%RSD		0.8982	4.05	0.0000

MH25A3 07/08/2008 01:37:56

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	01:38:33	96.34%	-0.0069	TM 36597.0000	TM 36698.0000	TM 36629.0000	5.3546	TM 157850.0000	90.78%
2	01:39:09	97.25%	-0.0013	TM 37301.0000	TM 37421.0000	TM 37326.0000	5.4772	TM 159120.0000	92.64%
3	01:39:46	97.79%	0.0028	TM 37918.0000	TM 37802.0000	TM 38174.0000	5.6106	TM 160520.0000	93.99%
4	01:40:23	99.56%	-0.0018	TM 37624.0000	TM 37841.0000	TM 37760.0000	5.4165	TM 161690.0000	94.58%
5	01:40:59	99.41%	0.0024	TM 37915.0000	TM 37945.0000	TM 38143.0000	5.5494	TM 161710.0000	95.05%
x		98.07%	-0.0010	TM 37471.0000	TM 37541.0000	TM 37606.0000	5.4817	TM 160180.0000	93.41%
%RSD		1.42	414.6000	TM 1.4699	TM 1.3618	TM 1.7169	1.8614	TM 1.0490	1.85

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	01:38:33	0.2896	0.3809	0.3468	ID 4.4125	245.7800	126.6400	1801.7000	0.9678
2	01:39:09	0.2536	0.1276	0.3789	ID 4.3981	243.1100	121.4100	1596.0000	0.9442
3	01:39:46	0.2022	0.3620	0.3543	ID 4.4613	244.9500	123.3000	1480.9000	0.9016
4	01:40:23	0.2261	0.1735	0.3259	ID 4.3033	244.6200	123.1700	1436.3000	0.9157
5	01:40:59	0.1901	0.3630	0.3087	ID 4.4622	245.7400	120.9800	1471.4000	0.8931
x		0.2323	0.2814	0.3429	ID 4.4075	244.8400	123.1000	1557.3000	0.9245
%RSD		17.2910	42.9240	7.8442	ID 1.4731	0.4454	1.8124	9.5847	3.3582

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	01:38:33	5.4094	5.3396	5.8982	1217.9000	6.7477	0.3115	1.0497	0.1760
2	01:39:09	5.3307	5.3146	5.7175	1212.1000	6.5142	0.6030	0.6549	1.7718
3	01:39:46	5.2468	5.4912	5.6530	1215.1000	6.6932	0.7929	0.9585	0.9959
4	01:40:23	5.2302	5.4949	5.6252	1217.5000	6.4449	0.5570	0.8323	0.4027
5	01:40:59	4.8348	5.5495	5.7909	1222.3000	6.8262	0.4382	0.8256	0.4298
x		5.2104	5.4380	5.7370	1217.0000	6.6452	0.5405	0.8642	0.7552
%RSD		4.2575	1.9150	1.9257	0.3086	2.4128	33.4520	17.3200	85.2200

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	01:38:33	87.85%	0.0885	-0.1133	0.0644	7.3653	7.4043	86.04%	0.0000
2	01:39:09	90.43%	0.0808	0.8611	0.0753	7.5105	7.5073	89.12%	0.0000
3	01:39:46	91.92%	0.0918	1.4613	0.0956	7.4568	7.4168	91.54%	0.0000
4	01:40:23	92.64%	0.0957	1.1197	0.0784	7.4484	7.5819	92.55%	0.0000
5	01:40:59	93.42%	0.0971	0.2462	0.1114	7.3563	7.4577	92.94%	0.0000
x		91.25%	0.0908	0.7150	0.0850	7.4275	7.4736	90.44%	0.0000
%RSD		2.41	7.1909	89.7760	21.7460	0.8807	0.9727	3.18	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	01:38:33	7.7899	59.4250	58.8820	89.06%	0.6436	0.6322	7.8332	8.6021
2	01:39:09	8.0203	58.5920	57.8870	T 96.61%	0.6718	0.6114	7.6444	8.5997
3	01:39:46	7.8554	59.3980	58.7250	96.22%	0.6531	0.6325	7.9056	8.4028
4	01:40:23	7.8638	58.1170	57.6570	T 100.73%	0.6182	0.6011	7.7354	8.5541
5	01:40:59	7.7236	59.3380	58.8380	98.28%	0.6390	0.6338	7.8042	8.2796
x		7.8506	58.9740	58.3980	T 96.18%	0.6452	0.6222	7.7845	8.4877
%RSD		1.4067	1.0017	0.9931	T 4.53	3.0412	2.4170	1.2759	1.6722

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	01:38:33	8.1992	83.36%	0.0000
2	01:39:09	8.0745	88.10%	0.0000
3	01:39:46	8.1919	90.61%	0.0000
4	01:40:23	8.1711	92.37%	0.0000
5	01:40:59	8.0509	93.03%	0.0000
x		8.1375	89.49%	0.0000
%RSD		0.8551	4.38	0.0000

MH25A4 07/08/2008 01:43:52

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	01:44:28	96.30%	0.0032	TM 34097.0000	TM 34388.0000	TM 34442.0000	4.8275	TM 150610.0000	91.02%
2	01:45:05	96.46%	-0.0084	TM 34960.0000	TM 35034.0000	TM 35072.0000	4.9639	TM 152440.0000	92.16%
3	01:45:41	97.23%	-0.0128	TM 35262.0000	TM 35442.0000	TM 35520.0000	5.3045	TM 153210.0000	93.73%
4	01:46:18	99.93%	-0.0033	TM 35444.0000	TM 35553.0000	TM 35414.0000	4.7815	TM 154350.0000	94.63%
5	01:46:54	100.25%	-0.0019	TM 35297.0000	TM 35446.0000	TM 35496.0000	4.9683	TM 153160.0000	95.73%
x		98.03%	-0.0046	TM 35012.0000	TM 35173.0000	TM 35189.0000	4.9691	TM 152750.0000	93.46%
%RSD		1.95	133.1900	TM 1.5445	TM 1.3692	TM 1.2914	4.1210	TM 0.9037	2.02

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	01:44:28	0.2319	0.5787	0.4497	ID 6.5100	183.3400	172.8600	1813.9000	0.9676
2	01:45:05	0.2467	0.4788	0.3983	ID 6.4517	184.8200	175.0200	1652.3000	0.8931
3	01:45:41	0.2841	0.3299	0.3925	ID 6.8077	186.4500	174.6900	1610.2000	0.8920
4	01:46:18	0.2645	0.5041	0.3661	ID 6.5914	185.5800	172.4900	1464.3000	0.8983
5	01:46:54	0.2151	0.0665	0.3606	ID 6.4054	184.0300	169.9200	1483.9000	0.8833
x		0.2485	0.3916	0.3934	ID 6.5532	184.8400	173.0000	1604.9000	0.9069
%RSD		10.8820	51.8180	8.9974	ID 2.4160	0.6659	1.1821	8.8306	3.7896

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:44:28	5.0251	4.7576	4.8474	611.7400	9.5116	0.4818	0.8919	1.2753
2	01:45:05	4.8302	4.7515	5.0599	617.8200	9.1923	0.7563	0.9989	0.3548
3	01:45:41	4.7414	4.7133	5.1141	610.8400	9.6325	0.4613	1.1104	0.3187
4	01:46:18	4.7063	4.8473	4.9319	612.1700	9.4883	0.6426	1.0665	0.5121
5	01:46:54	4.5163	4.8342	4.9458	613.0200	9.2099	0.6037	0.8690	0.3655
x		4.7638	4.7808	4.9798	613.1200	9.4069	0.5891	0.9873	0.5653
%RSD		3.8954	1.2029	2.1402	0.4473	2.0815	20.5910	10.7010	71.4230

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	01:44:28	87.94%	0.0880	-0.2447	0.0870	4.4135	4.4337	86.08%	0.0000
2	01:45:05	89.57%	0.0863	0.8708	0.0818	4.4266	4.3338	89.09%	0.0000
3	01:45:41	91.77%	0.0921	0.1810	0.0814	4.2884	4.4716	90.83%	0.0000
4	01:46:18	92.97%	0.0831	1.8277	0.0845	4.4395	4.3043	91.88%	0.0000
5	01:46:54	93.39%	0.0962	0.7694	0.0838	4.3823	4.4284	93.00%	0.0000
x		91.13%	0.0891	0.6808	0.0837	4.3900	4.3944	90.17%	0.0000
%RSD		2.55	5.7374	115.3200	2.6970	1.3821	1.6271	3.00	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:44:28	8.0047	59.1340	59.0850	88.42%	0.5486	0.5280	7.7728	8.4975
2	01:45:05	8.0179	59.0460	58.3900	T 95.76%	0.5424	0.5399	7.9458	8.6730
3	01:45:41	7.9088	60.1750	59.3460	T 98.60%	0.5325	0.5366	7.9516	8.6863
4	01:46:18	7.9771	59.0190	59.0260	T 100.58%	0.5532	0.5501	7.9290	8.7132
5	01:46:54	7.9445	59.5360	58.1860	T 100.98%	0.5553	0.5219	7.8997	8.7060
x		7.9706	59.3820	58.8070	T 96.87%	0.5464	0.5353	7.8998	8.6552
%RSD		0.5593	0.8244	0.8396	T 5.32	1.6863	2.0351	0.9345	1.0349

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	01:44:28	8.2932	83.19%	0.0000
2	01:45:05	8.3387	87.36%	0.0000
3	01:45:41	8.3741	89.77%	0.0000
4	01:46:18	8.3427	91.70%	0.0000
5	01:46:54	8.2683	92.18%	0.0000
x		8.3234	88.84%	0.0000
%RSD		0.5070	4.15	0.0000

MH25A6 07/08/2008 01:49:44

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	01:50:21	95.65%	0.0034	TM 63988.0000	TM 64726.0000	TM 64482.0000	3.1867	TM 288430.0000	90.09%
2	01:50:58	94.96%	0.0065	TM 65692.0000	TM 66629.0000	TM 66179.0000	3.1997	TM 291770.0000	92.47%
3	01:51:34	96.34%	0.0133	TM 66991.0000	TM 67081.0000	TM 66818.0000	3.0804	TM 292210.0000	94.00%
4	01:52:11	96.10%	0.0133	TM 67581.0000	TM 68367.0000	TM 67919.0000	3.2423	TM 295280.0000	94.81%
5	01:52:48	97.91%	0.0142	TM 66798.0000	TM 66895.0000	TM 67286.0000	3.1735	TM 295880.0000	95.03%
x		96.19%	0.0101	TM 66210.0000	TM 66740.0000	TM 66537.0000	3.1765	TM 292710.0000	93.28%
%RSD		1.13	48.1510	TM 2.1414	TM 1.9613	TM 1.9741	1.8760	TM 1.0261	2.19

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:50:21	0.3609	0.5853	0.4507	ID 11.0100	487.0000	311.5300	3509.7000	4.8402
2	01:50:58	0.4016	0.2857	0.3921	ID 11.4210	487.2200	310.2700	3311.2000	4.8919
3	01:51:34	0.3077	0.1539	0.3561	ID 11.5250	487.6400	309.8400	3104.9000	4.7549
4	01:52:11	0.3142	0.2647	0.3393	ID 11.2640	491.0300	309.2000	2989.0000	4.7472
5	01:52:48	0.2947	0.2124	0.3608	ID 11.5820	T 484.0900	310.2400	2947.3000	4.8096
x		0.3358	0.3004	0.3798	ID 11.3600	T 487.4000	310.2200	3172.4000	4.8088
%RSD		13.2280	55.6660	11.5780	ID 2.0258	T 0.5067	0.2750	7.4240	1.2565

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	01:50:21	14.3710	9.9383	10.6300	3787.7000	6.4790	0.2535	0.6601	3.6936
2	01:50:58	14.4790	9.9557	10.6920	3820.4000	6.4709	0.4546	0.4987	3.1308
3	01:51:34	13.7760	9.9157	10.8770	3797.1000	6.4242	0.4464	0.3172	3.2995
4	01:52:11	14.1350	9.9319	10.3850	3796.0000	5.9985	-0.0494	0.4794	2.3701
5	01:52:48	13.8140	9.7772	10.8320	T 3575.8000	6.0697	0.3431	1.0476	2.2407
x		14.1150	9.9038	10.6830	T 3755.4000	6.2884	0.2896	0.6006	2.9470
%RSD		2.2518	0.7288	1.8222	T 2.6931	3.7290	71.3680	46.2550	21.1040

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	01:50:21	85.29%	0.1350	-0.0226	0.1243	18.8220	18.6870	83.54%	0.0000
2	01:50:58	88.14%	0.1245	0.1509	0.1260	18.8560	19.0510	85.91%	0.0000
3	01:51:34	91.00%	0.1153	1.3442	0.1226	18.5500	18.5530	88.73%	0.0000
4	01:52:11	91.72%	0.1165	-1.1083	0.0995	18.7190	18.5290	90.41%	0.0000
5	01:52:48	91.77%	0.1360	0.3729	0.1143	18.9250	18.4110	90.56%	0.0000
x		89.58%	0.1255	0.1474	0.1173	18.7740	18.6460	87.83%	0.0000
%RSD		3.15	7.8477	596.1200	9.3395	0.7784	1.3220	3.46	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:50:21	14.2070	45.7510	45.0090	85.40%	1.3320	1.2939	42.3510	45.8890
2	01:50:58	14.4280	45.3960	45.7850	90.09%	1.3423	1.2624	42.2420	45.5610
3	01:51:34	14.4070	46.2780	45.6980	92.66%	1.3287	1.3090	42.0730	46.3520
4	01:52:11	14.3950	45.1010	45.1290	94.19%	1.3792	1.2973	42.5560	46.4110
5	01:52:48	14.4650	45.5260	46.0000	94.64%	1.3694	1.3131	41.9480	46.3120
x		14.3800	45.6100	45.5240	91.40%	1.3503	1.2952	42.2340	46.1050
%RSD		0.6988	0.9673	0.9491	4.15	1.6821	1.5411	0.5620	0.7974

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	01:50:21	44.2670	77.97%	0.0000
2	01:50:58	44.2720	82.47%	0.0000
3	01:51:34	44.2940	85.09%	0.0000
4	01:52:11	44.4110	86.04%	0.0000
5	01:52:48	44.3850	86.39%	0.0000
x		44.3260	83.59%	0.0000
%RSD		0.1517	4.18	0.0000

zzzzzz 07/08/2008 01:55:38

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	01:56:15	101.36%	-0.0049	0.0860	-0.0345	0.2374	0.3169	9.1144	95.92%
2	01:56:51	102.33%	-0.0037	0.4282	0.7461	0.1773	0.3213	8.0828	98.33%
3	01:57:28	101.86%	-0.0009	4.0404	3.9869	3.5707	0.3909	17.5560	99.65%
4	01:58:04	102.68%	-0.0038	12.9850	14.3090	13.3780	0.5298	56.7060	100.39%
5	01:58:41	103.58%	-0.0026	4.7634	4.9601	5.7005	0.4034	22.2550	101.27%
x		102.36%	-0.0032	4.4605	4.7935	4.6127	0.3925	22.7430	99.11%
%RSD		0.82	47.3940	116.6700	119.3500	117.7000	21.9730	87.4250	2.10

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	01:56:15	0.0701	-0.0004	0.0331	ID 0.0297	-0.0221	10.4770	-0.4691	-0.0043
2	01:56:51	0.0671	0.0481	-0.0065	ID 0.0665	-0.0168	10.9820	-0.4424	-0.0044
3	01:57:28	0.0376	-0.0473	-0.0009	ID -0.0618	0.0217	7.5020	-4.8164	-0.0045
4	01:58:04	0.0122	0.0230	0.0080	ID -0.0278	0.0706	7.7529	-3.1832	-0.0016
5	01:58:41	0.0178	0.0702	0.0172	ID 0.0069	0.0180	5.3465	-3.1375	0.0006
x		0.0410	0.0187	0.0102	ID 0.0027	0.0143	8.4121	-2.4097	-0.0028
%RSD		65.8320	242.7600	153.7400	ID 1855.0000	260.4200	27.5790	79.1640	80.1080

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	01:56:15	0.0084	0.0092	0.0740	1.2252	-0.0167	0.7806	0.0293	0.0318
2	01:56:51	0.0012	0.0186	0.0577	0.9762	-0.0478	0.8465	0.0564	-0.0095
3	01:57:28	-0.0181	0.0259	0.0912	1.0254	-0.0035	1.2308	0.0128	0.2134
4	01:58:04	0.0175	0.0027	0.0747	1.4590	-0.0460	1.0075	-0.1125	0.9137
5	01:58:41	-0.0088	0.0149	0.0478	1.1330	-0.0242	0.7587	-0.0841	0.4108
x		0.0000	0.0143	0.0691	1.1638	-0.0276	0.9248	-0.0196	0.3121
%RSD		44602.0000	62.1170	24.2800	16.4280	69.1920	21.2850	378.1300	120.2600

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	01:56:15	94.11%	-0.0167	-0.9752	-0.0193	-0.0011	0.0009	93.64%	0.0000
2	01:56:51	96.58%	-0.0171	-0.6006	-0.0203	-0.0032	-0.0008	96.66%	0.0000
3	01:57:28	98.37%	-0.0161	-0.0432	-0.0188	-0.0032	-0.0003	99.06%	0.0000
4	01:58:04	99.59%	0.0047	1.1065	0.0059	0.0068	0.0091	100.24%	0.0000
5	01:58:41	100.58%	-0.0074	-0.3331	-0.0074	0.0028	0.0048	100.64%	0.0000
x		97.85%	-0.0105	-0.1691	-0.0120	0.0004	0.0027	98.05%	0.0000
%RSD		2.62	89.5760	468.0100	94.1180	1019.9000	153.8700	2.97	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	01:56:15	-0.0097	-0.0017	0.0194	90.33%	-0.0308	-0.0269	0.0023	0.0069
2	01:56:51	0.0069	-0.0020	0.0077	T 98.45%	-0.0322	-0.0278	0.0060	0.0117
3	01:57:28	0.0022	0.0099	0.0179	96.43%	-0.0314	-0.0240	0.0168	0.0066
4	01:58:04	0.0058	0.0442	0.0171	T 102.00%	-0.0264	-0.0201	0.0169	0.0145
5	01:58:41	-0.0025	-0.0022	0.0140	99.67%	-0.0275	-0.0226	0.0187	0.0141
x		0.0006	0.0096	0.0152	T 97.38%	-0.0297	-0.0243	0.0121	0.0108
%RSD		1223.3000	207.4700	30.5210	T 4.54	8.5917	12.9670	61.4410	35.4930

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	01:56:15	0.0029	92.33%	0.0000
2	01:56:51	0.0099	96.29%	0.0000
3	01:57:28	0.0102	99.04%	0.0000
4	01:58:04	0.0211	101.27%	0.0000
5	01:58:41	0.0177	102.59%	0.0000
x		0.0124	98.30%	0.0000
%RSD		58.0240	4.18	0.0000

CCV2 07/08/2008 02:01:32

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	02:02:09	97.24%	250.7800	995.2400	1002.7000	997.1900	244.8100	963.5300	91.73%
2	02:02:46	97.10%	250.7000	1005.9000	1026.5000	1025.3000	244.1500	976.9500	93.36%
3	02:03:23	97.95%	249.5400	1023.2000	1047.8000	1035.2000	243.5100	999.9200	94.57%
4	02:03:59	97.88%	248.4100	1039.8000	1057.7000	1053.3000	243.9100	1026.5000	94.77%
5	02:04:36	99.06%	247.0200	1035.6000	1051.0000	1063.8000	241.9800	1014.3000	96.06%
x		97.84%	249.2900	1019.9000	1037.2000	1035.0000	243.6700	996.2300	94.10%
%RSD		0.79	0.6410	1.8700	2.1698	2.5049	0.4336	2.6056	1.74

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	02:02:09	0.0427	243.0800	240.0800	ID 44.3150	241.5000	1011.7000	994.0600	243.6200
2	02:02:46	0.0357	243.3900	240.8500	ID 44.8910	241.9600	1022.4000	1000.6000	243.3900
3	02:03:23	0.0266	243.7300	239.0900	ID 44.5080	242.0200	1025.9000	1006.8000	239.9600
4	02:03:59	0.0192	241.1900	238.9100	ID 45.2360	241.3600	1030.6000	989.7500	241.0800
5	02:04:36	0.0076	239.7300	237.5300	ID 45.3980	239.0200	1025.6000	988.4000	239.0300
x		0.0264	242.2300	239.2900	ID 44.8700	241.1700	1023.2000	995.9300	241.4200
%RSD		52.1850	0.7042	0.5268	ID 1.0295	0.5131	0.6940	0.7757	0.8463

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	02:02:09	242.4600	241.4800	242.6500	243.7500	244.5800	249.6100	249.1200	0.5956
2	02:02:46	242.5600	239.6900	240.1100	243.4100	244.1700	247.8200	249.0700	0.3517
3	02:03:23	241.5800	238.7200	239.4500	243.0500	242.4800	240.9800	247.2200	0.0454
4	02:03:59	241.1700	238.0700	239.8700	242.2600	241.0200	244.2200	245.7500	0.0629
5	02:04:36	237.4800	237.8300	238.7200	243.4700	239.2200	243.1800	239.7000	0.6181
x		241.0500	239.1600	240.1600	243.1800	242.2900	245.1600	246.1700	0.3347
%RSD		0.8637	0.6206	0.6198	0.2367	0.9194	1.4293	1.5780	82.6550

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	02:02:09	89.97%	242.3300	0.0817	242.3100	245.9000	243.9700	89.97%	0.0000
2	02:02:46	92.56%	240.5700	1.8403	240.5000	244.2300	244.4900	93.37%	0.0000
3	02:03:23	93.95%	239.7900	0.4064	239.6700	244.2400	243.3400	95.76%	0.0000
4	02:03:59	95.10%	241.0900	3.3597	240.7200	244.5100	243.5800	96.51%	0.0000
5	02:04:36	96.08%	239.2300	1.3493	239.0900	243.0900	243.2300	98.28%	0.0000
x		93.53%	240.6000	1.4075	240.4600	244.4000	243.7200	94.78%	0.0000
%RSD		2.55	0.4985	92.3740	0.5091	0.4099	0.2108	3.39	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	02:02:09	239.2100	244.9200	243.9700	87.55%	240.2000	235.5000	242.0500	242.2900
2	02:02:46	239.7200	239.6400	238.6600	T 95.49%	240.7700	235.7900	240.7400	242.7300
3	02:03:23	241.5100	244.1700	240.4200	95.13%	241.6300	238.2200	242.9800	243.5700
4	02:03:59	245.6500	243.4500	243.2600	96.87%	240.3300	236.4100	241.1800	242.7100
5	02:04:36	242.6900	240.3400	238.5500	T 101.71%	239.8600	236.5100	242.4800	243.1600
x		241.7500	242.5000	240.9700	T 95.35%	240.5600	236.4900	241.8900	242.8900
%RSD		1.0687	0.9753	1.0525	T 5.34	0.2844	0.4473	0.3800	0.2015

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	02:02:09	240.4200	90.02%	0.6453
2	02:02:46	240.0100	94.74%	0.0000
3	02:03:23	240.7300	97.89%	0.0000
4	02:03:59	239.5700	100.68%	0.0000
5	02:04:36	241.2800	102.04%	0.0000
x		240.4000	97.07%	0.1291
%RSD		0.2730	4.98	223.6100

CCB2 07/08/2008 02:07:28

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	02:08:04	96.88%	0.0318	0.6623	1.3681	0.5774	0.1429	1.2433	93.14%
2	02:08:41	98.41%	0.0154	0.9154	1.3350	0.8040	0.0829	0.5685	94.70%
3	02:09:18	98.54%	0.0818	6.2501	6.2605	6.9941	0.3237	21.7870	96.23%
4	02:09:54	98.92%	0.0602	6.6504	6.0526	7.7780	0.2992	21.1620	97.71%
5	02:10:31	99.86%	0.0664	4.1674	4.8263	4.0981	0.2375	13.8150	98.11%
x		98.52%	0.0511	3.7291	3.9685	4.0503	0.2172	11.7150	95.98%
%RSD		1.09	52.6720	76.3240	61.7610	82.9610	47.1880	88.3990	2.17

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	02:08:04	0.0113	0.0710	0.0144	ID -0.1044	0.0185	0.3648	-4.7769	0.0343
2	02:08:41	0.0050	0.0531	0.0114	ID -0.1174	0.0236	0.8031	-3.8045	0.0322
3	02:09:18	0.0300	0.0580	0.0699	ID -0.0998	0.0894	-0.8309	-8.0429	0.0555
4	02:09:54	0.0168	0.0521	0.0324	ID -0.1080	0.0966	-2.6206	-9.0463	0.0706
5	02:10:31	0.0177	0.0502	0.0408	ID -0.0531	0.0800	-2.5708	-6.8940	0.0619
x		0.0161	0.0569	0.0338	ID -0.0965	0.0616	-0.9709	-6.5129	0.0509
%RSD		57.2860	14.7980	69.9920	ID 26.0200	60.9680	164.7400	33.6860	33.4160

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	02:08:04	0.0273	0.0622	0.0913	-0.0143	0.0361	0.3057	0.0457	0.3180
2	02:08:41	0.0307	0.0319	0.0792	-0.0584	0.0380	0.3142	-0.0731	0.4500
3	02:09:18	0.0479	0.0597	0.1247	0.1775	0.0248	0.7662	-0.1157	0.8020
4	02:09:54	0.0649	0.0701	0.1003	0.2025	0.1787	0.4213	0.4263	-0.3717
5	02:10:31	0.0377	0.0498	0.1103	0.0490	0.0170	0.5271	-0.0435	0.9397
x		0.0417	0.0547	0.1012	0.0713	0.0589	0.4669	0.0480	0.4276
%RSD		36.3660	26.8300	17.2310	161.7400	114.6400	40.7200	457.8900	120.0400

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	02:08:04	91.88%	0.0004	-0.6890	-0.0001	0.0267	0.0299	92.22%	0.0000
2	02:08:41	94.49%	0.0036	0.2699	0.0029	0.0383	0.0418	95.19%	0.0000
3	02:09:18	95.94%	0.0153	-0.4879	0.0137	0.0662	0.0858	96.46%	0.0000
4	02:09:54	96.89%	0.0167	-0.0753	0.0213	0.0531	0.0600	98.03%	0.0000
5	02:10:31	97.97%	0.0139	-0.1023	0.0079	0.0703	0.0442	98.98%	0.0000
x		95.43%	0.0100	-0.2169	0.0092	0.0509	0.0523	96.18%	0.0000
%RSD		2.47	74.5930	173.4800	93.9380	36.2190	41.2020	2.75	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	02:08:04	0.3767	0.0305	0.0342	90.33%	0.0153	0.0154	0.0426	0.0392
2	02:08:41	0.4590	0.0285	0.0390	T 97.80%	0.0295	0.0152	0.0467	0.0440
3	02:09:18	0.4979	0.0878	0.0722	T 99.83%	0.0440	0.0487	0.0866	0.0921
4	02:09:54	0.4038	0.0805	0.0878	T 101.13%	0.0665	0.0634	0.0808	0.0908
5	02:10:31	0.3357	0.0681	0.0538	T 101.79%	0.0350	0.0388	0.0650	0.0993
x		0.4146	0.0591	0.0574	T 98.18%	0.0380	0.0363	0.0643	0.0731
%RSD		15.5840	47.2670	39.2830	T 4.73	49.9850	58.0800	30.6050	39.6010

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	02:08:04	0.0441	93.00%	0.0000
2	02:08:41	0.0400	97.14%	0.0000
3	02:09:18	0.0882	99.15%	0.0000
4	02:09:54	0.0828	100.29%	0.0000
5	02:10:31	0.0786	101.57%	0.0000
x		0.0667	98.23%	0.0000
%RSD		34.2440	3.41	0.0000

MH25A7 07/08/2008 02:13:23

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	02:13:59	96.77%	0.0075	TM 29706.0000	TM 29693.0000	TM 29624.0000	103.4800	TM 134690.0000	89.91%
2	02:14:36	97.89%	0.0028	TM 30403.0000	TM 30301.0000	TM 30363.0000	103.2200	TM 135460.0000	92.18%
3	02:15:13	98.75%	0.0069	TM 30639.0000	TM 30700.0000	TM 30640.0000	104.3800	TM 136750.0000	93.10%
4	02:15:50	99.92%	0.0037	TM 30860.0000	TM 30857.0000	TM 31044.0000	103.1500	TM 136850.0000	94.57%
5	02:16:26	100.19%	0.0037	TM 30819.0000	TM 30760.0000	TM 30932.0000	103.1700	TM 136800.0000	94.26%
x		98.70%	0.0049	TM 30485.0000	TM 30462.0000	TM 30521.0000	103.4800	TM 136110.0000	92.80%
%RSD		1.44	42.6480	TM 1.5461	TM 1.5734	TM 1.8575	0.5016	TM 0.7219	2.02

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	02:13:59	0.6332	0.3338	0.5341	ID 12.5910	447.9300	324.8900	1875.2000	1.3041
2	02:14:36	0.5896	0.4640	0.5654	ID 12.7110	448.5600	326.7400	1723.6000	1.2638
3	02:15:13	0.6483	0.3990	0.5044	ID 12.7850	450.4300	328.3500	1663.5000	1.3006
4	02:15:50	0.6135	0.5944	0.4333	ID 12.6710	448.7700	328.3500	1575.0000	1.1823
5	02:16:26	0.5954	0.3950	0.4718	ID 12.8630	453.4000	331.0700	1535.5000	1.1544
x		0.6160	0.4372	0.5018	ID 12.7240	449.8200	327.8800	1674.6000	1.2410
%RSD		4.0304	22.6850	10.3060	ID 0.8229	0.4909	0.6963	8.0153	5.5529

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	02:13:59	5.1831	6.2582	6.8739	1074.0000	6.4473	1.5547	0.9689	0.7585
2	02:14:36	5.3857	6.2253	6.8867	1078.0000	6.2377	0.3467	1.1200	0.7311
3	02:15:13	5.1423	6.2405	6.5381	1077.6000	6.1058	1.2127	1.1983	0.8060
4	02:15:50	5.1615	6.3264	6.7118	1065.3000	6.3054	1.1313	1.0280	0.2895
5	02:16:26	4.8787	6.3426	6.4963	1074.0000	6.0508	0.5531	1.3046	0.7006
x		5.1503	6.2786	6.7014	1073.8000	6.2294	0.9597	1.1240	0.6572
%RSD		3.5067	0.8382	2.7203	0.4777	2.5443	51.8000	11.8900	31.8220

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	02:13:59	86.63%	0.2180	-0.4773	0.2241	5.3710	5.3728	84.29%	0.0000
2	02:14:36	89.71%	0.2119	-0.3040	0.2124	5.4025	5.4982	87.91%	0.0000
3	02:15:13	90.73%	0.1899	0.6815	0.2039	5.4783	5.3683	90.26%	0.0000
4	02:15:50	92.38%	0.2029	0.3152	0.1946	5.3157	5.3727	91.44%	0.0000
5	02:16:26	92.94%	0.2014	0.6564	0.1883	5.4174	5.4581	92.09%	0.0000
x		90.48%	0.2048	0.1744	0.2046	5.3970	5.4140	89.20%	0.0000
%RSD		2.77	5.2387	309.2400	6.9377	1.1095	1.1129	3.56	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	02:13:59	8.1780	65.3580	65.9360	85.56%	0.3493	0.3374	46.6170	51.4790
2	02:14:36	8.2442	66.7220	65.7880	90.76%	0.3263	0.3472	47.4440	51.7200
3	02:15:13	8.1211	65.5230	66.1340	93.59%	0.3523	0.3292	46.8540	51.1510
4	02:15:50	8.2111	64.6300	64.2090	T 98.60%	0.3578	0.3438	47.5770	51.5830
5	02:16:26	8.3388	65.4070	64.5890	T 99.40%	0.3561	0.3576	47.0320	51.8280
x		8.2186	65.5280	65.3310	T 93.58%	0.3484	0.3431	47.1050	51.5520
%RSD		0.9873	1.1515	1.3320	T 6.12	3.6693	3.1010	0.8523	0.5058

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	02:13:59	49.2970	80.98%	0.0000
2	02:14:36	49.4360	86.09%	0.0000
3	02:15:13	49.1160	88.91%	0.0000
4	02:15:50	49.7350	90.17%	0.0000
5	02:16:26	49.2970	90.92%	0.0000
x		49.3760	87.41%	0.0000
%RSD		0.4673	4.62	0.0000

MH25A9 07/08/2008 02:19:18

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	02:19:55	96.35%	0.0090	TM 51838.0000	TM 52187.0000	TM 52223.0000	5.8351	TM 212220.0000	90.77%
2	02:20:32	95.77%	0.0033	TM 53314.0000	TM 53466.0000	TM 53565.0000	6.0307	TM 213290.0000	92.93%
3	02:21:08	97.00%	0.0159	TM 53800.0000	TM 53974.0000	TM 54212.0000	5.9501	TM 215480.0000	94.39%
4	02:21:45	98.30%	0.0055	TM 53888.0000	TM 53631.0000	TM 53989.0000	6.0057	TM 213790.0000	95.41%
5	02:22:22	97.08%	0.0029	TM 54519.0000	TM 54508.0000	TM 54415.0000	5.9621	TM 214680.0000	96.03%
x		96.90%	0.0074	TM 53472.0000	TM 53553.0000	TM 53681.0000	5.9567	TM 213890.0000	93.91%
%RSD		0.98	73.0700	TM 1.8870	TM 1.6089	TM 1.6279	1.2656	TM 0.5885	2.25

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	02:19:55	0.4065	0.4301	0.4526	ID 13.2500	287.1700	348.4700	2682.3000	3.6470
2	02:20:32	0.3446	0.2926	0.4037	ID 13.0000	287.1800	347.4100	2438.4000	3.6144
3	02:21:08	0.3434	0.1872	0.4290	ID 13.1760	286.8400	348.3900	2509.3000	3.4708
4	02:21:45	0.2789	0.4080	0.4034	ID 13.1660	284.0600	344.8100	2254.5000	3.4814
5	02:22:22	0.3484	0.3723	0.4078	ID 13.3600	285.8500	344.4200	2270.1000	3.5027
x		0.3444	0.3380	0.4193	ID 13.1910	286.2200	346.7000	2430.9000	3.5433
%RSD		13.1170	29.3490	5.1060	ID 0.9990	0.4624	0.5630	7.3119	2.2993

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	02:19:55	11.7070	10.2730	10.6580	2831.6000	3.0294	0.8179	1.0107	1.5214
2	02:20:32	11.2080	10.1800	10.4940	2833.2000	3.4058	0.6398	0.5655	2.8095
3	02:21:08	11.1050	10.3230	10.7100	2843.6000	3.2461	0.5517	0.8577	1.2696
4	02:21:45	10.8140	10.1190	10.3460	2826.0000	3.1786	0.3892	0.5359	1.2768
5	02:22:22	10.7100	10.3470	10.4670	2829.9000	3.1472	0.3697	0.3540	1.5392
x		11.1090	10.2480	10.5350	2832.8000	3.2014	0.5536	0.6648	1.6833
%RSD		3.5277	0.9425	1.4065	0.2324	4.3284	33.5650	39.7960	38.1730

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	02:19:55	87.02%	0.1236	0.2841	0.1388	19.3580	19.3900	84.17%	0.0000
2	02:20:32	89.99%	0.1365	0.4385	0.1185	19.2830	19.3070	87.58%	0.0000
3	02:21:08	91.36%	0.1177	0.4399	0.1269	19.5190	18.9110	88.75%	0.0000
4	02:21:45	92.33%	0.1298	1.5844	0.1203	19.1470	19.1660	90.12%	0.0000
5	02:22:22	93.15%	0.1366	0.9584	0.1261	19.4910	19.2340	90.83%	0.0000
x		90.77%	0.1288	0.7410	0.1261	19.3600	19.2020	88.29%	0.0000
%RSD		2.65	6.3977	72.3400	6.2902	0.7905	0.9508	2.97	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	02:19:55	5.7075	109.3600	110.1800	86.81%	0.8258	0.8305	8.7533	9.3665
2	02:20:32	5.8311	106.8500	107.4600	T 94.03%	0.8255	0.8386	8.7820	9.4284
3	02:21:08	5.5848	108.6000	107.6700	T 96.74%	0.8594	0.8542	8.6900	9.3789
4	02:21:45	5.5511	107.6200	107.6000	T 98.04%	0.8681	0.8364	8.7488	9.5619
5	02:22:22	5.6653	109.3200	107.1500	T 99.36%	0.8650	0.8285	8.6453	9.4362
x		5.6680	108.3500	108.0100	T 95.00%	0.8488	0.8376	8.7239	9.4344
%RSD		1.9476	1.0120	1.1377	T 5.24	2.5144	1.2093	0.6327	0.8208

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	02:19:55	9.0749	78.70%	0.0000
2	02:20:32	9.1711	83.10%	0.0000
3	02:21:08	9.0639	85.45%	0.0000
4	02:21:45	9.2691	86.19%	0.0000
5	02:22:22	9.0256	88.14%	0.0000
x		9.1209	84.32%	0.0000
%RSD		1.0816	4.30	0.0000

MH25B0 07/08/2008 02:25:14

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	02:25:50	97.41%	0.0030	TM 31717.0000	TM 31849.0000	TM 31905.0000	37.2690	TM 141570.0000	90.12%
2	02:26:27	98.51%	0.0013	TM 32202.0000	TM 32092.0000	TM 32368.0000	36.1500	TM 142120.0000	92.26%
3	02:27:04	98.01%	-0.0086	TM 32842.0000	TM 32760.0000	TM 32929.0000	37.0850	TM 143420.0000	94.03%
4	02:27:40	98.91%	-0.0031	TM 32994.0000	TM 33117.0000	TM 33033.0000	37.1060	TM 143970.0000	94.73%
5	02:28:17	100.32%	-0.0019	TM 33002.0000	TM 33168.0000	TM 33124.0000	36.9580	TM 144650.0000	95.23%
x		98.63%	-0.0019	TM 32551.0000	TM 32597.0000	TM 32672.0000	36.9140	TM 143140.0000	93.27%
%RSD		1.11	240.1000	TM 1.7531	TM 1.8395	TM 1.5918	1.1947	TM 0.8939	2.24

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	02:25:50	0.3302	0.3756	0.5254	ID 9.9455	T 738.5000	265.2700	1873.2000	4.3629
2	02:26:27	0.2345	0.4222	0.4093	ID 9.9108	T 739.1400	261.5500	1738.8000	4.2836
3	02:27:04	0.2583	0.4631	0.4363	ID 9.7787	T 735.6600	262.6300	1524.4000	4.1064
4	02:27:40	0.2685	0.4338	0.4406	ID 9.8493	T 736.1500	263.1500	1575.2000	4.1474
5	02:28:17	0.2294	0.3401	0.4744	ID 10.2390	T 739.1200	259.2000	1432.7000	4.0620
x		0.2642	0.4069	0.4572	ID 9.9446	T 737.7100	262.3600	1628.9000	4.1924
%RSD		15.2590	12.0070	9.7509	ID 1.7721	T 0.2276	0.8472	10.8120	3.0123

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	02:25:50	8.2178	5.1910	5.5403	3862.2000	3.8557	1.5266	1.4251	1.9987
2	02:26:27	8.0321	5.0607	5.4311	3852.1000	3.7028	1.1878	1.1621	2.2426
3	02:27:04	8.0342	5.0205	5.4251	3849.0000	3.9947	1.7381	1.6426	1.5419
4	02:27:40	7.6896	5.1764	5.5194	3866.0000	3.9743	0.7788	1.3350	2.1238
5	02:28:17	7.7933	4.9487	5.4423	3864.2000	4.1314	1.3661	1.3783	2.2377
x		7.9534	5.0795	5.4716	3858.7000	3.9318	1.3195	1.3886	2.0289
%RSD		2.6516	2.0355	0.9870	0.1983	4.0975	27.5870	12.4790	14.2920

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	02:25:50	86.81%	0.0808	0.7493	0.0604	14.2550	14.5070	84.96%	0.0000
2	02:26:27	90.01%	0.0872	0.8686	0.0675	14.3590	14.2950	88.91%	0.0000
3	02:27:04	92.19%	0.0793	1.5240	0.0679	14.3560	14.0550	91.18%	0.0000
4	02:27:40	92.77%	0.0695	-0.4779	0.0710	14.1790	13.7920	92.57%	0.0000
5	02:28:17	93.94%	0.0810	0.6870	0.0718	13.9020	13.9000	93.94%	0.0000
x		91.14%	0.0796	0.6702	0.0677	14.2100	14.1100	90.31%	0.0000
%RSD		3.09	8.0100	107.9400	6.6217	1.3228	2.0645	3.90	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	02:25:50	6.5468	60.4110	61.1850	86.29%	0.6690	0.6345	20.9380	23.1070
2	02:26:27	6.4187	59.1290	59.0320	T 94.47%	0.6498	0.6485	21.2640	22.9890
3	02:27:04	6.7672	60.0270	58.7770	T 97.44%	0.6852	0.6403	20.6570	22.9910
4	02:27:40	6.7598	58.6630	59.3900	T 99.33%	0.6702	0.6506	20.9030	23.2030
5	02:28:17	6.4867	58.3490	58.3170	T 100.27%	0.6782	0.6296	20.9630	23.0010
x		6.5958	59.3160	59.3400	T 95.56%	0.6705	0.6407	20.9450	23.0580
%RSD		2.4205	1.4848	1.8586	T 5.90	1.9795	1.3973	1.0324	0.4097

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	02:25:50	22.1160	81.09%	0.0000
2	02:26:27	22.1180	85.85%	0.0000
3	02:27:04	22.0560	88.69%	0.0000
4	02:27:40	21.9380	90.95%	0.0000
5	02:28:17	21.9720	91.72%	0.0000
x		22.0400	87.66%	0.0000
%RSD		0.3737	4.94	0.0000

MH25B1 07/08/2008 02:31:10

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	02:31:46	99.19%	0.0012	TM 26493.0000	TM 26494.0000	TM 26479.0000	94.4390	TM 119930.0000	91.79%
2	02:32:23	99.51%	0.0025	TM 26868.0000	TM 26990.0000	TM 27097.0000	95.6340	TM 121030.0000	93.14%
3	02:33:00	100.47%	0.0022	TM 27367.0000	TM 27354.0000	TM 27405.0000	95.8610	TM 121450.0000	94.26%
4	02:33:37	100.89%	-0.0076	TM 27353.0000	TM 27439.0000	TM 27371.0000	95.1630	TM 122130.0000	95.28%
5	02:34:13	101.16%	0.0117	TM 27494.0000	TM 27540.0000	TM 27514.0000	94.6200	TM 122490.0000	95.20%
x		100.24%	0.0020	TM 27115.0000	TM 27163.0000	TM 27173.0000	95.1430	TM 121410.0000	93.94%
%RSD		0.86	342.4200	TM 1.5553	TM 1.5752	TM 1.5360	0.6491	TM 0.8254	1.57

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	02:31:46	0.5976	0.6379	0.6403	ID 12.6860	236.3000	335.1300	1769.1000	0.8648
2	02:32:23	0.5868	0.6143	0.6209	ID 12.8940	237.9200	334.4900	1530.4000	0.8108
3	02:33:00	0.4992	0.5615	0.6040	ID 12.9600	237.5800	330.5400	1467.5000	0.7568
4	02:33:37	0.5299	0.4401	0.6565	ID 12.7380	236.8800	334.6600	1477.4000	0.7560
5	02:34:13	0.5031	0.4433	0.6331	ID 12.7510	237.2000	332.0500	1426.4000	0.7688
x		0.5433	0.5394	0.6310	ID 12.8060	237.1800	333.3700	1534.2000	0.7915
%RSD		8.5252	17.3180	3.1406	ID 0.9032	0.2647	0.5963	8.8940	5.9005

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	02:31:46	4.4225	5.3838	5.7412	826.2100	5.1553	1.1768	1.4083	1.3456
2	02:32:23	4.3120	5.6963	5.7075	819.8400	4.9378	1.0285	1.4719	-0.3273
3	02:33:00	4.3403	5.4437	5.5767	821.1600	4.8310	1.3966	1.2963	-0.1440
4	02:33:37	4.0611	5.4251	5.8946	826.6000	4.8659	1.2715	1.3027	1.1263
5	02:34:13	4.2635	5.3497	5.7225	821.3200	4.9162	1.2379	1.0009	0.9136
x		4.2799	5.4597	5.7285	823.0300	4.9412	1.2223	1.2960	0.5829
%RSD		3.1601	2.5131	1.9762	0.3817	2.5656	11.0270	13.9460	131.3100

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	02:31:46	87.72%	0.1863	0.0948	0.2019	3.5538	3.4739	86.23%	0.0000
2	02:32:23	90.68%	0.1798	0.2654	0.1781	3.5038	3.4506	89.08%	0.0000
3	02:33:00	92.42%	0.1878	0.5116	0.1905	3.4775	3.4498	90.81%	0.0000
4	02:33:37	92.91%	0.1952	0.6421	0.2024	3.4218	3.4943	91.99%	0.0000
5	02:34:13	93.54%	0.1968	1.2665	0.1972	3.5392	3.4640	92.26%	0.0000
x		91.46%	0.1892	0.5561	0.1940	3.4992	3.4665	90.07%	0.0000
%RSD		2.56	3.6744	80.9950	5.2080	1.5026	0.5333	2.76	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	02:31:46	7.1691	60.4660	60.7280	86.94%	0.1691	0.1575	55.6290	59.7650
2	02:32:23	7.2329	60.4890	61.3340	91.47%	0.1617	0.1486	55.2330	60.3980
3	02:33:00	7.2895	61.0600	60.9060	93.68%	0.1775	0.1733	54.9070	59.9370
4	02:33:37	7.4729	62.3350	61.1870	94.40%	0.1678	0.1809	55.3390	60.1980
5	02:34:13	7.3876	60.9620	60.0960	T 98.88%	0.1791	0.1719	55.1840	59.6870
x		7.3104	61.0620	60.8500	T 93.07%	0.1711	0.1664	55.2580	59.9970
%RSD		1.6586	1.2452	0.7940	T 4.69	4.2162	7.8617	0.4731	0.4963

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	02:31:46	58.0550	82.30%	0.0000
2	02:32:23	58.2320	86.23%	0.0000
3	02:33:00	57.9190	88.56%	0.0000
4	02:33:37	58.1530	90.26%	0.0000
5	02:34:13	57.7830	90.86%	0.0000
x		58.0290	87.64%	0.0000
%RSD		0.3106	3.98	0.0000

MH25B2 07/08/2008 02:37:07

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	02:37:44	97.13%	0.0045	TM 35993.0000	TM 36036.0000	TM 35891.0000	32.8100	TM 162210.0000	91.33%
2	02:38:20	99.19%	-0.0073	TM 36339.0000	TM 36466.0000	TM 36776.0000	33.1900	TM 162900.0000	94.56%
3	02:38:57	99.93%	-0.0019	TM 36988.0000	TM 36926.0000	TM 37254.0000	32.9470	TM 164150.0000	96.05%
4	02:39:34	101.14%	0.0075	TM 37129.0000	TM 37344.0000	TM 37380.0000	32.8800	TM 165360.0000	97.03%
5	02:40:10	100.20%	-0.0033	TM 37950.0000	TM 37658.0000	TM 37709.0000	32.8600	TM 166520.0000	98.12%
x		99.52%	-0.0001	TM 36880.0000	TM 36886.0000	TM 37002.0000	32.9380	TM 164230.0000	95.42%
%RSD		1.51	5455.5000	TM 2.0554	TM 1.7707	TM 1.9074	0.4542	TM 1.0714	2.76
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	02:37:44	0.4196	0.9133	0.8873	ID 3.5423	202.9900	113.1600	2076.2000	1.2161
2	02:38:20	0.3584	0.7056	0.8794	ID 3.6655	202.6400	107.5400	1722.0000	1.1223
3	02:38:57	0.3327	0.8186	0.8457	ID 3.6403	202.8900	107.1000	1664.1000	1.1197
4	02:39:34	0.2987	0.8232	0.8526	ID 3.7776	202.6300	107.5700	1586.2000	1.0719
5	02:40:10	0.3149	0.8927	0.7891	ID 3.7542	202.1100	102.6800	1491.2000	1.0745
x		0.3449	0.8307	0.8508	ID 3.6760	202.6500	107.6100	1707.9000	1.1209
%RSD		13.7100	9.8037	4.5453	ID 2.5706	0.1686	3.4576	13.0760	5.2051
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	02:37:44	5.4220	3.3006	3.4570	773.2300	2.9495	1.8011	0.9378	1.0107
2	02:38:20	5.1865	3.4194	3.3507	770.7600	3.1270	1.2362	0.7980	0.8971
3	02:38:57	4.9990	3.3008	3.3271	765.7000	3.0982	1.3755	0.6162	1.5715
4	02:39:34	4.9444	3.3325	3.5806	767.9600	2.8572	1.1939	0.9388	0.1635
5	02:40:10	4.6712	3.2379	3.1672	767.4600	2.9456	0.8273	1.0545	1.0597
x		5.0446	3.3182	3.3765	769.0200	2.9955	1.2868	0.8690	0.9405
%RSD		5.5546	1.9941	4.5661	0.3866	3.7911	27.3280	19.3370	53.7680
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	02:37:44	87.99%	0.0192	-0.1189	0.0125	3.2971	3.2935	84.92%	0.0000
2	02:38:20	91.27%	0.0215	0.3468	0.0184	3.3012	3.3689	89.17%	0.0000
3	02:38:57	93.72%	0.0206	0.2173	0.0134	3.3664	3.3073	91.58%	0.0000
4	02:39:34	95.30%	0.0207	0.8988	0.0106	3.3191	3.2744	92.97%	0.0000
5	02:40:10	96.57%	0.0212	0.6098	0.0295	3.2248	3.3862	94.31%	0.0000
x		92.97%	0.0206	0.3908	0.0169	3.3017	3.3261	90.59%	0.0000
%RSD		3.67	4.2401	98.9300	45.1150	1.5461	1.4671	4.08	0.0000
Run	**Time**	**121Sb**	**135Ba**	**137Ba**	**159Tb**	**203Tl**	**205Tl**	**206Pb**	**207Pb**
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	02:37:44	4.5746	97.4110	95.4650	86.61%	0.1676	0.1451	4.2836	4.7310
2	02:38:20	4.8503	95.6310	95.0580	91.44%	0.1628	0.1379	4.2795	4.5119
3	02:38:57	4.7128	94.2660	94.1820	T 98.37%	0.1436	0.1326	4.4025	4.6990
4	02:39:34	4.8968	94.6420	93.3130	T 100.97%	0.1558	0.1461	4.2677	4.7792
5	02:40:10	4.9267	94.5080	93.2340	T 102.59%	0.1377	0.1444	4.3304	4.7374
x		4.7922	95.2920	94.2510	T 96.00%	0.1535	0.1412	4.3127	4.6917
%RSD		3.0604	1.3577	1.0669	T 7.04	8.2393	4.0961	1.2889	2.2270
Run	**Time**	**208Pb**	**209Bi**	**220Bkg**					
		ug/L	ug/L	ug/L					
1	02:37:44	4.5218	79.13%	0.0000					
2	02:38:20	4.3941	83.88%	0.0000					
3	02:38:57	4.5062	87.42%	0.0000					
4	02:39:34	4.4814	89.69%	0.0000					
5	02:40:10	4.4818	91.70%	0.0000					
x		4.4771	86.36%	0.0000					
%RSD		1.1044	5.77	0.0000					

zzzzzz 07/08/2008 02:43:04

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	02:43:40	104.49%	-0.0014	-0.1518	-0.0148	-0.2005	-0.3111	-2.2689	100.75%
2	02:44:17	104.35%	-0.0067	-0.0310	0.3497	0.2316	-0.3167	-1.0056	100.86%
3	02:44:54	103.87%	-0.0040	7.7644	8.5111	7.9680	-0.1702	35.9450	102.18%
4	02:45:31	104.37%	-0.0134	8.3925	9.3406	7.7842	-0.1029	31.7700	102.35%
5	02:46:07	105.19%	-0.0002	6.9535	8.3329	7.6518	-0.1435	24.4440	102.85%
x		104.45%	-0.0052	4.5855	5.3039	4.6870	-0.2089	17.7770	101.80%
%RSD		0.45	101.9200	93.7730	88.7290	91.0740	47.3240	102.3800	0.92

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	02:43:40	0.0616	0.0246	0.0178	ID -0.1407	-0.0230	8.1128	-7.4216	-0.0010
2	02:44:17	0.0142	-0.0586	0.0275	ID 0.0200	-0.0159	8.2344	-10.1640	-0.0034
3	02:44:54	0.0260	0.0349	0.0396	ID -0.0303	0.0542	8.1529	-6.1756	0.0051
4	02:45:31	0.0178	-0.0333	0.0086	ID -0.0812	0.0426	5.9468	-6.8003	0.0056
5	02:46:07	0.0238	0.0498	-0.0126	ID -0.0158	0.0362	4.8977	-5.3780	0.0044
x		0.0287	0.0035	0.0162	ID -0.0496	0.0188	7.0689	-7.1880	0.0021
%RSD		66.1700	1345.7000	122.1200	ID 126.1700	189.1300	21.9120	25.4300	191.1700

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	02:43:40	-0.0031	-0.0345	-0.0055	-0.1318	0.0031	0.9517	0.2776	-0.6186
2	02:44:17	-0.0241	-0.0489	0.0091	-0.1422	-0.0812	0.8723	-0.2477	1.0112
3	02:44:54	-0.0094	-0.0291	0.0044	0.1814	-0.0304	0.9638	-0.0293	0.5981
4	02:45:31	-0.0147	-0.0428	0.0126	0.1596	-0.0264	1.1158	-0.0157	-0.0583
5	02:46:07	-0.0273	-0.0479	-0.0043	-0.0133	-0.0065	0.9502	0.0249	0.1849
x		-0.0157	-0.0406	0.0033	0.0107	-0.0283	0.9708	0.0020	0.2235
%RSD		64.1590	21.1140	245.8400	1440.4000	115.4100	9.1501	9539.8000	278.6200

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	02:43:40	98.77%	-0.0169	-0.5646	-0.0208	-0.0011	0.0002	98.34%	0.0000
2	02:44:17	101.28%	-0.0187	-0.3323	-0.0213	-0.0012	-0.0002	100.88%	0.0000
3	02:44:54	101.49%	-0.0032	-0.4459	-0.0073	0.0008	-0.0001	102.66%	0.0000
4	02:45:31	102.52%	0.0007	0.8327	-0.0005	-0.0012	0.0079	103.41%	0.0000
5	02:46:07	101.89%	0.0027	0.3069	-0.0012	0.0027	0.0014	103.39%	0.0000
x		101.19%	-0.0071	-0.0406	-0.0102	-0.0000	0.0018	101.74%	0.0000
%RSD		1.42	141.9600	1459.8000	100.0700	12272.0000	188.1800	2.12	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	02:43:40	0.0064	0.0097	-0.0026	T 100.22%	-0.0353	-0.0337	-0.0005	0.0008
2	02:44:17	0.0138	-0.0081	0.0006	T 103.65%	-0.0327	-0.0310	0.0053	0.0000
3	02:44:54	0.0091	0.0259	0.0261	T 105.09%	-0.0236	-0.0219	0.0103	0.0217
4	02:45:31	0.0089	0.0088	0.0450	T 105.81%	-0.0251	-0.0235	0.0080	0.0119
5	02:46:07	0.0089	0.0088	0.0291	T 105.99%	-0.0315	-0.0252	0.0121	0.0090
x		0.0094	0.0090	0.0196	T 104.15%	-0.0297	-0.0271	0.0071	0.0087
%RSD		28.6190	133.1900	102.9900	T 2.29	17.0260	18.6270	69.7140	102.6300

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	02:43:40	0.0034	98.65%	0.0000
2	02:44:17	0.0070	102.67%	0.5657
3	02:44:54	0.0117	104.41%	0.0000
4	02:45:31	0.0132	104.95%	0.0000
5	02:46:07	0.0085	105.55%	0.0000
x		0.0088	103.25%	0.1132
%RSD		44.0110	2.70	223.6100

CRIF 07/08/2008 02:49:01

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	02:49:38	99.32%	0.9971	2.3186	2.0913	1.9131	1.0920	12.7070	95.05%
2	02:50:14	100.85%	0.9961	2.8475	3.2601	2.5867	1.1147	16.3590	97.52%
3	02:50:51	100.17%	1.0053	3.9060	3.8983	4.2658	1.1491	18.8730	99.14%
4	02:51:28	102.75%	1.0227	8.4149	9.3896	6.8753	1.2689	32.9890	100.18%
5	02:52:04	102.54%	1.0203	8.6121	8.2745	9.2852	1.3012	30.6240	100.61%
x		101.13%	1.0083	5.2198	5.3827	4.9852	1.1852	22.3100	98.50%
%RSD		1.47	1.2490	58.6490	60.1700	61.6410	7.9400	40.2530	2.30

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	02:49:38	0.0503	4.7153	1.9157	ID -0.0385	0.9700	8.7356	-2.6942	0.9054
2	02:50:14	0.0602	4.6781	1.8541	ID -0.0493	0.9448	5.3978	0.3388	0.9552
3	02:50:51	0.0438	4.6400	1.7694	ID -0.0515	0.9617	4.2810	-2.1876	0.8728
4	02:51:28	-0.0052	4.6575	1.8634	ID 0.0504	0.9456	3.3798	-5.6266	0.8973
5	02:52:04	-0.0043	4.5032	1.7486	ID -0.0434	0.9529	3.0122	-8.4108	0.9106
x		0.0290	4.6388	1.8303	ID -0.0265	0.9550	4.9613	-3.7161	0.9083
%RSD		108.0700	1.7421	3.7991	ID 163.5000	1.1325	46.4020	90.7720	3.2993

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	02:49:38	1.0012	1.8824	1.9554	2.2094	0.8738	6.6379	5.1967	-0.6165
2	02:50:14	0.9746	1.9464	1.9262	2.1610	0.9701	6.5253	5.0099	-0.3015
3	02:50:51	0.9729	1.8846	2.0933	2.2244	0.7198	6.1243	4.2786	0.5121
4	02:51:28	0.9436	1.8981	1.9569	2.6092	0.9121	5.7583	4.7566	0.2883
5	02:52:04	0.9225	1.8717	1.9426	2.4221	0.9799	5.5578	4.5825	1.4580
x		0.9630	1.8967	1.9749	2.3252	0.8911	6.1207	4.7648	0.2681
%RSD		3.1637	1.5481	3.4103	8.0620	11.8010	7.6610	7.5403	299.7300

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	02:49:38	93.56%	0.9439	-0.3943	0.8844	0.8931	0.9196	93.36%	0.0000
2	02:50:14	96.57%	0.9212	-0.3476	0.9634	0.9934	0.9162	96.85%	0.0000
3	02:50:51	98.26%	0.9202	-0.1016	0.9411	0.9407	0.9673	99.03%	0.0000
4	02:51:28	99.41%	0.9766	0.0290	0.9143	1.0284	0.9933	100.09%	0.0000
5	02:52:04	100.23%	0.9957	-0.0099	0.9682	0.9460	0.9880	100.16%	0.0000
x		97.61%	0.9515	-0.1648	0.9343	0.9603	0.9569	97.90%	0.0000
%RSD		2.71	3.5383	118.1100	3.7598	5.4235	3.8569	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	02:49:38	1.7961	9.8341	9.5814	T 93.82%	0.8921	0.8829	0.9402	1.0141
2	02:50:14	1.7369	9.1021	9.4466	T 97.67%	0.9444	0.8588	0.9724	1.0365
3	02:50:51	1.8874	9.6402	9.3036	T 100.27%	0.9455	0.8622	0.9611	0.9157
4	02:51:28	1.9149	9.7244	9.5248	T 102.17%	0.9443	0.8906	0.9979	1.0119
5	02:52:04	1.9558	9.6286	9.2282	T 102.97%	0.8827	0.8501	1.0352	0.9637
x		1.8582	9.5859	9.4169	T 99.38%	0.9218	0.8689	0.9814	0.9884
%RSD		4.8256	2.9489	1.5755	T 3.74	3.4281	1.9655	3.7270	4.9097

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	02:49:38	0.9510	91.60%	0.0000
2	02:50:14	0.9624	96.22%	0.6036
3	02:50:51	0.9398	99.45%	0.0000
4	02:51:28	0.9599	101.33%	0.0000
5	02:52:04	0.9752	102.06%	0.0000
x		0.9577	98.13%	0.1207
%RSD		1.3799	4.37	223.6100

CCV3 07/08/2008 02:54:57

User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	02:55:34	96.62%	253.6900	1014.5000	999.0100	999.0600	247.9500	980.0100	92.60%
2	02:56:10	98.69%	250.9400	1010.9000	1002.2000	1002.3000	246.9300	977.7600	93.97%
3	02:56:47	98.56%	251.1300	1019.9000	1034.9000	1038.7000	247.3800	1013.7000	94.30%
4	02:57:24	98.25%	249.4200	1027.5000	1037.6000	1038.5000	247.7500	985.0500	93.94%
5	02:58:00	99.12%	249.8800	1022.2000	1031.5000	1032.7000	246.0000	988.1500	94.83%
x		98.25%	251.0100	1019.0000	1021.0000	1022.3000	247.2000	988.9400	93.93%
%RSD		0.98	0.6609	0.6367	1.8420	1.9449	0.3141	1.4605	0.88
Run	**Time**	**47Ti**	**51V**	**52Cr**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	02:55:34	0.0911	243.5600	240.3600	ID 44.6120	243.3800	1026.5000	981.1300	245.5900
2	02:56:10	0.0405	241.3100	238.8500	ID 44.6690	241.2200	1018.6000	993.1600	240.4600
3	02:56:47	0.0227	240.3300	238.8000	ID 44.9900	241.7600	1021.6000	1004.8000	242.3200
4	02:57:24	0.0029	242.3800	238.4300	ID 45.5650	242.4300	1024.9000	980.4600	241.0400
5	02:58:00	0.0048	243.0400	239.8600	ID 45.1390	241.6900	1027.3000	994.3500	241.4200
x		0.0324	242.1200	239.2600	ID 44.9950	242.1000	1023.8000	990.7800	242.1700
%RSD		111.6200	0.5403	0.3396	ID 0.8598	0.3455	0.3528	1.0274	0.8370
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	02:55:34	246.2700	242.0700	244.4500	248.1800	245.1600	252.1700	249.4400	0.2973
2	02:56:10	241.8200	239.8200	239.9400	244.0000	246.1200	247.9300	249.8000	-0.2355
3	02:56:47	243.0900	239.8500	242.8000	244.9100	245.8200	247.3500	246.5800	0.9678
4	02:57:24	243.6700	239.9000	242.3700	247.7000	243.8700	247.1000	246.1600	1.2409
5	02:58:00	241.0700	237.3200	240.1300	246.8000	243.8600	245.6000	244.4700	-0.9094
x		243.1900	239.7900	241.9400	246.3200	244.9600	248.0300	247.2900	0.2722
%RSD		0.8260	0.7016	0.7863	0.7311	0.4339	0.9953	0.9186	322.1800
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	02:55:34	90.91%	241.3100	-2.4622	241.8700	245.6100	244.2600	91.08%	0.0000
2	02:56:10	93.33%	239.9700	1.2812	240.4800	243.8600	242.6400	93.67%	0.0000
3	02:56:47	93.84%	241.7500	-2.3646	242.2800	246.2700	244.0800	94.56%	0.0000
4	02:57:24	94.58%	240.8400	-1.9944	240.5600	244.1200	243.0000	95.68%	0.0000
5	02:58:00	95.33%	240.0000	3.4811	239.7100	244.5000	243.8100	96.38%	0.0000
x		93.60%	240.7700	-0.4118	240.9800	244.8700	243.5600	94.27%	0.0000
%RSD		1.80	0.3265	648.7400	0.4415	0.4196	0.2899	2.19	0.0000
Run	**Time**	**121Sb**	**135Ba**	**137Ba**	**159Tb**	**203Tl**	**205Tl**	**206Pb**	**207Pb**
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	02:55:34	239.2600	239.6700	238.4800	T 92.67%	241.6400	235.6200	241.4900	242.2600
2	02:56:10	241.4900	239.8200	240.2000	T 95.63%	239.8600	235.1100	240.9600	241.1900
3	02:56:47	243.7500	244.5900	243.6800	93.45%	243.6700	237.8400	243.3800	243.4000
4	02:57:24	244.4000	243.3200	243.9100	94.72%	241.7500	235.9200	241.7800	242.1000
5	02:58:00	241.9700	239.2400	240.3100	T 99.05%	240.2400	236.3600	241.1000	241.9800
x		242.1700	241.3300	241.3100	T 95.11%	241.4300	236.1700	241.7400	242.1900
%RSD		0.8376	1.0150	0.9852	T 2.61	0.6219	0.4392	0.4010	0.3277
Run	**Time**	**208Pb**	**209Bi**	**220Bkg**					
		ug/L	ug/L	ug/L					
1	02:55:34	239.9600	90.80%	0.6397					
2	02:56:10	240.0000	94.75%	0.0000					
3	02:56:47	241.3400	96.02%	0.0000					
4	02:57:24	239.4200	98.04%	0.0000					
5	02:58:00	240.1600	99.27%	0.5851					
x		240.1800	95.77%	0.2450					
%RSD		0.2947	3.43	137.1600					

CCB3 07/08/2008 03:00:52

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	03:01:28	96.39%	0.0134	0.4544	0.6505	0.4715	-0.0035	4.8500	90.82%
2	03:02:05	96.81%	0.0160	1.0540	0.6800	0.7053	0.0190	6.0521	93.13%
3	03:02:42	98.08%	0.0710	2.6054	2.3114	2.4830	0.1105	10.6910	94.49%
4	03:03:18	99.12%	0.0292	1.8915	2.3659	1.8168	0.0814	6.5518	96.13%
5	03:03:55	98.26%	0.0438	1.9059	2.0929	1.2495	0.0549	6.6006	95.99%
x		97.73%	0.0347	1.5822	1.6201	1.3452	0.0525	6.9490	94.11%
%RSD		1.14	68.1430	52.8640	54.1770	61.0630	87.6540	31.7650	2.35

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	03:01:28	0.0561	0.0255	0.0325	ID -0.0748	0.0092	0.6662	0.7964	0.0105
2	03:02:05	0.0418	0.0532	0.0040	ID -0.1627	0.0129	-0.7697	0.4993	0.0206
3	03:02:42	0.0239	0.0795	0.0634	ID -0.0898	0.0667	-0.1418	-1.9960	0.0682
4	03:03:18	0.0245	0.0260	0.0261	ID -0.1348	0.0528	-1.2417	-2.1879	0.0425
5	03:03:55	0.0161	0.0308	0.0168	ID -0.0119	0.0454	-1.5533	-6.4490	0.0495
x		0.0325	0.0430	0.0286	ID -0.0948	0.0374	-0.6081	-1.8675	0.0383
%RSD		49.8720	54.2270	77.8810	ID 61.3140	67.5870	146.2200	155.6800	60.2180

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	03:01:28	-0.0045	0.0508	0.1164	0.0797	0.0878	1.3430	0.4477	-1.2374
2	03:02:05	0.0355	0.0541	0.1075	0.1846	0.1166	0.8407	0.3446	-0.3793
3	03:02:42	0.0391	0.0673	0.1001	0.2602	0.1348	1.4309	0.2488	-0.7005
4	03:03:18	0.0160	0.0474	0.1141	0.2281	0.0795	0.6614	0.1881	-0.3706
5	03:03:55	0.0237	0.0509	0.0839	0.2246	0.0617	0.7396	0.0424	0.0637
x		0.0220	0.0541	0.1044	0.1955	0.0961	1.0031	0.2543	-0.5248
%RSD		79.2470	14.3540	12.5510	35.8330	30.5410	35.6340	60.5580	91.8700

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	03:01:28	89.63%	-0.0004	-0.5238	-0.0041	0.0168	0.0159	88.61%	0.0000
2	03:02:05	92.22%	0.0011	0.1237	-0.0045	0.0352	0.0261	92.53%	0.0000
3	03:02:42	94.42%	0.0114	0.2039	0.0155	0.0506	0.0704	95.29%	0.0000
4	03:03:18	95.23%	-0.0032	0.0784	0.0063	0.0418	0.0617	96.45%	0.0000
5	03:03:55	96.56%	0.0034	0.0913	0.0078	0.0537	0.0410	96.81%	0.0000
x		93.61%	0.0025	-0.0053	0.0042	0.0396	0.0430	93.94%	0.0000
%RSD		2.91	223.9400	5573.5000	203.5300	37.1460	53.6050	3.64	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	03:01:28	0.3478	0.0322	0.0093	86.31%	-0.0135	-0.0017	0.0395	0.0194
2	03:02:05	0.3822	0.0171	0.0476	T 94.36%	0.0015	0.0054	0.0301	0.0344
3	03:02:42	0.4353	0.1101	0.0930	93.39%	0.0590	0.0606	0.0742	0.0801
4	03:03:18	0.3672	0.0347	0.0913	95.51%	0.0477	0.0360	0.0578	0.0494
5	03:03:55	0.3408	0.0697	0.0551	T 99.71%	0.0161	0.0346	0.0540	0.0510
x		0.3746	0.0528	0.0593	T 93.86%	0.0222	0.0270	0.0511	0.0468
%RSD		10.0360	70.8850	58.5680	T 5.18	138.0900	93.6690	33.3950	48.1270

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	03:01:28	0.0210	88.48%	0.0000
2	03:02:05	0.0328	93.25%	0.0000
3	03:02:42	0.0677	96.83%	0.0000
4	03:03:18	0.0575	98.08%	0.0000
5	03:03:55	0.0564	99.80%	0.0000
x		0.0471	95.29%	0.0000
%RSD		41.2160	4.72	0.0000

MH25B3 07/08/2008 03:06:47

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	03:07:24	96.07%	0.0091	TM 25904.0000	TM 25665.0000	TM 25786.0000	64.3250	TM 116940.0000	89.71%
2	03:08:01	98.48%	0.0041	TM 26228.0000	TM 26177.0000	TM 26265.0000	63.3880	TM 118390.0000	92.49%
3	03:08:38	98.79%	-0.0016	TM 26752.0000	TM 26741.0000	TM 26735.0000	64.6920	TM 119870.0000	93.43%
4	03:09:14	99.64%	0.0094	TM 26788.0000	TM 26819.0000	TM 26803.0000	63.2850	TM 119220.0000	94.97%
5	03:09:51	100.38%	0.0147	TM 27061.0000	TM 27003.0000	TM 27213.0000	63.5900	TM 120950.0000	95.38%
x		98.67%	0.0072	TM 26547.0000	TM 26481.0000	TM 26560.0000	63.8560	TM 119070.0000	93.20%
%RSD		1.66	86.3920	TM 1.7671	TM 2.0787	TM 2.0645	0.9701	TM 1.2731	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	03:07:24	0.3970	0.5218	0.5790	ID 12.9750	215.8100	336.4000	1630.3000	0.7707
2	03:08:01	0.4169	0.5011	0.5356	ID 13.2060	217.1400	337.3900	1542.8000	0.7331
3	03:08:38	0.3707	0.6837	0.4751	ID 13.1680	217.2800	338.6600	1354.5000	0.7187
4	03:09:14	0.3945	0.7248	0.5151	ID 12.9350	215.3300	336.2700	1328.7000	0.6674
5	03:09:51	0.3452	0.7103	0.5004	ID 13.3460	215.9400	338.4900	1244.2000	0.6886
x		0.3849	0.6283	0.5210	ID 13.1260	216.3000	337.4400	1420.1000	0.7157
%RSD		7.1627	17.1800	7.5208	ID 1.2979	0.3997	0.3328	11.2890	5.5901
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	03:07:24	4.3711	6.4582	6.6381	801.7900	5.4193	1.4394	1.2291	0.7237
2	03:08:01	4.1854	6.4044	6.4928	796.7500	5.5335	1.5344	1.4121	0.0530
3	03:08:38	3.9653	6.2622	6.7827	799.3600	5.7487	1.2442	1.4704	0.0286
4	03:09:14	3.7682	6.3079	6.6402	795.1100	5.6677	1.0340	1.7465	-0.9325
5	03:09:51	3.8161	6.2824	6.5053	796.9600	5.3895	1.3310	1.3922	-0.4252
x		4.0212	6.3430	6.6118	797.9900	5.5517	1.3166	1.4501	-0.1105
%RSD		6.3236	1.3299	1.7927	0.3270	2.7966	14.6030	12.9870	557.3600
Run	**Time**	**89Y**	**107Ag**	**108Mo O**	**109Ag**	**111Cd**	**114Cd**	**115In**	**118Sn**
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	03:07:24	87.41%	0.2475	-0.4546	0.2539	3.5633	3.6069	85.69%	0.0000
2	03:08:01	90.73%	0.2413	0.6438	0.2146	3.6795	3.7009	89.56%	0.0000
3	03:08:38	92.91%	0.2400	1.1808	0.2706	3.6603	3.6345	91.95%	0.0000
4	03:09:14	93.93%	0.2300	0.6449	0.2360	3.6447	3.6775	93.38%	0.0000
5	03:09:51	95.17%	0.2374	1.1022	0.2393	3.6284	3.7393	94.79%	0.0000
x		92.03%	0.2393	0.6234	0.2429	3.6352	3.6718	91.08%	0.0000
%RSD		3.32	2.6507	104.6600	8.5999	1.2221	1.4301	3.93	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	03:07:24	7.4489	58.2880	56.5770	T 90.58%	0.1647	0.1554	71.2610	78.3040
2	03:08:01	7.2771	57.7580	57.7670	T 95.60%	0.1484	0.1439	71.3540	77.9170
3	03:08:38	7.4915	58.5100	58.2610	95.19%	0.1464	0.1542	71.1430	77.9970
4	03:09:14	7.5188	57.7750	57.3360	97.36%	0.1694	0.1754	71.5880	78.1150
5	03:09:51	7.4344	57.3580	56.1540	T 102.45%	0.1871	0.1879	71.5040	77.7320
x		7.4341	57.9380	57.2190	T 96.24%	0.1632	0.1634	71.3700	78.0130
%RSD		1.2646	0.7937	1.4998	T 4.45	10.2100	10.9210	0.2518	0.2746
Run	**Time**	**208Pb**	**209Bi**	**220Rn**					
		ug/L	ug/L	ug/L					
1	03:07:24	75.5610	82.58%	0.0000					
2	03:08:01	75.0860	88.30%	0.0000					
3	03:08:38	74.8760	91.16%	0.0000					
4	03:09:14	75.3140	93.24%	0.0000					
5	03:09:51	75.0890	95.12%	0.6106					
x		75.1850	90.08%	0.1221					
%RSD		0.3469	5.44	223.6100					

MH25B4 07/08/2008 03:12:43

User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	03:13:20	96.27%	-0.0098	TM 53381.0000	TM 53037.0000	TM 53107.0000	25.7370	TM 248450.0000	90.00%
2	03:13:56	96.93%	0.0016	TM 53869.0000	TM 53944.0000	TM 54143.0000	25.5860	TM 251210.0000	91.57%
3	03:14:33	97.36%	0.0072	TM 54814.0000	TM 54287.0000	TM 54944.0000	25.7410	TM 252380.0000	92.96%
4	03:15:10	97.06%	0.0116	TM 55349.0000	TM 55203.0000	TM 55385.0000	25.3410	TM 251270.0000	93.35%
5	03:15:46	97.47%	0.0129	TM 55398.0000	TM 55096.0000	TM 55253.0000	25.4290	TM 256740.0000	93.24%
x		97.02%	0.0047	TM 54562.0000	TM 54314.0000	TM 54566.0000	25.5670	TM 252010.0000	92.22%
%RSD		0.49	195.4900	TM 1.6542	TM 1.6387	TM 1.7366	0.7039	TM 1.1969	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	03:13:20	0.4108	0.7609	0.4032	ID 16.0500	T 1823.2000	427.1800	3049.5000	1.1430
2	03:13:56	0.4253	1.1308	0.4310	ID 16.1560	T 1815.4000	425.2600	2830.7000	1.1192
3	03:14:33	0.4000	0.7591	0.3833	ID 16.2540	T 1815.5000	421.9700	2747.3000	1.1586
4	03:15:10	0.3932	0.6493	0.3900	ID 16.2560	T 1817.0000	425.1200	2530.8000	1.0832
5	03:15:46	0.3284	1.0140	0.3847	ID 16.2140	T 1827.9000	424.8700	2515.7000	1.1070
x		0.3915	0.8628	0.3984	ID 16.1860	T 1819.8000	424.8800	2734.8000	1.1222
%RSD		9.5359	23.2790	4.9766	ID 0.5331	T 0.3039	0.4402	8.1356	2.6426

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	03:13:20	7.0077	1.8815	2.8889	185.8900	5.0086	0.3430	0.8129	-0.6170
2	03:13:56	6.9039	1.9255	2.8602	183.5200	4.6879	0.0498	0.8793	0.9465
3	03:14:33	6.5650	1.8975	2.8084	184.6200	4.9303	-0.0120	0.7050	0.4692
4	03:15:10	6.4679	1.8254	2.6165	182.9300	4.6272	0.0463	0.6322	-0.0462
5	03:15:46	6.5328	1.8731	2.7441	181.3300	4.8579	0.1846	0.5888	0.0903
x		6.6954	1.8806	2.7836	183.6600	4.8224	0.1224	0.7237	0.1686
%RSD		3.6293	1.9537	3.8960	0.9382	3.3399	116.7800	16.7930	346.5700

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	03:13:20	86.35%	0.0220	-0.5670	0.0279	0.1942	0.1806	85.47%	0.0000
2	03:13:56	89.29%	0.0316	0.3573	0.0287	0.2043	0.1991	87.88%	0.0000
3	03:14:33	89.76%	0.0333	1.1450	0.0238	0.2074	0.2101	89.50%	0.0000
4	03:15:10	91.57%	0.0508	0.6932	0.0534	0.2542	0.2236	90.73%	0.0000
5	03:15:46	91.29%	0.0365	0.4216	0.0445	0.2600	0.2204	91.11%	0.0000
x		89.65%	0.0348	0.4100	0.0357	0.2240	0.2067	88.94%	0.0000
%RSD		2.33	29.9220	153.1700	35.5320	13.6770	8.4633	2.60	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	03:13:20	3.3404	64.7640	63.9530	88.01%	0.2005	0.1977	10.0120	10.9210
2	03:13:56	3.3826	64.4600	63.4420	91.01%	0.2070	0.1897	10.2150	11.1500
3	03:14:33	3.4652	63.8610	63.5810	93.16%	0.2059	0.1900	10.1250	11.0510
4	03:15:10	3.3894	63.9940	62.3350	94.34%	0.2062	0.2183	10.4020	10.9590
5	03:15:46	3.3493	64.4020	63.7430	95.40%	0.2122	0.1984	10.1470	10.9610
x		3.3854	64.2960	63.4110	92.38%	0.2064	0.1988	10.1800	11.0080
%RSD		1.4570	0.5704	0.9952	3.18	2.0223	5.8427	1.4133	0.8405

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	03:13:20	10.6330	82.84%	0.0000
2	03:13:56	10.6970	86.09%	0.6747
3	03:14:33	10.6120	88.00%	0.0000
4	03:15:10	10.6840	89.27%	0.0000
5	03:15:46	10.5670	91.02%	0.0000
x		10.6390	87.45%	0.1349
%RSD		0.5005	3.60	223.6100

MH25B5 07/08/2008 03:18:38

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	03:19:15	97.40%	0.0088	TM 52287.0000	TM 52189.0000	TM 52094.0000	17.5270	TM 245570.0000	89.49%
2	03:19:51	96.29%	-0.0040	TM 53768.0000	TM 53822.0000	TM 53948.0000	17.0920	TM 247450.0000	91.21%
3	03:20:28	97.95%	0.0014	TM 54116.0000	TM 54393.0000	TM 54202.0000	17.4400	TM 249980.0000	92.17%
4	03:21:04	98.48%	0.0013	TM 54077.0000	TM 54210.0000	TM 54078.0000	17.0800	TM 249500.0000	93.97%
5	03:21:41	98.31%	-0.0044	TM 54560.0000	TM 54477.0000	TM 54494.0000	17.2980	TM 250160.0000	93.66%
x		97.69%	0.0006	TM 53762.0000	TM 53818.0000	TM 53763.0000	17.2870	TM 248530.0000	92.10%
%RSD		0.90	881.8000	TM 1.6206	TM 1.7557	TM 1.7756	1.1633	TM 0.7948	2.00

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	03:19:15	0.3682	0.8688	0.4360	ID 15.5780	T 1797.0000	409.6300	3117.9000	1.2305
2	03:19:51	0.3575	0.7737	0.4277	ID 15.6730	T 1789.3000	409.6800	2902.8000	1.1170
3	03:20:28	0.3777	0.9907	0.3527	ID 15.4440	T 1809.7000	411.7600	2693.1000	1.0971
4	03:21:04	0.3223	0.7895	0.4619	ID 15.4540	T 1782.2000	400.3800	2626.0000	1.0682
5	03:21:41	0.3410	0.6776	0.3529	ID 15.3070	T 1796.6000	406.7200	2665.6000	1.0600
x		0.3534	0.8201	0.4062	ID 15.4910	T 1795.0000	407.6300	2801.1000	1.1146
%RSD		6.2391	14.2840	12.4080	ID 0.9007	T 0.5698	1.0877	7.3901	6.1644

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	03:19:15	7.3718	1.3517	2.4404	177.9700	4.5733	0.0688	0.4162	0.6456
2	03:19:51	7.1032	1.3980	2.2221	178.7200	4.5696	-0.1964	0.9160	-0.1197
3	03:20:28	6.8563	1.3845	2.3440	178.8000	4.6194	-0.1768	0.4615	0.2240
4	03:21:04	6.8645	1.3896	2.1249	175.2100	4.4664	-0.2326	0.6802	0.4111
5	03:21:41	6.5733	1.4329	2.1545	176.8600	4.4707	-0.1604	0.4088	0.2872
x		6.9538	1.3913	2.2572	177.5100	4.5399	-0.1395	0.5765	0.2897
%RSD		4.3095	2.0920	5.8762	0.8481	1.4985	85.6650	38.1070	96.6140

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	03:19:15	86.28%	0.0186	0.1964	0.0056	0.1863	0.2101	83.66%	0.0000
2	03:19:51	88.73%	0.0097	0.6180	0.0080	0.2164	0.1672	87.50%	0.0000
3	03:20:28	89.65%	0.0012	0.8868	0.0011	0.2390	0.2209	89.24%	0.0000
4	03:21:04	91.00%	0.0092	1.1148	0.0111	0.1760	0.2028	89.70%	0.0000
5	03:21:41	91.00%	0.0198	0.7598	0.0105	0.1774	0.2057	90.20%	0.0000
x		89.33%	0.0117	0.7152	0.0073	0.1990	0.2014	88.06%	0.0000
%RSD		2.19	65.1570	47.9140	56.2840	13.8910	10.0880	3.02	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	03:19:15	3.2375	64.0290	63.4320	85.60%	0.1913	0.1875	8.0394	8.8649
2	03:19:51	3.1549	62.0550	62.1860	90.09%	0.1961	0.1972	7.9284	8.8475
3	03:20:28	3.2179	63.4950	62.2380	92.31%	0.2023	0.1851	8.0911	8.9107
4	03:21:04	3.2240	62.3250	63.2170	92.88%	0.1890	0.1790	7.9172	8.8642
5	03:21:41	3.1067	63.3060	63.1940	93.72%	0.2077	0.1878	7.9377	8.8481
x		3.1882	63.0420	62.8540	90.92%	0.1973	0.1873	7.9828	8.8671
%RSD		1.7427	1.3119	0.9439	3.59	3.9168	3.4850	0.9751	0.2909

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	03:19:15	8.4212	80.09%	0.0000
2	03:19:51	8.3826	84.55%	0.0000
3	03:20:28	8.5070	86.72%	0.0000
4	03:21:04	8.3621	88.55%	0.0000
5	03:21:41	8.4171	88.53%	0.0000
x		8.4180	85.69%	0.0000
%RSD		0.6590	4.13	0.0000

MH25B6 07/08/2008 03:24:34

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	03:25:10	97.56%	0.0202	TM 25144.0000	TM 25070.0000	TM 25195.0000	114.2700	TM 113760.0000	90.44%
2	03:25:47	100.09%	0.0024	TM 25353.0000	TM 25392.0000	TM 25334.0000	114.3600	TM 114570.0000	92.25%
3	03:26:24	100.11%	0.0065	TM 25438.0000	TM 25561.0000	TM 25770.0000	115.2800	TM 115600.0000	93.33%
4	03:27:00	99.79%	-0.0046	TM 25632.0000	TM 25682.0000	TM 25871.0000	114.6800	TM 115040.0000	94.62%
5	03:27:37	99.86%	-0.0046	TM 25933.0000	TM 25811.0000	TM 25884.0000	114.7400	TM 115040.0000	95.13%
x		99.48%	0.0040	TM 25500.0000	TM 25503.0000	TM 25611.0000	114.6600	TM 114800.0000	93.16%
%RSD		1.09	259.1800	TM 1.1719	TM 1.1264	TM 1.2616	0.3472	TM 0.5985	2.03
Run	**Time**	**47Ti**	**51V**	**52Cr**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	03:25:10	0.4964	0.8915	0.6679	ID 13.6350	171.3100	354.8200	1624.4000	0.7246
2	03:25:47	0.5406	0.8158	0.6482	ID 13.6750	174.0000	354.7200	1551.7000	0.7103
3	03:26:24	0.4834	0.6631	0.6140	ID 13.7150	172.8000	354.7700	1478.8000	0.7526
4	03:27:00	0.5458	0.6891	0.5907	ID 13.9030	171.8100	349.7000	1408.1000	0.7133
5	03:27:37	0.4851	0.7476	0.5916	ID 13.8420	171.3300	348.8700	1336.9000	0.6644
x		0.5103	0.7614	0.6225	ID 13.7540	172.2500	352.5800	1480.0000	0.7130
%RSD		5.9838	12.2780	5.5404	ID 0.8279	0.6680	0.8568	7.6760	4.4775
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	03:25:10	4.5080	5.6478	5.9990	786.8600	4.9660	1.1597	1.2035	0.8816
2	03:25:47	4.2536	5.6775	6.1107	788.4900	5.3266	1.2996	1.3359	0.7361
3	03:26:24	4.0283	5.7666	6.0718	786.8900	5.6493	0.6354	1.6857	-0.0433
4	03:27:00	4.0830	5.5580	5.8241	781.7600	5.1246	0.9175	1.1321	0.9708
5	03:27:37	3.9416	5.5543	5.6019	780.7800	5.0596	1.0875	1.3569	1.1688
x		4.1629	5.6408	5.9215	784.9600	5.2252	1.0199	1.3428	0.7428
%RSD		5.3815	1.5748	3.5428	0.4390	5.1959	25.0300	15.8690	62.8090
Run	**Time**	**89Y**	**107Ag**	**108Mo O**	**109Ag**	**111Cd**	**114Cd**	**115In**	**118Sn**
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	03:25:10	88.11%	0.2882	-1.0000	0.2723	3.4613	3.6788	85.73%	0.0000
2	03:25:47	89.59%	0.2989	0.1783	0.2797	3.6468	3.6963	88.68%	0.0000
3	03:26:24	91.50%	0.2944	0.1153	0.2744	3.5562	3.6204	90.49%	0.0000
4	03:27:00	92.37%	0.3151	0.2904	0.3060	3.4879	3.6041	91.70%	0.0000
5	03:27:37	93.34%	0.2839	0.2244	0.3045	3.6487	3.6749	91.96%	0.0000
x		90.98%	0.2961	-0.0383	0.2874	3.5602	3.6549	89.71%	0.0000
%RSD		2.33	4.0858	1412.0000	5.7552	2.4472	1.0992	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	03:25:10	7.4535	60.0490	57.9910	86.44%	0.1659	0.1590	56.1780	61.2020
2	03:25:47	7.7578	57.5220	57.4650	T 94.24%	0.1553	0.1525	56.1190	60.8730
3	03:26:24	7.7765	58.6290	58.2270	92.56%	0.1453	0.1514	56.3100	60.9790
4	03:27:00	7.4806	59.3380	57.8610	94.79%	0.1791	0.1613	55.9290	60.9840
5	03:27:37	7.5197	57.4280	57.1010	T 99.21%	0.1464	0.1601	55.5380	61.2930
x		7.5976	58.5930	57.7290	T 93.45%	0.1584	0.1569	56.0150	61.0660
%RSD		2.0621	1.9420	0.7736	T 4.95	8.9956	2.8995	0.5353	0.2858
Run	**Time**	**208Pb**	**209Bi**	**220Bkg**					
		ug/L	ug/L	ug/L					
1	03:25:10	58.6720	82.51%	0.0000					
2	03:25:47	58.8040	85.50%	0.0000					
3	03:26:24	58.6200	88.33%	0.0000					
4	03:27:00	58.7830	89.88%	0.0000					
5	03:27:37	58.4140	91.58%	0.0000					
x		58.6580	87.56%	0.0000					
%RSD		0.2670	4.11	0.0000					

MH25B7 07/08/2008 03:30:30

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	03:31:06	97.85%	0.0229	TM 20022.0000	TM 20061.0000	T 19975.0000	274.0100	TM 94466.0000	89.91%
2	03:31:43	99.20%	0.0195	TM 20155.0000	TM 20339.0000	TM 20164.0000	272.1700	TM 95440.0000	91.67%
3	03:32:20	100.68%	0.0175	TM 20198.0000	TM 20138.0000	TM 20324.0000	271.7400	TM 94856.0000	93.24%
4	03:32:56	99.82%	0.0290	TM 20406.0000	TM 20570.0000	TM 20653.0000	273.1900	TM 95074.0000	93.73%
5	03:33:33	99.24%	0.0194	TM 20589.0000	TM 20794.0000	TM 20713.0000	272.9600	TM 95416.0000	93.37%
x		99.36%	0.0217	TM 20274.0000	TM 20381.0000	TM 20366.0000	272.8100	TM 95050.0000	92.38%
%RSD		1.04	20.9480	TM 1.1037	TM 1.4908	TM 1.5500	0.3261	TM 0.4290	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	03:31:06	0.8568	1.0780	0.9711	ID 33.9000	215.2700	866.8800	1953.5000	1.0142
2	03:31:43	0.8878	1.2838	1.0639	ID 33.9780	213.8200	866.3700	1866.7000	1.0732
3	03:32:20	0.8960	0.7333	0.9470	ID 34.4300	214.3600	875.4100	1811.8000	1.0160
4	03:32:56	0.8588	1.2781	0.9334	ID 33.9200	214.2900	869.0100	1765.4000	0.9820
5	03:33:33	0.8258	1.3552	0.8836	ID 34.4490	215.5400	880.6900	1734.5000	0.9815
x		0.8650	1.1457	0.9598	IO 34.1350	214.6600	871.6700	1826.4000	1.0134
%RSD		3.2288	22.0440	6.9183	IO 0.8172	0.3348	0.7105	4.7543	3.6883

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	03:31:06	4.3842	17.3310	17.7960	1176.5000	10.9130	1.0776	1.3352	1.2938
2	03:31:43	4.2050	16.6780	16.9480	1172.0000	10.7760	0.8440	1.3646	0.9198
3	03:32:20	3.8715	17.0380	17.3450	1166.8000	10.5860	0.9225	1.0137	-0.0245
4	03:32:56	4.1775	16.8290	16.6240	1160.5000	10.6830	1.0797	1.3812	0.8211
5	03:33:33	3.9107	16.6310	17.6370	1169.3000	10.6910	1.1469	1.2878	0.4970
x		4.1098	16.9010	17.2700	1169.0000	10.7300	1.0141	1.2765	0.7015
%RSD		5.2386	1.7029	2.8051	0.5104	1.1435	12.4040	11.8390	70.6240

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	03:31:06	86.48%	0.4895	-0.1751	0.4540	5.4909	5.3906	85.01%	0.0000
2	03:31:43	89.85%	0.4736	0.5083	0.4522	5.4065	5.3865	88.34%	0.0000
3	03:32:20	91.00%	0.4693	0.6201	0.4801	5.5242	5.4794	89.84%	0.0000
4	03:32:56	91.69%	0.4729	-0.8523	0.4824	5.5420	5.3554	91.05%	0.0000
5	03:33:33	92.04%	0.5056	0.9369	0.4794	5.4676	5.5345	90.84%	0.0000
x		90.21%	0.4822	0.2076	0.4696	5.4862	5.4293	89.01%	0.0000
%RSD		2.49	3.1580	345.9100	3.2254	0.9677	1.3775	2.79	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	03:31:06	10.0040	58.4700	58.0420	85.16%	0.2016	0.2015	228.7700	249.2900
2	03:31:43	10.1310	57.8910	57.3900	89.42%	0.2200	0.1912	227.9200	248.4900
3	03:32:20	9.9914	56.7540	57.0640	T 95.89%	0.2013	0.1948	228.0400	248.3500
4	03:32:56	10.2870	58.2110	56.9400	93.53%	0.2036	0.1940	227.7700	250.1000
5	03:33:33	10.1110	58.0350	57.1570	93.62%	0.2058	0.2061	226.8900	248.8500
x		10.1050	57.8720	57.3190	T 91.52%	0.2065	0.1975	227.8800	249.0200
%RSD		1.1800	1.1427	0.7621	T 4.65	3.7767	3.0850	0.2949	0.2842

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	03:31:06	240.6800	81.63%	0.0000
2	03:31:43	240.2900	85.97%	0.0000
3	03:32:20	241.0400	88.68%	0.0000
4	03:32:56	241.0200	89.80%	0.0000
5	03:33:33	240.4400	90.42%	0.6424
x		240.6900	87.30%	0.1285
%RSD		0.1412	4.12	223.6100

MH25B8 07/08/2008 03:36:26

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	03:37:02	97.31%	0.0131	TM 23494.0000	TM 23533.0000	TM 23565.0000	147.4200	TM 108170.0000	90.12%
2	03:37:39	98.25%	0.0099	TM 24005.0000	TM 23818.0000	TM 24099.0000	148.7100	TM 109400.0000	92.19%
3	03:38:16	98.71%	0.0097	TM 24168.0000	TM 24373.0000	TM 24357.0000	149.4800	TM 110750.0000	92.93%
4	03:38:52	98.47%	0.0126	TM 24405.0000	TM 24402.0000	TM 24511.0000	148.4300	TM 110540.0000	94.15%
5	03:39:29	99.05%	0.0180	TM 24600.0000	TM 24328.0000	TM 24465.0000	147.4600	TM 112300.0000	94.46%
x		98.36%	0.0127	TM 24135.0000	TM 24091.0000	TM 24199.0000	148.3000	TM 110230.0000	92.77%
%RSD		0.67	26.6320	TM 1.7557	TM 1.6323	TM 1.6075	0.5880	TM 1.4024	1.88

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	03:37:02	0.6057	0.5027	0.7851	ID 20.7130	184.3100	529.9800	1708.2000	0.7700
2	03:37:39	0.6307	0.8473	0.7542	ID 21.2770	184.9500	531.6100	1600.3000	0.7853
3	03:38:16	0.6053	0.5967	0.7111	ID 20.5840	183.8400	533.7000	1544.1000	0.7350
4	03:38:52	0.5572	0.9335	0.7723	ID 21.0420	183.4900	531.2300	1422.6000	0.7324
5	03:39:29	0.5579	0.9909	0.7115	ID 21.1460	184.7500	537.9000	1455.6000	0.7729
x		0.5914	0.7742	0.7468	ID 20.9520	184.2700	532.8800	1546.2000	0.7591
%RSD		5.5000	27.6180	4.5868	ID 1.4001	0.3315	0.5827	7.4217	3.1502

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	03:37:02	4.1927	8.7161	9.2259	867.7200	7.0307	1.3051	1.2613	1.3824
2	03:37:39	4.1172	8.8133	9.1557	859.3000	7.3520	0.8051	1.4387	0.7848
3	03:38:16	3.8820	8.8408	9.1138	854.9300	7.0173	0.8522	1.6461	0.1827
4	03:38:52	3.9642	8.8642	8.8169	853.2800	6.9207	0.9742	1.1381	1.0555
5	03:39:29	3.7653	8.6880	8.8517	861.6700	6.9583	1.1235	1.2820	1.0406
x		3.9843	8.7845	9.0328	859.3800	7.0558	1.0120	1.3533	0.8892
%RSD		4.3455	0.8883	2.0589	0.6681	2.4301	20.2550	14.4450	50.4180

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	03:37:02	87.27%	0.3689	0.1478	0.3610	4.7875	4.4361	86.18%	0.0000
2	03:37:39	89.94%	0.3526	-0.1327	0.3563	4.4208	4.5690	89.90%	0.0000
3	03:38:16	92.19%	0.3642	0.1772	0.3241	4.4497	4.6350	91.51%	0.0000
4	03:38:52	93.28%	0.3590	0.5953	0.3556	4.6518	4.4541	92.66%	0.0000
5	03:39:29	93.56%	0.3656	0.3013	0.3674	4.7644	4.4530	93.43%	0.0000
x		91.25%	0.3621	0.2178	0.3529	4.6148	4.5094	90.74%	0.0000
%RSD		2.90	1.7616	121.2500	4.7542	3.7291	1.9505	3.17	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	03:37:02	8.2906	59.5190	59.5700	87.14%	0.1792	0.1727	107.3400	117.1100
2	03:37:39	8.3139	58.2760	58.3000	T 95.85%	0.1875	0.1788	106.5100	116.3700
3	03:38:16	8.3920	58.3350	57.8290	T 98.32%	0.1677	0.1677	106.5400	116.8200
4	03:38:52	8.5869	57.6070	58.0850	T 99.77%	0.1731	0.1651	106.9300	116.5600
5	03:39:29	8.6784	58.3060	58.7090	T 101.63%	0.1653	0.1748	106.7700	116.3400
x		8.4524	58.4090	58.4990	T 96.54%	0.1746	0.1718	106.8200	116.6400
%RSD		2.0334	1.1828	1.1629	T 5.87	5.1584	3.1880	0.3193	0.2779

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	03:37:02	112.3500	83.41%	0.0000
2	03:37:39	111.9700	88.15%	0.0000
3	03:38:16	112.4500	90.61%	0.0000
4	03:38:52	112.1900	92.64%	0.0000
5	03:39:29	112.3500	94.05%	0.6176
x		112.2600	89.77%	0.1235
%RSD		0.1692	4.67	223.6100

MH25C0 07/08/2008 03:42:22

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	03:42:59	98.12%	0.0071	T 18342.0000	T 18336.0000	T 18341.0000	262.7900	TM 89555.0000	90.03%
2	03:43:36	97.83%	0.0229	T 18582.0000	T 18700.0000	T 18730.0000	263.8700	TM 90169.0000	91.66%
3	03:44:12	97.78%	0.0143	T 18915.0000	T 19182.0000	T 19219.0000	263.0300	TM 91395.0000	92.00%
4	03:44:49	100.39%	0.0078	T 18692.0000	T 18905.0000	T 18769.0000	260.1500	TM 90610.0000	93.81%
5	03:45:26	98.96%	0.0209	T 18827.0000	T 19015.0000	T 19027.0000	262.3200	TM 90840.0000	93.84%
x		98.62%	0.0146	T 18672.0000	T 18828.0000	T 18817.0000	262.4300	TM 90514.0000	92.27%
%RSD		1.11	49.6280	T 1.1982	T 1.7318	T 1.7670	0.5319	TM 0.7673	1.74

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	03:42:59	0.9005	1.1943	0.9539	ID 22.7620	169.3700	579.1000	1659.3000	0.7919
2	03:43:36	0.7652	0.8642	0.9169	ID 22.6590	171.8400	580.0200	1437.0000	0.7765
3	03:44:12	0.8646	0.6823	0.8682	ID 23.2230	171.1000	584.5800	1370.1000	0.7621
4	03:44:49	0.8045	0.9803	0.8755	ID 23.0150	170.6600	575.6700	1445.3000	0.8111
5	03:45:26	0.8214	1.3721	0.9297	ID 22.8820	170.3700	573.4500	1393.7000	0.8269
x		0.8312	1.0186	0.9088	ID 22.9080	170.6700	578.5700	1461.1000	0.7937
%RSD		6.3354	26.6280	4.0040	ID 0.9633	0.5345	0.7393	7.8750	3.2743

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	03:42:59	3.9791	8.5161	8.5264	922.2200	5.9840	0.9325	1.1224	0.6069
2	03:43:36	3.7151	8.3734	8.8302	920.1500	6.0679	0.9587	0.7391	1.5127
3	03:44:12	3.7405	8.4872	8.6592	920.5800	6.3210	0.4109	1.5764	0.3610
4	03:44:49	3.7894	8.2388	8.8315	918.0300	5.8438	0.8711	1.3831	-0.1726
5	03:45:26	3.6572	8.4705	8.5541	909.9000	5.8245	0.7347	1.4215	0.3700
x		3.7762	8.4172	8.6803	918.1800	6.0083	0.7816	1.2485	0.5356
%RSD		3.2569	1.3452	1.6833	0.5296	3.3571	28.7360	26.2910	115.0700

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	03:42:59	87.05%	0.3375	-0.4441	0.3304	4.1568	4.1155	86.55%	0.0000
2	03:43:36	89.48%	0.3366	0.5484	0.3521	4.1514	4.1913	88.70%	0.0000
3	03:44:12	90.99%	0.3435	1.0619	0.3419	4.1306	4.1814	90.49%	0.0000
4	03:44:49	91.54%	0.3606	-0.0774	0.3602	4.1778	4.0838	91.45%	0.0000
5	03:45:26	92.03%	0.3460	0.9942	0.3510	4.3734	4.1118	91.73%	0.0000
x		90.22%	0.3448	0.4166	0.3471	4.1980	4.1368	89.79%	0.0000
%RSD		2.23	2.7931	158.8700	3.2832	2.3693	1.1368	2.41	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	03:42:59	7.0077	55.8590	55.2620	86.81%	0.1519	0.1502	70.5770	76.7850
2	03:43:36	6.8476	55.1600	55.1210	91.17%	0.1640	0.1492	70.5690	76.9620
3	03:44:12	7.1093	55.9490	54.5750	92.74%	0.1523	0.1578	70.5660	77.0020
4	03:44:49	7.1719	55.3560	54.3340	94.32%	0.1641	0.1546	70.6570	75.5640
5	03:45:26	7.1845	54.1180	54.4670	T 97.83%	0.1645	0.1495	69.8580	76.2550
x		7.0642	55.2890	54.7520	T 92.57%	0.1594	0.1523	70.4460	76.5140
%RSD		1.9794	1.3269	0.7552	T 4.38	4.1512	2.5019	0.4690	0.7956

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	03:42:59	73.8600	83.35%	0.0000
2	03:43:36	73.7800	87.82%	0.0000
3	03:44:12	73.9690	90.28%	0.0000
4	03:44:49	73.4300	91.34%	0.0000
5	03:45:26	73.6610	91.25%	0.0000
x		73.7400	88.81%	0.0000
%RSD		0.2799	3.79	0.0000

MH25C4 07/08/2008 03:48:19

User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	03:48:56	92.18%	0.0043	TM 47236.0000	TM 46828.0000	TM 47046.0000	11.8260	TM 374770.0000	87.24%
2	03:49:33	93.00%	0.0041	TM 48088.0000	TM 47867.0000	TM 47924.0000	12.1520	TM 381220.0000	89.47%
3	03:50:10	93.63%	0.0069	TM 48267.0000	TM 48769.0000	TM 48359.0000	12.4540	TM 383930.0000	90.39%
4	03:50:46	94.52%	0.0125	TM 48804.0000	TM 48648.0000	TM 48953.0000	12.3790	TM 385160.0000	91.70%
5	03:51:23	95.20%	0.0078	TM 48840.0000	TM 48969.0000	TM 49130.0000	12.4010	TM 383560.0000	92.94%
x		93.71%	0.0071	TM 48247.0000	TM 48216.0000	TM 48282.0000	12.2420	TM 381730.0000	90.35%
%RSD		1.28	47.8470	TM 1.3547	TM 1.8282	TM 1.7424	2.1224	TM 1.0848	2.41

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	03:48:56	0.3993	0.2743	0.5059	ID 1.9275	519.9800	80.5390	4205.6000	1.7636
2	03:49:33	0.3516	0.6167	0.4997	ID 1.7136	519.3300	76.5800	3774.6000	1.7353
3	03:50:10	0.3753	0.5240	0.4491	ID 1.8859	523.9000	74.1190	3487.3000	1.6986
4	03:50:46	0.3447	-0.1309	0.4662	ID 1.6812	519.3500	73.4150	3349.7000	1.6054
5	03:51:23	0.3592	0.0313	0.4926	ID 1.7888	524.3700	69.0570	3358.7000	1.5733
x		0.3660	0.2631	0.4827	ID 1.7994	521.3900	74.7420	3635.2000	1.6752
%RSD		5.9590	120.5200	4.9920	ID 5.9155	0.4848	5.6545	9.9626	4.9254

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	03:48:56	24.5750	3.9309	5.1120	TM 8151.7000	0.5158	3.6120	2.9662	6.4247
2	03:49:33	24.6490	3.9147	4.8966	TM 8113.0000	0.7157	3.2791	3.6580	5.7113
3	03:50:10	24.1300	3.9238	4.9632	TM 8162.8000	0.7571	3.6435	4.2334	4.5549
4	03:50:46	23.8480	3.8036	4.6809	TM 8102.3000	1.0305	3.3199	3.4528	4.1552
5	03:51:23	23.8340	3.8612	4.8301	TM 8121.0000	0.4260	3.6027	3.9401	3.9549
x		24.2070	3.8868	4.8966	TM 8130.2000	0.6890	3.4914	3.6501	4.9602
%RSD		1.6068	1.3894	3.2575	TM 0.3185	34.1260	5.0544	13.2180	21.4590

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	03:48:56	83.24%	0.6998	1.3672	0.6886	68.9650	69.2790	80.41%	0.0000
2	03:49:33	85.92%	0.6996	1.5061	0.7376	68.3500	68.3520	83.94%	0.0000
3	03:50:10	87.66%	0.7064	-0.2909	0.7180	68.7950	67.8910	85.27%	0.0000
4	03:50:46	89.20%	0.7287	1.5346	0.7355	68.5800	68.6110	87.09%	0.0000
5	03:51:23	89.96%	0.7562	0.9984	0.6991	68.3680	68.1490	88.25%	0.0000
x		87.19%	0.7181	1.0231	0.7157	68.6120	68.4560	84.99%	0.0000
%RSD		3.10	3.3932	74.7710	3.0304	0.3908	0.7750	3.59	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	03:48:56	1.1321	25.1750	24.0100	82.71%	0.2092	0.2329	6.4101	6.8002
2	03:49:33	1.1571	23.7950	23.6050	86.60%	0.2208	0.2304	6.4938	6.8933
3	03:50:10	1.0989	24.3490	24.2250	88.52%	0.2447	0.2288	6.4283	6.8291
4	03:50:46	1.1100	23.1000	23.9750	90.61%	0.2301	0.2367	6.6821	7.0504
5	03:51:23	1.1074	23.9720	23.2410	T 95.86%	0.2339	0.2306	6.4991	7.2808
x		1.1211	24.0780	23.8110	T 88.86%	0.2277	0.2319	6.5027	6.9707
%RSD		2.1035	3.1664	1.6319	T 5.49	5.8920	1.3298	1.6562	2.8483

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	03:48:56	6.6890	73.95%	0.0000
2	03:49:33	6.6693	77.41%	0.0000
3	03:50:10	6.7033	80.18%	0.0000
4	03:50:46	6.8361	82.24%	0.7063
5	03:51:23	6.8941	83.90%	0.0000
x		6.7584	79.54%	0.1413
%RSD		1.4847	4.97	223.6100

zzzzzz 07/08/2008 03:54:17

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	03:54:54	99.57%	-0.0060	1.7229	2.1165	2.1496	-0.2035	12.4360	93.14%
2	03:55:30	100.05%	-0.0103	2.1482	1.8851	2.5585	-0.1707	14.6900	95.38%
3	03:56:07	102.67%	0.0003	3.1638	3.4573	3.5228	-0.1599	19.5020	97.57%
4	03:56:44	102.57%	-0.0051	13.1340	12.5590	13.6410	-0.1299	82.5840	99.10%
5	03:57:20	102.32%	-0.0037	21.5080	22.9830	25.0650	-0.1006	147.2900	98.22%
x		101.44%	-0.0049	8.3355	8.6002	9.3873	-0.1529	55.3010	96.68%
%RSD		1.48	77.6030	104.8100	106.5900	106.1600	25.7240	106.8800	2.49

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	03:54:54	0.0521	0.0138	0.0123	ID -0.0923	0.0075	10.0580	0.4714	-0.0036
2	03:55:30	0.0625	0.0011	0.0179	ID 0.0334	0.0081	6.5201	-1.2444	-0.0049
3	03:56:07	0.0100	0.0525	0.0206	ID -0.0117	0.0316	5.5984	-4.2587	-0.0062
4	03:56:44	0.0193	0.0447	0.0317	ID -0.0143	0.1320	4.7739	-2.1636	0.0003
5	03:57:20	0.0327	0.0702	-0.0053	ID 0.0368	0.2075	4.4895	-2.7408	-0.0009
x		0.0353	0.0365	0.0155	ID -0.0096	0.0773	6.2879	-1.9872	-0.0031
%RSD		62.0820	77.8790	87.7990	ID 541.5300	115.0800	35.7980	88.4410	88.0290

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	03:54:54	-0.0394	-0.0541	0.0448	0.3885	-0.0394	0.9064	-0.1651	-0.0905
2	03:55:30	-0.0103	-0.0451	0.0263	0.2945	0.0559	0.7491	0.2491	-1.2456
3	03:56:07	-0.0065	-0.0460	0.0245	0.3409	-0.0164	0.8445	-0.1714	0.8035
4	03:56:44	-0.0071	-0.0245	0.0085	2.1081	-0.0009	0.4909	0.1554	-0.0849
5	03:57:20	-0.0096	-0.0392	0.0174	3.9237	-0.0808	0.8297	-0.3537	1.2353
x		-0.0146	-0.0418	0.0243	1.4111	-0.0163	0.7641	-0.0571	0.1236
%RSD		95.4630	26.3970	55.3570	113.3700	308.7000	21.2940	438.8200	774.4700

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	03:54:54	91.10%	-0.0108	-0.5136	-0.0090	0.0013	0.0001	90.91%	0.0000
2	03:55:30	94.20%	-0.0126	-0.0868	-0.0048	-0.0009	0.0029	93.81%	0.0000
3	03:56:07	97.10%	-0.0050	0.2425	-0.0087	0.0029	0.0052	96.52%	0.0000
4	03:56:44	96.94%	0.0204	0.1926	0.0165	0.0210	0.0143	97.77%	0.0000
5	03:57:20	97.89%	0.0336	-0.0869	0.0395	0.0229	0.0186	98.19%	0.0000
x		95.45%	0.0051	-0.0504	0.0067	0.0094	0.0082	95.44%	0.0000
%RSD		2.93	405.6000	596.3900	316.5900	122.4000	95.7530	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	03:54:54	-0.0107	0.0051	-0.0022	87.49%	-0.0354	-0.0320	0.0030	0.0029
2	03:55:30	-0.0038	-0.0018	0.0048	92.18%	-0.0351	-0.0335	0.0018	0.0078
3	03:56:07	-0.0188	-0.0081	0.0009	T 98.66%	-0.0338	-0.0310	-0.0060	-0.0004
4	03:56:44	-0.0061	-0.0020	0.0112	96.06%	-0.0324	-0.0301	0.0134	0.0154
5	03:57:20	-0.0006	0.0275	0.0041	T 100.12%	-0.0320	-0.0275	0.0154	0.0238
x		-0.0080	0.0041	0.0038	T 94.90%	-0.0337	-0.0308	0.0055	0.0099
%RSD		88.4910	334.0000	134.1100	T 5.40	4.5418	7.2046	159.7600	98.7190

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	03:54:54	0.0046	89.76%	0.0000
2	03:55:30	0.0024	94.40%	0.0000
3	03:56:07	-0.0017	97.12%	0.0000
4	03:56:44	0.0115	98.73%	0.0000
5	03:57:20	0.0217	99.38%	0.5845
x		0.0077	95.88%	0.1169
%RSD		118.8200	4.09	223.6100

CCV4 07/08/2008 04:00:16

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	04:00:52	96.29%	251.1200	992.0400	1002.7000	1008.3000	244.5600	985.2600	90.03%
2	04:01:29	97.74%	249.2400	1009.9000	1021.1000	1009.0000	241.1000	1002.2000	91.75%
3	04:02:06	97.12%	252.3700	1007.5000	1026.9000	1023.9000	243.0300	997.2800	91.75%
4	04:02:42	97.86%	247.9100	1022.6000	1035.3000	1029.9000	242.1100	1024.7000	92.10%
5	04:03:19	97.48%	249.4400	1039.3000	1045.3000	1032.5000	243.3700	1076.1000	92.10%
x		97.30%	250.0100	1014.3000	1026.3000	1020.7000	242.8400	1017.1000	91.55%
%RSD		0.65	0.6967	1.7477	1.5614	1.1220	0.5386	3.5324	0.95
Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	04:00:52	0.0454	241.3200	239.3300	ID 43.6540	240.7400	1004.2000	970.5300	241.7800
2	04:01:29	0.0263	240.5900	238.7100	ID 44.5260	241.1700	1004.7000	983.5300	241.7000
3	04:02:06	0.0056	241.6200	238.5900	ID 44.6760	240.4900	1015.2000	983.9600	240.0600
4	04:02:42	0.0331	240.9800	238.2100	ID 44.5710	239.8400	1010.0000	982.2500	240.4000
5	04:03:19	-0.0022	240.6100	240.1700	ID 44.1820	240.4600	1012.9000	982.3200	240.2000
x		0.0217	241.0200	239.0000	ID 44.3220	240.5400	1009.4000	980.5200	240.8200
%RSD		90.7860	0.1861	0.3207	ID 0.9408	0.2015	0.4841	0.5744	0.3496
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	04:00:52	244.5900	237.9500	239.5100	242.5800	245.5500	247.0800	249.0500	0.7527
2	04:01:29	240.5900	238.9300	240.8100	244.4300	245.8700	247.9100	251.6100	0.5654
3	04:02:06	240.3700	238.6300	238.5600	242.1600	243.0100	243.7300	247.7000	0.9312
4	04:02:42	240.5100	237.9800	238.5500	245.3400	241.1100	244.2300	243.5900	0.8831
5	04:03:19	239.5300	237.1700	239.0200	244.6600	242.5900	244.6800	247.4300	1.0590
x		241.1200	238.1300	239.2900	243.8400	243.6300	245.5300	247.8800	0.8383
%RSD		0.8245	0.2865	0.3921	0.5677	0.8344	0.7536	1.1757	22.4070
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	04:00:52	89.57%	239.4000	-2.8373	240.2900	243.4800	242.6000	89.38%	0.0000
2	04:01:29	90.66%	239.9100	2.0789	240.3000	244.8200	242.2100	91.82%	0.0000
3	04:02:06	92.32%	239.3200	-1.6741	240.1900	244.5400	244.2200	92.91%	0.0000
4	04:02:42	91.95%	238.4100	1.5074	240.6300	245.2300	243.6900	93.13%	0.0000
5	04:03:19	92.20%	239.8300	-0.0421	240.8800	243.9900	242.8600	93.47%	0.0000
x		91.34%	239.3800	-0.1934	240.4600	244.4100	243.1200	92.14%	0.0000
%RSD		1.30	0.2490	1073.9000	0.1191	0.2815	0.3382	1.80	0.0000
Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	04:00:52	240.6900	243.9800	244.1300	87.34%	240.2300	234.8800	241.0000	241.8700
2	04:01:29	240.2100	240.8500	241.0400	90.75%	241.3400	235.5700	241.8900	241.5600
3	04:02:06	242.5700	244.7200	242.5100	91.56%	241.8100	236.3900	239.9800	242.8000
4	04:02:42	243.6000	244.4700	245.1600	92.76%	240.5900	236.0300	241.9900	243.4600
5	04:03:19	244.6300	244.7000	244.2300	93.18%	241.7200	236.8000	242.3200	241.0400
x		242.3400	243.7400	243.4100	91.12%	241.1400	235.9300	241.4400	242.1500
%RSD		0.7755	0.6749	0.6711	2.55	0.2904	0.3149	0.3944	0.4024
Run	Time	208Pb	209Bi	220Bkg					
		ug/L	ug/L	ug/L					
1	04:00:52	239.7400	90.00%	0.0000					
2	04:01:29	239.5000	93.68%	0.0000					
3	04:02:06	240.5100	95.29%	0.0000					
4	04:02:42	240.7400	96.26%	0.0000					
5	04:03:19	239.6300	96.84%	0.0000					
x		240.0200	94.41%	0.0000					
%RSD		0.2340	2.91	0.0000					

CCB4 07/08/2008 04:06:11

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	04:06:48	97.01%	0.0377	1.1648	1.3085	1.9508	-0.1973	6.2215	89.46%
2	04:07:25	98.12%	0.0313	1.5608	1.7634	1.5566	-0.1811	5.7447	91.83%
3	04:08:01	99.02%	0.0674	4.2736	4.9234	4.6527	-0.1525	14.3820	93.90%
4	04:08:38	99.81%	0.0569	4.4213	4.6579	4.4129	-0.1258	19.1420	95.67%
5	04:09:15	99.58%	0.0571	4.5448	3.5885	4.3692	-0.1284	17.8290	94.53%
x		98.71%	0.0501	3.1931	3.2484	3.3884	-0.1570	12.6640	93.08%
%RSD		1.16	29.9760	52.5950	50.7620	44.3480	20.1740	50.0940	2.64

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	04:06:48	0.0662	0.0117	0.0076	ID -0.0980	0.0316	-0.9812	-1.7243	0.0231
2	04:07:25	0.0424	0.0105	0.0319	ID -0.1018	0.0269	-2.1002	-2.1053	0.0360
3	04:08:01	0.0088	0.0632	0.0120	ID -0.1275	0.1019	-2.0952	-5.8433	0.0671
4	04:08:38	0.0081	0.0818	0.0566	ID -0.1135	0.0909	-4.1146	-5.5059	0.0638
5	04:09:15	0.0079	0.0708	0.0073	ID -0.1145	0.0770	-3.8996	-4.3601	0.0526
x		0.0267	0.0476	0.0231	ID -0.1111	0.0657	-2.6382	-3.9078	0.0485
%RSD		99.4750	71.2850	92.3850	ID 10.4810	52.4400	50.5040	48.7580	38.4950

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	04:06:48	0.0169	0.0222	0.0703	-0.0735	0.0766	1.0091	0.3155	-0.5353
2	04:07:25	0.0142	0.0278	0.0666	-0.0449	0.1282	0.7603	0.5437	-1.4792
3	04:08:01	0.0566	0.0314	0.1061	0.2703	0.1134	0.9365	0.2371	0.6321
4	04:08:38	0.0514	0.0511	0.0940	0.3424	0.0369	0.5902	0.0142	0.4136
5	04:09:15	0.0438	0.0299	0.0716	0.2347	0.0020	0.9408	-0.2598	0.7470
x		0.0366	0.0325	0.0817	0.1458	0.0714	0.8474	0.1701	-0.0444
%RSD		53.9340	33.8320	21.2770	131.2400	73.5090	20.1420	179.8100	2135.8000

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	04:06:48	87.92%	0.0135	-1.4592	0.0031	0.0147	0.0229	87.25%	0.0000
2	04:07:25	91.60%	0.0117	-0.6827	0.0023	0.0314	0.0339	91.22%	0.0000
3	04:08:01	93.16%	0.0209	-0.0593	0.0215	0.0763	0.0616	94.32%	0.0000
4	04:08:38	95.26%	0.0237	0.8311	0.0177	0.0810	0.0724	96.06%	0.0000
5	04:09:15	96.10%	0.0123	0.5283	0.0107	0.0618	0.0625	96.96%	0.0000
x		92.81%	0.0164	-0.1684	0.0110	0.0530	0.0507	93.16%	0.0000
%RSD		3.51	33.4860	549.8200	77.5050	54.4180	41.6720	4.26	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	04:06:48	0.3998	0.0260	0.0405	85.13%	0.0018	-0.0011	0.0404	0.0382
2	04:07:25	0.4330	0.0505	0.0310	89.22%	-0.0040	0.0043	0.0260	0.0524
3	04:08:01	0.4488	0.0719	0.0604	T 96.77%	0.0510	0.0514	0.0774	0.1124
4	04:08:38	0.3605	0.0521	0.0656	T 99.67%	0.0397	0.0413	0.0897	0.0738
5	04:09:15	0.3018	0.0708	0.0595	96.56%	0.0377	0.0357	0.0878	0.0579
x		0.3888	0.0542	0.0514	T 93.47%	0.0252	0.0263	0.0643	0.0670
%RSD		15.2420	34.5650	28.9280	T 6.48	97.7250	88.6850	45.4380	42.4910

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	04:06:48	0.0366	87.16%	0.0000
2	04:07:25	0.0438	91.97%	0.6316
3	04:08:01	0.0831	96.93%	0.0000
4	04:08:38	0.0821	98.45%	0.0000
5	04:09:15	0.0687	100.39%	0.0000
x		0.0629	94.98%	0.1263
%RSD		34.3490	5.65	223.6100

CRIF2 07/08/2008 04:12:06

User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	455c
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	04:12:42	96.81%	1.0621	-0.3764	-0.4994	-0.4792	-0.4083	-4.5655	91.55%
2	04:13:19	98.74%	1.0013	1.6839	1.6871	2.4101	-0.3594	3.8421	93.33%
3	04:13:56	98.45%	1.0465	3.5444	4.0345	2.4653	-0.3018	13.2310	95.12%
4	04:14:33	98.10%	1.0060	0.7804	1.2378	0.9285	-0.3797	3.0116	95.05%
5	04:15:10	100.23%	0.9560	0.4377	0.6375	-0.0847	-0.3998	-0.2895	95.76%
x		98.46%	1.0144	1.2140	1.4195	1.0480	-0.3698	3.0459	94.16%
%RSD		1.25	4.1126	123.3600	118.0800	130.6000	11.4800	216.1800	1.82

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	04:12:42	0.0429	4.5643	1.8163	ID 0.0602	0.8745	-1.1501	-3.8276	0.8777
2	04:13:19	0.0516	4.6254	1.8443	ID -0.0660	0.9310	-0.6022	-8.7571	0.9039
3	04:13:56	0.0145	4.7925	1.8692	ID -0.0716	0.9548	-2.6530	-5.7965	0.9515
4	04:14:33	0.0145	4.6448	1.7859	ID -0.1594	0.9351	-2.6283	-7.0078	0.9415
5	04:15:10	-0.0189	4.5652	1.8608	ID -0.0603	0.9623	-3.7259	-12.1870	0.9132
x		0.0209	4.6384	1.8353	ID -0.0594	0.9315	-2.1519	-7.5153	0.9176
%RSD		132.9700	2.0109	1.8657	ID 131.7500	3.7000	58.6000	42.1720	3.2327

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	04:12:42	0.9719	1.9044	1.9731	1.8339	0.9958	5.8453	5.1679	-0.0047
2	04:13:19	0.9502	1.8559	1.8276	2.0682	0.7495	5.7790	4.7206	0.0890
3	04:13:56	0.9942	1.8054	1.8485	2.1353	1.0134	5.8730	5.2263	-0.3816
4	04:14:33	0.8710	1.7140	1.9024	1.8941	0.9748	6.1285	4.8781	0.4572
5	04:15:10	0.9356	1.7769	1.7477	1.6619	0.9764	5.5500	4.5757	0.0259
x		0.9446	1.8113	1.8599	1.9187	0.9420	5.8352	4.9137	0.0372
%RSD		4.9444	4.0317	4.5297	9.8546	11.5470	3.5540	5.7126	803.1800

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	1185n
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	04:12:42	90.73%	0.9170	-0.8132	0.9305	0.9456	0.9987	90.96%	0.0000
2	04:13:19	92.96%	0.8956	-0.5724	0.9135	0.9736	1.0173	93.44%	0.0000
3	04:13:56	93.85%	0.9062	0.6290	0.9120	0.9924	1.0865	95.36%	0.0000
4	04:14:33	95.77%	0.9024	0.3721	0.9182	0.8843	0.9508	96.39%	0.0000
5	04:15:10	95.98%	0.9582	0.7497	0.8834	0.9810	0.9649	97.23%	0.0000
x		93.86%	0.9159	0.0730	0.9115	0.9554	1.0036	94.68%	0.0000
%RSD		2.31	2.7171	982.3700	1.9007	4.5371	5.3117	2.66	0.0000

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	04:12:42	1.9626	9.5650	9.6299	89.54%	0.8564	0.8618	0.8961	0.9205
2	04:13:19	1.9671	9.7848	9.6329	92.27%	0.9127	0.8924	0.9401	0.9120
3	04:13:56	2.0385	9.9628	9.5211	94.34%	0.9726	0.8850	0.9666	1.0044
4	04:14:33	2.0335	9.4954	8.9335	T 99.47%	0.9109	0.8374	0.9765	0.9592
5	04:15:10	1.9708	9.2508	9.7821	96.01%	0.9061	0.8800	0.9765	1.0290
x		1.9945	9.6118	9.4999	T 94.32%	0.9117	0.8713	0.9512	0.9650
%RSD		1.9082	2.8454	3.4733	T 3.98	4.5238	2.5326	3.5953	5.3013

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	04:12:42	0.8946	93.00%	0.0000
2	04:13:19	0.9175	95.86%	0.0000
3	04:13:56	0.9614	97.90%	0.0000
4	04:14:33	0.9454	99.32%	0.0000
5	04:15:10	0.9535	100.16%	0.0000
x		0.9345	97.25%	0.0000
%RSD		2.9717	2.96	0.0000

CCV5 07/08/2008 04:18:02

User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	04:18:38	95.28%	249.5500	981.1200	988.1000	1002.2000	243.3000	956.4200	88.81%
2	04:19:15	95.77%	248.8500	997.0300	1006.2000	1020.6000	243.7000	993.6200	89.81%
3	04:19:51	96.37%	249.6400	1012.3000	1027.8000	1012.4000	242.5400	983.6700	91.29%
4	04:20:28	96.97%	248.2800	1007.7000	1011.0000	1009.0000	241.2600	1010.5000	91.46%
5	04:21:04	97.08%	248.0900	1011.1000	1025.3000	1021.1000	241.1500	991.1700	91.79%
x		96.30%	248.8800	1001.8000	1011.7000	1013.0000	242.3900	987.0700	90.63%
%RSD		0.80	0.2855	1.3017	1.5889	0.7902	0.4780	2.0002	1.40

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	04:18:38	0.0369	242.6100	240.6600	ID 44.5280	241.9900	1003.0000	988.7700	242.8100
2	04:19:15	0.0412	241.4600	240.2900	ID 44.5590	240.9400	1006.0000	973.1800	240.9200
3	04:19:51	0.0211	239.4100	238.5900	ID 44.2450	240.6700	1009.6000	994.9900	240.9300
4	04:20:28	0.0148	241.2700	239.4300	ID 44.3460	242.4900	1011.6000	984.3800	241.1600
5	04:21:04	0.0026	242.0300	239.0100	ID 44.7040	240.5300	1015.2000	996.9500	241.1400
x		0.0233	241.3500	239.6000	ID 44.4760	241.3200	1009.1000	987.6500	241.3900
%RSD		68.2180	0.5010	0.3628	ID 0.4080	0.3599	0.4714	0.9628	0.3323

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	04:18:38	244.2400	241.0100	243.5100	244.6200	245.1800	250.2600	247.9700	0.5456
2	04:19:15	242.0900	238.3800	241.3300	243.7800	243.4300	246.3900	248.1200	0.1615
3	04:19:51	241.9600	238.4600	240.5100	246.3200	244.7000	246.4100	244.2200	1.9630
4	04:20:28	241.2300	239.8500	239.9700	244.7800	241.4600	245.3300	243.5800	-0.2220
5	04:21:04	241.2700	237.7600	242.1900	242.9000	242.5600	244.2200	245.9000	0.7534
x		242.1600	239.0900	241.5000	244.4800	243.4700	246.5200	245.9600	0.6403
%RSD		0.5066	0.5503	0.5801	0.5196	0.6272	0.9229	0.8488	129.3600

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	04:18:38	87.13%	240.0700	-4.0697	239.9600	242.9200	244.0600	87.42%	0.0000
2	04:19:15	89.98%	239.2700	0.0822	240.6800	245.3100	244.1100	89.95%	0.0000
3	04:19:51	90.61%	240.9500	0.5105	239.5800	244.4100	244.3300	91.78%	0.0000
4	04:20:28	91.53%	239.4100	-1.9694	240.4700	243.5000	242.3700	92.80%	0.0000
5	04:21:04	92.11%	239.8600	2.0699	240.3900	244.7600	245.8200	92.51%	0.0000
x		90.27%	239.9100	-0.6753	240.2200	244.1800	244.1400	90.89%	0.0000
%RSD		2.15	0.2768	352.8600	0.1833	0.3947	0.5016	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	04:18:38	240.8600	244.7000	246.1800	84.89%	241.1400	235.3000	242.0200	242.4200
2	04:19:15	242.3800	247.9400	245.2300	88.24%	240.1800	235.0000	241.9000	242.0000
3	04:19:51	242.9300	245.1000	245.5900	90.31%	240.4400	236.3600	241.9700	241.6200
4	04:20:28	242.0900	240.1400	238.7500	T 95.59%	238.7200	234.1500	241.9400	242.9200
5	04:21:04	246.2100	245.4800	245.7000	92.40%	240.7600	235.9800	241.4900	241.8500
x		242.9000	244.6700	244.2900	T 90.29%	240.2500	235.3600	241.8600	242.1600
%RSD		0.8252	1.1570	1.2759	T 4.49	0.3851	0.3668	0.0874	0.2116

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	04:18:38	240.1900	87.18%	0.6663
2	04:19:15	239.6400	91.88%	0.0000
3	04:19:51	239.6500	94.26%	0.0000
4	04:20:28	240.3600	95.99%	0.0000
5	04:21:04	239.7800	96.37%	0.0000
x		239.9300	93.13%	0.1333
%RSD		0.1380	4.05	223.6100

CCB5 07/08/2008 04:23:57

User Pre-dilution: 1.000

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	04:24:34	95.99%	0.0354	1.0441	1.9270	0.7482	-0.1899	6.2950	89.27%
2	04:25:10	97.25%	0.0504	1.2122	1.7232	0.7125	-0.2164	5.8374	91.96%
3	04:25:47	98.24%	0.0511	1.5481	2.1413	1.8801	-0.1935	7.2226	92.75%
4	04:26:24	99.01%	0.0943	3.3566	3.3327	4.2461	-0.1117	10.9200	93.51%
5	04:27:00	99.61%	0.0529	2.4090	2.8171	2.1249	-0.1235	7.7395	94.54%
x		98.02%	0.0568	1.9140	2.3883	1.9424	-0.1670	7.6030	92.41%
%RSD		1.47	38.8740	50.3130	28.0260	74.0850	27.7830	26.3020	2.16

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	04:24:34	0.0802	0.0320	0.0214	ID -0.1303	0.0287	-1.9597	0.2835	0.0258
2	04:25:10	0.0600	0.0460	0.0635	ID -0.1868	0.0459	-5.4186	-4.0590	0.0324
3	04:25:47	0.0673	0.0467	0.0444	ID -0.1668	0.0590	-4.9302	-6.4329	0.0288
4	04:26:24	0.0340	0.0826	0.0612	ID -0.0653	0.1109	-2.9004	-3.2739	0.0935
5	04:27:00	0.0196	0.0576	0.0198	ID -0.0082	0.0845	-4.8488	-3.4444	0.0587
x		0.0522	0.0530	0.0420	ID -0.1115	0.0658	-4.0115	-3.3853	0.0478
%RSD		47.6040	35.6720	49.8570	ID 66.3690	49.2680	37.3280	71.1670	59.9240

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	04:24:34	0.0027	0.0111	0.0855	0.0761	0.0650	1.0535	0.1442	0.0102
2	04:25:10	0.0203	0.0355	0.0625	0.1477	-0.0130	1.0481	-0.1514	0.2055
3	04:25:47	0.0109	0.0054	0.0824	0.0745	0.0104	0.9240	-0.2397	0.6398
4	04:26:24	0.0906	0.0537	0.1493	0.3373	0.1054	0.6061	0.0903	0.7408
5	04:27:00	0.0531	0.0206	0.0800	0.2466	0.1106	0.4608	0.3249	-0.9798
x		0.0355	0.0253	0.0919	0.1764	0.0556	0.8185	0.0336	0.1233
%RSD		102.1700	77.3830	36.1890	64.6810	99.8300	33.0190	679.7600	556.6600

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1	04:24:34	87.32%	0.0184	-1.1194	0.0095	0.0194	0.0333	87.39%	0.0000
2	04:25:10	90.14%	-0.0004	-1.5513	0.0097	0.0230	0.0286	90.38%	0.0000
3	04:25:47	91.70%	0.0085	-0.4383	0.0108	0.0396	0.0408	92.07%	0.0000
4	04:26:24	92.13%	0.0223	-0.2858	0.0138	0.0855	0.0638	93.40%	0.0000
5	04:27:00	93.50%	0.0157	-0.0382	0.0093	0.0493	0.0504	93.73%	0.0000
x		90.96%	0.0129	-0.6866	0.0106	0.0433	0.0434	91.39%	0.0000
%RSD		2.60	69.4920	91.4760	17.6350	61.1930	32.4540	2.84	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	04:24:34	0.4254	0.0329	0.0329	84.22%	0.0190	0.0066	0.0378	0.0316
2	04:25:10	0.4373	-0.0015	0.0537	88.44%	0.0085	0.0144	0.0414	0.0499
3	04:25:47	0.4351	0.0629	0.0344	89.72%	0.0191	0.0268	0.0349	0.0358
4	04:26:24	0.4077	0.0976	0.0822	T 95.69%	0.0768	0.0733	0.0984	0.0756
5	04:27:00	0.3541	0.0413	0.0465	T 96.87%	0.0395	0.0503	0.0662	0.0789
x		0.4119	0.0467	0.0500	T 90.99%	0.0326	0.0343	0.0557	0.0544
%RSD		8.3394	78.7460	40.0370	T 5.78	83.4140	79.8510	48.2300	40.4920

Run	Time	208Pb	209Bi	220Bkg
		ug/L	ug/L	ug/L
1	04:24:34	0.0302	87.18%	0.0000
2	04:25:10	0.0395	91.19%	0.0000
3	04:25:47	0.0376	93.64%	0.0000
4	04:26:24	0.0810	95.14%	0.0000
5	04:27:00	0.0645	96.31%	0.0000
x		0.0506	92.69%	0.0000
%RSD		42.2680	3.91	0.0000

Mass Uncorrected ICPS

S0 07/07/2008 23:21:44

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	23:22:21	251308.0600	10.0000	505.0153	30.0001	100.0006	1237.5919	457.5126	649878.2400
2	23:22:58	252971.4300	20.0000	455.0124	35.0001	45.0001	1180.0835	492.5146	657936.4500
3	23:23:34	255948.6300	13.3333	485.0141	75.0003	85.0004	1270.0968	522.5164	666953.9500
4	23:24:11	254729.6200	8.3333	550.0181	105.0007	120.0009	1482.6319	502.5152	666766.0200
5	23:24:48	257021.7500	12.5000	1125.0759	130.0010	215.0028	2202.7911	605.0220	671891.6800
x		254395.9000	12.8333	624.0272	75.0004	113.0010	1474.6390	516.0161	662685.2700
%RSD		0.900	34.848	45.225	57.927	56.022	28.672	10.668	1.320
Run	Time	47Ti	51V	52Cr	54Fe	55Mn	59Co	57Fe	59Co
1	23:22:21	235.0033	195.0023	1787.6917	ID 3798.3655	240.0035	183945.5000	1480.1314	27.5000
2	23:22:58	190.0022	185.0021	1855.2065	ID 4030.9747	217.5028	184528.1700	1537.6418	40.0001
3	23:23:34	217.5028	195.0023	1867.7093	ID 4030.9747	312.5059	186115.3800	1605.1546	27.5000
4	23:24:11	170.0017	170.0017	1762.6864	ID 4168.5423	287.5050	188165.6600	1537.6418	32.5001
5	23:24:48	170.0017	212.5027	1862.7082	ID 4161.0386	345.0071	188728.1700	1447.6257	45.0001
x		196.5024	191.5022	1827.2004	ID 4037.9792	280.5049	186296.5800	1521.6391	34.5001
%RSD		14.772	8.132	2.654	ID 3.709	18.561	1.142	3.982	22.569
Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	23:22:21	67.5003	290.0051	50.0001	180.0019	13.3333	797.5382	59.1669	47.5001
2	23:22:58	52.5002	275.0045	32.5001	197.5023	9.1667	811.7062	64.1669	61.6669
3	23:23:34	82.5004	292.5051	45.0001	187.5021	14.1667	792.5377	58.3335	53.3335
4	23:24:11	55.0002	280.0047	55.0002	240.0035	10.8333	865.0449	47.5001	55.0002
5	23:24:48	82.5004	355.0076	75.0003	352.5075	16.6667	861.7112	64.1669	67.5003
x		68.0003	298.5054	51.5002	231.5035	12.8333	825.7076	58.6669	57.0002
%RSD		21.184	10.849	30.238	30.892	22.774	4.253	11.610	13.582
Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	23:22:21	1077846.1000	60.0002	5.0000	46.2501	0.0000	1.2500	1215466.5000	22.5000
2	23:22:58	1088110.4000	67.5003	10.0000	71.2503	1.2500	5.0000	1241142.8000	22.5000
3	23:23:34	1110218.9000	70.0003	5.0000	62.5002	5.0000	3.7500	1257508.1000	2.5000
4	23:24:11	1120113.6000	96.2506	15.0000	82.5004	1.2500	2.5000	1272799.8000	12.5000
5	23:24:48	1132721.9000	157.5015	2.5000	135.0011	2.5000	6.2500	1284694.6000	27.5000
x		1105802.2000	90.2506	7.5000	79.5004	2.0000	3.7500	1254322.3000	17.5000
%RSD		2.044	44.326	66.667	42.433	94.786	52.705	2.168	57.143
Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	23:22:21	25.0000	0.0000	2.5000	T 1888327.7000	87.5005	202.5025	40.0001	37.5001
2	23:22:58	40.0001	0.0000	2.5000	1866512.6000	115.0008	210.0027	35.0001	27.5000
3	23:23:34	42.5001	5.0000	7.5000	1897306.8000	90.0005	233.7533	35.0001	42.5001
4	23:24:11	42.5001	2.5000	2.5000	T 1991796.1000	113.7508	292.5051	50.0001	30.0001
5	23:24:48	72.5003	10.0000	7.5000	T 2008806.2000	117.5008	295.0052	87.5005	32.5001
x		44.5001	3.5000	4.5000	T 1930549.9000	104.7507	246.7538	49.5002	34.0001
%RSD		38.801	119.523	60.858	T 3.363	14.029	18.009	44.662	17.708
Run	Time	208Pb	209Bi	220Bkg					
1	23:22:21	107.5007	1249677.1000	0.0000					
2	23:22:58	102.5006	1301219.5000	0.0000					
3	23:23:34	87.5005	1332641.8000	0.0000					
4	23:24:11	92.5005	1353711.0000	0.0000					
5	23:24:48	112.5008	1372599.2000	0.0000					
x		100.5006	1321969.7000	0.0000					
%RSD		10.317	3.656	0.000					

S2 07/07/2008 23:27:38

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	23:28:15	248550.5100	1161.7476	2335.3272	365.0080	355.0076	8599.4347	605.0220	629958.6600
2	23:28:52	248807.1700	1104.2398	2245.3024	360.0078	335.0067	8539.3730	627.5236	640870.4100
3	23:29:29	253933.3700	1160.9142	2610.4088	350.0074	465.0130	9220.0978	737.5326	656133.5400
4	23:30:05	252052.5400	1087.5710	2505.3766	380.0087	495.0147	9600.5270	687.5284	659377.7000
5	23:30:42	255308.6100	1146.7456	2665.4262	440.0116	400.0096	9590.5155	642.5248	662336.6000
x		251730.4400	1132.2436	2472.3682	379.0087	410.0103	9109.9896	660.0263	649735.3800
%RSD		1.199	3.022	7.228	9.440	16.810	5.677	8.000	2.125

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	23:28:15	260.0041	6374.9375	7633.4946	ID 3973.4471	7570.9376	184323.7200	1742.6822	7588.4535
2	23:28:52	252.5038	6434.9836	7651.0107	ID 3835.8826	7801.1498	185622.0600	1692.6719	7723.5776
3	23:29:29	242.5035	6577.5949	7881.2251	ID 4246.0815	7986.3251	188784.4200	1695.1724	7781.1311
4	23:30:05	197.5023	6727.7146	7856.2014	ID 4060.9893	8091.4264	189487.6200	1652.6639	7993.8322
5	23:30:42	202.5025	6550.0732	7993.8322	ID 4338.6291	8148.9824	190584.7100	1617.6570	7768.6194
x		231.0032	6533.0607	7803.1528	ID 4091.0059	7919.7642	187760.5100	1680.1695	7771.1228
%RSD		12.565	2.093	1.998	ID 4.967	2.976	1.419	2.816	1.880

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	23:28:15	1820.1988	4631.2866	2142.7755	1687.6709	1165.9149	1058.4005	197.5023	55.0002
2	23:28:52	1815.1977	4698.8244	2120.2697	1607.6551	1048.3993	1035.0643	168.3350	57.5002
3	23:29:29	1830.2010	4746.3513	2277.8113	1767.6875	1112.5743	1112.5743	165.8350	53.3335
4	23:30:05	1890.2144	4876.4264	2157.7793	1787.6917	1120.9087	1171.7490	151.6681	47.5001
5	23:30:42	1975.2341	4748.8527	2217.7951	1712.6760	1153.4131	1082.5703	156.6681	55.0002
x		1866.2092	4740.3483	2183.2862	1712.6762	1120.2421	1092.0717	168.0017	53.6668
%RSD		3.642	1.894	2.932	4.160	4.092	4.855	10.608	6.996

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	23:28:15	1029872.2000	5394.2453	90.0005	5204.1245	1122.5756	2556.6421	1154110.0000	17.5000
2	23:28:52	1056137.3000	5842.0471	62.5002	5694.4449	1172.5825	2600.4057	1188253.9000	20.0000
3	23:29:29	1078149.3000	5873.3190	95.0005	5620.6449	1215.0886	2696.6863	1224193.8000	25.0000
4	23:30:05	1096861.4000	5992.1536	75.0003	5735.7232	1217.5889	2702.9383	1237489.6000	30.0001
5	23:30:42	1097696.4000	6117.2444	77.5004	5804.5208	1213.8384	2795.4688	1239010.2000	12.5000
x		1071743.3000	5843.8019	80.0004	5611.8917	1188.3348	2670.4282	1208611.5000	21.0000
%RSD		2.697	4.684	16.087	4.232	3.468	3.514	3.036	32.165

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	23:28:15	2877.9969	757.5344	1257.5949	1696345.7000	4383.6527	10191.2280	3828.3792	3018.0464
2	23:28:52	3093.0739	755.0342	1280.0983	T 1832718.3000	4387.4047	10898.3720	3605.7799	3035.5528
3	23:29:29	3288.1486	752.5340	1490.1332	1824907.6000	4598.7686	11261.3540	4058.4880	3190.6107
4	23:30:05	3360.6775	830.0413	1442.6249	1855890.8000	4730.0920	11335.2040	3930.9269	3263.1388
5	23:30:42	3243.1310	805.0389	1467.6292	T 1944445.8000	4850.1610	11526.7160	4091.0039	3073.0665
x		3172.6056	780.0366	1387.6161	T 1830861.6000	4590.0158	11042.5750	3902.9156	3116.0830
%RSD		6.039	4.539	7.928	T 4.859	4.505	4.778	5.031	3.409

Run	Time	208Pb	209Bi	220Bkg
1	23:28:15	7005.4433	1174657.1000	0.0000
2	23:28:52	7538.4081	1227468.3000	0.0000
3	23:29:29	7843.6897	1271312.6000	0.0000
4	23:30:05	7933.7749	1291376.3000	0.0000
5	23:30:42	8018.8563	1302471.9000	0.0000
x		7668.0345	1253457.3000	0.0000
%RSD		5.379	4.192	0.000

S5 07/07/2008 23:33:32

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	23:34:09	243341.7900	2939.6851	4106.0113	515.0159	675.0273	16411.1440	730.0320	620976.9100
2	23:34:45	250148.9500	2953.0231	4591.2644	590.0209	850.0434	16381.0850	747.5335	639130.3400
3	23:35:22	253299.5100	3103.0776	4656.3005	715.0307	740.0329	17370.5850	735.0324	644154.7100
4	23:35:59	253053.8800	2978.0320	4711.3314	630.0238	755.0342	17022.3680	737.5326	644118.3000
5	23:36:36	254432.4100	3023.0482	4731.3428	695.0290	775.0360	17215.2640	747.5335	654468.7100
x		250855.3100	2999.3732	4559.2501	629.0241	759.0348	16880.0890	739.5328	640569.7900
%RSD		1.789	2.204	5.684	12.884	8.325	2.718	1.053	1.919
Run	**Time**	**47Ti**	**51V**	**52Cr**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**
1	23:34:09	287.5050	16431.1830	16726.7700	ID 4208.5625	19289.8000	184203.6000	1970.2329	19405.0670
2	23:34:45	270.0044	16887.0930	16771.8610	ID 4143.5299	19440.1490	186685.4200	1905.2178	19768.4200
3	23:35:22	210.0027	16721.7600	17182.6960	ID 4288.6032	20014.0050	188988.9800	1890.2144	20297.1880
4	23:35:59	202.5025	16709.2350	17082.4910	ID 4488.7086	20329.7680	190167.8500	1697.6729	19998.9690
5	23:36:36	217.5028	16969.7610	17115.0570	ID 4526.2289	19978.9210	191101.3400	1822.6993	19991.4510
x		237.5035	16743.8060	16975.7750	ID 4331.1266	19810.5280	188229.4400	1857.2074	19892.2190
%RSD		16.222	1.235	1.240	ID 3.914	2.182	1.483	5.570	1.663
Run	**Time**	**60Ni**	**63Cu**	**65Cu**	**66Zn**	**75As**	**78Se**	**82Se**	**83Kr**
1	23:34:09	4441.1831	11177.4910	5329.2035	3203.1155	2757.1227	1489.2997	337.5068	60.8336
2	23:34:45	4653.7991	11482.9060	5519.3272	3443.2112	2797.9696	1479.2980	335.8401	46.6668
3	23:35:22	4611.2755	11703.2120	5636.9058	3563.2616	2830.4806	1576.8158	336.6735	52.5002
4	23:35:59	4618.7796	11730.7510	5754.4862	3640.7951	2697.1031	1476.7975	362.5079	67.5003
5	23:36:36	4688.8187	12016.1570	5571.8621	3570.7649	2839.6504	1522.6391	349.1740	50.8335
x		4602.7712	11622.1030	5562.3570	3484.2297	2784.4653	1508.9700	344.3405	55.6669
%RSD		2.074	2.689	2.825	4.949	2.104	2.791	3.347	15.060
Run	**Time**	**89Y**	**107Ag**	**108Mo O**	**109Ag**	**111Cd**	**114Cd**	**115In**	**118Sn**
1	23:34:09	1009430.7000	13482.1470	190.0022	13388.2460	2837.9832	6512.5438	1116008.7000	22.5000
2	23:34:45	1043569.5000	14379.8960	205.0025	13838.9820	2953.0231	6736.4717	1168232.2000	20.0000
3	23:35:22	1059420.0000	14289.7410	190.0022	14091.9050	3038.0537	6727.7146	1191361.8000	27.5000
4	23:35:59	1072452.1000	14506.3650	205.0025	14369.8790	2870.4943	6905.3599	1199669.1000	12.5000
5	23:36:36	1072333.2000	14741.7780	205.0025	14467.5480	2989.2861	7135.5537	1212758.7000	30.0001
x		1051441.1000	14279.9860	199.0024	14031.3120	2937.7681	6803.5287	1177606.1000	22.5000
%RSD		2.502	3.342	4.129	3.105	2.819	3.412	3.232	30.429
Run	**Time**	**121Sb**	**135Ba**	**137Ba**	**159Tb**	**203Tl**	**205Tl**	**206Pb**	**207Pb**
1	23:34:09	7315.7098	1742.6822	3195.6126	1654340.2000	10403.9910	25697.0590	9007.3653	7123.0430
2	23:34:45	7868.7132	1950.2282	3523.2446	1731160.1000	11142.4440	26859.4660	9472.8811	7600.9649
3	23:35:22	7953.7940	1982.7358	3253.1348	1776273.7000	11610.5830	27973.1210	9853.3218	7718.5729
4	23:35:59	8296.6280	2050.2522	3465.7205	1806559.6000	11685.6880	28161.2530	10358.9340	8023.8611
5	23:36:36	8191.5241	2047.7516	3493.2320	1810070.8000	12063.7260	28716.8940	10246.2950	7848.6944
x		7925.2738	1954.7300	3386.1889	1755680.9000	11381.2860	27481.5590	9787.7596	7663.0273
%RSD		4.823	6.448	4.444	3.696	5.597	4.382	5.709	4.441
Run	**Time**	**208Pb**	**209Bi**	**220Bkg**					
1	23:34:09	18638.3200	1136801.8000	2.5000					
2	23:34:45	19079.3160	1199029.9000	0.0000					
3	23:35:22	19763.4080	1230282.8000	0.0000					
4	23:35:59	19891.2110	1251050.9000	0.0000					
5	23:36:36	20209.4760	1262180.5000	0.0000					
x		19516.3460	1215869.2000	0.5000					
%RSD		3.285	4.138	223.607					

S10 07/07/2008 23:39:26

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	23:40:03	248917.9000	5850.3862	7973.8131	1070.0687	1395.1168	28087.2540	785.0370	626048.6000
2	23:40:40	251313.2100	6128.0857	8894.7445	1220.0893	1430.1227	29175.9850	802.5386	643748.8200
3	23:41:16	255969.2500	5917.1000	8709.5490	1235.0915	1470.1297	29660.1900	852.5436	654372.8500
4	23:41:53	256612.7600	6100.5655	9089.9549	1240.0923	1345.1086	30036.5340	902.5489	661354.2400
5	23:42:30	258360.5400	6147.2665	8764.6067	1160.0807	1330.1061	29783.1270	905.0491	663312.3100
x		254234.7300	6028.6808	8686.5336	1185.0845	1394.1168	29348.6180	849.5435	649767.3700
%RSD		1.555	2.246	4.887	6.056	4.179	2.628	6.519	2.356
Run	**Time**	**47Ti**	**51V**	**52Cr**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**
1	23:40:03	270.0044	33007.7410	32673.9300	ID 4691.3201	39370.2820	189574.5600	1990.2376	39139.1970
2	23:40:40	310.0058	33645.2830	33391.7670	ID 4968.9810	40563.4840	192254.9300	1895.2155	39460.7080
3	23:41:16	222.5030	33620.1820	33567.4710	ID 5046.5276	41437.7700	196599.5500	1935.2247	41244.3140
4	23:41:53	250.0038	34641.8540	33986.6650	ID 4936.4617	41407.6210	196366.6500	1995.2388	40746.8760
5	23:42:30	192.5022	34009.2560	33268.7760	ID 5339.2099	41420.1830	197272.6800	1812.6971	41043.3250
x		249.0038	33784.8640	33377.7220	ID 4996.5001	40839.8680	194413.6700	1925.7228	40326.8840
%RSD		18.025	1.773	1.432	ID 4.666	2.208	1.722	3.920	2.382
Run	**Time**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**[illegible]**	**78Se**	**[illegible]**	**83Kr**
1	23:40:03	9004.8626	22660.7690	10932.1660	6199.8054	5461.7893	2161.1135	590.0209	59.1669
2	23:40:40	9242.6227	22903.9320	11172.4840	6597.6107	5663.5906	2266.1414	644.1916	49.1668
3	23:41:16	9625.5559	23305.0420	11139.9410	6665.1644	5809.5243	2346.1636	602.5218	62.5002
4	23:41:53	9382.7792	23049.3320	11502.9340	6742.7268	5778.6696	2234.4662	630.8572	66.6669
5	23:42:30	9302.6895	23412.8440	11202.5250	6895.3516	5718.6282	2307.8195	605.8554	59.1669
x		9311.7020	23066.3840	11190.0100	6620.1318	5686.4404	2263.1408	614.6894	59.3335
%RSD		2.417	1.315	1.828	3.924	2.419	3.135	3.607	10.897
Run	**Time**	**89Y**	**[illegible]**	**108Mo O**	**[illegible]**	**[illegible]**	**114Cd**	**115In**	**118Sn**
1	23:40:03	1016744.9000	28101.0500	427.5110	27425.0540	5863.3120	13566.0330	1139998.7000	30.0001
2	23:40:40	1058984.5000	29021.6980	395.0094	28482.3420	6040.9388	14140.7370	1194981.8000	22.5000
3	23:41:16	1078534.7000	30106.7870	432.5112	29334.0380	6296.1276	14414.9570	1229945.6000	35.0001
4	23:41:53	1098767.2000	30392.8230	400.0096	29592.4500	6233.5806	14710.4720	1247887.5000	30.0001
5	23:42:30	1103975.4000	30624.9200	430.0111	29938.6830	5998.4081	14753.0480	1252712.4000	42.5001
x		1071401.3000	29649.4560	417.0105	28954.5130	6086.4734	14317.0490	1213105.2000	32.0001
%RSD		3.301	3.579	4.311	3.489	2.907	3.403	3.852	23.044
Run	**Time**	**121Sb**	**135Ba**	**137Ba**	**159Tb**	**203Tl**	**205Tl**	**206Pb**	**207Pb**
1	23:40:03	15501.9050	3855.8919	6805.2776	1689653.4000	22323.6110	53260.9110	18618.2750	15098.6660
2	23:40:40	16075.4900	3975.9483	7163.0773	T 1854103.9000	23719.9600	56346.1010	20029.0410	15657.1950
3	23:41:16	16736.7900	3993.4566	7173.0859	T 1905439.6000	24415.7150	58408.9820	20352.3230	16358.5400
4	23:41:53	17004.8320	4396.1593	7338.2296	T 1934083.7000	24573.6790	58825.6470	21219.4820	16831.9820
5	23:42:30	17295.4290	4333.6265	7380.7671	T 1967154.3000	25615.5590	60148.7920	21124.2400	17135.0990
x		16522.8890	4111.0165	7172.0875	T 1870087.0000	24129.7050	57398.0870	20268.6720	16216.2960
%RSD		4.403	5.808	3.162	T 5.832	5.040	4.679	5.189	5.164
Run	**Time**	**208Pb**	**209Bi**	**220Bkg**					
1	23:40:03	37798.0270	1168946.5000	0.0000					
2	23:40:40	40641.3620	1240227.9000	0.0000					
3	23:41:16	41083.5220	1285344.2000	0.0000					
4	23:41:53	42254.3550	1311146.2000	0.0000					
5	23:42:30	42907.6800	1328559.2000	0.0000					
x		40936.9890	1266844.8000	0.0000					
%RSD		4.821	5.055	0.000					

S50 07/07/2008 23:45:21

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	23:45:58	250962.8800	29115.7750	37499.1820	5376.7340	6162.2776	125827.8400	1795.1933	627100.9800
2	23:46:34	252560.0700	29405.1220	37725.1990	5371.7308	6442.4894	128777.3900	1720.1775	635613.5400
3	23:47:11	255280.2600	29363.3080	38232.5030	5351.7179	5997.1572	130003.7100	1755.1848	634746.0100
4	23:47:47	255212.4000	29542.2720	39503.4100	5421.7632	6302.3823	130887.3800	1765.1869	645530.2700
5	23:48:24	256380.7800	29702.0050	38192.3190	5751.9844	6352.4203	131837.1800	1820.1988	644335.4000
x		254079.2800	29425.6960	38230.5220	5454.7861	6251.3453	129466.7000	1771.1883	637465.2400
%RSD		0.881	0.741	2.031	3.082	2.793	1.797	2.163	1.191

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	23:45:58	282.5048	159341.4600	151830.6700	ID 8794.6383	192822.8200	236547.8100	3190.6107	192508.1700
2	23:46:34	247.5037	161892.4200	154122.1600	ID 9089.9549	194734.0000	238584.6600	2975.5311	194982.2100
3	23:47:11	220.0029	161882.2300	155112.7900	ID 9069.9331	195683.3600	240560.2500	3108.0795	193905.0000
4	23:47:47	200.0024	164311.5800	156961.9300	ID 9054.9168	198703.5800	242453.9600	3105.5786	198485.9800
5	23:48:24	172.5018	164362.5700	156989.9500	ID 9082.4468	197528.6300	241880.1400	3218.1213	197352.0200
x		224.5031	162358.0500	155003.5000	ID 9018.3780	195894.4800	240005.3600	3119.5842	195446.6800
%RSD		18.921	1.284	1.393	ID 1.395	1.180	1.016	3.034	1.256

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	23:45:58	44189.3520	107493.8500	51636.9890	29685.2790	26706.0580	7432.4797	2803.8049	63.3336
2	23:46:34	45149.4780	109573.1700	53043.2800	29843.3420	27254.4960	7508.3810	2851.3211	57.5002
3	23:47:11	44483.4100	110492.6900	52514.9490	30274.8940	27282.0860	7675.1996	2878.8305	45.8335
4	23:47:47	45081.6120	111118.4300	53206.8170	30877.0980	27327.2330	7735.2551	2792.1343	42.5001
5	23:48:24	44790.0460	110272.3000	53798.0950	30829.4220	27499.4650	7627.6559	2890.5012	45.8335
x		44738.7800	109790.0900	52840.0260	30302.0070	27213.8680	7595.7943	2843.3184	51.0002
%RSD		0.905	1.273	1.539	1.808	1.100	1.627	1.546	17.538

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	23:45:58	1024724.3000	139790.2300	1822.6993	135486.2600	28137.4230	67182.2200	1147769.9000	40.0001
2	23:46:34	1051765.2000	143852.2300	2020.2449	140256.7200	29371.6710	68482.7420	1182339.6000	27.5000
3	23:47:11	1058588.6000	143314.3300	2015.2436	140658.4000	29490.8400	68823.0280	1193330.9000	32.5001
4	23:47:47	1064214.6000	146672.0000	2022.7455	141816.5300	29818.2520	70077.1650	1206552.2000	17.5000
5	23:48:24	1076845.8000	145821.0100	2077.7590	143695.8200	29584.9230	70229.6910	1223689.6000	37.5001
x		1055227.7000	143889.9600	1991.7385	140382.7500	29280.6220	68958.9690	1190736.4000	31.0001
%RSD		1.836	1.859	4.913	2.169	2.253	1.815	2.397	28.853

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	23:45:58	77327.1120	18658.3650	32902.3260	1709869.6000	110378.7000	265278.7100	93736.7460	74879.9150
2	23:46:34	79421.6730	19547.9000	34006.7460	T 1839095.0000	114489.8600	274996.2200	96892.5340	78528.2660
3	23:47:11	81021.9680	19507.8070	34142.2990	1798491.6000	117328.9400	283016.9200	99510.6150	79091.0510
4	23:47:47	82152.9600	20257.0910	34144.8090	T 1897909.7000	118931.4200	286175.8500	99662.4130	79820.4560
5	23:48:24	83296.7300	20039.0650	34950.6390	T 1911307.5000	120000.3300	288097.9000	101977.6700	80923.5180
x		80644.0890	19602.0460	34029.3640	T 1831334.7000	116225.8500	279513.1200	98355.9960	78648.6410
%RSD		2.905	3.147	2.152	T 4.463	3.332	3.363	3.200	2.911

Run	Time	208Pb	209Bi	220Bkg
1	23:45:58	188216.8000	1189612.6000	0.0000
2	23:46:34	196463.9000	1240887.4000	0.0000
3	23:47:11	201499.5200	1265843.8000	0.0000
4	23:47:47	203866.0500	1280362.6000	0.0000
5	23:48:24	205836.1000	1291488.1000	0.0000
x		199176.4700	1253638.9000	0.0000
%RSD		3.543	3.230	0.000

S200 07/07/2008 23:51:15

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	23:51:52	244792.5300	113822.0500	139233.5200	19968.8970	22530.4160	479107.8100	5231.6417	598128.0200
2	23:52:28	243358.0800	114851.8700	142157.2700	20014.0050	23252.3950	481536.9900	5289.1780	604469.4700
3	23:53:05	247772.0000	115738.1800	145092.2000	20204.4640	24009.5380	489769.0600	5214.1307	616581.6100
4	23:53:41	246512.1200	115877.5900	148669.4300	21597.9520	24641.3780	493489.1900	5211.6292	613464.9800
5	23:54:18	247356.6000	116179.2500	149560.1600	21587.9260	24942.2710	491997.2300	5326.7019	615894.7500
x		245958.2700	115293.7900	144942.5200	20674.6490	23875.2000	487180.0600	5254.6563	609707.7700
%RSD		0.752	0.832	2.999	4.077	4.157	1.325	0.971	1.325

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	23:51:52	285.0049	631970.2400	595916.4500	D 23365.2100	759994.1000	400220.2000	7305.7010	761497.4900
2	23:52:28	287.5050	637239.7100	600082.5600	D 23919.2790	777035.8300	406582.3500	7188.0988	772096.9000
3	23:53:05	257.5040	642973.5100	609377.0300	D 24390.6420	780637.7600	411431.8900	7435.8160	788048.9900
4	23:53:41	215.0028	648098.5900	612764.9300	D 24721.6150	788290.2900	414992.0700	7618.4809	790456.8100
5	23:54:18	197.5023	650392.3700	612501.5900	D 24626.3340	788663.2200	414254.1800	7676.0337	794506.0600
x		248.5038	642134.8800	606128.5100	D 24204.6160	778924.2400	409496.1400	7444.8261	781321.2500
%RSD		16.417	1.185	1.267	D 2.324	1.502	1.501	2.761	1.788

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	23:51:52	171226.2200	420603.1500	202997.7300	115152.6500	103762.8400	26798.8550	10923.8220	60.8336
2	23:52:28	174324.4700	425016.3200	204765.1900	115900.4100	105626.0300	27680.0620	10996.4170	65.0003
3	23:53:05	176320.8100	433036.3000	208872.7700	119652.8900	106788.2000	27822.2000	11111.5700	55.8335
4	23:53:41	177755.8200	439106.9200	212654.1200	119044.2600	107872.8700	27466.0220	11119.0800	63.3336
5	23:54:18	179586.9600	435710.4200	210626.0800	119944.5300	107932.8100	27707.6530	11092.3780	55.8335
x		175842.8600	430694.6200	207983.1800	117938.9500	106396.5500	27494.9580	11048.6530	60.1669
%RSD		1.832	1.782	1.935	1.901	1.643	1.491	0.773	7.022

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	23:51:52	975017.0500	540728.1900	7180.5923	529983.5600	108922.2200	257153.6400	1086952.9000	22.5000
2	23:52:28	1000057.6000	557882.9200	7698.5544	545635.5800	113752.3600	265447.7200	1127856.0000	42.5001
3	23:53:05	1023803.2000	572499.7900	7996.3346	557521.1200	115691.2800	272098.3900	1148378.3000	25.0000
4	23:53:41	1027671.2000	577694.2800	7518.3900	566017.4200	117656.0000	278802.1000	1169291.5000	25.0000
5	23:54:18	1029029.5000	581080.4800	7648.5084	563252.9600	117341.6200	277532.0000	1181545.4000	32.5001
x		1011115.7000	565977.1300	7608.4760	552482.1300	114672.7000	270206.7700	1142804.8000	29.5001
%RSD		2.310	2.945	3.895	2.681	3.113	3.332	3.267	27.721

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	23:51:52	297864.9400	72171.1730	126284.6700	1606225.6000	426816.1500	1037075.0000	363858.8800	289859.9500
2	23:52:28	312109.8100	75270.9140	130895.0000	1687697.6000	448677.0200	1101466.1000	382161.4200	302966.5000
3	23:53:05	322216.2500	76676.1380	133914.9200	1733353.7000	464701.6400	1138838.8000	393959.7200	313235.9000
4	23:53:41	326934.8000	78053.8400	136674.1700	T 1834990.8000	476506.0600	1160062.8000	402857.8500	321675.9700
5	23:54:18	330990.2700	78429.8460	135406.2300	T 1843640.1000	478779.7300	1171212.9000	405252.3600	322151.3100
x		318023.2200	76120.3820	132635.0000	T 1741181.6000	459096.1200	1121731.1000	389618.0400	309977.9300
%RSD		4.179	3.330	3.131	T 5.774	4.713	4.839	4.366	4.416

Run	Time	208Pb	209Bi	220Bkg
1	23:51:52	733792.1400	1128787.9000	0.0000
2	23:52:28	774262.1300	1186129.5000	0.0000
3	23:53:05	802233.9300	1220989.5000	0.0000
4	23:53:41	820737.2000	1248755.5000	0.0000
5	23:54:18	825676.1900	1255407.7000	0.0000
x		791340.3200	1208014.0000	0.0000
%RSD		4.798	4.307	0.000

S500 07/07/2008 23:57:09

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	23:57:46	238497.2100	281262.7500	348117.3800	48842.7180	56012.6140	1197638.2000	11685.6880	582396.5100
2	23:58:23	244052.1100	285923.2300	356015.7900	50371.7800	58026.3220	1216240.7000	12108.7910	594690.8800
3	23:58:59	245690.8900	287596.0100	366506.1900	51574.1010	60619.6860	1223358.4000	12218.9520	606104.5700
4	23:59:36	245753.5300	288576.5400	375922.0100	52967.8020	60584.4310	1224816.0000	12269.0250	605239.9900
5	00:00:13	244602.9100	286023.2400	375341.7100	53224.4290	61828.5180	1223061.7000	12178.8930	607678.2000
x		243719.3300	285876.3500	364380.6200	51396.1660	59414.3140	1217023.0000	12092.2700	599222.0300
%RSD		1.234	0.983	3.340	3.563	3.961	0.931	1.941	1.787

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	23:57:46	250.0038	T 1585874.5000	1516429.3000	ID 52638.2240	1951771.8000	748724.2300	15672.2230	T 1945041.4000
2	23:58:23	180.0019	T 1605691.2000	1536951.5000	ID 53767.9010	1999555.6000	764699.2000	15747.3650	T 1956082.8000
3	23:58:59	232.5032	T 1630632.4000	1556411.2000	ID 55534.4300	T 1988373.6000	783416.2400	16310.9470	T 1972617.2000
4	23:59:36	140.0012	T 1632117.7000	1563470.3000	ID 55874.1900	T 1994690.9000	791488.1400	16153.1400	T 1991451.8000
5	00:00:13	242.5035	T 1619900.9000	1556028.7000	ID 56621.7100	T 2005733.0000	794484.1100	16218.2670	T 1992985.3000
x		209.0027	T 1614843.3000	1545858.2000	ID 54887.2910	T 1988025.0000	776562.3800	16020.3880	T 1971635.7000
%RSD		22.642	T 1.198	1.240	ID 2.982	T 1.069	2.499	1.812	T 1.075

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	23:57:46	432596.8300	1070713.4000	510767.5700	285004.2000	259309.3400	65996.1320	26752.0380	50.8335
2	23:58:23	435926.2800	1088482.1000	521938.8800	291521.4300	264494.3600	67099.0540	27205.1680	60.0002
3	23:58:59	441819.8200	1100176.2000	527537.9700	296222.9400	267816.3100	67352.7550	27567.1880	61.6669
4	23:59:36	445400.5900	1113951.3000	528857.8100	298274.2000	269136.1600	68244.9700	27768.6890	61.6669
5	00:00:13	444106.7000	1102173.6000	526205.0300	300984.0700	270597.3500	68433.1700	27782.0670	66.6669
x		439970.0400	1095099.3000	523061.4500	294401.3700	266270.7000	67425.2160	27415.0300	60.1669
%RSD		1.249	1.493	1.405	2.136	1.689	1.454	1.597	9.616

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	23:57:46	959912.6600	1403205.0000	18247.4560	1358166.2000	276205.2400	655405.7300	1083033.5000	27.5000
2	23:58:23	989701.2200	1449695.3000	18838.7700	1415345.5000	286600.0600	683675.9400	1136132.8000	52.5002
3	23:58:59	1006605.0000	1488649.7000	19500.2890	1453382.4000	294746.9700	703324.4000	1156168.2000	15.0000
4	23:59:36	1024008.8000	1505233.0000	19981.4270	1461871.7000	297080.1600	711920.3300	1171353.2000	35.0001
5	00:00:13	1027575.4000	1519813.2000	19863.6460	1485780.0000	301292.4100	721312.4900	1190914.0000	37.5001
x		1001560.6000	1473319.2000	19286.3180	1434909.2000	291184.9700	695127.7800	1147520.3000	33.5001
%RSD		2.771	3.200	3.794	3.472	3.413	3.768	3.597	41.079

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	23:57:46	773577.7400	182391.9000	322543.5500	1611726.6000	1117000.6000	2796410.7000	947693.0700	748500.4000
2	23:58:23	809638.7800	191004.1500	334844.7700	1698291.2000	1181632.8000	2974469.9000	1006040.0000	791902.3600
3	23:58:59	834305.4700	196535.5600	345014.7600	1758232.9000	1236785.7000	3110190.1000	1042564.6000	821593.2000
4	23:59:36	852702.7500	198708.7000	349472.3600	1793859.1000	1260184.6000	3180964.5000	1064480.6000	844681.7800
5	00:00:13	866124.2500	200029.7400	354857.9400	1823092.1000	1288240.8000	3252550.7000	1081924.9000	861814.9700
x		827269.8000	193734.0100	341346.6800	1737040.4000	1216768.9000	3062917.2000	1028540.6000	813698.5400
%RSD		4.441	3.725	3.757	4.841	5.602	5.908	5.186	5.518

Run	Time	208Pb	209Bi	220Bkg
1	23:57:46	1951441.1000	1134663.9000	0.0000
2	23:58:23	2061909.5000	1201450.4000	0.0000
3	23:58:59	2156655.8000	1248910.1000	0.0000
4	23:59:36	2215825.5000	1284600.3000	2.5000
5	00:00:13	2264824.5000	1299999.2000	0.0000
x		2130131.3000	1233924.8000	0.5000
%RSD		5.881	5.446	223.607

S1000 07/08/2008 00:03:05

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	00:03:42	241449.5900	550393.2500	683544.5400	94922.5560	110700.4200	T 2266935.4000	22650.7420	575946.8300
2	00:04:18	240894.7100	551542.2800	692641.6100	96692.7330	112271.2300	T 2274404.3000	22811.1780	584277.8500
3	00:04:55	240123.7600	551773.5300	702036.0100	99267.7440	115363.0300	T 2267698.5000	23114.5120	586826.6800
4	00:05:31	244657.8200	553480.5000	706712.5800	99500.4960	115510.0400	T 2290567.7000	22532.9230	587335.7300
5	00:06:08	244263.1600	559654.7600	716448.5700	100563.1400	117659.8100	T 2288683.1000	23011.7290	592350.1700
x		242277.8100	553368.8600	700276.6600	98189.3330	114300.9100	T 2277657.8000	22824.2170	585347.4500
%RSD		0.847	0.666	1.812	2.357	2.434	T 0.497	1.061	1.028

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	00:03:42	290.0051	T 3040309.6000	T 2865502.3000	ID 100649.1700	T 3709653.2000	1323796.8000	28789.6450	T 3749318.0000
2	00:04:18	207.5026	T 3050632.6000	T 2889849.2000	ID 100765.5600	T 3726800.3000	1348137.9000	29221.1430	T 3713363.5000
3	00:04:55	255.0039	T 3091145.0000	T 2909738.0000	ID 102724.2600	T 3773702.7000	1371215.4000	29431.8830	T 3772948.4000
4	00:05:31	235.0033	T 3107867.4000	T 2926915.7000	ID 102342.1000	T 3802011.3000	1373411.9000	29115.7750	T 3798781.5000
5	00:06:08	210.0027	T 3102359.3000	T 2923344.0000	ID 103683.5300	T 3796224.8000	1383320.3000	30463.0780	T 3790291.3000
x		239.5035	T 3078462.8000	T 2903069.8000	ID 102032.9200	T 3761678.5000	1359976.5000	29404.3050	T 3764940.5000
%RSD		14.320	T 1.005	T 0.880	ID 1.280	T 1.103	1.764	2.162	T 0.916

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	00:03:42	845783.0200	T 2072213.8000	1000229.0000	553097.9800	503062.7700	126588.4000	51742.6410	60.0002
2	00:04:18	848728.6200	T 2102245.7000	1022369.7000	563076.6300	510945.5000	128125.7900	51565.7160	67.5003
3	00:04:55	863217.0500	T 2114416.8000	1022761.1000	566430.3600	514096.5400	128473.5900	52899.8730	77.5004
4	00:05:31	854854.8900	T 2105149.2000	1010268.7000	571587.7600	517215.9600	127734.8600	52341.3620	61.6669
5	00:06:08	852804.9600	T 2108272.6000	1019945.4000	571820.4400	517854.6900	128148.6400	52857.9410	79.1670
x		853077.7100	T 2100459.6000	1015114.8000	565202.6300	512635.0900	127814.2500	52281.5070	69.1670
%RSD		0.782	T 0.782	0.960	1.362	1.174	0.574	1.179	12.779

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	00:03:42	951974.8400	T 2727788.3000	36075.4170	T 2669038.2000	543457.4300	1312381.0000	1080473.4000	42.5001
2	00:04:18	970424.5000	T 2780351.6000	36660.4620	T 2727207.9000	559048.5300	1344534.4000	1107744.9000	25.0000
3	00:04:55	984301.8500	T 2822014.9000	37443.9340	T 2760608.8000	565055.3000	1364902.8000	1130472.5000	35.0001
4	00:05:31	990492.4700	T 2848691.7000	37087.3450	T 2790475.8000	571856.5500	1378625.6000	1135051.8000	45.0001
5	00:06:08	990832.0000	T 2866041.5000	37524.2950	T 2807660.7000	577116.2200	1387938.3000	1148775.3000	35.0001
x		977605.1300	T 2808977.6000	36958.2910	T 2750998.3000	563306.8000	1357676.4000	1120503.6000	36.5001
%RSD		1.692	T 1.983	1.624	T 2.003	2.313	2.219	2.393	21.442

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	00:03:42	M 1558946.0000	361382.0200	636741.1800	1627990.3000	2300308.1000	T 5465076.9000	T 1937505.9000	1520170.4000
2	00:04:18	M 1602749.4000	371865.9700	654171.6900	1688519.2000	2399776.4000	T 5678281.9000	T 2004790.1000	1583199.6000
3	00:04:55	M 1641989.9000	377302.3400	665400.5900	1729037.0000	2458641.6000	T 5819691.0000	T 2062905.0000	1630382.3000
4	00:05:31	M 1653986.8000	379778.6100	673777.7100	1748836.5000	2490977.5000	T 5912487.3000	T 2100506.6000	1647684.5000
5	00:06:08	M 1673942.8000	385170.3000	679197.2500	1760622.4000	2529627.7000	T 5980880.9000	T 2120240.6000	1675241.7000
x		M 1626323.0000	375099.8500	661857.6800	1711001.1000	2435866.2000	T 5771283.6000	T 2045189.6000	1611335.7000
%RSD		M 2.813	2.410	2.557	3.149	3.673	T 3.558	T 3.645	3.784

Run	Time	208Pb	209Bi	220Bkg
1	00:03:42	T 3837949.3000	1151670.9000	0.0000
2	00:04:18	T 3998874.9000	1196205.1000	0.0000
3	00:04:55	T 4084306.5000	1229184.6000	0.0000
4	00:05:31	T 4146961.2000	1248658.8000	0.0000
5	00:06:08	T 4210051.1000	1259626.4000	5.0000
x		T 4055628.6000	1217069.1000	1.0000
%RSD		T 3.565	3.597	223.607

S1500 07/08/2008 00:09:00

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	00:09:36	242672.6900	143.3346	1030748.8000	140728.3200	166751.8400	3110.5804	33386.7470	581712.3600
2	00:10:13	247113.7100	186.6688	1079087.4000	147473.4600	173385.1700	3420.7019	34260.2820	597804.7700
3	00:10:50	250872.7300	251.6705	1099460.3000	151876.4900	176862.1100	3568.2638	35467.8180	605380.9500
4	00:11:26	250576.5100	195.0023	1110438.0000	155436.2300	181505.3600	3340.6695	35525.5630	613259.3900
5	00:12:03	253746.9800	206.6692	1127417.1000	155879.3900	180166.7800	3385.6876	35836.8920	616640.7600
x		248996.5300	196.6691	1089430.3000	150278.7800	175734.2500	3365.1807	34895.4600	602959.6500
%RSD		1.705	19.812	3.415	4.203	3.372	4.932	2.968	2.312

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	00:09:36	240.0035	890.0475	2490.3721	ID 103483.5700	992.5591	1939157.6000	41555.8560	807.5391
2	00:10:13	260.0041	1205.0871	2777.9629	ID 106653.1500	1570.1479	T 1936851.4000	43840.0140	1195.0857
3	00:10:50	240.0035	1465.1288	3058.0610	ID 109248.9600	1912.7195	T 1979029.2000	44435.6570	1675.1684
4	00:11:26	190.0022	1275.0975	2923.0126	ID 110540.8300	1660.1654	2070620.1000	45018.7740	1445.1253
5	00:12:03	215.0028	1317.6042	2837.9832	ID 111229.9000	1547.6437	T 2006736.8000	45956.3710	1517.6382
x		229.0032	1230.5930	2817.4783	ID 108231.2800	1536.6471	T 1986479.0000	44161.3340	1328.1113
%RSD		11.799	17.295	7.487	ID 2.936	21.923	T 2.786	3.742	25.499

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	00:09:36	272.5045	1285.0991	560.0188	817.5401	161.6682	728.3652	71.6670	48.3335
2	00:10:13	452.5123	1425.1218	635.0242	787.5372	204.1692	811.7062	76.6670	52.5002
3	00:10:50	482.5140	1532.6409	705.0298	880.0465	280.8381	743.3665	89.1671	48.3335
4	00:11:26	417.5105	1425.1218	607.5221	900.0486	219.1696	760.8681	70.8336	58.3335
5	00:12:03	452.5123	1412.6197	565.0192	952.5544	230.8365	778.3697	90.0005	43.3334
x		415.5107	1416.1207	614.5228	867.5454	219.3363	764.5351	79.6671	50.1668
%RSD		20.021	6.208	9.655	7.590	19.703	4.231	11.709	11.168

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	00:09:36	951740.1700	1438.8742	5.0000	1337.6073	115.0008	275.0045	1078713.3000	15.0000
2	00:10:13	984265.3900	1513.8875	7.5000	1423.8716	146.2513	380.0087	1119541.3000	22.5000
3	00:10:50	1008958.3000	1575.1489	15.0000	1540.1423	223.7530	512.5158	1145433.8000	20.0000
4	00:11:26	1013554.0000	1533.8912	15.0000	1520.1386	190.0022	450.0122	1157677.8000	25.0000
5	00:12:03	1030481.0000	1621.4077	12.5000	1545.1432	196.2523	460.0127	1171905.9000	17.5000
x		997799.7700	1536.6419	11.0000	1473.3806	174.2519	415.5108	1134654.4000	20.0000
%RSD		3.067	4.456	41.286	6.135	24.812	22.052	3.236	19.764

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	00:09:36	2240.3011	102.5006	157.5015	1600917.2000	630.0238	1477.6310	580.0202	457.5126
2	00:10:13	2660.4246	135.0011	295.0052	1678821.3000	922.5511	2152.7780	822.5406	587.5207
3	00:10:50	2953.0231	215.0028	340.0069	1726488.2000	1178.8334	2746.7026	1022.5627	827.5411
4	00:11:26	2662.9254	152.5014	317.5061	1749819.4000	1021.3126	2492.8728	1017.5621	742.5331
5	00:12:03	2460.3631	125.0009	252.5038	1774192.3000	993.8093	2349.0810	897.5483	675.0273
x		2595.4075	146.0014	272.5047	1706047.7000	949.3060	2243.8131	868.0468	658.0270
%RSD		10.212	29.175	26.407	4.015	21.232	21.389	20.938	21.671

Run	Time	208Pb	209Bi	220Bkg
1	00:09:36	1207.5875	1129255.4000	0.0000
2	00:10:13	1705.1744	1190886.8000	0.0000
3	00:10:50	1997.7394	1222690.1000	0.0000
4	00:11:26	1840.2032	1240536.7000	0.0000
5	00:12:03	1700.1734	1255552.2000	0.0000
x		1690.1756	1207784.2000	0.0000
%RSD		17.509	4.146	0.000

S2000 07/08/2008 00:14:56

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	00:15:32	250119.7600	70.8336	T 1405861.9000	196018.6000	227231.3800	3098.0758	45023.8010	595062.2900
2	00:16:09	253039.2800	111.6674	1485004.6000	203059.2000	233809.6400	3375.6836	46891.5590	612657.4400
3	00:16:46	256287.9900	145.0013	T 1499277.6000	208414.0000	242003.6500	3543.2531	47648.3330	628220.7900
4	00:17:22	255027.7000	147.5013	T 1511725.7000	212951.5800	243532.2300	3568.2638	47794.1650	630497.1900
5	00:17:59	255164.2900	115.8341	T 1526178.7000	217075.9700	248516.1700	3580.7691	48513.3030	633374.8500
x		253927.8100	118.1676	T 1485609.7000	207503.8700	239018.6100	3433.2091	47174.2320	619962.5100
%RSD		0.957	26.318	T 3.171	3.987	3.535	5.965	2.825	2.591
Run	**Time**	**47Ti**	**51V**	**52Cr**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**
1	00:15:32	220.0029	442.5118	2420.3514	ID 140118.1700	752.5340	T 2482093.6000	56865.8640	550.0181
2	00:16:09	242.5035	552.5183	2490.3721	ID 143871.3100	1050.0662	T 2555933.6000	58461.8500	757.5344
3	00:16:46	200.0024	790.0375	2965.5276	ID 145819.7400	1412.6197	T 2614764.2000	60345.2040	1047.5658
4	00:17:22	177.5019	675.0273	2667.9270	ID 149020.6200	1217.5889	T 2645206.6000	61367.6300	945.0536
5	00:17:59	177.5019	627.5236	2430.3543	ID 151823.0300	1162.5811	T 2680065.9000	61679.9230	880.0465
x		203.5025	617.5237	2594.9065	ID 146130.5700	1119.0780	T 2595612.8000	59744.0940	836.0437
%RSD		13.806	21.118	8.854	ID 3.100	21.746	T 3.010	3.417	22.894
Run	**Time**	**60Ni**	**63Cu**	**65Cu**	**66Zn**	**75As**	**78Se**	**82Se**	**83Kr**
1	00:15:32	260.0041	915.0502	420.0106	712.5305	315.8393	750.0338	57.5002	51.6668
2	00:16:09	245.0036	925.0513	457.5126	777.5363	329.1732	753.3674	70.0003	42.5001
3	00:16:46	410.0101	1090.0713	455.0124	725.0315	356.6743	802.5386	60.0002	54.1668
4	00:17:22	350.0074	1022.5627	477.5137	810.0394	348.3406	780.8699	65.0003	65.0003
5	00:17:59	305.0056	1042.5652	460.0127	770.0356	340.0069	784.2036	60.8336	69.1670
x		314.0061	999.0602	454.0124	759.0346	338.0069	774.2027	62.6669	56.5002
%RSD		21.524	7.633	4.617	5.263	4.744	2.863	7.833	18.929
Run	**Time**	**89Y**	**107Ag**	**108Mo O**	**109Ag**	**111Cd**	**114Cd**	**115In**	**118Sn**
1	00:15:32	976910.7700	1052.5665	15.0000	1008.8111	56.2502	168.7517	1090454.1000	412.5102
2	00:16:09	1005511.6000	1041.3151	22.5000	1037.5646	87.5005	188.7521	1141225.9000	402.5097
3	00:16:46	1034233.5000	1163.8313	20.0000	1111.3241	132.5011	310.0058	1173171.9000	395.0094
4	00:17:22	1047271.0000	1202.5868	17.5000	1188.8348	110.0007	276.2546	1187941.2000	440.0116
5	00:17:59	1058608.4000	1075.0693	12.5000	1063.8179	113.7508	256.2539	1197804.8000	432.5112
x		1024507.1000	1107.0738	17.5000	1082.0705	100.0006	240.0036	1158119.6000	416.5104
%RSD		3.238	6.492	22.588	6.524	29.222	24.810	3.753	4.622
Run	**Time**	**121Sb**	**135Ba**	**137Ba**	**159Tb**	**203Tl**	**205Tl**	**206Pb**	**207Pb**
1	00:15:32	5817.0296	62.5002	135.0011	1617288.0000	632.5240	1408.8691	1692.6719	1457.6275
2	00:16:09	6384.9451	77.5004	162.5016	1694024.4000	712.5305	1732.6801	1907.7183	1532.6409
3	00:16:46	6852.8165	102.5006	225.0030	T 1823763.8000	1046.3157	2419.1011	2220.2957	1687.6709
4	00:17:22	6715.2045	137.5011	175.0018	T 1866060.2000	882.5467	2162.7806	2025.2461	1757.6853
5	00:17:59	6620.1285	92.5005	150.0014	T 1878355.7000	925.0513	1972.7335	2077.7590	1570.1479
x		6478.0249	94.5006	169.5018	T 1775898.4000	839.7936	1939.2329	1984.7382	1601.1545
%RSD		6.282	30.071	20.288	T 6.468	19.828	20.060	9.982	7.536
Run	**Time**	**208Pb**	**209Bi**	**220Bkg**					
1	00:15:32	3353.1745	1125307.2000	0.0000					
2	00:16:09	3855.8919	1190209.5000	0.0000					
3	00:16:46	4353.6370	1231606.1000	0.0000					
4	00:17:22	4141.0286	1254167.6000	0.0000					
5	00:17:59	4271.0943	1271965.6000	0.0000					
x		3994.9652	1214651.2000	0.0000					
%RSD		10.148	4.821	0.000					

ICV 07/08/2008 00:20:52

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	00:21:28	249626.1200	56319.6730	865407.7400	121240.5900	139497.8900	1236921.3000	46348.5340	595877.5600
2	00:22:05	248569.3900	56406.9270	889413.8600	125371.0300	144532.6000	1241183.2000	48048.1190	607154.5200
3	00:22:42	252138.4100	57162.0470	913096.4100	127274.5600	147646.4800	1272304.5000	48364.9440	616768.4600
4	00:23:18	250551.6200	57140.2310	928976.0300	130316.0300	150664.7900	1286774.3000	48412.7200	624242.9000
5	00:23:55	252921.6200	57725.0740	940340.9800	129366.4100	150751.3300	1287374.8000	48842.7180	628479.2300
x		250761.4300	56950.7910	907447.0000	126713.7200	146618.6200	1264911.6000	48003.4070	614504.5300
%RSD		0.711	1.029	3.338	2.848	3.227	1.930	2.015	2.147

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	00:21:28	252.5038	317230.3200	296331.7100	D 76320.3950	377806.9500	1390559.9000	30829.4220	379702.7700
2	00:22:05	282.5048	321398.0500	296616.5800	D 77872.1520	385042.0800	1429308.8000	30578.5000	384254.4400
3	00:22:42	230.0032	323411.2300	299812.9600	D 79941.6090	391340.5400	1453508.0000	31785.5040	388321.6200
4	00:23:18	212.5027	326108.3500	305221.5900	D 79878.5090	394997.1400	1472970.3000	31767.9370	391864.3100
5	00:23:55	240.0035	328101.8500	305568.9800	D 81486.4640	398010.5600	1490296.3000	31938.5870	394625.1200
x		243.5036	323249.9600	300710.3600	D 79099.8260	389439.4500	1447328.7000	31379.9900	387753.6500
%RSD		10.783	1.307	1.494	D 2.548	2.081	2.696	1.998	1.534

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	00:21:28	86857.8100	210485.0900	101638.5700	116825.6900	103116.5600	27209.3490	11135.7690	52.5002
2	00:22:05	86564.7850	213359.3100	102625.5500	117700.3700	104645.4400	27914.1740	11257.5990	60.8336
3	00:22:42	88267.5060	213764.5000	104248.0100	120804.3200	105253.0200	27876.5480	11354.3970	50.0001
4	00:23:18	88254.8740	218238.2400	105296.0600	121659.1200	106892.0200	28214.3490	11311.0040	59.1669
5	00:23:55	90476.0030	221364.0900	105845.4500	123843.4400	107203.4800	28374.8930	11603.9070	60.0002
x		88084.1950	215442.2400	103930.7300	120166.5900	105422.1000	27917.8620	11332.5350	56.5002
%RSD		1.758	2.005	1.707	2.405	1.593	1.602	1.521	8.688

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	00:21:28	979544.7200	268532.9900	3800.8666	262483.5100	54732.9030	129092.2000	1100866.6000	22.5000
2	00:22:05	1008873.9000	277888.5900	3763.3496	269906.3100	56480.7580	133187.1400	1136124.3000	30.0001
3	00:22:42	1021986.7000	282919.9600	3898.4116	276162.6100	58047.7210	137655.1200	1160102.9000	25.0000
4	00:23:18	1037502.4000	285927.5400	3983.4518	280524.7400	58515.9780	138295.6000	1180444.5000	30.0001
5	00:23:55	1038845.2000	289247.9800	3988.4542	282335.6300	59220.9320	140662.2200	1194789.4000	37.5001
x		1017350.6000	280903.4100	3886.9068	274282.5600	57399.6580	135778.4600	1154465.5000	29.0001
%RSD		2.403	2.876	2.650	2.972	3.133	3.398	3.224	19.846

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	00:21:28	303228.2600	36100.5260	64443.2160	1627309.6000	452498.0400	1103689.7000	362966.1900	303321.5700
2	00:22:05	319073.7400	37690.0400	66143.9640	1706217.1000	477927.8600	1166364.5000	383032.5800	318338.9200
3	00:22:42	329016.8900	38395.7510	68762.5310	1775836.0000	492459.6300	1204887.7000	400201.8500	331390.7300
4	00:23:18	334277.6700	39096.4980	68601.2100	1799289.5000	502779.3300	1229210.5000	404368.4400	336491.6500
5	00:23:55	337272.2800	40284.6360	69067.5380	T 1889735.3000	510451.5600	1248417.6000	411214.0200	343077.1800
x		324573.7700	38313.4900	67403.6920	T 1759677.5000	487223.2800	1190514.0000	392356.6100	326524.0100
%RSD		4.250	4.084	3.004	T 5.620	4.704	4.821	4.956	4.848

Run	Time	208Pb	209Bi	220Bkg
1	00:21:28	760584.4900	1133323.6000	0.0000
2	00:22:05	805052.2600	1204069.9000	2.5000
3	00:22:42	832312.7100	1240746.0000	0.0000
4	00:23:18	845426.9700	1262354.1000	0.0000
5	00:23:55	861261.9400	1285689.4000	0.0000
x		820927.6700	1225236.6000	0.5000
%RSD		4.815	4.858	223.607

ICB 07/08/2008 00:26:48

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	00:27:25	248838.0700	30.0001	335.0067	40.0001	90.0005	1272.5972	485.0141	605803.8400
2	00:28:02	251839.5800	23.3334	475.0135	65.0003	60.0002	1275.0975	452.5123	625511.7000
3	00:28:39	254788.8900	50.0001	710.0303	210.0027	120.0009	1737.6812	455.0124	634843.0000
4	00:29:15	255511.3500	52.5002	1030.0637	95.0005	155.0014	1672.6679	417.5105	640382.4500
5	00:29:52	256536.3000	67.5003	1120.0753	180.0019	205.0025	1842.7037	475.0135	643794.6700
x		253502.8400	44.6668	734.0379	118.0011	126.0011	1560.1495	457.0126	630067.1300
%RSD		1.238	40.071	46.377	62.463	44.843	17.198	5.677	2.416
Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	00:27:25	335.0067	230.0032	1625.1585	ID 3840.8849	240.0035	170340.8500	1562.6465	135.0011
2	00:28:02	220.0029	247.5037	1710.1755	ID 3538.2510	305.0056	173523.0000	1447.6257	180.0019
3	00:28:39	197.5023	267.5043	1842.7037	ID 3700.8216	430.0111	174459.7500	1405.1185	280.0047
4	00:29:15	195.0023	380.0087	1822.6993	ID 3808.3700	427.5110	176693.5900	1497.6346	297.5053
5	00:29:52	232.5032	435.0114	1872.7104	ID 3950.9364	555.0185	176836.5700	1545.1432	437.5115
x		236.0035	312.0062	1774.6895	ID 3767.8528	391.5099	174370.7500	1491.6337	266.0049
%RSD		24.372	28.943	5.846	ID 4.148	31.270	1.529	4.417	44.147
Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	00:27:25	70.0003	495.0147	152.5014	150.0014	31.6667	806.7057	48.3335	64.1669
2	00:28:02	62.5002	400.0096	142.5012	105.0007	46.6668	830.0413	65.8336	55.0002
3	00:28:39	120.0009	520.0162	202.5025	207.5026	63.3336	780.8699	59.1669	65.0003
4	00:29:15	142.5012	550.0181	155.0014	210.0027	78.3337	815.8733	68.3336	55.8335
5	00:29:52	137.5011	510.0156	225.0030	240.0035	99.1673	760.8681	56.6669	69.1670
x		106.5008	495.0149	175.5019	182.5021	63.8336	798.8717	59.6669	61.8336
%RSD		35.469	11.473	20.579	29.698	41.362	3.479	13.272	9.968
Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	00:27:25	1001580.2000	112.5008	12.5000	87.5005	13.7500	31.2501	1133041.3000	10.0000
2	00:28:02	1038046.8000	97.5006	7.5000	87.5005	11.2500	46.2501	1179346.7000	15.0000
3	00:28:39	1051790.7000	127.5010	7.5000	118.7509	25.0000	83.7504	1204042.6000	15.0000
4	00:29:15	1059866.8000	127.5010	7.5000	110.0007	52.5002	106.2507	1209686.6000	15.0000
5	00:29:52	1065629.4000	138.7512	2.5000	136.2511	66.2503	153.7514	1211656.9000	17.5000
x		1043382.8000	120.7509	7.5000	108.0007	33.7501	84.2505	1187554.8000	14.5000
%RSD		2.450	13.249	47.140	19.412	72.436	58.050	2.787	18.887
Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	00:27:25	672.5271	12.5000	10.0000	1690111.3000	178.7519	378.7586	60.0002	70.0003
2	00:28:02	825.0408	25.0000	37.5001	1769079.4000	217.5028	440.0116	112.5008	87.5005
3	00:28:39	862.5446	35.0001	32.5001	T 1889955.8000	343.7571	855.0439	212.5027	152.5014
4	00:29:15	817.5401	15.0000	47.5001	T 1915038.5000	405.0098	933.8023	230.0032	260.0041
5	00:29:52	845.0428	47.5001	97.5006	T 1915377.7000	440.0116	1055.0668	310.0058	240.0035
x		804.5391	27.0001	45.0002	T 1835912.5000	317.0067	732.5366	185.0025	162.0019
%RSD		9.430	53.752	72.008	T 5.529	36.176	41.534	53.571	53.274
Run	Time	208Pb	209Bi	220Bkg					
1	00:27:25	220.0029	1181023.6000	0.0000					
2	00:28:02	227.5031	1242558.6000	0.0000					
3	00:28:39	442.5118	1275167.9000	0.0000					
4	00:29:15	540.0175	1294287.9000	0.0000					
5	00:29:52	655.0257	1296889.7000	0.0000					
x		417.0122	1257985.6000	0.0000					
%RSD		45.995	3.830	0.000					

CRII 07/08/2008 00:32:44

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	00:33:21	253136.3300	579.1868	335.0067	35.0001	105.0007	35525.5630	492.5146	604548.6700
2	00:33:58	256451.2400	625.0234	415.0103	10.0000	140.0012	36705.6610	465.0130	621009.1900
3	00:34:34	255993.3100	590.8543	705.0298	100.0006	170.0017	36243.6450	492.5146	629105.1600
4	00:35:11	256502.7900	662.5263	845.0428	125.0009	190.0022	37388.6870	537.5173	632945.2300
5	00:35:48	257398.9600	611.6891	765.0351	80.0004	125.0009	37255.5930	482.5140	642380.2700
x		255896.5200	613.8560	613.0250	70.0004	146.0013	36623.8300	494.0147	625997.7000
%RSD		0.635	5.297	36.650	67.196	23.403	2.089	5.422	2.275

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	00:33:21	240.0035	16160.6550	7445.8249	ID 3433.2071	3888.4070	169613.7400	1535.1414	3775.8552
2	00:33:58	197.5023	16148.1310	7590.9558	ID 3793.3632	4111.0138	171080.7700	1542.6428	3895.9105
3	00:34:34	222.5030	16503.8260	8028.8659	ID 3648.2984	4288.6032	173048.2800	1642.6619	4268.5930
4	00:35:11	212.5027	16664.1450	7986.3251	ID 3688.3160	4341.1304	175161.7500	1412.6197	4038.4783
5	00:35:48	227.5031	16611.5400	8026.3635	ID 3898.4116	4448.6871	176430.6000	1452.6266	4173.5448
x		220.0029	16417.6590	7815.6670	ID 3692.3193	4215.5683	173067.0300	1517.1385	4030.4764
%RSD		7.276	1.506	3.540	ID 4.726	5.216	1.623	5.879	4.965

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	00:33:21	897.5483	4558.7466	2082.7602	1247.5934	543.3511	1446.7922	328.3398	56.6669
2	00:33:58	962.5556	4598.7686	2247.8031	1250.0938	569.1861	1398.4507	339.1736	52.5002
3	00:34:34	975.0570	4768.8641	2287.8140	1375.1134	587.5207	1460.9614	328.3398	64.1669
4	00:35:11	982.5579	4991.4945	2122.7703	1375.1134	589.1875	1406.7854	368.3415	55.0002
5	00:35:48	980.0576	4718.8357	2277.8113	1452.6266	566.6859	1453.4601	340.0069	51.6668
x		959.5553	4727.3419	2203.7918	1340.1081	571.1863	1433.2900	340.8403	56.0002
%RSD		3.701	3.611	4.286	6.651	3.264	1.995	4.804	8.891

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	00:33:21	987973.0600	2686.6830	32.5001	2642.9190	560.0188	1225.0900	1109340.1000	25.0000
2	00:33:58	1021831.8000	2799.2201	50.0001	2771.7109	613.7726	1376.3637	1150018.0000	12.5000
3	00:34:34	1035759.2000	2894.2525	32.5001	2822.9781	613.7726	1392.6164	1171831.5000	15.0000
4	00:35:11	1048191.7000	3001.7905	37.5001	2891.7516	630.0238	1463.8786	1187157.9000	20.0000
5	00:35:48	1061544.0000	3001.7905	62.5002	2870.4943	617.5229	1428.8725	1203108.5000	20.0000
x		1031060.0000	2876.7473	43.0001	2799.9708	607.0221	1377.3642	1164291.2000	18.5000
%RSD		2.737	4.719	30.322	3.544	4.466	6.650	3.129	26.343

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	00:33:21	3278.1446	3423.2030	6585.1008	1642774.3000	2249.0535	5375.4832	1815.1977	1380.1143
2	00:33:58	3480.7268	3783.3586	6730.2167	1713785.0000	2270.3092	5495.5615	1857.7070	1600.1536
3	00:34:34	3430.7060	4083.5003	6522.5516	1737705.9000	2596.6545	6018.4225	2017.7442	1635.1604
4	00:35:11	3630.7908	3828.3792	6885.3433	1778710.8000	2676.6798	6227.3259	2192.7885	1657.6649
5	00:35:48	3575.7670	3933.4281	6977.9203	T 1881730.5000	2555.3917	6277.3634	2280.3119	1715.1765
x		3479.2271	3810.3738	6740.2265	T 1750941.3000	2469.6177	5878.8313	2032.7499	1597.6539
%RSD		3.938	6.438	2.864	T 5.039	7.964	7.116	9.994	8.049

Run	Time	208Pb	209Bi	220Bkg
1	00:33:21	3818.3746	1138208.2000	0.0000
2	00:33:58	3935.9293	1197655.4000	2.5000
3	00:34:34	4288.6032	1226078.0000	0.0000
4	00:35:11	4233.5751	1253984.1000	0.0000
5	00:35:48	4248.5828	1268834.0000	0.0000
x		4105.0130	1216951.9000	0.5000
%RSD		5.191	4.254	223.607

ICSA 07/08/2008 00:38:38

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	00:39:14	219205.6400	152.5014	TM 64093027.0000	TM 8850385.8000	TM 10263377.0000	TM 203176960.0000	TM 2225882.1000	523541.1000
2	00:39:51	221894.5800	160.0015	TM 67424441.0000	TM 9478058.1000	TM 10905416.0000	TM 212076680.0000	TM 2338130.7000	548443.7200
3	00:40:28	227019.0400	190.0022	TM 70025209.0000	TM 9796849.3000	TM 11327688.0000	TM 216894080.0000	TM 2413134.2000	561258.6700
4	00:41:04	226427.4300	194.1689	TM 71769769.0000	TM 9986441.3000	TM 11604498.0000	TM 219765570.0000	TM 2461689.4000	574075.3300
5	00:41:41	229045.0300	172.5018	TM 73333909.0000	TM 10197913.0000	TM 11913232.0000	TM 221054020.0000	TM 2531638.4000	580413.8400
x		224718.3400	173.8352	TM 69329271.0000	TM 9661929.6000	TM 11202842.0000	TM 214593460.0000	TM 2394095.0000	557546.5300
%RSD		1.798	10.462	TM 5.276	TM 5.435	TM 5.738	TM 3.380	TM 4.910	4.060
Run	**Time**	**47Ti**	**51V**	**52Cr**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**
1	00:39:14	440642.3700	8687.0255	56473.2070	ITD 6512561.2000	26113.3500	TM 106324540.0000	TM 2698459.1000	5196.6198
2	00:39:51	454787.7800	8589.4244	58507.1670	ITD 6878720.3000	27848.9560	TM 113272750.0000	TM 2859143.2000	5139.0841
3	00:40:28	463229.2100	8319.1504	60146.2740	ITD 7115323.6000	28674.2480	TM 116982340.0000	TM 2948053.8000	5554.3504
4	00:41:04	467048.8100	8171.5044	60692.7140	ITD 7321461.0000	29058.0740	TM 119621820.0000	TM 3013322.1000	5484.3041
5	00:41:41	475994.2700	8651.9891	60478.6670	ITD 7481032.5000	29389.2320	TM 121985020.0000	TM 3078496.3000	5421.7632
x		460340.4900	8483.8188	59259.6060	ITD 7061819.7000	28216.7720	TM 115637300.0000	TM 2919494.9000	5359.2243
%RSD		2.909	2.671	3.002	ITD 5.398	4.638	TM 5.301	TM 5.063	3.396
Run	**Time**	**60Ni**	**63Cu**	**65Cu**	**66Zn**	**75As**	**78Se**	**82Se**	**83Kr**
1	00:39:14	6044.6915	15860.0780	8884.7338	6907.8619	538.3507	817.5401	65.8336	210.8360
2	00:39:51	6302.3823	16894.6080	9069.9331	7363.2516	508.3488	848.3765	65.8336	200.8358
3	00:40:28	6002.1608	17222.7790	9177.5509	7273.1726	604.1886	880.8799	66.6669	211.6694
4	00:41:04	6362.4279	17706.2910	9232.6116	7570.9376	625.0234	915.8837	70.8336	222.5030
5	00:41:41	6302.3823	17763.9130	9550.4696	8096.4312	615.0227	939.2196	81.6671	210.0027
x		6202.8090	17089.5340	9183.0598	7442.3310	578.1869	880.3800	70.1670	211.1694
%RSD		2.680	4.535	2.663	5.876	8.941	5.592	9.627	3.645
Run	**Time**	**89Y**	**107Ag**	**108Mo O**	**109Ag**	**111Cd**	**114Cd**	**115In**	**118Sn**
1	00:39:14	824899.6400	241.2535	1722.6780	250.0038	2001.4903	3250.6339	993197.8400	205.0025
2	00:39:51	870756.7500	192.5022	1647.6629	228.7531	1907.7183	3155.5974	1045415.8000	227.5031
3	00:40:28	903222.3100	256.2539	1615.1565	287.5050	1962.7311	3365.6795	1091024.6000	245.0036
4	00:41:04	926549.3600	265.0042	1560.1460	296.2553	1880.2121	3368.1805	1121836.4000	225.0030
5	00:41:41	942397.4900	221.2529	1610.1555	277.5046	1867.7093	3259.3873	1145405.3000	257.5040
x		893565.1100	235.2534	1631.1598	268.0044	1923.9722	3279.8957	1079376.0000	232.0033
%RSD		5.249	12.367	3.677	10.443	2.947	2.722	5.650	8.668
Run	**Time**	**121Sb**	**135Ba**	**137Ba**	**159Tb**	**203Tl**	**205Tl**	**206Pb**	**207Pb**
1	00:39:14	1752.6843	470.0133	917.5505	1451640.6000	96.2506	231.2532	7440.8205	5529.3338
2	00:39:51	1887.7138	535.0172	942.5533	1548315.4000	97.5006	196.2523	7916.2582	6079.7170
3	00:40:28	2092.7627	535.0172	1012.5615	1620700.5000	226.2531	518.7662	8354.1854	6319.8956
4	00:41:04	2175.2839	525.0165	940.0530	1680438.9000	226.2531	532.5170	8599.4347	6787.7633
5	00:41:41	2000.2400	577.5200	1010.0612	1725587.0000	170.0017	437.5115	8747.0883	6660.1604
x		1981.7369	528.5168	964.5559	1605336.5000	163.2518	383.2600	8211.5574	6275.3740
%RSD		8.422	7.279	4.540	6.767	39.693	41.596	6.498	7.997
Run	**Time**	**208Pb**	**209Bi**	**220Bkg**					
1	00:39:14	14750.5430	975930.2400	0.0000					
2	00:39:51	15557.0080	1044002.8000	0.0000					
3	00:40:28	16160.6550	1094090.1000	0.0000					
4	00:41:04	17147.6240	1137890.1000	0.0000					
5	00:41:41	17195.2220	1169366.0000	0.0000					
x		16162.2100	1084255.9000	0.0000					
%RSD		6.487	7.080	0.000					

ICSAB 07/08/2008 00:44:33

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	00:45:11	228335.1000	10199.5710	TM 70640276.0000	TM 9932055.3000	TM 11570999.0000	TM 219416460.0000	TM 2455546.5000	574457.8900
2	00:45:49	228875.4600	10104.4560	TM 73050247.0000	TM 10206067.0000	TM 11808687.0000	TM 222887730.0000	TM 2529511.5000	587152.2000
3	00:46:26	229179.4800	10206.2460	TM 74793198.0000	TM 10417799.0000	TM 12115430.0000	TM 225286320.0000	TM 2581532.3000	593928.0000
4	00:47:02	235143.0500	10252.9700	TM 75364862.0000	TM 10437316.0000	TM 12165974.0000	TM 225444880.0000	TM 2594818.9000	600256.9700
5	00:47:39	233133.5900	10351.4250	TM 75157211.0000	TM 10516119.0000	TM 12197110.0000	TM 226646890.0000	TM 2618714.9000	601944.9500
x		230933.3400	10222.9340	TM 73801159.0000	TM 10301871.0000	TM 11971640.0000	TM 223936460.0000	TM 2556024.8000	591548.0000
%RSD		1.310	0.879	TM 2.695	TM 2.295	TM 2.274	TM 1.282	TM 2.542	1.892
Run	**Time**	**47Ti**	**51V**	**52Cr**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**
1	00:45:11	474108.7000	70933.1110	118699.3900	ITD 7230513.8000	102676.1700	TM 117724620.0000	TM 2991816.9000	77874.6760
2	00:45:49	478959.6400	72135.8700	120763.7400	ITD 7495649.8000	105731.5200	TM 122461060.0000	TM 3105834.7000	80055.1920
3	00:46:26	483281.2400	73331.2350	120794.1700	ITD 7616374.4000	107425.4800	TM 124187000.0000	TM 3127366.8000	79987.0420
4	00:47:02	484949.0700	72766.3150	123023.9400	ITD 7660702.7000	107800.2700	TM 125093450.0000	TM 3146546.8000	80067.8120
5	00:47:39	484356.0300	73681.8070	122156.3200	ITD 7698106.4000	108332.1000	TM 126198200.0000	TM 3185713.1000	81867.6730
x		481130.9400	72569.6670	121087.5100	ITD 7540269.4000	106393.1100	TM 123132860.0000	TM 3111455.7000	79970.4790
%RSD		0.950	1.497	1.356	ITD 2.509	2.157	TM 2.695	TM 2.348	1.769
Run	**Time**	**60Ni**	**63Cu**	**65Cu**	**66Zn**	**75As**	**78Se**	**82Se**	**83Kr**
1	00:45:11	22161.9300	55073.8890	27264.5280	16458.7370	10064.4070	3313.9922	1031.7305	206.6692
2	00:45:49	22442.6800	55212.3000	27477.7270	16912.1440	10459.0590	3263.9724	1016.7287	162.5016
3	00:46:26	22086.7310	56156.0750	27540.4330	16736.7900	10224.6020	3380.6856	1040.8983	195.0023
4	00:47:02	22946.5490	56478.2410	27605.6490	17240.3150	10377.2910	3412.3652	1059.2340	210.0027
5	00:47:39	22512.8690	57170.4370	27884.0730	16882.0830	10382.2970	3323.9961	1041.7318	206.6692
x		22430.1520	56018.1880	27554.4820	16846.0140	10301.5310	3339.0023	1038.0647	196.1690
%RSD		1.518	1.571	0.814	1.687	1.529	1.746	1.496	10.024
Run	**Time**	**89Y**	**107Ag**	**108Mo O**	**109Ag**	**111Cd**	**114Cd**	**115In**	**118Sn**
1	00:45:11	931119.0800	49490.2720	2295.3161	48377.5170	12385.4470	27638.2570	1122252.2000	230.0032
2	00:45:49	955487.2800	51099.9430	2257.8058	49949.2480	12764.7690	28499.9010	1165681.9000	240.0035
3	00:46:26	970645.6700	51712.4540	2407.8478	50540.2960	12798.5710	28812.2230	1177331.9000	242.5035
4	00:47:02	971482.8200	51702.3920	2430.3543	50477.4170	12738.4790	29122.0470	1185445.4000	202.5025
5	00:47:39	979810.9600	51681.0100	2402.8464	51229.4850	12648.3420	28843.5810	1187691.5000	272.5045
x		961709.1600	51137.2140	2358.8341	50114.7930	12667.1210	28583.2020	1167680.6000	237.5034
%RSD		1.998	1.871	3.263	2.140	1.319	2.002	2.297	10.605
Run	**Time**	**121Sb**	**135Ba**	**137Ba**	**159Tb**	**203Tl**	**205Tl**	**206Pb**	**207Pb**
1	00:45:11	33238.6570	8264.0957	14254.6810	T 1758962.5000	45968.9400	109094.4500	45061.5040	37205.3690
2	00:45:49	34039.3790	8534.3679	15193.8390	1750481.8000	47850.7380	116032.2200	47992.8020	39299.9510
3	00:46:26	35513.0100	8837.1833	15263.9670	1796527.9000	49885.1160	119455.0800	47937.4850	40176.6170
4	00:47:02	35618.4580	8797.1409	15489.3820	1794218.0000	49616.0170	118653.7500	48623.9450	40302.2210
5	00:47:39	35309.6480	8804.6489	15399.2150	1803037.4000	49614.7590	120099.2400	48666.6930	40073.6230
x		34743.8300	8647.4873	15120.2170	T 1780645.5000	48587.1140	116666.9500	47656.4860	39411.5560
%RSD		3.032	2.849	3.289	T 1.352	3.443	3.863	3.127	3.283
Run	**Time**	**208Pb**	**209Bi**	**220Bkg**					
1	00:45:11	93349.9400	1114351.0000	0.0000					
2	00:45:49	97327.5590	1171996.1000	0.0000					
3	00:46:26	99406.8880	1201101.3000	2.5000					
4	00:47:02	100532.7700	1206366.8000	0.0000					
5	00:47:39	99325.9320	1208567.8000	0.0000					
x		97988.6190	1180476.6000	0.5000					
%RSD		2.897	3.370	223.607					

CCV 07/08/2008 00:50:30

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	00:51:07	245279.8800	143912.8500	767010.3100	107271.0100	125036.0600	660794.8800	24192.5660	632448.2900
2	00:51:44	243158.2100	143910.3100	786530.0600	110761.2200	129010.9600	669935.7300	24368.0760	645561.2900
3	00:52:20	245943.1700	145941.8500	799545.5600	111541.5300	129442.5800	679638.6500	25371.0630	650716.2500
4	00:52:57	250561.0600	146538.8600	809462.8600	113974.1100	132952.1800	684701.4700	25513.9980	657359.7500
5	00:53:33	250228.8000	147222.4100	820789.4900	114785.1300	134273.1100	688571.6800	25819.9380	661070.5000
x		247034.2200	145505.2500	796667.6600	111666.6000	130142.9800	676728.4800	25053.1280	649431.2200
%RSD		1.311	1.047	2.615	2.657	2.792	1.672	2.900	1.727
Run	**Time**	**47Ti**	**51V**	**52Cr**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**
1	00:51:07	430.0111	832756.4200	788517.8900	ID 86486.4780	1016750.5000	1501991.1000	32397.8550	1009948.1000
2	00:51:44	362.5079	852343.6500	798656.0200	ID 89351.4670	1037587.0000	1547079.2000	33243.6770	1027265.5000
3	00:52:20	380.0087	852404.4200	805538.5500	ID 90759.0560	1042770.6000	1574762.5000	33610.1420	1036653.3000
4	00:52:57	370.0082	860261.0500	812860.9600	ID 92260.4070	1050174.6000	1591617.5000	33760.7490	1051578.8000
5	00:53:33	360.0078	864951.3000	814728.2800	ID 91709.3750	1066390.7000	1596074.1000	34097.1140	1055334.5000
x		380.5087	852543.3700	804060.3400	ID 90113.3560	1042734.7000	1562304.9000	33421.9070	1036156.0000
%RSD		7.555	1.443	1.340	ID 2.561	1.740	2.484	1.943	1.787
Run	**Time**	**60Ni**	**63Cu**	**65Cu**	**66Zn**	**75As**	**78Se**	**82Se**	**83Kr**
1	00:51:07	227832.4600	558917.6700	268011.6100	150361.8900	136447.1700	35844.4240	14320.6280	68.3336
2	00:51:44	228919.1400	562146.9000	271964.1200	155527.9200	138529.4300	36168.3190	14268.8720	67.5003
3	00:52:20	231776.5100	572382.1000	275127.9700	156292.0200	139783.4500	36323.1570	14641.1840	59.1669
4	00:52:57	234640.0000	577320.9500	278592.7700	159774.6300	142061.4900	36943.3740	14786.4400	58.3335
5	00:53:33	235233.8900	575999.0100	277980.3200	158559.2500	142479.3600	36821.1690	14662.8890	70.8336
x		231680.4000	569353.3300	274335.3600	156103.1400	139860.1800	36420.0890	14536.0020	64.8336
%RSD		1.429	1.463	1.606	2.328	1.792	1.257	1.567	8.784
Run	**Time**	**89Y**	**107Ag**	**108Mo O**	**109Ag**	**111Cd**	**114Cd**	**115In**	**118Sn**
1	00:51:07	1043899.7000	733228.0800	9960.9497	719197.1200	146984.9400	349047.6000	1182485.8000	22.5000
2	00:51:44	1073760.7000	752704.9800	9878.3514	736229.9800	152061.0600	360541.7700	1221293.3000	25.0000
3	00:52:20	1091243.1000	770508.2200	10308.8720	750743.0500	155997.8300	368232.3400	1249993.4000	35.0001
4	00:52:57	1104691.6000	777971.1000	10391.4750	759473.4400	157345.3100	372209.5700	1269180.0000	22.5000
5	00:53:33	1111225.8000	781407.6500	10393.9780	764223.3800	157549.1100	374422.9900	1280751.1000	22.5000
x		1084964.2000	763164.0100	10186.7250	745973.3900	153987.6500	364890.8500	1240740.7000	25.5000
%RSD		2.495	2.630	2.434	2.463	2.918	2.827	3.190	21.254
Run	**Time**	**121Sb**	**135Ba**	**137Ba**	**159Tb**	**203Tl**	**205Tl**	**206Pb**	**207Pb**
1	00:51:07	409075.0100	98195.1490	170269.4100	1788189.8000	594567.5300	1455881.2000	500833.4900	396459.1700
2	00:51:44	424430.0400	100757.9700	178442.7700	T 1921313.4000	619071.4200	1517890.4000	521670.3200	414277.8100
3	00:52:20	437956.1700	104134.0900	181722.5100	T 1977245.0000	635216.1300	1566961.5000	540273.8400	427235.5900
4	00:52:57	445914.5100	105055.5500	185678.2900	T 2013266.5000	651500.3500	1595592.3000	550685.8300	435297.1400
5	00:53:33	449217.5100	105698.6100	185951.7900	T 2040757.4000	656722.3100	1616788.6000	555478.7700	440421.1200
x		433318.6500	102768.2700	180412.9600	T 1948154.4000	631415.5500	1550622.8000	533788.4500	422738.1700
%RSD		3.826	3.102	3.580	T 5.131	4.013	4.169	4.221	4.186
Run	**Time**	**208Pb**	**209Bi**	**220Bkg**					
1	00:51:07	1019494.9000	1249451.7000	0.0000					
2	00:51:44	1069730.9000	1297955.6000	5.0000					
3	00:52:20	1099130.8000	1337004.9000	0.0000					
4	00:52:57	1123217.7000	1366786.0000	2.5000					
5	00:53:33	1136577.8000	1380806.3000	0.0000					
x		1089630.4000	1326400.9000	1.5000					
%RSD		4.289	4.031	149.071					

CCB 07/08/2008 00:56:25

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	00:57:01	243531.3700	31.6667	9470.3782	1480.1314	1675.1684	32332.6020	870.0454	642248.1500
2	00:57:38	250204.7600	47.5001	11623.1000	1785.1912	1740.1817	37069.7670	820.0404	660896.2100
3	00:58:15	249984.1200	51.6668	12804.8300	1845.2043	2035.2485	39380.3290	985.0582	669623.3000
4	00:58:51	250566.2100	71.6670	13110.3050	1850.2054	2175.2839	40606.1910	1057.5671	674534.1300
5	00:59:28	254484.8100	74.1670	12118.8060	1825.1999	2205.2918	39601.3730	995.0594	686434.4500
x		249754.2500	55.3335	11825.4840	1757.1864	1966.2348	37798.0530	945.5541	666747.2500
%RSD		1.577	32.029	12.169	8.934	12.495	8.779	10.310	2.477
Run	**Time**	**47Ti**	**51V**	**52Cr**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**
1	00:57:01	372.5083	357.5077	2020.2449	ID 4666.3061	307.5057	202769.7800	1835.2021	160.0015
2	00:57:38	377.5086	505.0153	1990.2376	ID 5024.0140	470.0133	211349.0400	2065.2559	285.0049
3	00:58:15	337.5068	562.5190	2202.7911	ID 5264.1622	570.0195	215975.4200	1957.7299	370.0082
4	00:58:51	320.0061	635.0242	2072.7577	ID 5274.1685	647.5252	218135.6000	1982.7358	500.0150
5	00:59:28	320.0061	562.5190	2175.2839	ID 5311.6923	500.0150	216352.5100	2080.2596	357.5077
x		345.5072	524.5170	2092.2630	ID 5108.0686	499.0157	212916.4700	1984.2367	334.5075
%RSD		8.080	19.853	4.476	ID 5.322	25.470	2.912	4.957	37.244
Run	**Time**	**60Ni**	**63Cu**	**65Cu**	**66Zn**	**75As**	**78Se**	**82Se**	**83Kr**
1	00:57:01	102.5006	762.5349	227.5031	257.5040	36.6667	1003.3937	69.1670	50.0001
2	00:57:38	130.0010	935.0525	235.0033	277.5046	67.5003	1079.2365	65.0003	51.6668
3	00:58:15	140.0012	915.0502	337.5068	282.5048	73.3337	1091.7382	64.1669	55.0002
4	00:58:51	157.5015	927.5516	252.5038	312.5059	75.0003	1031.7305	74.1670	57.5002
5	00:59:28	132.5011	850.0434	205.0025	277.5046	50.8335	1193.4188	77.5004	58.3335
x		132.5011	878.0465	251.5039	281.5048	60.6669	1079.9036	70.0003	54.5002
%RSD		15.035	8.291	20.282	7.038	27.151	6.742	8.248	6.630
Run	**Time**	**89Y**	**107Ag**	**108Mo O**	**109Ag**	**111Cd**	**114Cd**	**115In**	**118Sn**
1	00:57:01	1054170.0000	136.2511	5.0000	135.0011	23.7500	43.7501	1188104.7000	25.0000
2	00:57:38	1090743.6000	170.0017	7.5000	161.2516	42.5001	120.0009	1240987.0000	17.5000
3	00:58:15	1124260.3000	185.0021	2.5000	160.0015	71.2503	131.2510	1273506.5000	17.5000
4	00:58:51	1133891.1000	175.0018	7.5000	138.7512	67.5003	133.7511	1288459.9000	25.0000
5	00:59:28	1137348.1000	180.0019	7.5000	178.7519	40.0001	115.0008	1293152.8000	20.0000
x		1108082.6000	169.2517	6.0000	154.7515	49.0002	108.7508	1256842.2000	21.0000
%RSD		3.188	11.389	37.268	11.613	40.793	34.165	3.462	18.054
Run	**Time**	**121Sb**	**135Ba**	**137Ba**	**159Tb**	**203Tl**	**205Tl**	**206Pb**	**207Pb**
1	00:57:01	757.5344	15.0000	25.0000	T 1870350.9000	192.5022	467.5131	127.5010	122.5009
2	00:57:38	912.5500	47.5001	75.0003	T 1954163.5000	341.2570	763.7850	190.0022	165.0016
3	00:58:15	887.5473	35.0001	85.0004	T 1999258.1000	417.5105	868.7953	312.5059	222.5030
4	00:58:51	830.0413	52.5002	72.5003	T 2020711.6000	350.0074	968.8063	230.0032	222.5030
5	00:59:28	837.5421	42.5001	75.0003	T 2033583.7000	337.5068	827.5411	252.5038	192.5022
x		845.0430	38.5001	66.5003	T 1975613.6000	327.7568	779.2882	222.5032	185.0021
%RSD		7.076	38.030	35.625	T 3.347	25.123	24.322	31.088	22.894
Run	**Time**	**208Pb**	**209Bi**	**220Bkg**					
1	00:57:01	292.5051	1231205.4000	0.0000					
2	00:57:38	465.0130	1307451.3000	0.0000					
3	00:58:15	492.5146	1343751.9000	0.0000					
4	00:58:51	587.5207	1357164.8000	0.0000					
5	00:59:28	460.0127	1368334.5000	0.0000					
x		459.5132	1321581.6000	0.0000					
%RSD		23.184	4.198	0.000					

PBW 07/08/2008 01:02:20

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	01:02:56	255582.6500	12.5000	430.0111	65.0003	75.0003	3195.6126	767.5354	647325.5900
2	01:03:33	255749.3200	12.5000	475.0135	50.0001	100.0006	3518.2425	852.5436	664982.9000
3	01:04:10	258332.1800	18.3334	520.0162	90.0005	140.0012	3475.7247	807.5391	665831.8300
4	01:04:46	259518.1900	19.1667	605.0220	100.0006	130.0010	3848.3884	882.5467	670913.6500
5	01:05:24	263925.0700	17.5000	555.0185	60.0002	100.0006	3593.2745	882.5467	673489.5000
x		258621.4800	16.0000	517.0163	73.0003	109.0008	3526.2485	838.5423	664508.6900
%RSD		1.318	20.306	13.165	28.897	23.924	6.654	5.984	1.540

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	01:02:56	367.5081	18169.7870	3038.0537	ID 3958.4399	177.5019	186319.8800	1520.1386	22.5000
2	01:03:33	337.5068	18129.7000	2930.5152	ID 3975.9483	180.0019	189748.4500	1357.6106	12.5000
3	01:04:10	312.5059	18219.8960	2765.4588	ID 4106.0113	195.0023	189040.1200	1420.1210	37.5001
4	01:04:46	280.0047	17986.8910	3065.5638	ID 4138.5274	225.0030	192469.8000	1475.1305	40.0001
5	01:05:24	315.0060	17528.4150	2790.4671	ID 4148.5324	225.0030	191344.3300	1412.6197	40.0001
x		322.5063	18006.9380	2918.0117	ID 4065.4919	200.5024	189784.5200	1437.1241	30.5001
%RSD		10.063	1.562	4.720	ID 2.246	11.644	1.241	4.338	40.737

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	01:02:56	37.5001	550.0181	215.0028	982.5579	495.8481	890.8810	60.8336	65.0003
2	01:03:33	57.5002	607.5221	185.0021	1045.0655	512.5158	902.5489	68.3336	50.0001
3	01:04:10	60.0002	572.5197	172.5018	1085.0706	520.8496	858.3775	50.8335	74.1670
4	01:04:46	50.0001	572.5197	195.0023	1080.0700	499.1816	859.2110	66.6669	61.6669
5	01:05:24	50.0001	592.5211	195.0023	1035.0643	499.1816	852.5436	55.8335	56.6669
x		51.0002	579.0201	192.5022	1045.5657	505.5153	872.7124	60.5002	61.5002
%RSD		17.192	3.784	8.110	3.953	2.116	2.572	12.110	14.732

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	01:02:56	1068202.2000	162.5016	5.0000	131.2510	0.0000	3.7500	1206667.2000	35.0001
2	01:03:33	1095842.0000	142.5012	10.0000	106.2507	0.0000	6.2500	1248577.9000	20.0000
3	01:04:10	1112736.4000	113.7508	7.5000	118.7509	3.7500	6.2500	1266788.8000	27.5000
4	01:04:46	1119860.2000	117.5008	10.0000	117.5008	0.0000	12.5000	1275896.6000	7.5000
5	01:05:24	1121036.2000	100.0006	10.0000	110.0007	3.7500	8.7500	1294798.9000	17.5000
x		1103535.4000	127.2510	8.5000	116.7508	1.5000	7.5000	1258545.9000	21.5000
%RSD		2.008	19.627	26.307	8.245	136.931	44.096	2.657	48.364

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	01:02:56	255.0039	5.0000	2.5000	T 1902234.3000	43.7501	95.0005	42.5001	37.5001
2	01:03:33	272.5045	5.0000	0.0000	T 1964542.6000	45.0001	72.5003	35.0001	37.5001
3	01:04:10	312.5059	5.0000	5.0000	T 2005821.4000	42.5001	87.5005	45.0001	20.0000
4	01:04:46	247.5037	0.0000	5.0000	T 2038637.5000	43.7501	102.5006	47.5001	55.0002
5	01:05:24	317.5061	2.5000	5.0000	T 2069639.0000	43.7501	101.2506	50.0001	50.0001
x		281.0048	3.5000	3.5000	T 1996175.0000	43.7501	91.7505	44.0001	40.0001
%RSD		11.525	63.888	63.888	T 3.277	2.020	13.404	13.081	33.946

Run	Time	208Pb	209Bi	220Bkg
1	01:02:56	105.0007	1266317.0000	0.0000
2	01:03:33	100.0006	1322464.2000	0.0000
3	01:04:10	107.5007	1353261.0000	0.0000
4	01:04:46	127.5010	1376524.5000	0.0000
5	01:05:24	92.5005	1400331.5000	0.0000
x		106.5007	1343779.6000	0.0000
%RSD		12.265	3.870	0.000

LCSW 07/08/2008 01:08:15

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	01:08:52	256385.9400	58817.6750	989151.3100	138277.8100	160821.9900	1330449.4000	51060.9550	645399.4500
2	01:09:28	253419.7500	58781.5880	1008058.5000	140855.4400	161963.7900	1342677.7000	51478.5130	655754.1000
3	01:10:05	259947.9400	59363.1890	1026470.9000	143413.5200	166542.7200	1345973.8000	52389.1610	660663.8200
4	01:10:41	261168.5700	58772.3560	1033353.7000	144420.6900	167165.0000	1359600.6000	53075.9870	669028.2400
5	01:11:18	260422.4200	58763.9640	1032671.4000	144013.7400	167261.9100	1346076.1000	53038.2480	661112.3900
x		258268.9200	58899.7540	1017941.2000	142196.2400	164751.0800	1344955.5000	52208.5730	658391.6000
%RSD		1.268	0.441	1.873	1.823	1.884	0.773	1.746	1.319

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	01:08:52	315.0060	355335.1400	312369.2700	ID 84794.2200	406807.9700	1549996.7000	33401.8070	407560.9600
2	01:09:28	352.5075	358965.8800	317666.4700	ID 86668.3530	413773.6700	1589604.6000	33931.4400	416835.7500
3	01:10:05	285.0049	360006.8800	322686.4300	ID 87507.0490	418656.1900	1612171.6000	34466.1280	417345.3300
4	01:10:41	247.5037	364960.5200	319928.0700	ID 88560.5910	419898.9300	1615816.9000	34619.2610	421170.7600
5	01:11:18	267.5043	362300.6500	320691.6000	ID 87797.5810	419827.9900	1619105.5000	34747.2920	419068.6600
x		293.5053	360313.8100	318668.3700	ID 87065.5590	415792.9500	1597339.0000	34233.1850	416396.2900
%RSD		14.056	1.003	1.241	ID 1.653	1.351	1.808	1.633	1.254

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	01:08:52	92055.6620	225310.2600	108248.5300	125472.5400	108763.5000	29196.8910	11704.0470	66.6669
2	01:09:28	92543.5210	229759.2900	110791.6200	128124.9500	111370.0900	29408.4670	12127.9860	54.1668
3	01:10:05	93926.3630	232046.3700	111027.2300	129808.2000	111760.2600	29490.4220	11883.4670	65.0003
4	01:10:41	94472.4850	229928.8700	110467.3600	129612.6900	112927.5100	29712.0410	12006.1430	55.0002
5	01:11:18	92902.4820	232192.8600	111465.5200	128858.6300	112646.2400	29773.0910	11870.9490	54.1668
x		93180.1020	229847.5300	110400.0500	128375.4000	111493.5200	29516.1830	11918.5180	59.0002
%RSD		1.070	1.210	1.138	1.366	1.482	0.792	1.334	10.636

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	01:08:52	1064087.3000	297067.2100	4148.5324	289298.4400	60600.7990	141941.1300	1212968.8000	15.0000
2	01:09:28	1097639.6000	304141.9200	3933.4281	297194.1200	61799.5550	148435.3100	1260162.9000	22.5000
3	01:10:05	1105823.0000	309361.3700	4211.0637	301774.3900	63235.2650	150462.4300	1283995.6000	17.5000
4	01:10:41	1115191.9000	311932.0900	4296.1071	303676.6600	63886.4540	151096.2500	1288210.4000	32.5001
5	01:11:18	1114073.6000	310195.2800	4241.0789	303333.2300	63769.3120	150078.1000	1285918.5000	27.5000
x		1099363.1000	306539.5800	4166.0420	299055.3700	62658.2770	148402.6400	1266251.2000	23.0000
%RSD		1.906	1.970	3.373	2.018	2.264	2.523	2.516	31.126

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	01:08:52	346877.2400	40312.2690	71119.6910	T 1934592.5000	515815.9800	1266253.3000	416567.8400	348096.5300
2	01:09:28	360977.5400	42339.7870	73976.9040	T 2003413.2000	543166.8700	1327625.1000	438725.0700	363665.7200
3	01:10:05	366890.0400	42842.3460	75717.4320	T 2051882.7000	557693.3400	1363589.0000	445629.8700	373635.0300
4	01:10:41	371834.6200	42902.6550	75830.9570	T 2077270.7000	561857.0500	1387537.8000	454502.8500	377391.2300
5	01:11:18	369937.9400	43246.9270	75296.1410	T 2070249.6000	564625.0600	1385022.6000	454399.9600	379817.8400
x		363303.4800	42328.7970	74388.2250	T 2027481.7000	548631.6600	1346005.6000	441965.1200	368521.2700
%RSD		2.769	2.771	2.648	T 2.930	3.668	3.762	3.543	3.520

Run	Time	208Pb	209Bi	220Bkg
1	01:08:52	873292.6500	1298722.5000	2.5000
2	01:09:28	914314.7600	1362578.2000	2.5000
3	01:10:05	935180.8800	1403399.0000	0.0000
4	01:10:41	952539.2000	1418144.4000	0.0000
5	01:11:18	949167.5700	1421920.3000	0.0000
x		924899.0100	1380952.9000	1.0000
%RSD		3.518	3.739	136.931

MH2599 07/08/2008 01:14:11

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	01:14:47	243973.1800	17.5000	TM 26032174.0000	TM 3691264.1000	TM 4233176.6000	86544.5760	TM 3674505.7000	603351.4000
2	01:15:24	245048.2100	14.1667	TM 27029210.0000	TM 3767313.4000	TM 4367872.9000	88055.2790	TM 3794748.9000	611786.8400
3	01:16:00	246391.1200	20.8334	TM 27317521.0000	TM 3838266.7000	TM 4450997.0000	87944.1140	TM 3841852.9000	616638.0700
4	01:16:37	247917.9100	15.0000	TM 27532884.0000	TM 3857848.2000	TM 4517973.2000	88803.1520	TM 3853162.8000	620381.1500
5	01:17:14	248061.2500	15.0000	TM 27816281.0000	TM 3889877.0000	TM 4518279.5000	89508.1350	TM 3906647.3000	625178.0000
x		246278.3300	16.5000	TM 27145614.0000	TM 3808913.9000	TM 4417659.8000	88171.0510	TM 3814183.5000	615467.0900
%RSD		0.724	16.521	TM 2.527	TM 2.091	TM 2.721	1.255	TM 2.298	1.360

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	01:14:47	1162.5811	21314.7240	3168.1021	ID 8219.0512	363835.3900	283131.9800	60153.8280	2232.7991
2	01:15:24	865.0449	21136.7720	2885.4995	ID 8329.1604	370758.2200	286757.8500	56528.5810	2420.3514
3	01:16:00	1147.5790	22901.4250	3010.5437	ID 8491.8245	374764.0700	285299.0400	53682.3530	2375.3385
4	01:16:37	1000.0600	23422.8720	2983.0338	ID 8484.3168	373462.5500	284520.5900	56961.5140	2415.3500
5	01:17:14	907.5494	23723.7210	2945.5205	ID 8294.1255	379001.9200	286651.7900	52774.0790	2382.8406
x		1016.5629	22499.9030	2998.5399	ID 8363.6957	372364.4300	285272.2500	56020.0710	2365.3359
%RSD		13.344	5.340	3.526	ID 1.439	1.509	0.533	5.222	3.241

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	01:14:47	3820.8757	4020.9699	2057.7540	9813.2746	2826.3125	858.3775	89.1671	57.5002
2	01:15:24	3585.7713	4241.0789	2177.7845	10041.0460	3073.9002	805.8723	92.5005	59.1669
3	01:16:00	3600.7778	3970.9459	2117.7691	10021.0220	3167.2684	791.7043	69.1670	50.0001
4	01:16:37	3480.7268	4241.0789	2157.7793	10041.0460	3228.9588	770.0356	92.5005	58.3335
5	01:17:14	3745.8417	4181.0486	1915.2201	9740.6895	3349.8398	795.8713	94.1672	53.3335
x		3646.7987	4131.0244	2085.2614	9931.4154	3129.2559	804.3722	87.5005	55.6669
%RSD		3.718	3.073	5.061	1.445	6.288	4.091	11.895	6.974

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	01:14:47	961730.4200	166.2517	7.5000	132.5011	47.5001	100.0006	1078194.6000	27.5000
2	01:15:24	983233.5800	158.7515	10.0000	113.7508	61.2502	121.2509	1107653.9000	32.5001
3	01:16:00	998599.8500	136.2511	22.5000	132.5011	38.7501	91.2505	1125995.3000	22.5000
4	01:16:37	1008367.8000	128.7510	22.5000	128.7510	47.5001	122.5009	1131550.1000	17.5000
5	01:17:14	1007136.4000	122.5009	12.5000	102.5006	45.0001	111.2507	1142593.1000	25.0000
x		991813.6000	142.5012	15.0000	122.0009	48.0001	109.2507	1117197.4000	25.0000
%RSD		1.974	13.390	47.140	10.954	17.136	12.392	2.256	22.361

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	01:14:47	4658.8019	15569.5310	27447.6280	1700015.5000	342.5070	816.2900	1032.5640	952.5544
2	01:15:24	4786.3742	16478.7770	28187.5920	1769467.9000	363.7579	773.7859	1072.5690	907.5494
3	01:16:00	5009.0050	16639.0950	28649.1620	T 1887310.1000	311.2558	635.0242	1112.5743	1030.0637
4	01:16:37	4833.9016	16481.2820	28621.5670	T 1895213.1000	283.7548	582.5204	1220.0893	955.0547
5	01:17:14	5076.5458	16438.6980	28772.0840	T 1919057.9000	243.7536	592.5211	1242.5926	1020.0624
x		4872.9257	16321.4770	28335.6070	T 1834212.9000	309.0058	680.0283	1136.0778	973.0569
%RSD		3.477	2.618	1.918	T 5.168	15.368	15.863	8.080	5.264

Run	Time	208Pb	209Bi	220Bkg
1	01:14:47	2325.3244	1102047.2000	0.0000
2	01:15:24	2387.8421	1155080.5000	0.0000
3	01:16:00	2497.8743	1182055.7000	0.0000
4	01:16:37	2597.9049	1197299.3000	0.0000
5	01:17:14	2697.9367	1214831.9000	0.0000
x		2501.3765	1170262.9000	0.0000
%RSD		6.058	3.759	0.000

MH2599L 07/08/2008 01:20:07

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	01:20:43	247998.5900	15.8333	T 5415708.0000	774059.5400	901694.3700	20116.7520	M 720074.4900	603156.7900
2	01:21:20	252810.8300	9.1667	T 5568169.4000	803593.5300	930932.3500	20530.2580	M 732380.7100	613771.3500
3	01:21:56	251223.9100	16.6667	T 5673438.3000	818786.0500	944984.8600	21948.8670	M 744456.0800	621126.1900
4	01:22:33	255587.8100	12.5000	T 5723869.5000	825789.1000	961833.9100	21462.6030	M 754685.1200	624244.2500
5	01:23:10	255375.6200	17.5000	T 5739071.6000	836304.2000	962991.8900	21585.4200	M 759023.8700	622779.2400
x		252599.3500	14.3333	T 5624051.4000	811706.4900	940487.4800	21128.7800	M 742124.0600	617015.5600
%RSD		1.248	24.112	T 2.388	2.978	2.700	3.647	M 2.162	1.415

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	01:20:43	492.5146	6552.5752	1997.7394	ID 4411.1672	74872.3480	196062.1000	14334.8190	502.5152
2	01:21:20	440.0116	6702.6945	2082.7602	ID 4463.6952	76847.7080	196965.5400	13515.9520	507.5155
3	01:21:56	435.0114	6692.6864	1915.2201	ID 4666.3061	78351.6150	199827.4800	13418.2940	520.0162
4	01:22:33	422.5107	6702.6945	2022.7455	ID 4578.7576	77317.0190	199653.3800	12489.3520	567.5193
5	01:23:10	382.5088	6470.0107	2030.2473	ID 4528.7302	79335.8620	198619.1000	12747.2420	497.5149
x		434.5114	6624.1323	2009.7425	ID 4529.7312	77344.9100	198225.5200	13301.1320	519.0162
%RSD		9.092	1.617	3.047	ID 2.193	2.177	0.838	5.440	5.467

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	01:20:43	955.0547	1107.5736	617.5229	2160.2800	632.5240	837.5421	76.6670	56.6669
2	01:21:20	870.0454	1217.5889	572.5197	2247.8031	630.0238	805.8723	69.1670	33.3334
3	01:21:56	920.0508	1192.5853	522.5164	2185.2865	701.6962	771.7024	71.6670	62.5002
4	01:22:33	885.0470	1195.0857	565.0192	2312.8209	650.8588	835.0418	65.8336	55.0002
5	01:23:10	857.5441	1137.5776	512.5158	2377.8392	666.6933	813.3730	53.3335	57.5002
x		897.5484	1170.0822	558.0188	2256.8059	656.3592	812.7063	67.3336	53.0002
%RSD		4.431	3.905	7.567	3.982	4.477	3.281	13.022	21.403

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	01:20:43	974249.5900	48.7501	2.5000	26.2500	13.7500	22.5000	1104359.1000	22.5000
2	01:21:20	995943.3600	55.0002	10.0000	36.2501	6.2500	25.0000	1142327.7000	20.0000
3	01:21:56	1018439.3000	68.7503	7.5000	80.0004	13.7500	26.2500	1165281.2000	2.5000
4	01:22:33	1027417.6000	95.0005	7.5000	91.2505	16.2500	37.5001	1180788.5000	17.5000
5	01:23:10	1026789.3000	90.0005	5.0000	91.2505	20.0000	23.7500	1183337.5000	10.0000
x		1008567.8000	71.5003	6.5000	65.0003	14.0000	27.0000	1155218.8000	14.5000
%RSD		2.284	28.764	43.853	48.231	35.937	22.347	2.838	56.398

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	01:20:43	972.5568	3225.6242	5739.4758	1684566.1000	87.5005	202.5025	277.5046	205.0025
2	01:21:20	1097.5723	3435.7081	5857.0576	1769174.3000	103.7507	227.5031	312.5059	230.0032
3	01:21:56	1090.0713	3405.6958	6017.1716	T 1894823.1000	115.0008	255.0039	297.5053	260.0041
4	01:22:33	1132.5770	3365.6795	5904.5911	T 1922771.9000	105.0007	240.0035	315.0060	220.0029
5	01:23:10	1085.0706	3460.7184	6094.7279	T 1932387.8000	115.0008	273.7545	297.5053	260.0041
x		1075.5696	3378.6852	5922.6048	T 1840744.6000	105.2507	239.7535	300.0054	235.0033
%RSD		5.626	2.741	2.338	T 5.924	10.702	11.282	5.000	10.424

Run	Time	208Pb	209Bi	220Bkg
1	01:20:43	582.5204	1165597.5000	2.5000
2	01:21:20	587.5207	1230819.0000	0.0000
3	01:21:56	652.5256	1271130.1000	0.0000
4	01:22:33	675.0273	1293637.6000	0.0000
5	01:23:10	657.5259	1301081.5000	0.0000
x		631.0240	1252453.1000	0.5000
%RSD		6.791	4.449	223.607

MH25A0 07/08/2008 01:26:03

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	01:26:40	241597.9700	13.3333	TM 24081240.0000	TM 3402246.4000	TM 3910526.7000	22362.4650	TM 3441138.0000	592549.9000
2	01:27:16	244880.0400	15.8333	TM 25023461.0000	TM 3494906.4000	TM 4046229.6000	23014.2350	TM 3547181.3000	602008.0200
3	01:27:53	249833.0200	10.0000	TM 25362644.0000	TM 3545302.3000	TM 4130228.8000	23372.7310	TM 3594260.2000	609178.2500
4	01:28:29	249201.1800	22.5000	TM 25701738.0000	TM 3582925.8000	TM 4185345.8000	23585.8300	TM 3654338.0000	616581.6100
5	01:29:06	249205.4700	15.0000	TM 25810422.0000	TM 3623129.8000	TM 4214403.1000	23212.2840	TM 3677821.1000	617483.6100
x		246943.5400	15.3333	TM 25195901.0000	TM 3529702.1000	TM 4097346.8000	23109.5090	TM 3582947.7000	607560.2800
%RSD		1.452	29.916	TM 2.759	TM 2.423	TM 2.990	2.023	TM 2.634	1.724

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	01:26:40	982.5579	25082.6920	3143.0926	ID 9643.0761	692676.8700	296197.0400	57203.1610	2963.0267
2	01:27:16	902.5489	24418.2230	3173.1040	ID 9658.0935	707687.8700	298108.4200	54034.6180	2787.9663
3	01:27:53	842.5426	25177.9780	3085.5711	ID 9542.9610	718831.2300	300898.5600	54600.7910	2847.9866
4	01:28:29	1040.0649	25228.1300	3253.1348	ID 9828.2923	727690.3200	305027.1600	54703.9640	2850.4874
5	01:29:06	867.5452	25371.0630	3055.5601	ID 9658.0935	732762.1600	303710.3500	51050.8940	2852.9883
x		927.0519	25055.6170	3142.0925	ID 9666.1033	715929.6900	300788.3100	54318.6860	2860.4911
%RSD		8.885	1.482	2.464	ID 1.062	2.251	1.230	4.045	2.217

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	01:26:40	4911.4469	12717.1960	6374.9375	643752.8600	4130.1899	831.7082	104.1673	73.3337
2	01:27:16	4661.3033	13601.0900	6522.5516	659927.5200	4408.6659	820.8738	115.8341	67.5003
3	01:27:53	4558.7466	13463.3670	6662.6624	671585.9500	4469.5316	811.7062	115.0008	72.5003
4	01:28:29	4393.6579	13668.7010	6439.9874	677878.6000	4394.4917	820.0404	115.0008	60.0002
5	01:29:06	4533.7329	13513.4480	6492.5282	677618.6800	4401.9957	823.3740	114.1675	82.5004
x		4611.7775	13392.7600	6498.5334	666152.7200	4360.9750	821.5405	112.8341	71.1670
%RSD		4.181	2.881	1.655	2.174	3.036	0.874	4.325	11.610

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	01:26:40	940223.8000	343.7571	240.0035	301.2555	3069.3151	7507.1299	1039959.7000	37.5001
2	01:27:16	969377.5100	341.2570	235.0033	343.7571	3216.8708	7464.5917	1084354.9000	90.0005
3	01:27:53	988326.5200	331.2566	230.0032	293.7552	3394.4412	7756.1078	1109089.9000	80.0004
4	01:28:29	996698.6600	332.5066	225.0030	336.2568	3358.1765	7817.4150	1115661.5000	65.0003
5	01:29:06	999773.9000	331.2566	215.0028	335.0067	3350.6735	8038.8755	1124511.0000	35.0001
x		978880.0800	336.0068	229.0032	322.0063	3277.8954	7716.8240	1094715.4000	61.5003
%RSD		2.517	1.792	4.200	7.071	4.109	3.060	3.111	40.201

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	01:26:40	10636.7840	20124.2700	35487.9030	1662829.9000	1076.3195	2800.4705	39445.6370	34132.2580
2	01:27:16	10854.5650	21490.1740	36798.5690	1743142.9000	1222.5897	2815.4755	42281.9950	36281.3080
3	01:27:53	11037.3040	21873.6700	38179.7620	1790271.3000	1231.3410	2925.5134	43304.7260	36414.3870
4	01:28:29	11545.4920	22149.3970	38448.4930	T 1875879.6000	1198.8362	3005.5419	43576.1360	37227.9700
5	01:29:06	11197.5180	22116.8100	38616.7680	T 1901386.3000	1305.1022	3000.5401	43641.4760	37885.9250
x		11054.3330	21550.8640	37506.2990	T 1794702.0000	1206.8377	2909.5083	42449.9940	36388.3700
%RSD		3.122	3.897	3.564	T 5.434	6.883	3.372	4.160	3.899

Run	Time	208Pb	209Bi	220Bkg
1	01:26:40	86542.0500	1071615.3000	0.0000
2	01:27:16	91140.6870	1126055.1000	0.0000
3	01:27:53	92280.6290	1153872.8000	0.0000
4	01:28:29	93446.0080	1169008.1000	0.0000
5	01:29:06	94877.0420	1186228.5000	0.0000
x		91657.2830	1141356.0000	0.0000
%RSD		3.467	3.926	0.000

MH25A2 07/08/2008 01:32:00

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	01:32:36	241819.2500	14.1667	TM 26015496.0000	TM 3642277.7000	TM 4204425.6000	9953.4407	TM 3592095.8000	587871.6100
2	01:33:13	246554.1700	15.0000	TM 26964877.0000	TM 3773949.0000	TM 4383123.6000	10133.6580	TM 3669914.2000	601809.4100
3	01:33:50	250460.6100	12.5000	TM 27423252.0000	TM 3837442.7000	TM 4448743.3000	10321.3880	TM 3756340.2000	614939.1600
4	01:34:26	250404.8000	12.5000	TM 27741615.0000	TM 3876367.2000	TM 4523093.2000	10439.0340	TM 3803419.1000	615447.1800
5	01:35:03	247979.7100	10.8333	TM 28262363.0000	TM 3922361.1000	TM 4588931.6000	10434.0280	TM 3832244.4000	620116.2300
x		247443.7100	13.0000	TM 27281521.0000	TM 3810479.5000	TM 4429663.5000	10256.3100	TM 3730802.7000	608036.7200
%RSD		1.437	12.496	TM 3.119	TM 2.851	TM 3.336	2.045	TM 2.652	2.166

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	01:32:36	672.5271	25300.8500	2913.0090	ID 9205.0812	1053209.2000	300937.4300	62959.4380	3585.7713
2	01:33:13	612.5225	25253.2060	3210.6184	ID 9265.1477	1068335.2000	306434.9200	58260.4470	3603.2788
3	01:33:50	587.5207	25491.4290	2980.5329	ID 9758.2100	1088510.4000	308859.5100	57895.4170	3535.7499
4	01:34:26	595.0212	25140.3650	2998.0392	ID 9865.8366	1093655.8000	306077.1300	55237.4660	3698.3205
5	01:35:03	620.0231	25471.3680	2970.5293	ID 9955.9437	1104168.6000	312091.6500	56800.4200	3528.2468
x		617.5229	25331.4440	3014.5458	ID 9610.0439	1081575.9000	306880.1300	58230.6380	3590.2735
%RSD		5.409	0.588	3.787	ID 3.642	1.897	1.336	4.968	1.904

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	01:32:36	5151.5918	13253.0300	6562.5830	922672.5300	4251.9178	834.2084	120.8342	58.3335
2	01:33:13	4723.8385	13308.1180	6802.7755	943282.1900	4356.9720	821.7072	100.0006	70.0003
3	01:33:50	4918.9513	14131.9730	6947.8952	957977.8600	4448.6871	816.7067	128.3343	66.6669
4	01:34:26	4553.7439	13773.8740	6522.5516	962228.2800	4491.2099	770.8690	109.1674	72.5003
5	01:35:03	4613.7769	13618.6190	7010.4475	964256.3400	4529.5640	854.2104	110.8341	72.5003
x		4792.3805	13617.1230	6769.2506	950083.4400	4415.6702	819.5403	113.8341	68.0003
%RSD		5.096	2.642	3.260	1.829	2.533	3.760	9.637	8.692

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	01:32:36	944194.9000	333.7567	370.0082	301.2555	5020.2617	11874.7040	1053582.2000	30.0001
2	01:33:13	969114.3900	282.5048	307.5057	292.5051	5142.8364	12428.0100	1091538.3000	25.0000
3	01:33:50	988991.4000	326.2564	300.0054	276.2546	5205.3752	12754.7540	1111942.7000	27.5000
4	01:34:26	999214.9500	312.5059	397.5095	273.7545	5292.9304	12864.9230	1122753.5000	22.5000
5	01:35:03	1011779.0000	345.0071	370.0082	315.0060	5456.7860	12967.5820	1137439.3000	30.0001
x		982658.9200	320.0062	349.0074	291.7551	5223.6380	12577.9950	1103451.2000	27.0000
%RSD		2.704	7.519	12.289	5.926	3.137	3.516	2.947	12.073

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	01:32:36	12624.5560	21442.5520	37737.7550	1674439.4000	1671.4176	3878.4023	18828.7470	15787.4400
2	01:33:13	13245.5180	22888.8910	39129.1500	1743984.9000	1650.1634	4099.7582	19094.3510	16240.8100
3	01:33:50	13035.1870	22635.7010	40995.5910	1779546.8000	1731.4299	4328.6239	19958.8730	17107.5420
4	01:34:26	13373.2220	23370.2240	40862.4390	1813291.4000	1756.4351	4383.6527	20011.4990	17373.0910
5	01:35:03	13741.3200	23919.2790	41751.8320	T 1891397.3000	1883.9629	4469.9485	20334.7800	17901.7080
x		13203.9610	22851.3290	40095.3530	T 1780531.9000	1738.6818	4232.0771	19645.6500	16882.1180
%RSD		3.130	4.060	4.067	T 4.524	5.290	5.684	3.297	5.079

Run	Time	208Pb	209Bi	220Bkg
1	01:32:36	40513.2410	1075576.5000	0.0000
2	01:33:13	41555.8560	1127615.2000	0.0000
3	01:33:50	42802.1400	1153569.8000	0.0000
4	01:34:26	43711.8440	1171254.4000	0.0000
5	01:35:03	44106.4140	1197339.5000	0.0000
x		42537.8990	1145071.1000	0.0000
%RSD		3.521	4.055	0.000

MH25A3 07/08/2008 01:37:56

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	01:38:33	245902.8400	8.3333	TM 26285718.0000	TM 3672354.7000	TM 4248252.2000	14427.4780	TM 3614603.1000	601550.4300
2	01:39:09	248208.8800	11.6667	TM 27186276.0000	TM 3800860.1000	TM 4395245.4000	14955.9090	TM 3718044.0000	613932.6000
3	01:39:46	249602.9400	14.1667	TM 27906877.0000	TM 3878145.4000	TM 4541297.8000	15446.8030	TM 3804294.8000	622874.7500
4	01:40:23	254088.8300	11.6667	TM 28034751.0000	TM 3929213.6000	TM 4545192.5000	15133.7290	TM 3856928.6000	626755.1100
5	01:40:59	253725.5100	14.1667	TM 28295654.0000	TM 3946800.1000	TM 4600003.2000	15501.9050	TM 3875995.4000	629873.8500
x		250305.8000	12.0000	TM 27541855.0000	TM 3845474.8000	TM 4465998.2000	15093.1650	TM 3773973.2000	618997.3500
%RSD		1.416	20.007	TM 2.955	TM 2.916	TM 3.212	2.880	TM 2.864	1.848

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	01:38:33	662.5263	25561.6440	2900.5047	ID 11177.4910	968199.1000	335422.3100	61166.1570	3805.8689
2	01:39:09	615.0227	25313.3880	3045.5564	ID 11402.7960	979331.7400	336647.7700	57014.3730	3800.8666
3	01:39:46	535.0172	25634.3670	3000.5401	ID 11685.6880	1001574.6000	344111.0200	54663.7010	3685.8149
4	01:40:23	580.0202	25659.4440	2923.0126	ID 11480.4030	1006838.4000	346423.9500	53891.1940	3768.3518
5	01:40:59	520.0162	26105.8270	2890.5012	ID 11830.8920	1017271.2000	345624.2500	55290.3150	3698.3205
x		582.5205	25654.9340	2952.0230	ID 11515.4540	994643.0000	341645.8600	56405.1480	3751.8445
%RSD		10.020	1.118	2.296	ID 2.200	2.037	1.524	5.141	1.509

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	01:38:33	4771.3656	11785.8280	6124.7499	706299.6800	4595.4334	771.7024	110.0007	52.5002
2	01:39:09	4813.8900	12016.1570	6084.7206	720428.1900	4723.0047	831.7082	112.5008	75.0003
3	01:39:46	4811.3886	12597.0140	6109.7389	733377.9500	4810.5548	870.8788	120.8342	65.8336
4	01:40:23	4828.8987	12692.1580	6122.2481	739982.7800	4861.4176	845.0428	106.6674	58.3335
5	01:40:59	4496.2126	12897.4730	6342.4127	747826.2100	4998.9989	835.0418	107.5007	59.1669
x		4744.3511	12397.7260	6156.7740	729582.9600	4797.8819	830.8748	111.5008	62.1669
%RSD		2.958	3.818	1.705	2.254	3.148	4.389	5.107	13.821

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	01:38:33	971410.0200	323.7563	257.5040	242.5035	4045.9820	9660.5964	1079163.9000	52.5002
2	01:39:09	999934.0200	312.5059	302.5055	281.2548	4269.8436	10143.6700	1117881.6000	47.5001
3	01:39:46	1016469.1000	352.5075	300.0054	346.2572	4347.3837	10290.0990	1148218.3000	80.0004
4	01:40:23	1024420.1000	367.5081	362.5079	300.0054	4388.6553	10633.0290	1160869.4000	52.5002
5	01:40:59	1033043.6000	373.7584	300.0054	397.5095	4354.8876	10504.1160	1165701.9000	55.0002
x		1009055.4000	346.0072	304.5056	313.5061	4281.3504	10246.3020	1134367.0000	57.5002
%RSD		2.411	7.771	12.307	19.134	3.237	3.689	3.177	22.382

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	01:38:33	12173.8860	22111.7970	38629.3260	1719344.9000	1495.1341	3657.0523	14445.0090	12526.9080
2	01:39:09	13060.2260	23046.8250	40229.3700	T 1865025.7000	1650.1634	3752.0945	14920.8460	13248.0220
3	01:39:46	13087.7690	23676.0860	41299.5860	1857539.8000	1646.4126	3974.6977	15840.0400	13298.1020
4	01:40:23	13305.6140	23781.3850	41691.5310	T 1944700.2000	1598.9034	3869.6482	15825.0120	13813.9400
5	01:40:59	13075.2500	24077.2330	42133.7470	1897375.0000	1655.1644	4087.2521	16050.4420	13450.8470
x		12940.5490	23338.6650	40796.7120	T 1856797.1000	1609.1556	3868.1490	15416.2700	13267.5640
%RSD		3.402	3.350	3.436	T 4.533	4.203	4.429	4.515	3.539

Run	Time	208Pb	209Bi	220Bkg
1	01:38:33	31097.9170	1102001.7000	0.0000
2	01:39:09	32299.9760	1164638.8000	0.0000
3	01:39:46	33916.3790	1197799.0000	0.0000
4	01:40:23	34511.3140	1221096.0000	0.0000
5	01:40:59	34119.7070	1229791.4000	0.0000
x		33189.0590	1183065.4000	0.0000
%RSD		4.342	4.383	0.000

MH25A4 07/08/2008 01:43:52

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	01:44:28	245780.9900	14.1667	TM 24517716.0000	TM 3445226.1000	TM 3999646.0000	13160.3840	TM 3458240.6000	603199.7300
2	01:45:05	246178.3000	7.5000	TM 25308224.0000	TM 3534763.4000	TM 4102659.4000	13596.0820	TM 3543115.2000	610748.4200
3	01:45:41	248114.4700	5.0000	TM 25839174.0000	TM 3620484.2000	TM 4207817.1000	14620.3140	TM 3620921.1000	621153.0900
4	01:46:18	254971.0100	10.8333	TM 26469267.0000	TM 3699612.8000	TM 4271642.5000	13553.5130	TM 3684251.8000	627127.9000
5	01:46:54	255789.7000	11.6667	TM 26549177.0000	TM 3715811.5000	TM 4314112.5000	14136.9810	TM 3697876.3000	634409.2600
x		250166.8900	9.8333	TM 25736712.0000	TM 3603179.6000	TM 4179175.5000	13813.4550	TM 3600881.0000	619327.6800
%RSD		1.938	36.647	TM 3.295	TM 3.162	TM 3.066	4.122	TM 2.792	2.019

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	01:44:28	567.5193	26880.7850	3190.6107	ID 14795.6230	723965.9500	390170.0200	61027.6470	3813.3723
2	01:45:05	600.0216	26687.6660	3068.0647	ID 14898.3060	739996.4100	398453.4900	57691.5100	3573.2659
3	01:45:41	675.0273	26652.5530	3100.5767	ID 15804.9740	760518.8900	405420.2400	57741.8570	3638.2941
4	01:46:18	647.5252	26695.1900	3050.5583	ID 15582.0540	764874.2200	407253.9800	54396.9640	3703.3227
5	01:46:54	567.5193	26742.8420	3058.0610	ID 15404.2240	766036.5600	407783.9800	55131.7690	3675.8105
x		611.5226	26731.8070	3093.5743	ID 15297.0360	751078.4100	401816.3400	57197.9490	3680.8131
%RSD		7.899	0.334	1.859	ID 2.852	2.456	1.867	4.569	2.410

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	01:44:28	4446.1858	10551.6760	5051.5306	355564.6200	6088.0564	795.0379	115.8341	66.6669
2	01:45:05	4338.6291	10696.8610	5351.7179	364639.4100	6152.2702	845.0428	111.6674	55.8335
3	01:45:41	4343.6317	10827.0290	5519.3272	367973.7900	6349.9184	824.2074	120.0009	56.6669
4	01:46:18	4358.6396	11250.0890	5384.2388	372945.1300	6429.1457	859.2110	121.6676	60.0002
5	01:46:54	4223.5700	11317.6800	5444.2778	376518.0400	6336.5749	859.2110	109.1674	58.3335
x		4342.1313	10928.6670	5350.2185	367528.2000	6271.1931	836.5420	115.6675	59.5002
%RSD		1.827	3.106	3.341	2.201	2.298	3.260	4.596	7.251

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	01:44:28	972412.4400	322.5062	170.0017	303.7555	2426.6033	5789.5104	1079685.4000	35.0001
2	01:45:05	990464.4100	327.5064	177.5019	298.7554	2512.8788	5853.3049	1117477.4000	17.5000
3	01:45:41	1014794.8000	351.2574	225.0030	303.7555	2484.1202	6158.5248	1139245.4000	37.5001
4	01:46:18	1028110.8000	328.7565	200.0024	316.2560	2601.6561	5997.1572	1152418.1000	37.5001
5	01:46:54	1032756.0000	371.2583	205.0025	317.5061	2596.6545	6243.5881	1166549.1000	27.5000
x		1007707.7000	340.2570	195.5023	308.0057	2524.3826	6008.4171	1131075.1000	31.0001
%RSD		2.548	6.045	11.308	2.716	2.972	3.222	3.000	27.703

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	01:44:28	12501.8710	21938.8410	38634.3500	1706973.7000	1283.8489	3080.5693	14299.7580	12346.6400
2	01:45:05	13037.6910	23132.0610	40400.1940	T 1848727.8000	1338.8575	3310.6575	15376.6730	13248.0220
3	01:45:41	13127.8320	24137.4060	42060.8800	T 1903489.3000	1352.6098	3383.1866	15814.9930	13636.1480
4	01:46:18	13408.2780	24034.6100	42488.0390	T 1941698.5000	1431.3729	3537.0005	16108.0530	13971.7030
5	01:46:54	13503.4320	24455.8330	42231.7410	T 1949533.6000	1443.8751	3384.4371	16130.5970	14031.8040
x		13115.8210	23539.7500	41163.0410	T 1870084.6000	1370.1128	3339.1702	15546.0150	13446.8630
%RSD		2.999	4.338	3.970	T 5.322	4.885	4.985	4.890	5.130

Run	Time	208Pb	209Bi	220Bkg
1	01:44:28	31958.6640	1099694.7000	0.0000
2	01:45:05	33291.3660	1154831.8000	0.0000
3	01:45:41	34448.5550	1186763.5000	0.0000
4	01:46:18	34948.1290	1212289.8000	0.0000
5	01:46:54	34619.2610	1218553.6000	0.0000
x		33853.1950	1174426.7000	0.0000
%RSD		3.631	4.150	0.000

MH25A6 07/08/2008 01:49:44

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	01:50:21	245140.8800	14.1667	TM 45622478.0000	TM 6429537.4000	TM 7423594.2000	9074.9386	TM 6555588.8000	597006.7400
2	01:50:58	243406.9800	15.8333	TM 47237071.0000	TM 6680671.4000	TM 7697056.6000	9207.5840	TM 6800716.9000	612787.7700
3	01:51:34	246944.6400	20.0000	TM 48914719.0000	TM 6830232.9000	TM 7892296.3000	9054.9168	TM 6923449.8000	622913.7600
4	01:52:11	246351.6400	20.0000	TM 49476910.0000	TM 6981680.9000	TM 8048216.8000	9490.4010	TM 7054277.3000	628289.4400
5	01:52:48	250943.1400	20.8334	TM 49445779.0000	TM 6904222.1000	TM 8054780.9000	9410.3102	TM 7087969.4000	629743.2600
x		246557.4600	18.1667	TM 48139391.0000	TM 6765269.0000	TM 7823189.0000	9247.6301	TM 6884400.4000	618148.1900
%RSD		1.136	16.347	TM 3.483	TM 3.224	TM 3.410	2.122	TM 3.140	2.194
Run	**Time**	**47Ti**	**51V**	**52Cr**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**
1	01:50:21	775.0360	26986.1240	3170.6030	ID 22174.4630	1893917.4000	561738.1700	113424.1900	18633.3090
2	01:50:58	865.0449	26830.6240	3070.5656	ID 23505.6040	1947932.1000	576199.6900	111701.1400	19372.4910
3	01:51:34	717.5309	27588.0910	3015.5455	ID 24157.4640	1989094.0000	587676.0100	109299.6100	19239.6840
4	01:52:11	735.0324	27542.9420	2978.0320	ID 23896.7140	2019876.1000	592162.5100	107017.7800	19369.9860
5	01:52:48	702.5296	27427.5620	3063.0628	ID 24510.9940	T 1995102.4000	594698.9200	105987.2400	19658.1590
x		759.0348	27275.0680	3059.5618	ID 23649.0480	T 1969184.4000	582495.0600	109485.9900	19254.7260
%RSD		8.585	1.262	2.371	ID 3.816	T 2.508	2.335	2.844	1.971
Run	**Time**	**60Ni**	**63Cu**	**65Cu**	**66Zn**	**75As**	**78Se**	**82Se**	**83Kr**
1	01:50:21	12384.1950	21344.8010	10807.0030	2156448.5000	4931.4587	745.8667	130.8344	95.0005
2	01:50:58	12837.3800	22009.0260	11192.5110	2239916.8000	5028.1832	795.8713	119.1675	90.8338
3	01:51:34	12486.8480	22430.1460	11658.1490	2280349.1000	5129.9118	817.5401	115.0008	95.8339
4	01:52:11	12917.5040	22653.2480	11225.0550	2298534.0000	5138.2503	756.7010	112.5008	84.1671
5	01:52:48	12647.0900	22339.9040	11723.2400	T 2168343.3000	5071.5428	810.8728	142.5012	82.5004
x		12654.6030	22155.4250	11321.1920	T 2228718.4000	5059.8693	785.3704	124.0009	89.6672
%RSD		1.784	2.297	3.321	T 2.885	1.673	4.115	10.085	6.817
Run	**Time**	**89Y**	**107Ag**	**108Mo O**	**109Ag**	**111Cd**	**114Cd**	**115In**	**118Sn**
1	01:50:21	943151.0200	440.0116	692.5288	392.5092	10037.2910	23666.0570	1047883.9000	17.5000
2	01:50:58	974596.9000	423.7608	687.5284	408.7600	10347.6700	24814.3900	1077528.7000	12.5000
3	01:51:34	1006295.8000	411.2602	812.5396	412.5102	10514.1290	24959.8240	1112938.4000	32.5001
4	01:52:11	1014246.1000	421.2607	665.0265	353.7575	10791.9830	25389.8700	1134022.3000	27.5000
5	01:52:48	1014783.5000	478.7638	685.0282	396.2594	10927.1590	25268.2510	1135859.0000	30.0001
x		990614.6800	435.0114	708.5303	392.7593	10523.6470	24819.6780	1101646.4000	24.0000
%RSD		3.151	6.103	8.338	5.943	3.368	2.760	3.462	35.782
Run	**Time**	**121Sb**	**135Ba**	**137Ba**	**159Tb**	**203Tl**	**205Tl**	**206Pb**	**207Pb**
1	01:50:21	21492.6800	16438.6980	28496.1390	1648704.9000	2814.2251	6811.5327	72980.6780	62448.1130
2	01:50:58	22520.3890	16964.7510	30184.5680	1739269.9000	2998.0392	7032.9665	76983.9570	65574.4900
3	01:51:34	23212.2840	17829.0520	31052.7490	1788802.8000	3061.8124	7514.6367	79096.0990	68823.0280
4	01:52:11	23625.9440	17686.2480	31210.8380	1818407.2000	3211.8688	7534.6547	80918.4700	69690.1900
5	01:52:48	23788.9060	17906.7180	31913.4910	1827068.2000	3203.1155	7656.0153	80093.0530	69828.8430
x		22928.0410	17365.0930	30571.5570	1764450.6000	3057.8122	7309.9612	78014.4510	67272.9330
%RSD		4.100	3.676	4.296	4.151	5.368	5.014	4.070	4.756
Run	**Time**	**208Pb**	**209Bi**	**220Bkg**					
1	01:50:21	157323.6600	1030754.4000	0.0000					
2	01:50:58	167111.4400	1090256.9000	0.0000					
3	01:51:34	171721.2500	1124869.9000	0.0000					
4	01:52:11	173469.4000	1137372.3000	0.0000					
5	01:52:48	175302.1600	1142042.2000	0.0000					
x		168985.5800	1105059.2000	0.0000					
%RSD		4.257	4.182	0.000					

zzzzzz 07/08/2008 01:55:38

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	01:56:15	257852.6700	10.0000	680.0278	70.0003	140.0012	2262.8072	715.0307	635639.1300
2	01:56:51	260330.4400	10.8333	955.0547	155.0014	135.0011	2315.3216	707.5300	651628.5700
3	01:57:28	259136.5900	12.5000	3750.8439	505.0153	560.0188	2510.3781	955.0547	660381.4500
4	01:58:04	261219.2900	10.8333	10746.9250	1630.1594	1800.1944	2898.0038	1952.7288	665260.0100
5	01:58:41	263484.7900	11.6667	4381.1514	620.0231	840.0423	2585.4010	1090.0713	671131.4300
x		260404.7600	11.1667	4102.8006	596.0399	695.0516	2514.3823	1084.0831	656808.1200
%RSD		0.821	8.509	98.983	104.422	98.696	10.044	47.243	2.105

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	01:56:15	312.5059	1192.5853	1912.7195	ID 3910.9175	175.0018	191027.1700	1625.1585	15.0000
2	01:56:51	315.0060	1197.5860	1807.6960	ID 4078.4978	202.5025	196535.5600	1667.6669	15.0000
3	01:57:28	265.0042	1087.5710	1850.2054	ID 3895.9105	372.5083	194874.7400	1565.1470	15.0000
4	01:58:04	220.0029	1112.5743	1895.2155	ID 3993.4566	590.0209	196896.4300	1637.6609	27.5000
5	01:58:41	232.5032	1020.0624	1935.2247	ID 4096.0064	362.5079	195478.6300	1652.6639	37.5001
x		269.0044	1122.0758	1880.2122	ID 3994.9578	340.5083	194962.5100	1629.6594	22.0000
%RSD		16.371	6.663	2.721	ID 2.310	48.746	1.202	2.420	46.438

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	01:56:15	72.5003	305.0056	130.0010	975.0570	23.3334	889.2141	57.5002	54.1668
2	01:56:51	67.5003	335.0067	115.0008	842.5426	23.3334	921.7176	60.0002	55.0002
3	01:57:28	50.0001	357.5077	155.0014	887.5473	34.1667	993.3925	61.6669	59.1669
4	01:58:04	85.0004	305.0056	137.5011	1177.5832	32.5001	971.7233	65.0003	70.0003
5	01:58:41	60.0002	337.5068	107.5007	975.0570	31.6667	944.2202	60.0002	63.3336
x		67.0003	328.0065	129.0010	971.5574	29.0001	944.0536	60.8336	60.3336
%RSD		19.638	6.932	14.541	13.239	18.106	4.337	4.543	10.814

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	01:56:15	1040707.5000	33.7501	12.5000	17.5000	1.2500	5.0000	1174578.4000	27.5000
2	01:56:51	1068021.0000	33.7501	10.0000	15.0000	0.0000	2.5000	1212471.0000	22.5000
3	01:57:28	1087755.8000	37.5001	10.0000	20.0000	0.0000	3.7500	1242482.1000	37.5001
4	01:58:04	1101284.2000	105.0007	5.0000	97.5006	6.2500	17.5000	1257314.4000	17.5000
5	01:58:41	1112201.5000	66.2503	2.5000	56.2502	3.7500	11.2500	1262338.2000	25.0000
x		1081994.0000	55.2502	8.0000	41.2502	2.2500	8.0000	1229836.8000	26.0000
%RSD		2.621	56.048	51.349	86.510	120.442	78.592	2.967	28.524

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	01:56:15	25.0000	2.5000	17.5000	1743917.8000	22.5000	65.0003	50.0001	42.5001
2	01:56:51	55.0002	2.5000	10.0000	T 1900623.1000	20.0000	62.5002	60.0002	52.5002
3	01:57:28	47.5001	7.5000	17.5000	1861691.4000	22.5000	88.7505	85.0004	45.0001
4	01:58:04	55.0002	22.5000	17.5000	T 1969155.5000	36.2501	116.2508	87.5005	60.0002
5	01:58:41	40.0001	2.5000	15.0000	1924171.2000	33.7501	101.2506	92.5005	60.0002
x		44.5001	7.5000	15.5000	T 1879911.8000	27.0000	86.7505	75.0004	52.0002
%RSD		28.202	115.470	21.030	T 4.543	27.506	26.698	25.056	15.726

Run	Time	208Pb	209Bi	220Bkg
1	01:56:15	100.0006	1220584.9000	0.0000
2	01:56:51	145.0013	1272934.4000	0.0000
3	01:57:28	137.5011	1309229.5000	0.0000
4	01:58:04	220.0029	1338710.1000	0.0000
5	01:58:41	190.0022	1356219.0000	0.0000
x		158.5016	1299535.6000	0.0000
%RSD		29.626	4.176	0.000

CCV2 07/08/2008 02:01:32

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	02:02:09	247347.1600	145478.8600	722488.0800	101408.2900	116909.3600	604207.7200	22665.7820	607899.7700
2	02:02:46	247022.7400	145461.0500	735795.2300	104653.0300	121240.5900	608060.9100	23370.2240	618650.5800
3	02:03:23	249170.2800	146097.0300	756490.8500	107980.0800	123747.0300	613173.4000	24217.6390	626724.1600
4	02:03:59	249002.8800	145360.1500	769177.0100	109079.2600	126010.5700	614705.3100	24902.1520	628049.8500
5	02:04:36	251980.4100	146307.3400	775872.0300	109773.2800	128894.1700	617716.1900	24944.7790	636590.2800
x		248904.6900	145740.8900	751964.6400	106578.7900	123360.3400	611572.7100	24020.1150	623582.9300
%RSD		0.791	0.295	2.987	3.279	3.713	0.883	4.126	1.737

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	02:02:09	252.5038	797656.7800	747220.3100	ID 80400.9970	964373.8400	1386646.1000	29680.2610	964485.7500
2	02:02:46	245.0036	811513.6600	764176.9000	ID 83024.0290	985748.8300	1428224.3000	30726.5430	984029.8600
3	02:03:23	232.5032	823377.0400	768747.4600	ID 83455.8100	999282.3600	1451965.6000	31373.9490	983415.8200
4	02:03:59	220.0029	819152.0300	771018.5900	ID 85114.9650	1000962.2000	1464548.9000	31248.4780	993315.7300
5	02:04:36	202.5025	824921.6700	776597.6800	ID 86509.2120	1003993.9000	1476918.7000	31524.5150	997223.7700
x		230.5032	815324.2400	765552.1900	ID 83701.0030	990872.2200	1441660.7000	30910.7490	984494.1900
%RSD		8.657	1.369	1.460	ID 2.757	1.653	2.472	2.428	1.286

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	02:02:09	214410.7800	529613.6200	254322.4700	143947.6100	130510.7100	33942.3180	13630.3050	59.1669
2	02:02:46	219108.1300	537393.7700	257384.3500	147053.6400	133127.4500	34580.7680	13992.5710	57.5002
3	02:03:23	221215.2100	542643.0900	260259.1000	148893.3800	134327.3100	34138.1150	14089.4010	54.1668
4	02:03:59	222072.5700	544554.4300	262477.0600	149443.0900	134671.1200	34923.0240	14155.3460	55.0002
5	02:04:36	221400.0200	550656.4800	264373.1100	151991.0500	135792.4300	35163.1980	13965.0250	63.3336
x		219641.3400	540972.2800	259763.2200	148265.7500	133685.8000	34549.4840	13966.5290	57.8335
%RSD		1.424	1.465	1.541	2.017	1.506	1.486	1.452	6.330

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	02:02:09	994859.6500	700259.2000	9427.8300	681701.0700	140756.2800	332429.6500	1128537.1000	12.5000
2	02:02:46	1023490.6000	719490.9200	9725.6720	700757.3200	144886.1700	345585.1800	1171124.1000	30.0001
3	02:03:23	1038887.6000	733164.0500	9833.2982	714486.6300	148360.2400	352640.4700	1201134.3000	22.5000
4	02:03:59	1051666.3000	743936.3500	10141.1670	724024.4700	149799.4000	355830.6200	1210589.7000	25.0000
5	02:04:36	1062457.7000	749876.2200	10071.0820	730906.8600	151469.1800	361700.4000	1232756.5000	25.0000
x		1034272.4000	729345.3500	9839.8098	710375.2700	147054.2500	349637.2600	1188828.4000	23.0000
%RSD		2.553	2.735	2.906	2.762	2.907	3.215	3.392	28.135

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	02:02:09	386484.0800	92657.2740	162274.7500	1690102.2000	560972.8600	1378124.5000	478017.8100	378763.9600
2	02:02:46	404667.4400	96234.9800	168889.2500	T 1843402.6000	594377.1400	1456416.3000	501467.4600	399952.8100
3	02:03:23	416489.0400	99255.0950	171996.8400	1836612.3000	613634.2900	1515907.1000	521800.6100	414067.7500
4	02:03:59	427564.3200	100208.9100	176300.3900	1870099.2000	626952.9400	1546014.9000	532376.6100	424196.0700
5	02:04:36	431912.6800	102139.6400	178744.1300	T 1963609.8000	636905.5600	1572033.2000	543642.6900	431339.0900
x		413423.5100	98099.1790	171641.0700	T 1840765.2000	606568.5600	1493699.2000	515461.0400	409663.9300
%RSD		4.450	3.787	3.771	T 5.342	4.955	5.198	5.057	5.105

Run	Time	208Pb	209Bi	220Bkg
1	02:02:09	973815.4700	1189989.9000	2.5000
2	02:02:46	1023324.4000	1252430.7000	0.0000
3	02:03:23	1057381.3000	1294089.1000	0.0000
4	02:03:59	1083254.6000	1331003.3000	0.0000
5	02:04:36	1108580.9000	1348932.4000	0.0000
x		1049271.3000	1283289.1000	0.5000
%RSD		5.022	4.983	223.607

CCB2 07/08/2008 02:07:28

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	02:08:04	246472.6400	30.8334	1075.0693	210.0027	175.0018	1750.1838	510.0156	617202.6500
2	02:08:41	250361.0100	21.6667	1280.0983	210.0027	205.0025	1627.6589	502.5152	627541.0800
3	02:09:18	250696.7200	60.8336	5276.6701	725.0315	955.0547	2255.3051	1025.0630	637720.7500
4	02:09:54	251636.9300	48.3335	5626.8991	710.0303	1060.0674	2215.2944	1025.0630	647513.1000
5	02:10:31	254039.0100	52.5002	3780.8575	585.0205	615.0227	2070.2571	847.5431	650156.2200
x		250641.2600	42.8335	3407.9189	488.0175	602.0298	1983.7399	782.0400	636026.7600
%RSD		1.093	37.640	63.148	53.184	68.213	14.173	33.500	2.168

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	02:08:04	202.5025	607.5221	1755.1848	ID 3565.7627	335.0067	173377.5200	1462.6283	170.0017
2	02:08:41	195.0023	522.5164	1770.1880	ID 3610.7821	362.5079	177334.4900	1532.6409	165.0016
3	02:09:18	242.5035	670.0269	1985.2364	ID 3700.8216	645.0250	178105.6700	1430.1227	265.0042
4	02:09:54	222.5030	642.5248	1892.7149	ID 3738.3383	685.0282	178292.1000	1412.6197	332.5066
5	02:10:31	225.0030	582.5204	1927.7229	ID 3860.8942	617.5229	179400.5100	1495.1341	297.5053
x		217.5029	605.0221	1866.2094	ID 3695.3198	529.0181	177302.0600	1466.6292	246.0039
%RSD		8.716	9.405	5.372	ID 3.122	31.489	1.306	3.312	30.713

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	02:08:04	87.5005	415.0103	145.0013	205.0025	40.8334	802.5386	60.8336	56.6669
2	02:08:41	92.5005	355.0076	135.0011	182.5020	44.1668	824.2074	57.5002	60.0002
3	02:09:18	110.0007	425.0108	187.5021	332.5066	59.1669	900.8820	60.8336	65.8336
4	02:09:54	127.5010	455.0124	162.5016	352.5075	66.6669	861.7112	76.6670	50.0001
5	02:10:31	102.5006	410.0101	175.0018	257.5040	45.8335	885.0470	68.3336	69.1670
x		104.0007	412.0103	161.0016	266.0045	51.3335	854.8773	64.8336	60.3336
%RSD		15.165	8.819	13.294	28.302	21.524	4.806	11.899	12.530

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	02:08:04	1016001.9000	83.7504	7.5000	72.5003	17.5000	45.0001	1156774.3000	10.0000
2	02:08:41	1044896.3000	96.2506	2.5000	83.7504	25.0000	63.7502	1193962.5000	15.0000
3	02:09:18	1060944.3000	133.7511	5.0000	117.5008	42.5001	128.7510	1209873.5000	12.5000
4	02:09:54	1071361.8000	140.0012	10.0000	142.5012	35.0001	92.5005	1229660.2000	10.0000
5	02:10:31	1083305.7000	132.5011	22.5000	102.5006	46.2501	70.0003	1241541.1000	22.5000
x		1055302.0000	117.2509	9.5000	103.7507	33.2501	80.0004	1206362.3000	14.0000
%RSD		2.474	21.684	81.960	26.697	36.020	40.126	2.751	37.029

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	02:08:04	665.0265	15.0000	27.5000	1743823.2000	133.7511	321.2562	132.5011	95.0005
2	02:08:41	832.5416	15.0000	32.5001	T 1888022.4000	176.2519	335.0067	147.5013	107.5007
3	02:09:18	912.5500	40.0001	57.5002	T 1927317.0000	217.5028	558.7687	237.5034	192.5022
4	02:09:54	760.0347	37.5001	70.0003	T 1952298.0000	278.7547	661.2762	227.5031	192.5022
5	02:10:31	645.0250	32.5001	45.0001	T 1965102.2000	198.7524	506.2654	195.0023	210.0027
x		763.0355	28.0001	46.5001	T 1895312.6000	201.0026	476.5147	188.0022	159.5017
%RSD		14.759	43.467	37.750	T 4.730	26.627	30.756	24.921	33.752

Run	Time	208Pb	209Bi	220Bkg
1	02:08:04	290.0051	1229390.7000	0.0000
2	02:08:41	252.5038	1284120.3000	0.0000
3	02:09:18	492.5146	1310682.2000	0.0000
4	02:09:54	467.5131	1325853.5000	0.0000
5	02:10:31	457.5126	1342690.8000	0.0000
x		392.0098	1298547.5000	0.0000
%RSD		28.509	3.408	0.000

MH25A7 07/08/2008 02:13:23

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	43Ca	45Sc
1	02:13:59	246829.6500	16.6667	TM 21288200.0000	TM 2963515.5000	TM 3425545.4000	252802.2400	TM 3055661.6000	595799.7900
2	02:14:36	249688.7900	14.1667	TM 22182919.0000	TM 3080137.4000	TM 3577155.4000	257010.5800	TM 3149769.4000	610878.7200
3	02:15:13	251913.4300	16.6667	TM 22563324.0000	TM 3149919.7000	TM 3643628.4000	262332.6200	TM 3211298.5000	616952.6200
4	02:15:50	254835.2800	15.0000	TM 23038532.0000	TM 3209813.7000	TM 3743140.9000	262900.0900	TM 3264032.3000	626710.7000
5	02:16:26	255542.2800	15.0000	TM 23003281.0000	TM 3198689.3000	TM 3727890.2000	262796.9100	TM 3252784.9000	624639.8000
x		251761.8800	15.5000	TM 22415251.0000	TM 3120415.1000	TM 3623472.1000	259568.4900	TM 3186709.3000	614996.3200
%RSD		1.437	7.213	TM 3.217	TM 3.254	TM 3.570	1.739	TM 2.694	2.024
Run	**Time**	**47Ti**	**51V**	**52Cr**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**
1	02:13:59	1225.0900	23520.6460	3393.1907	ID 24884.5990	1745681.1000	562024.0100	60972.2440	5061.5367
2	02:14:36	1182.5839	24724.1230	3588.2724	ID 25777.3070	1796531.0000	579976.1400	58824.3880	5046.5276
3	02:15:13	1295.1006	25323.4180	3433.2071	ID 26171.0310	1822550.6000	588107.4100	57882.8300	5246.6511
4	02:15:50	1255.0945	26286.3930	3253.1348	ID 26394.2330	1845521.7000	597595.5300	56261.7840	4851.4118
5	02:16:26	1220.0893	26461.9470	3358.1765	ID 26700.2060	1862470.1000	600460.9100	55426.2130	4736.3456
x		1235.5917	25263.3060	3405.1963	ID 25985.4750	1814550.9000	585632.8000	57873.4920	4988.4945
%RSD		3.405	4.772	3.590	ID 2.699	2.524	2.643	3.775	3.981
Run	**Time**	**60Ni**	**63Cu**	**65Cu**	**66Zn**	**75As**	**78Se**	**82Se**	**83Kr**
1	02:13:59	4523.7275	13611.1070	7047.9792	615670.2900	4266.0917	921.7176	111.6674	59.1669
2	02:14:36	4833.9016	13941.6520	7273.1726	636673.8200	4349.4681	791.7043	123.3343	60.8336
3	02:15:13	4666.3061	14121.9560	6980.4224	643159.5800	4371.9799	916.7171	130.0010	62.5002
4	02:15:50	4761.3598	14552.6960	7285.6835	646582.3300	4632.1204	921.7176	115.8341	56.6669
5	02:16:26	4503.7167	14597.7750	7060.4898	652713.7600	4526.2289	845.8763	137.5011	62.5002
x		4657.8023	14165.0370	7129.5495	638959.9500	4429.1778	879.5466	123.6676	60.3336
%RSD		3.102	2.945	1.967	2.231	3.326	6.675	8.451	4.097
Run	**Time**	**89Y**	**95Mo**	**108Mo O**	**109Ag**	**111Cd**	**114Cd**	**115In**	**118Sn**
1	02:13:59	957966.6800	671.2770	230.0032	661.2762	2894.2525	6870.3309	1057288.0000	30.0001
2	02:14:36	992063.9500	681.2779	252.5038	656.2758	3033.0519	7330.7230	1102679.4000	40.0001
3	02:15:13	1003291.4000	632.5240	285.0049	647.5252	3150.5955	7344.4851	1132128.9000	37.5001
4	02:15:50	1021508.0000	680.0278	242.5035	630.0238	3099.3262	7448.3272	1146975.9000	37.5001
5	02:16:26	1027769.8000	680.0278	262.5041	616.2728	3180.6069	7619.7320	1155090.5000	32.5001
x		1000520.0000	669.0269	254.5039	642.2748	3071.5666	7322.7196	1118832.5000	35.5001
%RSD		2.770	3.108	8.201	2.924	3.706	3.797	3.556	11.572
Run	**Time**	**121Sb**	**135Ba**	**137Ba**	**159Tb**	**203Tl**	**205Tl**	**206Pb**	**207Pb**
1	02:13:59	12486.8480	23618.4220	41972.9380	1651878.5000	826.2910	1987.7370	83263.9050	72660.3970
2	02:14:36	13157.8800	25338.4640	44043.5830	1752237.3000	826.2910	2167.7819	90071.6580	77597.1040
3	02:15:13	13315.6300	25596.7510	45554.1720	1806814.5000	913.8001	2134.0232	91858.5040	79252.5750
4	02:15:50	13708.7670	26023.0690	45667.2880	T 1903455.3000	943.8034	2256.5555	94796.1290	81165.8580
5	02:16:26	14021.7870	26534.6780	46285.6860	T 1918939.1000	947.5539	2357.8335	94495.2410	82236.2760
x		13338.1820	25422.2770	44704.7330	T 1806665.0000	891.5479	2180.7862	90897.0870	78582.4420
%RSD		4.376	4.349	3.882	T 6.120	6.841	6.350	5.161	4.783
Run	**Time**	**208Pb**	**209Bi**	**220Bkg**					
1	02:13:59	182443.0000	1070586.0000	0.0000					
2	02:14:36	193027.4800	1138077.0000	0.0000					
3	02:15:13	198980.0600	1175361.9000	0.0000					
4	02:15:50	204360.4400	1191961.6000	0.0000					
5	02:16:26	203407.5500	1201970.5000	0.0000					
x		196443.7000	1155591.4000	0.0000					
%RSD		4.591	4.619	0.000					

MH25A9 07/08/2008 02:19:18

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	02:19:55	246837.3700	17.5000	TM 37234080.0000	TM 5222463.6000	TM 6057025.7000	15599.5870	TM 4863801.4000	601519.5700
2	02:20:32	245371.6900	14.1667	TM 38597883.0000	TM 5396984.5000	TM 6271345.1000	16240.8100	TM 5000934.5000	615828.8900
3	02:21:08	248469.8200	21.6667	TM 39502451.0000	TM 5525988.5000	TM 6438140.2000	16273.3740	TM 5131048.9000	625472.6800
4	02:21:45	251803.5100	15.8333	TM 40049087.0000	TM 5557345.1000	TM 6488968.6000	16609.0350	TM 5146199.7000	632236.8700
5	02:22:22	248705.0200	14.1667	TM 40373530.0000	TM 5630857.2000	TM 6523145.9000	16463.7470	TM 5199083.7000	636403.0100
x		248237.4800	16.6667	TM 39151406.0000	TM 5466727.8000	TM 6355725.1000	16237.3110	TM 5068213.6000	622292.2000
%RSD		0.969	18.708	TM 3.232	TM 2.938	TM 3.036	2.380	TM 2.674	2.246

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	02:19:55	857.5441	26670.1100	3213.1193	ID 26221.1880	1128651.1000	602299.2200	87709.1570	14212.1090
2	02:20:32	772.5358	26058.1780	3128.0870	ID 26464.4550	1158255.4000	617027.9000	83781.5540	14467.5480
3	02:21:08	782.5367	27008.6970	3240.6300	ID 27189.2830	1174867.7000	627745.6600	87042.2190	14109.4340
4	02:21:45	677.5275	27151.6610	3193.1116	ID 27462.6770	1176022.3000	630114.8300	80630.7010	14304.7670
5	02:22:22	805.0389	27683.4060	3225.6242	ID 28009.4930	1191875.5000	634079.2600	81741.4430	14497.6000
x		779.0366	26914.4100	3200.1144	ID 27069.4190	1165934.4000	622253.3700	84181.0150	14318.2920
%RSD		8.417	2.237	1.371	ID 2.701	2.058	2.060	3.726	1.156

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	02:19:55	10221.2650	22339.9040	10982.2320	1634360.4000	3017.2128	831.7082	124.1676	69.1670
2	02:20:32	10056.0640	22761.0420	11122.4180	1682344.7000	3215.6203	834.2084	120.8342	88.3338
3	02:21:08	10118.6390	23432.9000	11525.4650	1714615.2000	3228.1251	835.0418	118.3342	69.1670
4	02:21:45	9960.9497	23222.3120	11255.0960	1722244.8000	3324.8298	821.7072	101.6673	70.0003
5	02:22:22	9938.4228	23919.2790	11472.8920	1737989.4000	3311.4912	825.8743	95.8339	74.1670
x		10059.0680	23135.0870	11271.6200	1698310.9000	3219.4558	829.7080	112.1674	74.1670
%RSD		1.156	2.632	2.039	2.420	3.822	0.691	11.226	11.038

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	02:19:55	962295.4100	413.7603	830.0413	435.0114	10421.5120	24754.2120	1055784.0000	22.5000
2	02:20:32	995098.2800	466.2630	785.0370	396.2594	10790.7320	25640.6360	1098525.8000	27.5000
3	02:21:08	1010226.5000	418.7605	805.0389	425.0108	11072.3510	25452.5610	1113231.4000	30.0001
4	02:21:45	1020956.1000	460.0127	760.0347	412.5102	11021.0330	26189.8400	1130435.4000	20.0000
5	02:22:22	1030075.1000	483.7640	792.5377	432.5112	11308.9180	26490.7890	1139339.6000	27.5000
x		1003730.3000	448.5121	794.5379	420.2606	10922.9090	25705.6070	1107463.2000	25.5000
%RSD		2.647	6.857	3.243	3.812	3.070	2.627	2.970	16.110

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	02:19:55	8732.0725	39742.0400	70587.6970	1675916.9000	1793.9431	4484.9566	15261.4620	12889.9610
2	02:20:32	9330.2203	41126.2320	73048.7700	T 1815250.3000	1898.9663	4788.8756	16190.7130	13713.7750
3	02:21:08	9074.9386	42641.3190	74708.3860	T 1867603.5000	2028.9970	5011.5065	16473.7670	14026.7950
4	02:21:45	9157.5289	42869.9870	75742.6600	T 1892720.1000	2067.7565	4956.4736	16734.2850	14427.4780
5	02:22:22	9425.3272	43995.8320	76222.0010	T 1918159.0000	2105.2659	5019.0110	16902.1240	14555.2000
x		9144.0175	42075.0820	74061.9030	T 1833930.0000	1978.9858	4852.1646	16312.4700	13922.6420
%RSD		2.937	3.939	3.094	T 5.244	6.538	4.642	3.962	4.786

Run	Time	208Pb	209Bi	220Bkg
1	02:19:55	32545.9300	1040363.3000	0.0000
2	02:20:32	34897.9190	1098603.9000	0.0000
3	02:21:08	35352.3290	1129567.5000	0.0000
4	02:21:45	36773.4590	1139456.6000	0.0000
5	02:22:22	36180.8730	1165195.4000	0.0000
x		35150.1020	1114637.3000	0.0000
%RSD		4.628	4.295	0.000

MH25B0 07/08/2008 02:25:14

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	02:25:50	248477.5500	14.1667	TM 22832775.0000	TM 3192877.7000	TM 3705353.3000	92316.0180	TM 3218817.6000	597198.5300
2	02:26:27	251306.3400	13.3333	TM 23581995.0000	TM 3273762.8000	TM 3826286.8000	91216.5100	TM 3307070.2000	611366.3500
3	02:27:04	250023.6100	7.5000	TM 24204443.0000	TM 3365381.9000	TM 3922429.7000	94313.1960	TM 3399426.4000	623139.7500
4	02:27:40	252292.1300	10.8333	TM 24519016.0000	TM 3430220.0000	TM 3967175.3000	95140.0150	TM 3437935.2000	627771.2300
5	02:28:17	255920.2800	11.6667	TM 24769718.0000	TM 3469036.2000	TM 4016056.4000	95645.7550	TM 3472966.0000	631046.5200
x		251603.9800	11.5000	TM 23981590.0000	TM 3346255.7000	TM 3887460.3000	93726.2990	TM 3367243.1000	618104.4800
%RSD		1.115	22.569	TM 3.256	TM 3.383	TM 3.177	2.018	TM 3.074	2.243

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	02:25:50	725.0315	27297.1350	3393.1907	ID 20460.0860	T 2884482.1000	494093.4600	61559.0340	16899.6180
2	02:26:27	580.0202	28285.4230	3108.0795	ID 20941.2790	T 2964285.2000	502963.7200	59934.7580	17057.4400
3	02:27:04	632.5240	28134.9140	3238.1290	ID 21131.7590	T 3010537.2000	514547.2900	55121.7030	16694.2050
4	02:27:40	655.0257	28037.0850	3283.1466	ID 21409.9680	T 3034121.1000	519049.0000	57054.6480	16979.7810
5	02:28:17	590.0209	28423.3910	3403.1948	ID 22254.6770	T 3067366.9000	517770.5300	53513.7740	16756.8310
x		636.5245	28035.5900	3285.1481	ID 21239.5540	T 2992158.5000	509684.8000	57436.7830	16877.5750
%RSD		9.143	1.563	3.702	ID 3.130	T 2.371	2.115	5.783	0.896

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	02:25:50	7153.0687	11360.2380	5701.9501	2218235.7000	3182.2742	920.0508	151.6681	75.0003
2	02:26:27	7190.6009	11405.3000	5756.9879	2279001.9000	3241.4636	905.8826	145.8346	80.8337
3	02:27:04	7343.2340	11558.0100	5874.5699	2326491.9000	3249.8002	1001.7269	166.6683	73.3337
4	02:27:40	7080.5067	11991.1210	6017.1716	2352865.4000	3378.1846	876.7128	158.3348	81.6671
5	02:28:17	7230.6356	11570.5270	5984.6482	2372341.3000	3416.5336	967.5562	164.1683	84.1671
x		7199.6092	11577.0390	5867.0655	2309787.3000	3293.6512	934.3858	157.3348	79.0004
%RSD		1.354	2.152	2.346	2.684	3.009	5.346	5.497	5.845

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	02:25:50	959921.0500	298.7554	560.0188	228.7531	7732.3357	18684.6740	1065671.9000	30.0001
2	02:26:27	995336.9100	330.0065	627.5236	258.7540	8140.2239	19262.2360	1115268.8000	22.5000
3	02:27:04	1019452.7000	315.0060	605.0220	266.2543	8344.1754	19421.3550	1143703.6000	30.0001
4	02:27:40	1025879.3000	290.0051	600.0216	278.7547	8355.4367	19342.4220	1161132.6000	37.5001
5	02:28:17	1038746.5000	328.7565	570.0195	285.0049	8310.3917	19779.6960	1178280.4000	45.0001
x		1007867.3000	312.5059	592.5211	263.5042	8176.5127	19298.0770	1132811.5000	33.0001
%RSD		3.085	5.706	4.622	8.342	3.216	2.051	3.899	25.913

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	02:25:50	10083.5970	22009.0260	39267.2980	1665793.7000	1507.6364	3568.2638	37481.6030	32678.9490
2	02:26:27	10408.9970	23001.7010	40535.8500	T 1823797.7000	1558.8958	3865.8965	40377.5850	34466.1280
3	02:27:04	11260.1020	24007.0310	41505.6060	T 1881103.1000	1692.6719	3945.9340	40518.2650	35605.9050
4	02:27:40	11425.3270	23861.6140	42661.4210	T 1917582.4000	1698.9232	4106.0113	42030.7280	36841.2570
5	02:28:17	11119.9140	24029.5950	42402.6050	T 1935813.6000	1732.6801	4014.7168	42513.1660	36833.7240
x		10859.5870	23381.7930	41274.5560	T 1844818.1000	1638.1615	3900.1645	40584.2690	35285.1930
%RSD		5.356	3.747	3.388	T 5.900	6.021	5.269	4.848	4.987

Run	Time	208Pb	209Bi	220Bkg
1	02:25:50	81935.8380	1071922.5000	0.0000
2	02:26:27	86302.0810	1134896.4000	0.0000
3	02:27:04	89874.5470	1172392.8000	0.0000
4	02:27:40	90433.0400	1202292.4000	0.0000
5	02:28:17	91666.4060	1212530.0000	0.0000
x		88042.3820	1158806.8000	0.0000
%RSD		4.491	4.935	0.000

MH25B1 07/08/2008 02:31:10

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	02:31:46	252821.1400	13.3333	TM 19423367.0000	TM 2704921.8000	TM 3131843.5000	236092.6700	TM 2778030.0000	608282.4900
2	02:32:23	253664.5300	14.1667	TM 19870440.0000	TM 2780515.8000	TM 3234791.2000	241365.5400	TM 2844000.5000	617242.9800
3	02:33:00	256084.3800	14.1667	TM 20456888.0000	TM 2848454.9000	TM 3307150.1000	244574.6000	TM 2887701.4000	624631.7300
4	02:33:37	257163.5200	8.3333	TM 20597298.0000	TM 2878835.5000	TM 3328549.2000	244718.7400	TM 2935005.5000	631428.9200
5	02:34:13	257849.2300	20.0000	TM 20723674.0000	TM 2892020.0000	TM 3348657.4000	243506.4900	TM 2941473.7000	630886.3000
x		255516.5600	14.0000	TM 20214334.0000	TM 2820949.6000	TM 3270198.3000	242051.6100	TM 2877242.2000	622494.4800
%RSD		0.857	29.583	TM 2.720	TM 2.760	TM 2.706	1.483	TM 2.365	1.575

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	02:31:46	1190.0850	28355.6610	3798.3655	ID 25526.5360	938505.3100	583223.9800	57958.3520	3428.2050
2	02:32:23	1190.0850	28741.9810	3803.3677	ID 26369.1540	963039.4400	593907.8900	53043.2800	3283.1466
3	02:33:00	1052.5665	28706.8600	3785.8598	ID 26840.6560	974764.9600	597142.2000	52152.6850	3110.5804
4	02:33:37	1117.5749	29208.5990	3993.4566	ID 26702.7140	981229.1900	608060.9100	52824.3960	3135.5898
5	02:34:13	1070.0687	29311.4590	3915.9198	ID 26745.3500	983441.0600	605415.8500	51619.3800	3193.1116
x		1124.0760	28864.9120	3859.3939	ID 26436.8820	968195.9900	597550.1700	53519.6190	3230.1267
%RSD		5.763	1.361	2.369	ID 2.039	1.900	1.655	4.754	3.996

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	02:31:46	3938.4305	11951.0640	5994.6554	481640.2100	3741.6732	885.8804	144.1679	67.5003
2	02:32:23	3923.4234	12915.0000	6099.7316	489363.7600	3755.0125	891.7144	130.0010	47.5001
3	02:33:00	4005.9626	12539.4270	6052.1969	497733.2700	3865.8965	957.5550	125.0009	50.8335
4	02:33:37	3785.8598	12604.5250	6447.4932	505123.6700	3867.5639	946.7204	143.3346	68.3336
5	02:34:13	3978.4495	12461.8110	6277.3634	503313.9400	3884.2384	946.7204	124.1676	65.8336
x		3926.4251	12494.3650	6174.2881	495434.9700	3822.8769	925.7181	133.3344	60.0002
%RSD		2.166	2.794	3.008	1.989	1.794	3.679	7.329	16.667

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	02:31:46	970029.7700	596.2713	137.5011	615.0227	1956.4796	4543.7384	1081607.3000	20.0000
2	02:32:23	1002746.3000	597.5214	125.0009	568.7694	1992.7382	4662.5540	1117300.9000	27.5000
3	02:33:00	1022026.1000	632.5240	162.5016	615.0227	2016.4939	4752.6048	1139048.5000	45.0001
4	02:33:37	1027412.0000	661.2762	170.0017	656.2758	2007.7418	4875.1756	1153875.7000	50.0001
5	02:34:13	1034402.7000	668.7768	192.5022	643.7749	2084.0106	4847.6596	1157288.9000	37.5001
x		1011323.4000	631.2740	157.5015	619.7731	2011.4928	4736.3465	1129824.3000	36.0001
%RSD		2.562	5.414	16.985	5.445	2.315	2.881	2.764	34.233

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	02:31:46	11192.5110	22284.7570	39412.9830	1678366.9000	451.2622	1051.3163	100965.4600	85721.1310
2	02:32:23	11693.1980	23219.8050	41495.5560	1765859.0000	456.2625	1051.3163	105058.0800	90779.2740
3	02:33:00	12021.1640	23944.3510	42103.5950	1808559.3000	505.0153	1222.5897	107240.6200	92508.1310
4	02:33:37	12474.3300	24704.0630	42736.8060	1822458.3000	491.2645	1290.0999	110089.9200	94654.5330
5	02:34:13	12439.2770	24701.5560	43000.6580	T 1908933.2000	523.7665	1248.8436	110758.6900	94616.6060
x		11964.0960	23770.9060	41749.9200	T 1796835.3000	485.5142	1172.8331	106822.5500	91655.9350
%RSD		4.497	4.351	3.427	T 4.686	6.436	9.678	3.738	4.026

Run	Time	208Pb	209Bi	220Bkg
1	02:31:46	218235.6700	1087974.2000	0.0000
2	02:32:23	229749.0100	1139914.6000	0.0000
3	02:33:00	234948.5100	1170681.7000	0.0000
4	02:33:37	240002.0000	1193171.6000	0.0000
5	02:34:13	239809.0600	1201092.7000	0.0000
x		232548.8500	1158566.9000	0.0000
%RSD		3.886	3.975	0.000

MH25B2 07/08/2008 02:37:07

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	02:37:44	247951.3900	15.0000	TM 26037153.0000	TM 3631695.4000	TM 4191975.6000	81935.8380	TM 3737986.5000	605199.7200
2	02:38:20	253210.1900	8.3333	TM 27023107.0000	TM 3779196.7000	TM 4418613.8000	85276.6050	TM 3885353.6000	626656.8700
3	02:38:57	255104.1600	11.6667	TM 27817846.0000	TM 3871097.8000	TM 4528869.7000	85678.1930	TM 3975908.2000	636500.0100
4	02:39:34	258198.1200	17.5000	TM 28236586.0000	TM 3958618.4000	TM 4594620.6000	86451.1140	TM 4046482.8000	643023.4000
5	02:40:10	255782.8200	10.8333	TM 28869213.0000	TM 3995114.3000	TM 4641160.4000	86559.7320	TM 4118371.0000	650226.3900
x		254049.3300	12.6667	TM 27596781.0000	TM 3847144.5000	TM 4475048.0000	85180.2960	TM 3952820.4000	632321.2800
%RSD		1.515	28.450	TM 3.985	TM 3.810	TM 3.999	2.220	TM 3.740	2.762

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	02:37:44	885.0470	29055.5650	4596.2672	ID 9740.6895	803708.9000	321426.6200	69107.8710	4796.3799
2	02:38:20	810.0394	28920.0950	4718.8357	ID 10308.8720	831089.1600	325960.2200	61493.5530	4588.7631
3	02:38:57	777.5363	29278.8450	4676.3117	ID 10449.0470	847326.0900	331471.3400	61367.6300	4666.3061
4	02:39:34	725.0315	29459.4800	4753.8556	ID 10822.0220	856211.6400	336286.1000	60166.4190	4523.7275
5	02:40:10	762.5349	29313.9680	4591.2644	ID 10904.6300	863994.2400	334207.4300	58232.7550	4588.7631
x		792.0378	29205.5910	4667.3069	ID 10445.0520	840466.0100	329870.3400	62073.6460	4632.7879
%RSD		7.614	0.738	1.555	ID 4.460	2.845	1.851	6.677	2.255

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	02:37:44	4803.8842	7418.3004	3623.2875	450269.5700	2932.1824	968.3896	115.0008	63.3336
2	02:38:20	4763.8613	7953.7940	3640.7951	465141.4400	3003.8746	927.5516	110.0007	64.1669
3	02:38:57	4683.8159	7843.6897	3690.8171	471829.6600	3051.3919	969.2230	111.6674	75.0003
4	02:39:34	4691.3201	8018.8563	4020.9699	479570.8300	3036.3864	958.3884	112.5008	56.6669
5	02:40:10	4488.7086	7893.7369	3605.7799	485121.1700	3114.7487	918.3839	133.3344	70.0003
x		4686.3180	7825.6754	3716.3299	470386.5300	3027.7168	948.3873	116.5008	65.8336
%RSD		2.590	3.028	4.661	2.883	2.210	2.511	8.225	10.591

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	02:37:44	972997.7100	130.0010	137.5011	101.2506	1792.6928	4247.3321	1065145.5000	77.5004
2	02:38:20	1009276.0000	142.5012	162.5016	122.5009	1881.4624	4559.9973	1118485.1000	87.5005
3	02:38:57	1036345.9000	143.7512	150.0014	111.2507	1970.2329	4597.5179	1148715.3000	82.5004
4	02:39:34	1053780.0000	146.2513	177.5019	105.0007	1972.7335	4621.2810	1166168.4000	80.0004
5	02:40:10	1067848.4000	150.0014	177.5019	162.5016	1943.9767	4846.4089	1182898.7000	52.5002
x		1028049.6000	142.5012	161.0016	120.5009	1912.2196	4574.5074	1136282.6000	76.0004
%RSD		3.671	5.300	10.847	20.599	3.989	4.687	4.080	17.957

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	02:37:44	7057.9876	35538.1160	61365.1120	1672126.6000	432.5112	948.8040	7525.8968	6557.5791
2	02:38:20	7861.2062	36723.2380	64332.3640	1765219.9000	447.5120	966.3060	7968.8083	6630.1365
3	02:38:57	7893.7369	37948.7100	66960.4460	T 1899029.0000	423.7608	978.8075	8556.8910	7203.1117
4	02:39:34	8336.6679	38865.4200	67708.9570	T 1949296.2000	463.7629	1083.8205	8511.8449	7515.8878
5	02:40:10	8509.3423	39395.4000	68676.8290	T 1980535.1000	430.0111	1097.5723	8827.1727	7615.9786
x		7931.7882	37694.1770	65808.7420	T 1853241.4000	439.5116	1015.0621	8278.1227	7104.5387
%RSD		7.097	4.178	4.501	T 7.039	3.668	6.899	6.321	6.912

Run	Time	208Pb	209Bi	220Bkg
1	02:37:44	16393.6090	1046021.5000	0.0000
2	02:38:20	16799.4160	1108893.7000	0.0000
3	02:38:57	17811.5150	1155609.3000	0.0000
4	02:39:34	18227.4130	1185624.7000	0.0000
5	02:40:10	18580.6910	1212251.0000	0.0000
x		17562.5290	1141680.0000	0.0000
%RSD		5.318	5.765	0.000

zzzzzz 07/08/2008 02:43:04

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	02:43:40	265816.2800	12.5000	520.0162	75.0003	90.0005	675.0273	462.5128	667663.8100
2	02:44:17	265447.2900	9.1667	615.0227	115.0008	145.0013	660.0261	495.0147	668372.3700
3	02:44:54	264246.6900	10.8333	6777.7552	1015.0618	1135.0773	1057.5671	1452.6266	677159.7900
4	02:45:31	265487.7100	5.0000	7298.1944	1110.0739	1115.0746	1242.5926	1347.6090	678264.4200
5	02:46:07	267602.9500	13.3333	6197.3035	1005.0606	1105.0733	1140.0780	1165.0814	681600.8500
x		265720.1800	10.1667	4281.6584	664.0395	718.0454	955.0582	984.5689	674612.2500
%RSD		0.455	32.478	79.712	78.499	76.412	28.332	48.061	0.925

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	02:43:40	312.5059	1150.0794	1912.7195	ID 3783.3586	180.0019	197485.1200	1490.1332	30.0001
2	02:44:17	225.0030	1102.5729	1955.2293	ID 4113.5150	212.5027	199051.7400	1440.1244	20.0000
3	02:44:54	250.0038	1045.0655	2010.2424	ID 4060.9893	527.5167	201010.4200	1572.6484	57.5002
4	02:45:31	235.0033	960.0553	1907.7183	ID 3975.9483	477.5137	198790.6200	1567.6474	60.0002
5	02:46:07	247.5037	990.0588	1845.2043	ID 4113.5150	450.0122	197794.8400	1602.6541	55.0002
x		254.0039	1049.5664	1926.2228	ID 4009.4652	369.5094	198826.5500	1534.6415	44.5001
%RSD		13.470	7.455	3.178	ID 3.450	43.570	0.697	4.380	40.977

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	02:43:40	65.0003	215.0028	45.0001	145.0013	25.8334	958.3884	65.8336	47.5001
2	02:44:17	45.0001	182.5020	62.5002	140.0012	24.1667	965.0559	59.1669	72.5003
3	02:44:54	60.0002	232.5032	57.5002	355.0076	40.0001	983.3914	66.6669	66.6669
4	02:45:31	55.0002	200.0024	67.5003	342.5070	25.8334	1014.2284	58.3335	57.5002
5	02:46:07	42.5001	187.5021	47.5001	227.5031	30.0001	985.8917	64.1669	60.8336
x		53.5002	203.5025	56.0002	242.0040	29.1667	981.3911	62.8336	61.0002
%RSD		17.977	10.078	17.175	42.791	22.039	2.220	6.121	15.528

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	02:43:40	1092179.7000	35.0001	5.0000	13.7500	1.2500	3.7500	1233437.1000	10.0000
2	02:44:17	1119911.4000	30.0001	7.5000	12.5000	1.2500	3.7500	1265307.0000	30.0001
3	02:44:54	1122235.1000	81.2504	2.5000	57.5002	2.5000	3.7500	1287717.1000	20.0000
4	02:45:31	1133674.3000	95.0005	10.0000	80.0004	1.2500	16.2500	1297136.6000	17.5000
5	02:46:07	1126687.7000	101.2506	0.0000	77.5004	3.7500	6.2500	1296802.6000	27.5000
x		1118937.6000	68.5003	5.0000	48.2502	2.0000	6.7500	1276080.1000	21.0000
%RSD		1.417	49.192	79.057	68.875	55.902	80.294	2.126	38.207

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	02:43:40	55.0002	7.5000	2.5000	T 1934813.0000	12.5000	26.2500	47.5001	35.0001
2	02:44:17	70.0003	0.0000	5.0000	T 2001072.8000	20.0000	45.0001	62.5002	35.0001
3	02:44:54	62.5002	15.0000	25.0000	T 2028750.3000	45.0001	107.5007	75.0003	75.0003
4	02:45:31	62.5002	7.5000	40.0001	T 2042639.9000	41.2501	97.5006	70.0003	57.5002
5	02:46:07	62.5002	7.5000	27.5000	T 2046099.6000	23.7500	86.2504	80.0004	52.5002
x		62.5002	7.5000	20.0000	T 2010675.1000	28.5001	72.5004	67.0003	51.0002
%RSD		8.485	70.711	79.550	T 2.286	49.174	48.445	18.916	32.993

Run	Time	208Pb	209Bi	220Bkg
1	02:43:40	127.5010	1304157.5000	0.0000
2	02:44:17	152.5014	1357292.0000	2.5000
3	02:44:54	145.0013	1380255.2000	0.0000
4	02:45:31	182.5020	1387360.4000	0.0000
5	02:46:07	137.5011	1395340.1000	0.0000
x		149.0014	1364881.0000	0.5000
%RSD		14.018	2.696	223.607

CRIF 07/08/2008 02:49:01

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	02:49:38	252672.5700	604.1886	2335.3272	290.0051	340.0069	4196.0561	795.0379	629902.1200
2	02:50:14	256563.7900	613.3559	2785.4655	420.0106	430.0111	4343.6317	905.0491	646277.4900
3	02:50:51	254843.0100	615.8561	3605.7799	490.0144	640.0246	4458.6925	982.5579	656977.5500
4	02:51:28	261378.3300	641.6914	7183.0945	1095.0719	980.0576	4853.9132	1350.1094	663886.7100
5	02:52:04	260867.6900	639.1912	7343.2340	975.0570	1285.0991	4946.4676	1295.1006	666745.7400
x		257265.0800	622.8566	4650.5802	654.0318	735.0399	4559.7522	1065.5710	652757.9200
%RSD		1.472	2.674	52.224	54.689	53.593	7.151	22.963	2.300

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	02:49:38	275.0045	16774.3660	7926.2678	ID 3755.8462	4281.0994	187283.6200	1550.1442	3750.8439
2	02:50:14	300.0054	16914.6490	7931.2725	ID 3838.3838	4291.1045	188168.2200	1692.6719	4065.9917
3	02:50:51	275.0045	17363.0700	7778.6287	ID 3898.4116	4436.1805	189871.2000	1645.1624	3780.8575
4	02:51:28	187.5021	17563.4890	8166.4995	ID 4133.5249	4413.6685	190740.7200	1557.6456	3928.4257
5	02:52:04	190.0022	17172.6760	7811.1591	ID 3975.9483	4468.6978	191262.4800	1482.6319	4008.4638
x		245.5038	17157.6500	7922.7655	ID 3920.4230	4378.1501	189465.2500	1585.6512	3906.9165
%RSD		21.511	1.873	1.922	ID 3.670	1.972	0.894	5.244	3.536

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	02:49:38	982.5579	4563.7493	2175.2839	1570.1479	544.1844	1692.6719	340.8403	45.0001
2	02:50:14	985.0582	4843.9074	2205.2918	1585.1507	550.8515	1728.5126	345.0071	50.8335
3	02:50:51	1000.0600	4778.8699	2432.8551	1652.6639	563.3524	1700.1734	319.1728	63.3336
4	02:51:28	982.5579	4863.9190	2302.8181	1920.2212	573.3531	1665.9999	348.3406	60.8336
5	02:52:04	967.5562	4828.8987	2300.3174	1810.1966	590.8543	1648.4964	357.5077	78.3337
x		983.5581	4775.8689	2283.3133	1707.6761	564.5191	1687.1708	342.1737	59.6669
%RSD		1.173	2.569	4.423	8.912	3.282	1.839	4.164	21.469

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	02:49:38	1034594.5000	2915.5099	50.0001	2656.6734	532.5170	1303.8520	1171001.0000	22.5000
2	02:50:14	1067890.8000	2949.2718	50.0001	2991.7870	613.7726	1347.6090	1214758.5000	32.5001
3	02:50:51	1086504.7000	3008.0428	25.0000	2986.7852	593.7712	1453.8768	1242095.3000	17.5000
4	02:51:28	1099275.7000	3221.8727	67.5003	2935.5169	656.2758	1508.8866	1255391.8000	20.0000
5	02:52:04	1108327.8000	3293.1506	70.0003	3111.8309	605.0220	1502.6355	1256325.6000	25.0000
x		1079318.7000	3077.5696	52.5002	2936.5187	600.2717	1423.3720	1227914.4000	23.5000
%RSD		2.710	5.506	34.339	5.765	7.438	6.530	2.929	24.491

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	02:49:38	3065.5638	3920.9222	6725.2126	T 1811298.8000	2229.0481	5504.3173	1940.2258	1647.6629
2	02:50:14	3078.0684	3770.8530	6890.3474	T 1885529.4000	2470.3661	5626.8991	2105.2659	1767.6875
3	02:50:51	3418.2009	4091.0039	6952.8994	T 1935847.5000	2554.1414	5834.5418	2150.2774	1617.6570
4	02:51:28	3508.2383	4186.0511	7223.1291	T 1972411.7000	2599.1553	6132.2554	2272.8099	1817.6982
5	02:52:04	3588.2724	4161.0386	7027.9623	T 1987844.6000	2454.1113	5907.0929	2372.8378	1745.1827
x		3331.6687	4025.9738	6963.9102	T 1918586.4000	2461.3644	5801.0213	2168.2834	1719.1777
%RSD		7.347	4.377	2.626	T 3.740	5.806	4.226	7.616	4.880

Run	Time	208Pb	209Bi	220Bkg
1	02:49:38	3955.9387	1210924.8000	0.0000
2	02:50:14	4143.5299	1272049.6000	2.5000
3	02:50:51	4326.1226	1314743.6000	0.0000
4	02:51:28	4328.6239	1339560.7000	0.0000
5	02:52:04	4493.7113	1349163.2000	0.0000
x		4249.5853	1297288.4000	0.5000
%RSD		4.839	4.374	223.607

CCV3 07/08/2008 02:54:57

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	02:55:34	245805.0200	146422.6700	737278.0900	101185.6000	117355.5600	613361.5100	23254.9020	613647.7200
2	02:56:10	251046.1700	147861.9200	748123.7200	103346.8900	119850.7000	621720.6600	23550.7310	622755.0300
3	02:56:47	250751.6700	147832.2300	755441.7900	106830.4000	124345.8400	623644.2200	24480.9060	624880.6400
4	02:57:24	249932.6000	146356.5300	758441.7900	106734.1800	123889.1200	622406.6400	23713.6920	622555.9500
5	02:58:00	252174.4800	147936.5600	761464.6900	107078.5600	124330.6200	623687.2700	24009.5380	628398.4600
x		249941.9900	147281.9800	752150.0100	105035.1300	121954.3700	620964.0600	23801.9540	622447.5600
%RSD		0.979	0.554	1.287	2.517	2.615	0.698	1.964	0.876

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	02:55:34	337.5068	804343.4700	755269.6900	ID 81698.5250	981288.0500	1418148.8000	29627.5740	981775.7900
2	02:56:10	255.0039	812987.4500	763094.1000	ID 83208.3540	989628.2700	1433615.7000	30759.1630	979146.7800
3	02:56:47	225.0030	812316.5200	765776.7300	ID 84102.2610	995668.2100	1442949.8000	31271.0630	990759.0400
4	02:57:24	190.0022	817181.9700	763151.5200	ID 85011.4160	997350.1300	1445851.7000	30806.8390	985476.8000
5	02:58:00	195.0023	826136.0900	774746.7100	ID 85018.9930	1003325.1000	1461857.0000	31459.2690	995845.0900
x		240.5036	814593.1000	764407.7500	ID 83807.9100	993451.9500	1440484.6000	30784.7820	986600.7000
%RSD		25.018	0.976	0.915	ID 1.667	0.842	1.118	2.315	0.685

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	02:55:34	219919.0700	536157.8500	258755.8600	148023.0800	131768.6100	34634.3230	13784.7250	55.8335
2	02:56:10	220011.4600	541624.9600	259111.6600	148506.5700	134898.0800	34869.4670	14137.8160	50.0001
3	02:56:47	222082.8300	543997.2500	263343.7700	149720.5000	135399.4500	34963.1920	14045.1590	66.6669
4	02:57:24	222657.8800	544655.7400	263274.1200	151695.7400	135399.4500	35101.2710	14109.4340	70.8336
5	02:58:00	222236.8600	543530.7300	263121.9300	152454.4000	136082.1000	35183.2820	14097.7480	41.6668
x		221381.6200	541993.3100	261521.4700	150080.0600	134709.5400	34950.3070	14034.9770	57.0002
%RSD		0.592	0.637	0.905	1.294	1.260	0.613	1.025	20.948

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	02:55:34	1005317.7000	705497.0300	9180.0536	688532.3800	142274.2400	336885.8600	1142376.2000	20.0000
2	02:56:10	1031989.2000	721115.2200	9820.7835	703743.9500	145239.7400	344130.5500	1174856.3000	25.0000
3	02:56:47	1037668.8000	732448.8200	9688.1283	715103.8600	147977.2700	349413.7200	1186030.6000	17.5000
4	02:57:24	1045850.6000	737483.9100	9718.1633	717824.7700	148342.4300	351962.7000	1200160.3000	15.0000
5	02:58:00	1054139.0000	740427.2800	10236.2830	720586.0000	149669.6000	355721.0900	1208901.4000	20.0000
x		1034993.0000	727394.4500	9728.6823	709158.1900	146700.6600	347622.7900	1182465.0000	19.5000
%RSD		1.795	1.964	3.876	1.860	2.013	2.110	2.193	19.016

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	02:55:34	393705.6200	93673.5410	164212.1500	T 1789099.1000	572555.9600	1396175.5000	482458.0400	382755.2600
2	02:56:10	408865.0700	96546.0470	170381.6700	T 1846268.8000	592297.8900	1452516.6000	502011.2800	397473.3100
3	02:56:47	414779.3600	97944.7270	171682.9700	1804062.9000	607056.5000	1484629.5000	512690.4300	405881.9200
4	02:57:24	420934.2500	98673.2460	174043.6900	1828678.2000	614443.2600	1502829.0000	519835.8400	412103.9000
5	02:58:00	421911.8800	99391.7090	175968.4800	T 1912223.3000	620663.5600	1528470.7000	525877.8100	417600.1300
x		412039.2400	97245.8540	171257.7900	T 1836066.5000	601403.4300	1472924.2000	508574.6800	403162.9000
%RSD		2.794	2.321	2.620	T 2.610	3.207	3.466	3.360	3.384

Run	Time	208Pb	209Bi	220Bkg
1	02:55:34	979597.9700	1200327.0000	2.5000
2	02:56:10	1025456.7000	1252544.8000	0.0000
3	02:56:47	1041534.4000	1269300.1000	0.0000
4	02:57:24	1053308.1000	1296101.3000	0.0000
5	02:58:00	1074103.4000	1312269.0000	2.5000
x		1034800.1000	1266108.4000	1.0000
%RSD		3.440	3.432	136.931

CCB3 07/08/2008 03:00:52

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	03:01:28	245195.7900	20.0000	910.0497	135.0011	160.0015	1365.1118	580.0202	601846.9900
2	03:02:05	246275.2700	21.6667	1360.1110	140.0012	190.0022	1442.6249	622.5233	617173.0800
3	03:02:42	249499.9200	54.1668	2525.3826	310.0058	405.0098	1692.6719	742.5331	626185.8600
4	03:03:18	252172.7600	30.0001	2025.2461	320.0061	330.0065	1642.6619	655.0257	637013.3500
5	03:03:55	249930.0300	38.3334	2025.2461	290.0051	260.0041	1567.6474	655.0257	636132.2100
x		248614.7600	32.8334	1769.2071	239.0039	269.0048	1542.1436	651.0256	623670.3000
%RSD		1.144	42.606	35.842	39.038	37.370	8.859	9.171	2.349

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	03:01:28	272.5045	435.0114	1770.1880	ID 3528.2468	290.0051	169440.2600	1582.6503	72.5003
2	03:02:05	255.0039	450.0122	1725.1786	ID 3465.7205	312.5059	172144.8500	1620.1575	115.0008
3	03:02:42	227.5031	605.0220	1932.7241	ID 3653.3006	540.0175	175835.7200	1585.1507	312.5059
4	03:03:18	232.5032	420.0106	1840.2032	ID 3628.2897	490.0144	177102.1200	1592.6522	210.0027
5	03:03:55	217.5028	432.5112	1817.6982	ID 3858.3930	460.0127	177137.8700	1485.1323	240.0035
x		241.0035	468.5135	1817.1984	ID 3626.7901	418.5111	174332.1700	1573.1486	190.0026
%RSD		9.267	16.446	4.311	ID 4.136	26.540	1.956	3.268	50.850

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	03:01:28	57.5002	380.0087	167.5017	255.0039	19.1667	920.0508	60.8336	35.0001
2	03:02:05	95.0005	397.5095	162.5016	325.0063	34.1667	877.5462	68.3336	47.5001
3	03:02:42	100.0006	435.0114	157.5015	377.5086	58.3335	978.3908	60.0002	44.1668
4	03:03:18	80.0004	395.0094	175.0018	362.5079	45.0001	880.8799	61.6669	49.1668
5	03:03:55	87.5005	405.0098	142.5012	362.5079	45.8335	900.8820	60.0002	55.8335
x		84.0004	402.5097	161.0016	336.5069	40.5001	911.5499	62.1669	46.3335
%RSD		19.809	5.046	7.575	14.715	36.246	4.507	5.656	16.464

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	03:01:28	991151.9000	78.7504	10.0000	58.7502	11.2500	25.0000	1111405.0000	30.0001
2	03:02:05	1019790.5000	86.2504	0.0000	60.0002	22.5000	40.0001	1160569.1000	17.5000
3	03:02:42	1044046.5000	120.0009	2.5000	121.2509	32.5001	105.0007	1195202.9000	12.5000
4	03:03:18	1053039.6000	76.2503	5.0000	95.0005	27.5000	93.7505	1209841.9000	17.5000
5	03:03:55	1067760.6000	97.5006	12.5000	100.0006	35.0001	63.7502	1214301.0000	17.5000
x		1035157.8000	91.7505	6.0000	87.0005	25.7500	65.5003	1178264.0000	19.0000
%RSD		2.912	19.426	86.402	31.126	36.585	52.065	3.642	34.312

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	03:01:28	592.5211	15.0000	10.0000	1666295.8000	61.2502	207.5026	120.0009	60.0002
2	03:02:05	680.0278	10.0000	37.5001	T 1821627.0000	101.2506	262.5041	107.5007	87.5005
3	03:02:42	787.5372	47.5001	70.0003	1802841.0000	248.7537	618.7730	205.0025	167.5017
4	03:03:18	680.0278	17.5000	70.0003	1843816.2000	223.7530	470.0133	172.5018	117.5008
5	03:03:55	640.0246	32.5001	45.0001	T 1924993.6000	146.2513	470.0133	167.5017	122.5009
x		676.0277	24.5000	46.5002	T 1811914.7000	156.2518	405.7612	154.5015	111.0008
%RSD		10.650	62.653	53.978	T 5.176	50.862	41.507	25.976	36.373

Run	Time	208Pb	209Bi	220Bkg
1	03:01:28	140.0012	1169721.0000	0.0000
2	03:02:05	235.0033	1232700.3000	0.0000
3	03:02:42	360.0078	1280026.3000	0.0000
4	03:03:18	367.5081	1296579.0000	0.0000
5	03:03:55	370.0082	1319338.2000	0.0000
x		294.5057	1259673.0000	0.0000
%RSD		35.096	4.722	0.000

MH25B3 07/08/2008 03:06:47

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	03:07:24	244843.1500	17.5000	TM 18473457.0000	TM 2549483.8000	TM 2968067.9000	156967.0300	TM 2646614.5000	594476.3500
2	03:08:01	250955.1600	15.0000	TM 19227172.0000	TM 2673370.2000	TM 3108562.6000	159091.7500	TM 2761915.8000	612923.4800
3	03:08:38	251761.4400	11.6667	TM 19739174.0000	TM 2749202.6000	TM 3185975.8000	163480.4800	TM 2824596.0000	619172.2700
4	03:09:14	253923.0600	18.3334	TM 20008625.0000	TM 2791726.9000	TM 3234572.4000	162019.8600	TM 2854997.7000	629367.6600
5	03:09:51	255805.1600	21.6667	TM 20333068.0000	TM 2827355.4000	TM 3303167.8000	163725.2100	TM 2908995.2000	632079.3100
x		251457.5900	16.8334	TM 19556299.0000	TM 2718227.8000	TM 3160069.3000	161056.8700	TM 2799423.8000	617603.8200
%RSD		1.653	22.250	TM 3.725	TM 4.062	TM 4.072	1.824	TM 3.594	2.438

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	03:07:24	832.5416	22663.2760	3535.7499	ID 25536.5670	841522.3500	573976.3500	53642.0950	3008.0428
2	03:08:01	892.5478	23931.8150	3500.7352	ID 26770.4300	874336.5700	593870.3500	53075.9870	2958.0249
3	03:08:38	822.5406	25298.3420	3358.1765	ID 27051.3350	886573.8000	603821.1600	48945.8210	2943.0196
4	03:09:14	877.5462	25203.0540	3525.7457	ID 27048.8270	891980.1400	609892.7800	48722.0150	2775.4621
5	03:09:51	795.0379	26394.2330	3508.2383	ID 27956.8160	900141.7100	616769.8000	46856.3620	2882.9986
x		844.0428	24698.1440	3485.7291	ID 26872.7950	878910.9100	599666.0900	50248.4560	2913.5096
%RSD		4.765	5.804	2.084	ID 3.241	2.606	2.775	5.891	3.059

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	03:07:24	3830.8803	14071.8710	6827.7960	461132.6000	3715.8283	912.5500	125.8343	59.1669
2	03:08:01	3793.3632	14429.9830	6907.8619	473981.7800	3873.4000	958.3884	131.6677	52.5002
3	03:08:38	3650.7995	14339.8270	7333.2252	483532.7200	4073.4954	938.3862	137.5011	53.3335
4	03:09:14	3523.2446	14647.8620	7280.6791	487631.5100	4120.1850	920.8842	141.6679	40.8334
5	03:09:51	3593.2745	14705.4640	7193.1031	492930.0100	4121.0187	972.5568	130.0010	48.3335
x		3678.3124	14439.0010	7108.5331	479841.7200	3980.7855	940.5531	133.3344	50.8335
%RSD		3.559	1.763	3.195	2.615	4.519	2.668	4.698	13.368

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	03:07:24	966581.4900	762.5349	127.5010	751.2839	1950.2282	4688.8187	1074873.9000	32.5001
2	03:08:01	1003280.1000	777.5363	192.5022	673.7772	2102.7653	5027.7662	1123363.0000	77.5004
3	03:08:38	1027389.4000	793.7878	150.0014	852.5436	2146.5264	5069.0412	1153378.4000	80.0004
4	03:09:14	1038729.6000	775.0360	130.0010	763.7850	2169.0322	5207.8768	1171333.1000	77.5004
5	03:09:51	1052372.7000	808.7893	162.5016	785.0370	2191.5381	5374.2324	1189028.6000	50.0001
x		1017670.7000	783.5369	152.5014	765.2853	2112.0180	5073.5471	1142395.4000	63.5003
%RSD		3.318	2.294	17.465	8.412	4.555	5.011	3.928	33.476

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	03:07:24	11628.1070	21803.4860	37348.5080	T 1748617.4000	445.0119	1046.3157	130039.2600	112843.8900
2	03:08:01	11888.4740	22678.3160	40045.9900	T 1845658.2000	437.5115	1051.3163	139136.9300	120013.0100
3	03:08:38	12514.3900	23269.9440	40852.3900	1837767.9000	445.0119	1143.8285	142915.0600	123848.5200
4	03:09:14	12767.2730	23407.8290	40970.4680	1879483.6000	511.2657	1298.8512	147096.8900	126873.5200
5	03:09:51	12874.9380	23966.9150	41450.3320	T 1977923.4000	567.5193	1406.3687	150148.0900	128944.9500
x		12334.6360	23025.2980	40133.5380	T 1857890.1000	481.2641	1189.3361	141867.2500	122504.7800
%RSD		4.458	3.572	4.078	T 4.452	11.792	13.339	5.510	5.193

Run	Time	208Pb	209Bi	220Bkg
1	03:07:24	286258.6200	1091673.1000	0.0000
2	03:08:01	302984.6400	1167353.4000	0.0000
3	03:08:38	311526.0700	1205080.3000	0.0000
4	03:09:14	321000.6600	1232649.9000	0.0000
5	03:09:51	326396.8200	1257460.4000	2.5000
x		309633.3600	1190843.4000	0.5000
%RSD		5.118	5.438	223.607

MH25B4 07/08/2008 03:12:43

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	03:13:20	246171.4300	6.6667	TM 38169757.0000	TM 5282617.8000	TM 6129428.2000	63795.7630	TM 5637606.7000	596428.7200
2	03:13:56	247865.5600	13.3333	TM 38978464.0000	TM 5438489.6000	TM 6326834.1000	64239.1490	TM 5798373.1000	606843.0100
3	03:14:33	248956.5300	16.6667	TM 40037366.0000	TM 5526378.9000	TM 6484723.8000	65284.7280	TM 5911472.5000	616022.4400
4	03:15:10	248145.3700	19.1667	TM 40442776.0000	TM 5622616.9000	TM 6541547.4000	64350.0000	TM 5909470.8000	618602.1800
5	03:15:46	249263.8500	20.0000	TM 40545600.0000	TM 5620253.2000	TM 6534983.3000	64649.8070	TM 6031653.2000	617886.9300
x		248080.5500	15.1667	TM 39634792.0000	TM 5498071.3000	TM 6403503.4000	64463.8890	TM 5857715.3000	611156.6600
%RSD		0.488	35.693	TM 2.592	TM 2.592	TM 2.749	0.856	TM 2.529	1.552
Run	**Time**	**47Ti**	**51V**	**52Cr**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**
1	03:13:20	857.5441	25985.4520	3035.5528	ID 30736.5800	T 7105004.8000	695175.0900	100122.8800	4438.6818
2	03:13:56	897.5483	27166.7100	3165.6011	ID 31562.1570	T 7225366.3000	707796.5400	97122.6900	4446.1858
3	03:14:33	867.5452	27209.3490	3060.5619	ID 32146.8860	T 7318414.6000	713172.1300	95668.5140	4656.3005
4	03:15:10	860.0444	26865.7360	3075.5674	ID 32390.3260	T 7382119.0000	722621.4300	91016.8440	4396.1593
5	03:15:46	747.5335	27342.2830	3063.0628	ID 32267.3500	T 7414369.3000	721600.9300	90597.3100	4483.7059
x		846.0431	26913.9060	3080.0692	ID 31820.6600	T 7289054.8000	712073.2200	94905.6480	4484.2067
%RSD		6.776	2.034	1.622	ID 2.150	T 1.724	1.581	4.293	2.255
Run	**Time**	**60Ni**	**63Cu**	**65Cu**	**66Zn**	**75As**	**78Se**	**82Se**	**83Kr**
1	03:13:20	6092.2261	4273.5955	2985.5347	106615.1700	3810.0375	764.2017	85.8338	41.6668
2	03:13:56	6142.2628	4473.7005	3030.5510	107942.0900	3842.5524	748.3669	112.5008	63.3336
3	03:14:33	5912.0964	4461.1938	3008.0428	109707.4200	4005.9626	745.8667	97.5006	57.5002
4	03:15:10	5882.0752	4348.6343	2837.9832	109998.7200	3899.2454	765.8685	88.3338	51.6668
5	03:15:46	5929.6089	4446.1858	2968.0285	108810.7800	3978.4495	782.5367	87.5005	53.3335
x		5991.6539	4400.6620	2966.0280	108614.8400	3907.2495	761.3681	94.3339	53.5002
%RSD		1.957	1.965	2.540	1.269	2.161	1.954	11.793	14.957
Run	**Time**	**89Y**	**107Ag**	**108Mo O**	**109Ag**	**111Cd**	**114Cd**	**115In**	**118Sn**
1	03:13:20	954872.4400	137.5011	15.0000	142.5012	107.5007	238.7534	1072086.8000	50.0001
2	03:13:56	987395.2100	168.7517	12.5000	148.7513	116.2508	270.0044	1102244.7000	42.5001
3	03:14:33	992597.2000	176.2519	32.5001	137.5011	120.0009	290.0051	1122554.1000	52.5002
4	03:15:10	1012622.9000	230.0032	22.5000	223.7530	148.7513	312.5059	1138027.1000	52.5002
5	03:15:46	1009486.9000	188.7521	10.0000	198.7524	152.5014	310.0058	1142815.8000	77.5004
x		991394.9200	180.2520	18.5000	170.2518	129.0010	284.2549	1115545.7000	55.0002
%RSD		2.327	18.656	49.283	22.710	15.735	10.797	2.600	24.052
Run	**Time**	**121Sb**	**135Ba**	**137Ba**	**159Tb**	**203Tl**	**205Tl**	**206Pb**	**207Pb**
1	03:13:20	5204.1245	23884.1780	41573.4430	1699129.0000	522.5164	1276.3477	18330.1370	15792.4500
2	03:13:56	5421.7632	24503.4720	42520.7050	1756977.3000	557.5187	1281.3485	19430.1250	16754.3260
3	03:14:33	5659.4211	24779.2860	43508.2830	1798516.2000	567.5193	1311.3532	19688.2300	16974.7710
4	03:15:10	5611.8890	25160.4260	43219.2850	1821233.8000	576.2699	1495.1341	20515.2210	17074.9750
5	03:15:46	5574.3638	25506.4750	44533.6780	1841716.5000	601.2717	1405.1185	20397.4330	17408.1640
x		5494.3123	24766.7670	43071.0780	1783514.6000	565.0192	1353.8604	19672.2290	16800.9370
%RSD		3.368	2.514	2.569	3.179	5.091	6.974	4.473	3.637
Run	**Time**	**208Pb**	**209Bi**	**220Bkg**					
1	03:13:20	40658.9480	1095055.5000	0.0000					
2	03:13:56	41995.5520	1138129.8000	2.5000					
3	03:14:33	42621.2160	1163376.9000	0.0000					
4	03:15:10	43375.0910	1180119.2000	0.0000					
5	03:15:46	43834.9880	1203314.0000	0.0000					
x		42497.1590	1155999.1000	0.5000					
%RSD		2.931	3.595	223.607					

MH25B5 07/08/2008 03:18:38

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	03:19:15	249044.0900	17.5000	TM 37512564.0000	TM 5213117.4000	TM 6027158.8000	43968.1870	TM 5542873.4000	593021.7500
2	03:19:51	246218.6300	10.0000	TM 38696079.0000	TM 5397374.8000	TM 6271016.9000	43146.4080	TM 5688263.8000	604410.4100
3	03:20:28	250424.5500	13.3333	TM 39492624.0000	TM 5530217.1000	TM 6386852.3000	44591.4860	TM 5808006.6000	610810.2100
4	03:21:04	251788.0600	13.3333	TM 39941747.0000	TM 5580244.4000	TM 6453894.2000	44277.3170	TM 5907594.1000	622706.6000
5	03:21:41	251368.1600	10.0000	TM 40200711.0000	TM 5593840.9000	TM 6487174.4000	44709.6160	TM 5904253.7000	620678.3500
x		249768.7000	12.8333	TM 39168745.0000	TM 5462958.9000	TM 6325219.3000	44138.6030	TM 5770198.3000	610325.4600
%RSD		0.900	24.122	TM 2.777	TM 2.925	TM 2.940	1.417	TM 2.694	1.999
Run	**Time**	**47Ti**	**51V**	**52Cr**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**
1	03:19:15	782.5367	27249.4790	3143.0926	ID 29798.1810	T 6970708.0000	671196.3600	101613.2600	4756.3570
2	03:19:51	780.0365	27129.0870	3170.6030	ID 30591.0460	T 7089131.8000	686048.2600	98594.8260	4416.1698
3	03:20:28	822.5406	27329.7420	2950.5222	ID 30515.7710	T 7245539.4000	695913.0300	93805.0080	4383.6527
4	03:21:04	742.5331	27415.0210	3345.6715	ID 31100.4260	T 7267252.0000	694488.7500	93228.5930	4346.1330
5	03:21:41	772.5358	27086.4490	3000.5401	ID 30761.6720	T 7307332.6000	700865.9100	94485.1270	4303.6110
x		780.0366	27241.9560	3122.0859	ID 30553.4190	T 7175992.8000	689702.4600	96345.3630	4441.1847
%RSD		3.669	0.501	4.988	ID 1.566	T 1.972	1.688	3.758	4.078
Run	**Time**	**60Ni**	**63Cu**	**65Cu**	**66Zn**	**75As**	**78Se**	**82Se**	**83Kr**
1	03:19:15	6379.9413	3133.0889	2520.3811	101742.3200	3740.8394	727.5318	80.8337	57.5002
2	03:19:51	6287.3710	3305.6555	2352.8321	104582.1500	3717.4957	711.6971	100.0006	49.1668
3	03:20:28	6134.7573	3310.6575	2505.3766	105726.4600	3820.0420	721.6979	80.8337	54.1668
4	03:21:04	6252.3446	3380.6856	2315.3216	105404.9200	3816.7072	725.8649	96.6672	57.5002
5	03:21:41	5977.1428	3470.7226	2342.8293	106220.1800	3855.8919	735.0324	80.0004	55.8335
x		6206.3114	3320.1620	2407.3481	104735.2100	3790.1952	724.3648	87.6671	54.8335
%RSD		2.502	3.739	4.048	1.696	1.540	1.183	11.195	6.303
Run	**Time**	**89Y**	**107Ag**	**108Mo O**	**109Ag**	**111Cd**	**114Cd**	**115In**	**118Sn**
1	03:19:15	954070.4000	126.2510	10.0000	81.2504	101.2506	272.5045	1049383.7000	95.0005
2	03:19:51	981153.5000	106.2507	25.0000	91.2505	122.5009	227.5031	1097571.4000	85.0004
3	03:20:28	991295.0100	83.7504	10.0000	73.7503	137.5011	305.0056	1119387.6000	97.5006
4	03:21:04	1006295.8000	107.5007	20.0000	102.5006	102.5006	281.2548	1125157.6000	67.5003
5	03:21:41	1006321.1000	138.7512	20.0000	101.2506	103.7507	287.5050	1131367.6000	97.5006
x		987827.1800	112.5008	17.0000	90.0005	113.5008	274.7546	1104573.6000	88.5005
%RSD		2.194	18.692	39.460	13.889	14.091	10.545	3.022	14.487
Run	**Time**	**121Sb**	**135Ba**	**137Ba**	**159Tb**	**203Tl**	**205Tl**	**206Pb**	**207Pb**
1	03:19:15	4933.9602	23046.8250	40234.3940	1652530.8000	486.2642	1181.3337	14242.1600	12401.7210
2	03:19:51	5034.0200	23427.8860	41382.4960	1739260.7000	523.7665	1300.1014	14825.6760	13065.2340
3	03:20:28	5239.1464	24498.4580	42337.2740	1782098.1000	551.2682	1265.0960	15516.9330	13495.9200
4	03:21:04	5276.6701	24182.5370	43246.9270	1793175.2000	531.2669	1255.0945	15491.8870	13701.2540
5	03:21:41	5116.5703	24736.6600	43543.4660	1809262.8000	575.0198	1306.3524	15536.9700	13678.7170
x		5120.0734	23978.4730	42148.9120	1755265.5000	533.5171	1261.5956	15122.7250	13268.5690
%RSD		2.775	2.991	3.235	3.590	6.196	3.960	3.809	4.128
Run	**Time**	**208Pb**	**209Bi**	**220Bkg**					
1	03:19:15	30651.2670	1058700.3000	0.0000					
2	03:19:51	32315.0340	1117665.2000	0.0000					
3	03:20:28	33652.8140	1146380.5000	0.0000					
4	03:21:04	33690.4650	1170572.9000	0.0000					
5	03:21:41	34079.5430	1170358.1000	0.0000					
x		32877.8250	1132735.4000	0.0000					
%RSD		4.296	4.127	0.000					

MH25B6 07/08/2008 03:24:34

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	03:25:10	248619.1800	24.1667	TM 18147252.0000	TM 2519797.0000	TM 2933781.2000	280965.4700	TM 2596070.0000	599352.7400
2	03:25:47	255028.5600	14.1667	TM 18719996.0000	TM 2610613.8000	TM 3017058.4000	287531.3300	TM 2667257.6000	611336.8000
3	03:26:24	255122.2000	16.6667	TM 18890854.0000	TM 2643921.9000	TM 3088476.3000	291764.7200	TM 2721955.7000	618508.0600
4	03:27:00	254303.5700	10.0000	TM 19127015.0000	TM 2670464.4000	TM 3118299.5000	292049.4400	TM 2744925.9000	627010.8100
5	03:27:37	254459.9000	10.0000	TM 19408099.0000	TM 2691954.2000	TM 3129786.7000	293141.8100	TM 2759413.6000	630411.0200
x		253506.6800	15.0000	TM 18858643.0000	TM 2627350.3000	TM 3057480.4000	289090.5600	TM 2697924.6000	617323.8900
%RSD		1.087	39.087	TM 2.516	TM 2.564	TM 2.678	1.736	TM 2.478	2.025
Run	**Time**	**47Ti**	**51V**	**52Cr**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**
1	03:25:10	1005.0606	29865.9230	3868.3977	ID 26870.7530	673482.7300	599975.2300	53634.5460	2852.9883
2	03:25:47	1100.0726	30011.4440	3873.4000	ID 27460.1690	697256.1300	611499.3500	52585.3920	2850.4874
3	03:26:24	1015.0618	29813.2350	3798.3655	ID 27906.6490	702052.3100	620165.9900	51533.8530	3063.0628
4	03:27:00	1137.5776	29562.3430	3785.8598	ID 28601.4990	706973.3700	621656.1000	49951.7630	2940.5187
5	03:27:37	1037.5646	29451.9530	3783.3586	ID 28676.7570	709638.7600	624935.8000	48450.4380	2760.4571
x		1059.0675	29740.9800	3821.8763	ID 27903.1650	697880.6600	615646.4900	51231.1990	2893.5029
%RSD		5.416	0.769	1.181	ID 2.746	2.069	1.636	4.032	3.946
Run	**Time**	**60Ni**	**63Cu**	**65Cu**	**66Zn**	**75As**	**78Se**	**82Se**	**83Kr**
1	03:25:10	3980.9507	12439.2770	6224.8240	456204.6600	3740.0057	883.3802	127.5010	61.6669
2	03:25:47	3830.8803	12737.2270	6457.5010	465606.3500	3921.7559	917.5505	135.0011	60.8336
3	03:26:24	3685.8149	13135.3440	6520.0497	472239.4200	4043.4807	845.0428	146.6680	51.6668
4	03:27:00	3780.8575	12822.3570	6329.9031	474664.0200	3998.4590	892.5478	130.8344	65.8336
5	03:27:37	3678.3116	12909.9920	6137.2591	477785.0100	3898.4116	924.2179	147.5013	69.1670
x		3791.3630	12808.8400	6333.9074	469299.8900	3920.4226	892.5478	137.5011	61.8336
%RSD		3.271	1.986	2.503	1.828	2.971	3.529	6.653	10.672
Run	**Time**	**89Y**	**107Ag**	**108Mo O**	**109Ag**	**111Cd**	**114Cd**	**115In**	**118Sn**
1	03:25:10	974272.0000	877.5462	160.0015	802.5386	1897.7161	4787.6249	1075361.2000	97.5006
2	03:25:47	990730.9800	933.8023	182.5020	847.5431	2062.7553	4972.7332	1112321.0000	117.5008
3	03:26:24	1011773.4000	940.0530	155.0014	850.0434	2052.7528	4970.2318	1135063.2000	107.5007
4	03:27:00	1021443.2000	1012.5615	155.0014	951.3043	2038.9994	5012.7572	1150192.3000	100.0006
5	03:27:37	1032099.1000	925.0513	175.0018	951.3043	2141.5251	5127.8272	1153441.2000	127.5010
x		1006063.7000	937.8029	165.5017	880.5467	2038.7497	4974.2349	1125275.8000	110.0007
%RSD		2.327	5.170	7.583	7.643	4.334	2.460	2.869	11.364
Run	**Time**	**121Sb**	**135Ba**	**137Ba**	**159Tb**	**203Tl**	**205Tl**	**206Pb**	**207Pb**
1	03:25:10	11568.0240	22004.0120	37421.3330	1668831.0000	445.0119	1061.3176	102177.6000	87982.0110
2	03:25:47	12539.4270	22319.8510	39360.2350	T 1819405.3000	440.0116	1067.5684	106065.7300	90847.5120
3	03:26:24	12762.2650	22823.7130	39942.9980	1786957.6000	428.7610	1092.5716	109641.5600	93842.9310
4	03:27:00	12459.3070	23518.1390	40430.3390	1829959.0000	516.2660	1170.0821	110852.4200	95521.8460
5	03:27:37	12629.5630	23259.9160	40852.3900	T 1915259.0000	448.7621	1187.5846	112324.4400	97916.9030
x		12391.7170	22785.1260	39601.4590	T 1804082.4000	455.7625	1115.8249	108212.3500	93222.2410
%RSD		3.825	2.768	3.383	T 4.946	7.603	5.289	3.781	4.183
Run	**Time**	**208Pb**	**209Bi**	**220Bkg**					
1	03:25:10	220067.9300	1090798.9000	0.0000					
2	03:25:47	229512.6300	1130261.6000	0.0000					
3	03:26:24	235272.4600	1167705.5000	0.0000					
4	03:27:00	241386.1200	1188219.5000	0.0000					
5	03:27:37	243334.0700	1210632.8000	0.0000					
x		233914.6400	1157523.7000	0.0000					
%RSD		4.042	4.112	0.000					

MH25B7 07/08/2008 03:30:30

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	03:31:06	249321.3600	25.8334	TM 14430696.0000	TM 2013213.7000	T 2321805.5000	670441.5800	TM 2142896.6000	595787.7200
2	03:31:43	252735.2600	24.1667	TM 14768711.0000	TM 2075297.9000	TM 2383355.3000	677318.1600	TM 2207165.6000	607470.0700
3	03:32:20	256495.0500	23.3334	TM 15035716.0000	TM 2087745.1000	TM 2440879.2000	687145.9000	TM 2231174.2000	617885.5800
4	03:32:56	254329.3400	30.0001	TM 15161651.0000	TM 2129185.1000	TM 2477463.4000	690211.9000	TM 2247350.9000	621138.3000
5	03:33:33	252842.6100	24.1667	TM 15223429.0000	TM 2142000.9000	TM 2472846.6000	686403.2800	TM 2246737.9000	618768.9000
x		253144.7200	25.5000	TM 14924041.0000	TM 2089488.5000	TM 2419270.0000	682304.1700	TM 2215065.0000	612210.1100
%RSD		1.036	10.488	TM 2.187	TM 2.435	TM 2.735	1.200	TM 1.965	1.727

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	03:31:06	1595.1527	30480.6420	4743.8499	ID 60881.5850	838711.5500	1192977.8000	60513.9210	3940.9316
2	03:31:43	1680.1694	31070.3140	5126.5764	ID 62455.6690	853144.7400	1221509.3000	60284.7690	4276.0968
3	03:32:20	1722.6780	30493.1880	4838.9045	ID 64264.3430	869112.6800	1252056.4000	59458.8670	4113.5150
4	03:32:56	1667.6669	31190.7630	4823.8958	ID 63732.7840	873865.8200	1251591.2000	58600.3180	4000.9602
5	03:33:33	1605.1546	31592.2710	4653.7991	ID 64521.3170	877133.8900	1263599.7000	57935.6950	3993.4566
x		1654.1643	30965.4360	4837.4051	ID 63171.1390	862393.7400	1236346.9000	59358.7140	4064.9921
%RSD		3.233	1.543	3.673	ID 2.386	1.870	2.331	1.846	3.290

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	03:31:06	3833.3815	37197.8360	18159.7650	673775.0000	6545.0693	859.2110	137.5011	65.8336
2	03:31:43	3775.8552	36796.0580	17788.9670	690643.0100	6733.5527	857.5441	139.1678	63.3336
3	03:32:20	3535.7499	38162.1820	18480.4690	697961.6900	6693.5204	880.0465	109.1674	51.6668
4	03:32:56	3833.3815	37931.1300	17826.5470	698580.4500	6831.9661	907.5494	141.6679	63.3336
5	03:33:33	3588.2724	37461.5130	18903.9170	703768.3900	6791.9334	918.3839	132.5011	59.1669
x		3713.3281	37509.7440	18231.9330	692945.7100	6719.2084	884.5470	132.0011	60.6669
%RSD		3.806	1.468	2.571	1.687	1.650	3.130	9.998	9.184

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	03:31:06	956292.2400	1420.1210	222.5030	1278.8481	2979.2825	6952.8994	1066280.3000	202.5025
2	03:31:43	993515.0200	1430.1227	205.0025	1323.8551	3048.0573	7219.3758	1108012.2000	205.0025
3	03:32:20	1006298.6000	1440.1244	242.5035	1423.8716	3165.6011	7467.0940	1126870.0000	187.5021
4	03:32:56	1013933.8000	1467.6292	237.5034	1447.6257	3215.6203	7395.7804	1142019.4000	232.5032
5	03:33:33	1017741.2000	1562.6465	210.0027	1437.6240	3168.1021	7627.2389	1139470.8000	220.0029
x		997556.1900	1464.1288	223.5030	1382.3649	3115.3327	7332.4777	1116530.5000	209.5027
%RSD		2.492	3.951	7.361	5.506	3.145	3.516	2.790	8.242

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	03:31:06	15369.1600	21181.8860	37017.0330	1643951.1000	516.2660	1276.3477	411421.3900	354391.1900
2	03:31:43	16195.7230	21896.2290	38232.5030	1726250.7000	585.0205	1286.3493	431617.9800	372017.5200
3	03:32:20	16358.5400	22352.4380	39679.2420	T 1851186.9000	562.5190	1351.3596	446444.2700	384079.1300
4	03:32:56	16982.2860	22843.7670	39382.8410	1805644.4000	572.5197	1360.1110	450562.2700	391096.9900
5	03:33:33	16661.6400	22756.0280	39505.9220	1807302.9000	581.2703	1440.1244	451762.1800	391730.7400
x		16313.4700	22206.0700	38763.5080	T 1766867.2000	563.5191	1342.8584	438361.6200	378663.1200
%RSD		3.724	3.084	2.915	T 4.651	4.934	4.918	3.893	4.150

Run	Time	208Pb	209Bi	220Bkg
1	03:31:06	898406.0400	1079141.2000	0.0000
2	03:31:43	946135.0500	1136553.6000	0.0000
3	03:32:20	981405.7800	1172367.0000	0.0000
4	03:32:56	991570.0300	1187084.8000	0.0000
5	03:33:33	997703.9700	1195277.5000	2.5000
x		963044.1700	1154084.8000	0.5000
%RSD		4.286	4.120	223.607

MH25B8 07/08/2008 03:36:26

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	03:37:02	247927.3500	20.0000	TM 16904316.0000	TM 2358026.9000	TM 2735412.6000	360941.0100	TM 2459537.5000	597199.8700
2	03:37:39	250331.8200	18.3334	TM 17548907.0000	TM 2425619.0000	TM 2844246.2000	370290.6000	TM 2543874.1000	610943.2000
3	03:38:16	251506.4100	18.3334	TM 17779207.0000	TM 2498003.6000	TM 2893171.0000	374625.5400	TM 2595657.2000	615822.1700
4	03:38:52	250926.8200	20.0000	TM 18042291.0000	TM 2514289.0000	TM 2928223.6000	374309.3000	TM 2623831.9000	623936.1600
5	03:39:29	252396.9000	23.3334	TM 18270719.0000	TM 2518192.3000	TM 2935859.8000	373517.4300	TM 2674226.2000	625969.2100
x		250617.8600	20.0000	TM 17709088.0000	TM 2462826.2000	TM 2867382.6000	370736.7800	TM 2579425.4000	614774.1200
%RSD		0.673	10.206	TM 2.968	TM 2.822	TM 2.866	1.548	TM 3.177	1.879
Run	**Time**	**47Ti**	**51V**	**52Cr**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**
1	03:37:02	1182.5839	28611.5330	4201.0587	ID 38744.8610	720945.1600	802571.7500	55119.1870	3013.0446
2	03:37:39	1252.5941	29519.6920	4193.5549	ID 40679.0450	741395.4400	824530.6700	53710.0300	3150.5955
3	03:38:16	1220.0893	29645.1360	4091.0039	ID 39927.9260	745686.6400	837357.5100	53428.2270	2990.5365
4	03:38:52	1152.5797	29888.5030	4316.1174	ID 41259.3880	753862.9700	845035.0500	50505.0830	3018.0464
5	03:39:29	1157.5804	29971.3000	4156.0361	ID 41575.9560	761459.2200	856250.3300	51767.7960	3193.1116
x		1193.0855	29527.2330	4191.5542	ID 40437.4350	744669.8900	833149.0600	52906.0650	3073.0669
%RSD		3.576	1.840	1.959	ID 2.807	2.060	2.476	3.391	2.994
Run	**Time**	**60Ni**	**63Cu**	**65Cu**	**66Zn**	**75As**	**78Se**	**82Se**	**83Kr**
1	03:37:02	3685.8149	18936.4910	9487.8981	499807.0300	4679.6469	895.0481	135.8344	67.5003
2	03:37:39	3713.3271	19645.6300	9665.6022	508162.8400	4868.0881	854.2104	141.6679	61.6669
3	03:38:16	3553.2574	20001.4750	9773.2276	513744.9900	4856.4147	878.3796	148.3347	55.0002
4	03:38:52	3673.3094	20307.2130	9575.4983	519195.2000	4928.1234	905.8826	133.3344	67.5003
5	03:39:29	3503.2362	19971.4030	9643.0761	525931.0200	5022.3463	929.2185	141.6679	67.5003
x		3625.7890	19772.4420	9629.0605	513368.2200	4870.9239	892.5478	140.1679	63.8336
%RSD		2.535	2.644	1.103	1.955	2.577	3.169	4.170	8.689
Run	**Time**	**89Y**	**107Ag**	**108Mo O**	**109Ag**	**111Cd**	**114Cd**	**115In**	**118Sn**
1	03:37:02	964980.9600	1102.5729	177.5019	1043.8154	2631.6655	5798.2665	1080980.8000	85.0004
2	03:37:39	994503.1200	1098.8224	167.5017	1072.5690	2530.3841	6226.0750	1127619.5000	70.0003
3	03:38:16	1019396.4000	1155.0800	180.0019	1001.3102	2595.4041	6431.2307	1147864.2000	82.5004
4	03:38:52	1031515.5000	1153.8299	150.0014	1105.0733	2746.7026	6257.3484	1162251.1000	65.0003
5	03:39:29	1034560.6000	1181.3337	162.5016	1147.5790	2834.2319	6307.3861	1171911.6000	95.0005
x		1008991.3000	1138.3278	167.5017	1074.0694	2667.6776	6204.0613	1138125.4000	79.5004
%RSD		2.896	3.170	7.235	5.221	4.566	3.867	3.166	15.147
Run	**Time**	**121Sb**	**135Ba**	**137Ba**	**159Tb**	**203Tl**	**205Tl**	**206Pb**	**207Pb**
1	03:37:02	12935.0310	21951.3740	38694.6280	1682217.4000	478.7638	1147.5790	197288.0300	170141.8400
2	03:37:39	13626.1310	22956.5770	40545.8990	T 1850508.6000	527.5167	1251.3439	207350.4500	178948.4400
3	03:38:16	14014.2740	23470.5050	41091.0590	T 1898113.2000	495.0147	1220.0893	213177.2400	184627.8400
4	03:38:52	14522.6430	23490.5620	41834.7460	T 1926146.8000	518.7662	1231.3410	218651.3600	188290.9500
5	03:39:29	14818.1630	24079.7400	42844.8590	T 1962100.4000	507.5155	1310.1030	221695.2200	190835.3500
x		13983.2490	23189.7520	41002.2380	T 1863817.3000	505.5154	1232.0912	211632.4600	182568.8800
%RSD		5.322	3.443	3.784	T 5.870	3.817	4.757	4.587	4.524
Run	**Time**	**208Pb**	**209Bi**	**220Bkg**					
1	03:37:02	426454.5700	1102635.4000	0.0000					
2	03:37:39	450469.9700	1165315.6000	0.0000					
3	03:38:16	465994.6800	1197853.6000	0.0000					
4	03:38:52	473976.4900	1224607.1000	0.0000					
5	03:39:29	483262.7200	1243352.5000	2.5000					
x		460031.6900	1186752.8000	0.5000					
%RSD		4.847	4.672	223.607					

MH25C0 07/08/2008 03:42:22

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	03:42:59	249969.5200	16.6667	T 13247974.0000	T 1843810.5000	T 2136215.1000	644311.1300	TM 2033988.3000	596581.6100
2	03:43:36	249214.9200	25.8334	T 13517095.0000	T 1894922.0000	T 2199340.3000	652630.0700	TM 2084094.9000	607412.3300
3	03:44:12	249103.3200	20.8334	T 13779342.0000	T 1946857.6000	T 2260693.3000	651725.7400	TM 2120039.0000	609668.4800
4	03:44:49	255752.7600	17.5000	T 13935350.0000	T 1963229.8000	T 2258527.1000	659319.6200	TM 2143659.8000	621697.8000
5	03:45:26	252106.6400	25.0000	T 13933191.0000	T 1960909.5000	T 2274543.6000	660686.7900	TM 2148939.4000	621882.0600
x		251229.4300	21.1667	T 13682590.0000	T 1921945.9000	T 2225863.9000	653734.6700	TM 2106144.3000	611448.4500
%RSD		1.115	19.803	T 2.169	T 2.688	T 2.599	1.008	TM 2.268	1.743

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	03:42:59	1670.1674	30583.5180	4703.8272	ID 42163.8980	661643.4000	857173.3800	52499.8550	3093.0739
2	03:43:36	1472.6301	30274.8940	4668.8075	ID 42837.3200	684972.4400	876064.7100	47741.3640	3098.0758
3	03:44:12	1647.6629	29695.3150	4541.2370	ID 44093.8480	686620.1000	887757.9700	46594.9020	3065.5638
4	03:44:49	1575.1489	31185.7440	4648.7963	ID 44470.8440	696200.6300	891156.0700	49041.3800	3310.6575
5	03:45:26	1605.1546	31286.1190	4828.8987	ID 44294.9100	696024.2700	889943.7000	47864.5670	3380.6856
x		1594.1528	30605.1180	4678.3133	ID 43572.1640	685092.1700	880419.1700	48748.4140	3189.6113
%RSD		4.848	2.154	2.218	ID 2.331	2.058	1.625	4.654	4.550

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	03:42:59	3495.7331	18477.9630	8757.0988	530271.0100	4056.8206	845.0428	118.3342	57.5002
2	03:43:36	3338.1685	18575.6800	9272.6561	541163.9000	4217.7338	870.0454	112.5008	70.8336
3	03:44:12	3388.1886	18996.6280	9182.5564	546852.8600	4286.1020	808.3725	145.0013	56.6669
4	03:44:49	3483.2278	18708.4770	9490.4010	552510.8900	4172.7111	878.3796	128.3343	50.0001
5	03:45:26	3370.6816	19272.2590	9217.5950	549098.5500	4144.3636	863.3781	138.3345	57.5002
x		3415.1999	18806.2020	9184.0614	543979.4400	4175.5462	853.0437	128.5010	58.5002
%RSD		2.058	1.731	2.907	1.600	2.042	3.262	10.501	12.954

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	03:42:59	962603.0800	1017.5621	165.0016	963.8057	2292.8154	5401.7502	1085662.3000	92.5005
2	03:43:36	989415.0400	1041.3151	187.5021	1048.8160	2347.8307	5638.1567	1112608.4000	87.5005
3	03:44:12	1006135.6000	1081.3202	140.0012	1040.0649	2381.5903	5736.9741	1135014.7000	75.0003
4	03:44:49	1012296.5000	1141.3282	157.5015	1102.5729	2432.8551	5661.9228	1147090.1000	75.0003
5	03:45:26	1017639.9000	1102.5729	167.5017	1080.0700	2555.3917	5719.4621	1150635.1000	105.0007
x		997618.0300	1076.8197	163.5016	1047.0659	2402.0966	5631.6532	1126202.1000	87.0005
%RSD		2.231	4.553	10.516	5.043	4.150	2.393	2.407	14.568

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	03:42:59	10974.7220	20615.4680	35907.1930	1675907.8000	418.7605	1023.8129	129612.6900	111468.0500
2	03:43:36	11027.2910	21094.1640	37152.6350	1760084.6000	468.7632	1072.5690	136519.1600	117700.3700
3	03:44:12	11673.1700	21798.4730	37471.5580	1790298.9000	453.7624	1152.5797	140252.9000	121009.7700
4	03:44:49	11911.0060	21858.6300	37820.6300	1820830.9000	487.5143	1147.5790	142126.7500	120170.2500
5	03:45:26	12021.1640	21755.8620	38656.9540	T 1888616.0000	490.0144	1118.8251	140687.6400	121326.8300
x		11521.4710	21424.5200	37401.7940	T 1787147.6000	463.7630	1103.0731	137839.8300	118335.0600
%RSD		4.269	2.558	2.691	T 4.383	6.290	4.943	3.659	3.459

Run	Time	208Pb	209Bi	220Bkg
1	03:42:59	280461.4100	1101834.1000	0.0000
2	03:43:36	294651.1700	1160903.8000	0.0000
3	03:44:12	304314.3000	1193427.1000	0.0000
4	03:44:49	305817.8600	1207447.8000	0.0000
5	03:45:26	307749.5600	1206293.4000	0.0000
x		298598.8600	1173981.2000	0.0000
%RSD		3.793	3.790	0.000

MH25C4 07/08/2008 03:48:19

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	03:48:56	235502.1400	14.1667	TM 32531944.0000	TM 4493717.5000	TM 5233093.5000	28972.7780	TM 8224143.4000	578133.2100
2	03:49:33	237598.7500	14.1667	TM 33671770.0000	TM 4672185.0000	TM 5424394.8000	30269.8760	TM 8576040.3000	592925.2300
3	03:50:10	239225.1300	15.8333	TM 34081741.0000	TM 4800733.7000	TM 5520734.6000	31258.5160	TM 8724558.4000	598994.5600
4	03:50:46	241519.0600	19.1667	TM 34869606.0000	TM 4846228.9000	TM 5656240.5000	31459.2690	TM 8878055.8000	607663.4300
5	03:51:23	243215.6800	16.6667	TM 35249151.0000	TM 4928458.4000	TM 5736060.6000	31845.7330	TM 8959514.9000	615885.3400
x		239412.1500	16.0000	TM 34080843.0000	TM 4748264.7000	TM 5514104.8000	30761.2340	TM 8672462.6000	598720.3600
%RSD		1.279	12.969	TM 3.131	TM 3.577	TM 3.587	3.760	TM 3.350	2.409

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	03:48:56	812.5396	27023.7460	3210.6184	ID 6642.6464	1961816.8000	296111.5900	136374.3200	6610.1206
2	03:49:33	755.0342	27836.4140	3288.1486	ID 6462.5049	2012553.3000	300178.2700	129379.1000	6685.1804
3	03:50:10	802.5386	27545.4500	3158.0983	ID 6835.3021	2055717.8000	301442.7100	124094.6400	6632.6385
4	03:50:46	762.5349	27447.6280	3263.1388	ID 6585.1008	2068844.5000	305239.7400	122389.7000	6367.4317
5	03:51:23	797.5382	27156.6770	3368.1805	ID 6855.3186	2114663.2000	303627.4100	123752.1000	6314.8918
x		786.0371	27401.9830	3257.6369	ID 6676.1746	2042719.1000	301319.9400	127197.9700	6522.0526
%RSD		3.256	1.175	2.441	ID 2.512	2.842	1.163	4.543	2.582

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	03:48:56	20522.7400	8356.6880	5074.0443	TM 4511148.3000	2261.1401	1142.5783	277.5046	125.8343
2	03:49:33	21159.3290	8559.3935	5001.5005	TM 4619245.7000	2384.5078	1135.0773	313.3392	120.8342
3	03:50:10	20998.9240	8702.0412	5144.0872	TM 4717588.5000	2399.5121	1202.5868	335.0067	108.3340
4	03:50:46	21076.6200	8576.9115	4931.4587	TM 4757502.3000	2495.3736	1180.0835	293.3385	105.0007
5	03:51:23	21312.2180	8802.1462	5144.0872	TM 4821249.5000	2442.0244	1229.2573	320.0061	103.3340
x		21013.9660	8599.4361	5059.0356	TM 4685346.9000	2396.5116	1177.9167	307.8390	112.6674
%RSD		1.419	1.952	1.830	TM 2.602	3.633	3.378	7.348	8.928

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	03:48:56	920439.6800	1898.9663	2402.8464	1808.9463	35467.8180	84477.2750	1008581.5000	52.5002
2	03:49:33	950131.1600	1975.2341	2602.9064	2012.7430	36632.8410	86967.6970	1052836.2000	35.0001
3	03:50:10	969310.3300	2027.7467	2530.3841	1993.9885	37479.0920	87762.2120	1069515.7000	10.0000
4	03:50:46	986379.8600	2131.5226	2700.4375	2082.7602	38138.3230	90573.3010	1092324.5000	42.5001
5	03:51:23	994736.1200	2235.2998	2500.3751	2007.7418	38501.2360	91154.5880	1106991.4000	37.5001
x		964199.4300	2053.7539	2547.3899	1981.2360	37243.8620	88187.0150	1066049.9000	35.5001
%RSD		3.096	6.432	4.384	5.163	3.279	3.102	3.589	44.372

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	03:48:56	1682.6699	8732.0725	14677.9150	1596833.5000	486.2642	1315.1038	10519.1350	8804.6489
2	03:49:33	1795.1933	8626.9632	15086.1430	1671836.0000	532.5170	1363.8616	11154.9610	9342.7343
3	03:50:10	1735.1806	8992.3491	15774.9170	1708863.7000	601.2717	1402.6180	11430.3340	9583.0069
4	03:50:46	1790.1923	8722.0621	15962.7740	1749270.0000	585.0205	1481.3817	12183.9000	10146.1730
5	03:51:23	1820.1988	9347.7399	16012.8700	T 1850695.1000	607.5221	1481.3817	12113.7980	10701.8670
x		1764.6870	8884.2374	15502.9240	T 1715499.7000	562.5191	1408.8693	11480.4260	9715.6861
%RSD		3.137	3.292	3.816	T 5.488	9.215	5.188	6.048	7.536

Run	Time	208Pb	209Bi	220Bkg
1	03:48:56	22761.0420	977560.7800	0.0000
2	03:49:33	23427.8860	1023324.4000	0.0000
3	03:50:10	24706.5710	1059994.0000	0.0000
4	03:50:46	25488.9220	1087223.8000	2.5000
5	03:51:23	26411.7890	1109131.1000	0.0000
x		24559.2420	1051446.8000	0.5000
%RSD		6.050	4.972	223.607

zzzzzz 07/08/2008 03:54:17

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	03:54:54	253273.7400	9.1667	1875.2110	290.0051	365.0080	902.5489	772.5358	617195.9300
2	03:55:30	254505.4300	6.6667	2220.2957	270.0044	420.0106	1000.0600	845.0428	632061.8100
3	03:56:07	261182.3200	13.3333	3055.5601	445.0119	550.0181	1052.5665	982.5579	646574.2400
4	03:56:44	260909.8100	10.0000	10791.9830	1430.1227	1820.1988	1140.0780	2570.3964	656716.9100
5	03:57:20	260288.3300	10.8333	17177.6860	2540.3872	3230.6261	1210.0879	4146.0311	650895.7400
x		258031.9300	10.0000	7024.1473	995.1062	1277.1723	1061.0682	1863.3128	640688.9200
%RSD		1.481	24.296	96.197	99.262	97.530	11.287	79.209	2.495

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	03:54:54	272.5045	1260.0953	1775.1891	ID 3580.7691	290.0051	184829.7400	1600.1536	17.5000
2	03:55:30	297.5053	1157.5804	1827.7004	ID 3900.9128	300.0054	185310.2400	1602.6541	12.5000
3	03:56:07	210.0027	1282.5987	1885.2132	ID 3913.4187	407.5100	188751.1800	1562.6465	7.5000
4	03:56:44	230.0032	1090.0713	1940.2258	ID 3955.9387	845.0428	189814.9400	1627.6589	35.0001
5	03:57:20	252.5038	1107.5736	1800.1944	ID 4030.9747	1165.0814	188664.2500	1632.6599	30.0001
x		252.5039	1179.5838	1845.7046	ID 3876.4028	601.5289	187474.0700	1605.1546	20.5000
%RSD		13.630	7.436	3.621	ID 4.461	64.520	1.199	1.735	56.809

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	03:54:54	27.5000	155.0014	95.0005	445.0119	35.0001	878.3796	43.3334	50.8335
2	03:55:30	55.0002	180.0019	77.5004	400.0096	36.6667	884.2136	52.5002	36.6667
3	03:56:07	60.0002	182.5020	77.5004	440.0116	30.8334	923.3845	58.3335	66.6669
4	03:56:44	60.0002	235.0033	60.0002	1567.6474	35.0001	875.0459	65.0003	54.1668
5	03:57:20	57.5002	200.0024	70.0003	2722.9448	26.6667	928.3850	54.1668	73.3337
x		52.0002	190.5022	76.0004	1115.1251	32.8334	897.8817	54.6668	56.3335
%RSD		26.638	15.539	16.870	91.957	12.382	2.877	14.566	25.378

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	03:54:54	1007428.7000	50.0001	0.0000	46.2501	2.5000	3.7500	1140241.3000	22.5000
2	03:55:30	1041664.2000	46.2501	0.0000	60.0002	1.2500	7.5000	1176667.0000	12.5000
3	03:56:07	1073769.1000	71.2503	15.0000	50.0001	3.7500	11.2500	1210658.7000	20.0000
4	03:56:44	1071936.7000	151.2514	15.0000	127.5010	15.0000	25.0000	1226308.5000	25.0000
5	03:57:20	1082446.5000	193.7523	7.5000	198.7524	16.2500	31.2501	1231637.8000	15.0000
x		1055449.1000	102.5008	7.5000	96.5008	7.7500	15.7500	1197102.7000	19.0000
%RSD		2.933	64.715	100.000	68.417	93.632	74.999	3.203	27.285

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	03:54:54	22.5000	5.0000	2.5000	1688995.3000	11.2500	33.7501	50.0001	35.0001
2	03:55:30	35.0001	2.5000	7.5000	1779513.1000	12.5000	26.2500	50.0001	45.0001
3	03:56:07	10.0000	0.0000	5.0000	T 1904642.5000	16.2500	42.5001	35.0001	32.5001
4	03:56:44	32.5001	2.5000	12.5000	1854448.9000	20.0000	48.7501	77.5004	60.0002
5	03:57:20	42.5001	15.0000	7.5000	T 1932777.9000	21.2500	66.2503	82.5004	75.0003
x		28.5001	5.0000	7.0000	T 1832075.5000	16.2500	43.5001	59.0002	49.5002
%RSD		44.122	117.260	52.973	T 5.399	27.196	35.217	34.241	36.139

Run	Time	208Pb	209Bi	220Bkg
1	03:54:54	115.0008	1186584.2000	0.0000
2	03:55:30	97.5006	1247975.6000	0.0000
3	03:56:07	97.5006	1283870.9000	0.0000
4	03:56:44	140.0012	1305179.3000	0.0000
5	03:57:20	207.5026	1313706.3000	2.5000
x		131.5011	1267463.3000	0.5000
%RSD		34.916	4.090	223.607

CCV4 07/08/2008 04:00:16

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	04:00:52	244932.3800	144150.2300	710087.1400	99966.0170	116503.7300	594744.5100	22740.9870	596603.0600
2	04:01:29	248645.7900	145275.3500	735141.1100	103534.1900	118592.8900	596506.5100	23563.2670	608015.2500
3	04:02:06	247081.9600	146246.2800	730977.6900	103797.4300	119982.5800	599578.1200	23447.9420	608031.3700
4	04:02:42	248933.3500	144703.8700	746267.8800	105245.4300	121367.4100	600611.1800	24177.5220	610362.9000
5	04:03:19	247976.2800	145086.2700	756895.2100	106060.6600	121443.5100	602688.4000	25363.5400	610342.7500
x		247513.9500	145092.4000	735873.8000	103720.7500	119578.0300	598825.7400	23858.6520	606671.0700
%RSD		0.650	0.534	2.392	2.258	1.738	0.533	4.123	0.947

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	04:00:52	252.5038	778629.8100	732726.7300	ID 78013.4650	946551.0500	1356995.2000	28892.5000	943695.2700
2	04:01:29	225.0030	788578.2200	743984.0900	ID 80908.3720	964911.0100	1381159.5000	29612.5210	959359.0200
3	04:02:06	190.0022	794871.0200	745793.0600	ID 81471.3170	966186.9200	1400228.7000	30167.0040	958383.2400
4	04:02:42	237.5034	794928.6500	746532.5800	ID 81471.3170	965540.5500	1396548.4000	29998.8990	961022.8500
5	04:03:19	177.5019	790305.9500	752942.5800	ID 80832.6430	968593.7500	1400907.3000	30079.1880	961014.4600
x		216.5029	789462.7300	744395.8100	ID 80539.4230	962356.6600	1387167.8000	29750.0220	956694.9700
%RSD		14.666	0.845	0.987	ID 1.793	0.929	1.346	1.761	0.769

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	04:00:52	213318.2800	515206.1900	247988.2900	141567.3500	128717.3000	33337.3830	13536.8190	60.8336
2	04:01:29	213346.4900	525755.4400	253317.5400	144901.4300	130654.6000	33913.8690	13855.6760	59.1669
3	04:02:06	214482.6000	529014.8200	253028.9700	144809.8600	130674.9200	33812.6250	13855.6760	65.0003
4	04:02:42	214849.3700	527910.4900	253093.3800	146720.3400	130724.8600	33810.9520	13588.5700	64.1669
5	04:03:19	214164.5700	526670.6100	253886.9900	146496.4500	130954.2500	33938.1340	13834.8080	66.6669
x		214032.2600	524911.5100	252263.0400	144899.0900	130345.1900	33762.5930	13734.3100	63.1669
%RSD		0.319	1.060	0.957	1.422	0.704	0.725	1.150	4.883

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	04:00:52	990413.9000	687704.2600	9047.4087	671911.9700	138498.9300	328407.2900	1121113.1000	22.5000
2	04:01:29	1002555.2000	704769.1400	9610.5386	687961.7700	142745.9500	336656.8800	1151772.3000	17.5000
3	04:02:06	1020905.4000	712773.8700	9420.3215	696796.2000	144409.2400	343553.7200	1165401.4000	30.0001
4	04:02:42	1016815.2000	710324.9300	9530.4467	698678.1500	145010.8100	343523.7700	1168123.5000	15.0000
5	04:03:19	1019492.1000	716910.9100	9557.9782	701759.0800	144780.6000	343583.6700	1172347.0000	22.5000
x		1010036.4000	706496.6200	9433.3387	691421.4300	143089.1100	339145.0700	1155751.5000	21.5000
%RSD		1.305	1.612	2.403	1.743	1.897	1.977	1.803	26.769

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	04:00:52	386552.1300	91876.1970	161663.0300	1686181.7000	560776.5300	1373961.1000	475772.1000	378008.2800
2	04:01:29	396951.8100	93660.9010	164923.4900	1752005.3000	586324.3500	1434242.3000	497043.8900	392946.0000
3	04:02:06	405433.3500	96166.6990	167647.0400	1767654.1000	596911.5200	1462828.6000	501289.7300	401580.8700
4	04:02:42	408694.5000	96761.0190	170787.3500	1790761.9000	600159.0300	1475824.0000	510730.3900	406828.9600
5	04:03:19	411967.4000	97241.5640	170835.8300	1798878.3000	606538.2300	1489518.9000	514512.7500	405220.8800
x		401919.8400	95141.2760	167171.3500	1759096.3000	590141.9300	1447275.0000	499869.7800	396917.0000
%RSD		2.550	2.405	2.357	2.546	3.045	3.164	3.039	2.987

Run	Time	208Pb	209Bi	220Bkg
1	04:00:52	971174.8300	1189743.1000	0.0000
2	04:01:29	1007757.7000	1238476.4000	0.0000
3	04:02:06	1035150.0000	1259652.4000	0.0000
4	04:02:42	1042189.2000	1272471.0000	0.0000
5	04:03:19	1042866.6000	1280255.3000	0.0000
x		1019827.7000	1248119.7000	0.0000
%RSD		3.014	2.905	0.000

CCB4 07/08/2008 04:06:11

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	04:06:48	246807.3300	34.1667	1415.1201	200.0024	330.0065	887.5473	602.5218	592852.8500
2	04:07:25	249609.8100	30.8334	1730.1796	250.0038	290.0051	945.0536	607.5221	608529.5800
3	04:08:01	251918.5800	52.5002	3765.8507	580.0202	665.0265	1032.5640	825.0408	622250.6100
4	04:08:38	253897.2900	46.6668	3925.9246	560.0188	645.0250	1115.0746	955.0547	633970.1600
5	04:09:15	253310.6700	46.6668	3990.9554	445.0119	635.0242	1100.0726	912.5500	626437.5100
x		251108.7400	42.1668	2965.6061	407.0114	513.0175	1016.0624	780.5379	616808.1400
%RSD		1.162	21.856	43.131	42.960	36.290	9.680	21.389	2.638

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	04:06:48	285.0049	497.5149	1680.1694	ID 3433.2071	372.5083	164796.0100	1482.6319	120.0009
2	04:07:25	252.5038	545.0178	1805.1955	ID 3528.2468	365.0080	168440.3000	1535.1414	175.0018
3	04:08:01	200.0024	730.0320	1767.6875	ID 3558.2595	680.0278	172012.1600	1452.6266	305.0056
4	04:08:38	202.5025	687.5284	1942.7264	ID 3653.3006	647.5252	172867.0800	1495.1341	297.5053
5	04:09:15	200.0024	675.0273	1770.1880	ID 3623.2875	585.0205	171966.2200	1542.6428	250.0038
x		228.0032	627.0241	1793.1933	ID 3559.2603	530.0180	170016.3500	1501.6353	229.5035
%RSD		17.082	15.963	5.324	ID 2.425	28.516	1.987	2.494	34.930

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	04:06:48	75.0003	312.5059	117.5008	162.5016	43.3334	860.0444	61.6669	43.3334
2	04:07:25	75.0003	335.0067	117.5008	185.0021	45.8335	859.2110	64.1669	32.5001
3	04:08:01	115.0008	350.0074	162.5016	380.0087	57.5002	899.2152	76.6670	61.6669
4	04:08:38	112.5008	402.5097	152.5014	432.5112	47.5001	870.0454	62.5002	60.0002
5	04:09:15	105.0007	352.5075	127.5010	365.0080	66.6669	922.5511	51.6668	65.0003
x		96.5006	350.5074	135.5011	305.0063	52.1668	882.2134	63.3336	52.5002
%RSD		20.693	9.455	15.348	40.219	18.650	3.148	14.080	26.608

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	04:06:48	972208.0300	116.2508	15.0000	77.5004	10.0000	33.7501	1094436.5000	22.5000
2	04:07:25	1012929.5000	116.2508	0.0000	78.7504	20.0000	50.0001	1144206.1000	7.5000
3	04:08:01	1030187.9000	147.5013	2.5000	137.5011	47.5001	91.2505	1183102.3000	10.0000
4	04:08:38	1053358.9000	158.7515	2.5000	128.7510	51.2502	108.7507	1204890.6000	10.0000
5	04:09:15	1062692.5000	125.0009	10.0000	108.7507	40.0001	95.0005	1216232.0000	5.0000
x		1026275.4000	132.7511	6.0000	106.2507	33.7501	75.7504	1168573.5000	11.0000
%RSD		3.505	14.579	104.583	26.082	53.158	42.403	4.255	61.406

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	04:06:48	665.0265	12.5000	30.0001	1643417.0000	95.0005	207.5026	120.0009	87.5005
2	04:07:25	750.0338	22.5000	25.0000	1722491.3000	86.2504	251.2538	97.5006	115.0008
3	04:08:01	807.5391	32.5001	47.5001	T 1868231.0000	230.0032	562.5190	212.5027	222.5030
4	04:08:38	670.0269	25.0000	52.5002	T 1924196.5000	205.0025	507.5155	242.5035	160.0015
5	04:09:15	570.0195	32.5001	47.5001	1864200.6000	202.5025	478.7638	242.5035	135.0011
x		692.5292	25.0000	40.5001	T 1804507.3000	163.7518	401.5109	183.0022	144.0014
%RSD		13.077	33.166	30.051	T 6.476	41.335	40.033	37.889	35.635

Run	Time	208Pb	209Bi	220Bkg
1	04:06:48	222.5030	1152273.8000	0.0000
2	04:07:25	297.5053	1215824.8000	2.5000
3	04:08:01	425.0108	1281441.0000	0.0000
4	04:08:38	462.5128	1301491.2000	0.0000
5	04:09:15	390.0091	1327188.0000	0.0000
x		359.5082	1255643.8000	0.5000
%RSD		27.270	5.653	223.607

CRIF2 07/08/2008 04:12:06

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	04:12:42	246267.5400	625.8568	315.0060	20.0000	50.0001	380.0087	367.5081	606668.4600
2	04:13:19	251195.5700	602.5218	1840.2032	245.0036	395.0094	510.0156	572.5197	618497.3100
3	04:13:56	250429.7000	628.3570	3235.6280	490.0144	405.0098	660.0261	807.5391	630330.2400
4	04:14:33	249555.7300	602.5218	1180.0835	200.0024	220.0029	462.5128	562.5190	629894.0400
5	04:15:10	254971.0100	585.0205	940.0530	140.0012	100.0006	417.5105	487.5143	634614.0000
x		250483.9100	608.8556	1502.1947	219.0043	234.0046	486.0147	559.5200	624000.8100
%RSD		1.251	2.981	74.040	79.195	69.951	22.383	28.783	1.824

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	04:12:42	252.5038	15414.2430	7310.7054	ID 3793.3632	3748.3428	168792.3100	1470.1297	3510.7394
2	04:13:19	272.5045	15882.6210	7553.4217	ID 3648.2984	4055.9868	172971.7100	1362.6114	3690.8171
3	04:13:56	212.5027	16423.6680	7768.6194	ID 3700.8216	4223.5700	173308.6100	1465.1288	3945.9340
4	04:14:33	212.5027	16351.0260	7513.3855	ID 3555.7584	4158.5373	174127.9200	1457.6275	3928.4257
5	04:15:10	155.0014	16090.5190	7816.1638	ID 3758.3473	4298.6084	173816.5200	1305.1022	3833.3815
x		221.0030	16032.4150	7592.4592	ID 3691.3178	4097.0091	172603.4100	1412.1199	3781.8595
%RSD		20.419	2.539	2.701	ID 2.542	5.231	1.261	5.270	4.819

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	04:12:42	922.5511	4456.1911	2120.2697	1295.1006	549.1848	1532.6409	336.6735	51.6668
2	04:13:19	922.5511	4443.6845	2010.2424	1465.1288	510.0156	1559.3125	320.8395	54.1668
3	04:13:56	977.5573	4396.1593	2062.7553	1527.6400	539.1841	1590.9852	346.6739	48.3335
4	04:14:33	870.0454	4221.0688	2140.2748	1392.6164	571.6863	1650.9969	344.1738	60.8336
5	04:15:10	935.0525	4388.6553	1980.2353	1255.0945	615.0227	1575.1489	321.6729	55.0002
x		925.5515	4381.1518	2062.7555	1387.1161	557.0187	1581.8169	334.0067	54.0002
%RSD		4.147	2.149	3.331	8.201	7.050	2.799	3.656	8.551

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	04:12:42	1003291.4000	2757.9563	37.5001	2716.6928	548.7681	1378.8641	1140889.1000	15.0000
2	04:13:19	1027964.3000	2766.7092	22.5000	2739.2001	580.0202	1442.6249	1171983.2000	12.5000
3	04:13:56	1037843.7000	2846.7362	52.5002	2784.2150	602.5218	1571.3981	1196162.0000	5.0000
4	04:14:33	1059066.5000	2874.2456	60.0002	2839.2336	543.7677	1391.3661	1209097.0000	22.5000
5	04:15:10	1061365.8000	3066.8142	40.0001	2754.2051	607.5221	1423.8716	1219600.1000	22.5000
x		1037906.3000	2862.4923	42.5001	2766.7093	576.5200	1441.6250	1187546.3000	15.5000
%RSD		2.308	4.358	34.047	1.713	5.125	5.331	2.658	47.574

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	04:12:42	3250.6339	3680.8127	6517.5477	1728616.7000	2160.2800	5433.0205	1872.7104	1517.6382
2	04:13:19	3348.1725	3873.4000	6707.6985	1781222.1000	2366.5860	5790.7613	2022.7455	1550.1442
3	04:13:56	3540.7521	4028.4735	6772.7511	1821212.3000	2569.1460	5867.0646	2122.7703	1740.1817
4	04:14:33	3590.7735	3955.9387	6560.0811	T 1920346.8000	2459.1128	5663.1736	2180.2852	1690.1714
5	04:15:10	3490.7310	3810.8712	7088.0131	1853470.3000	2454.1113	5967.1356	2192.7885	1822.6993
x		3444.2126	3869.8992	6729.2183	T 1820973.6000	2401.8472	5744.2311	2078.2600	1664.1669
%RSD		4.097	3.462	3.360	T 3.983	6.369	3.593	6.403	7.722

Run	Time	208Pb	209Bi	220Bkg
1	04:12:42	3815.8735	1229482.9000	0.0000
2	04:13:19	4040.9795	1267270.8000	0.0000
3	04:13:56	4276.0968	1294229.9000	0.0000
4	04:14:33	4258.5879	1313013.8000	0.0000
5	04:15:10	4243.5802	1324076.4000	0.0000
x		4127.0236	1285614.8000	0.0000
%RSD		4.806	2.960	0.000

CCV5 07/08/2008 04:18:02

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	04:18:38	242388.7700	141719.0600	693900.1200	97325.0300	114399.8900	584482.7400	21790.9540	588506.6700
2	04:19:15	243630.0300	142119.9700	710858.9700	99920.4760	117482.3300	590455.0100	22873.8500	595181.6200
3	04:19:51	245170.0500	143583.9100	729735.5800	103230.4600	117893.0700	594647.9700	23016.7420	604971.5100
4	04:20:28	246664.8700	143627.1500	729419.6400	101949.8300	117948.8500	593768.4600	23678.5930	606107.2500
5	04:21:04	246973.8200	143722.1000	733582.3200	103645.5600	119657.9600	594991.2200	23317.5770	608302.6300
x		244965.5100	142954.4400	719499.3200	101214.2700	117476.4200	591669.0800	22935.5430	600613.9400
%RSD		0.801	0.669	2.338	2.582	1.627	0.744	3.097	1.404

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	04:18:38	235.0033	771065.1100	725185.4500	D 78200.2030	935582.4200	1332478.5000	28601.4990	930737.2500
2	04:19:15	245.0036	779150.2500	734713.2300	D 79479.7230	946570.6000	1358252.5000	29095.7050	940187.5300
3	04:19:51	215.0028	784331.6300	740402.7300	D 80090.5290	959026.2900	1381640.3000	29926.1380	952871.6800
4	04:20:28	205.0025	788397.2400	745400.1300	D 80552.4490	969923.3900	1389585.7000	29923.6290	958092.4800
5	04:21:04	185.0021	793847.5200	747100.2300	D 81511.7090	966158.9400	1399870.3000	30473.1150	962295.4100
x		217.0029	783358.3500	738560.3600	D 79966.9230	955452.3300	1372365.5000	29604.0170	948836.8700
%RSD		11.002	1.115	1.205	D 1.545	1.490	1.972	2.519	1.380

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	04:18:38	209118.8300	511805.9700	247130.8800	139884.2800	126912.4400	32953.3600	13138.6830	56.6669
2	04:19:15	211136.2500	516377.9800	250066.5300	142398.8400	128667.3700	33341.5660	13525.9680	53.3335
3	04:19:51	213808.0900	523050.4300	252243.1800	145593.3300	130885.6900	33655.3240	13450.8470	77.5004
4	04:20:28	214167.1400	528871.1200	253098.5400	145534.8200	130659.6800	33784.1770	13505.9360	49.1668
5	04:21:04	215177.6800	526734.4600	256680.6400	145130.3600	131181.9600	33824.3390	13727.9650	62.5002
x		212681.6000	521367.9900	251843.9500	143708.3300	129661.4300	33511.7530	13469.8800	59.8336
%RSD		1.170	1.371	1.411	1.748	1.409	1.090	1.580	18.409

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	04:18:38	963531.7800	673396.1400	8872.2205	655492.1400	135042.9000	323089.0900	1096568.9000	22.5000
2	04:19:15	994957.9100	691312.7800	9317.7063	676996.0000	140387.6400	332528.4800	1128226.5000	45.0001
3	04:19:51	1001931.4000	707465.0900	9352.7455	685553.6900	142435.7100	339442.8000	1151252.3000	25.0000
4	04:20:28	1012155.9000	710550.5000	9352.7455	695587.4600	143461.8400	340450.1700	1164033.6000	22.5000
5	04:21:04	1018585.6000	711766.7600	9470.3782	694723.4000	143967.9600	344351.9200	1160423.2000	22.5000
x		998232.5300	698898.2500	9273.1592	681670.5400	141059.2100	335972.4900	1140100.9000	27.5000
%RSD		2.147	2.354	2.496	2.418	2.575	2.491	2.460	35.791

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	04:18:38	378018.7400	89866.9660	158949.0700	1638925.3000	545486.2600	1333663.8000	462907.0300	367038.8800
2	04:19:15	391950.7300	94128.6260	163745.6100	1703547.1000	571637.2400	1402169.2000	487205.1200	385929.2300
3	04:19:51	401009.3100	95076.7990	167588.3800	1743484.6000	586924.4700	1446558.9000	499934.3400	395295.8100
4	04:20:28	406582.3500	96159.1120	168521.9200	T 1845319.0000	596216.8400	1463871.4000	510217.8800	405325.8100
5	04:21:04	410513.2000	96639.6230	170266.8600	1783724.8000	600923.8000	1476647.6000	510132.9100	404538.9200
x		397614.8700	94374.2250	165814.3700	T 1743000.2000	580237.7200	1424582.2000	494079.4600	391625.7300
%RSD		3.266	2.862	2.726	T 4.492	3.863	4.079	4.012	4.047

Run	Time	208Pb	209Bi	220Bkg
1	04:18:38	941258.9600	1152449.6000	2.5000
2	04:19:15	988780.9900	1214578.7000	0.0000
3	04:19:51	1014955.2000	1246105.6000	0.0000
4	04:20:28	1036960.8000	1268910.7000	0.0000
5	04:21:04	1039415.2000	1273999.0000	0.0000
x		1004274.2000	1231208.7000	0.5000
%RSD		4.053	4.052	223.607

CCB5 07/08/2008 04:23:57

User Pre-dilution: 1.00

Run	Time	6Li	9Be	24Mg	25Mg	26Mg	27Al	44Ca	45Sc
1	04:24:34	244179.0800	32.5001	1320.1046	260.0041	190.0022	900.0486	602.5218	591604.9200
2	04:25:10	247390.9300	41.6668	1470.1297	245.0036	190.0022	855.0439	610.0223	609399.8600
3	04:25:47	249912.8600	42.5001	1730.1796	290.0051	330.0065	920.0508	647.5252	614626.0200
4	04:26:24	251866.2000	68.3336	3080.5693	415.0103	615.0227	1132.5770	740.0329	619680.5400
5	04:27:00	253390.5500	44.1668	2400.3456	365.0080	365.0080	1112.5743	672.5271	626492.6900
x		249347.9200	45.8335	2000.2657	315.0062	338.0083	984.0589	654.5259	612360.8100
%RSD		1.467	29.176	36.599	23.030	51.529	13.090	8.496	2.157

Run	Time	47Ti	51V	52Cr	54Fe	55Mn	56Fe	57Fe	59Co
1	04:24:34	307.5057	345.0071	1725.1786	ID 3368.1805	360.0078	163105.7400	1527.6400	130.0010
2	04:25:10	282.5048	352.5075	1902.7172	ID 3373.1826	440.0116	163939.3600	1455.1270	160.0015
3	04:25:47	297.5053	477.5137	1852.7059	ID 3443.2112	497.5149	166303.0100	1412.6197	147.5013
4	04:26:24	242.5035	522.5164	1907.7183	ID 3648.2984	712.5305	170011.7300	1510.1368	410.0101
5	04:27:00	220.0029	485.0141	1807.6960	ID 3793.3632	612.5225	169623.9400	1527.6400	272.5045
x		270.0044	436.5118	1839.2032	ID 3525.2472	524.5174	166596.7600	1486.6327	224.0037
%RSD		13.827	18.773	4.114	ID 5.336	26.628	1.902	3.428	52.697

Run	Time	60Ni	63Cu	65Cu	66Zn	75As	78Se	82Se	83Kr
1	04:24:34	62.5002	287.5050	132.5011	247.5037	35.0001	860.8778	59.1669	50.0001
2	04:25:10	80.0004	350.0074	112.5008	297.5053	23.3334	887.5473	47.5001	54.1668
3	04:25:47	72.5003	287.5050	135.0011	257.5040	34.1667	884.2136	49.1668	60.8336
4	04:26:24	145.0013	397.5095	207.5026	417.5105	60.8336	845.8763	69.1670	62.5002
5	04:27:00	112.5008	327.5064	135.0011	367.5081	60.0002	837.5421	60.0002	40.0001
x		94.5006	330.0066	144.5013	317.5063	42.6668	863.2114	57.0002	53.5002
%RSD		35.856	14.031	25.233	23.038	39.485	2.589	15.527	16.970

Run	Time	89Y	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
1	04:24:34	965526.5600	130.0010	5.0000	95.0005	12.5000	47.5001	1096148.7000	20.0000
2	04:25:10	996785.7100	80.0004	2.5000	98.7506	15.0000	42.5001	1133588.8000	15.0000
3	04:25:47	1014066.0000	107.5007	10.0000	103.7507	25.0000	60.0002	1154824.6000	5.0000
4	04:26:24	1018805.2000	150.0014	5.0000	113.7508	52.5002	93.7505	1171570.8000	17.5000
5	04:27:00	1033872.6000	131.2510	7.5000	101.2506	31.2501	75.0003	1175618.3000	15.0000
x		1005811.2000	119.7509	6.0000	102.5006	27.2501	63.7503	1146350.3000	14.5000
%RSD		2.597	22.417	47.507	6.899	58.780	32.869	2.843	39.316

Run	Time	121Sb	135Ba	137Ba	159Tb	203Tl	205Tl	206Pb	207Pb
1	04:24:34	705.0298	15.0000	25.0000	1625960.3000	133.7511	251.2538	115.0008	77.5004
2	04:25:10	750.0338	2.5000	40.0001	1707353.5000	115.0008	308.7557	127.5010	110.0007
3	04:25:47	760.0347	27.5000	27.5000	1732086.2000	143.7512	392.5092	117.5008	90.0005
4	04:26:24	730.0320	42.5001	62.5002	T 1847269.3000	290.0051	688.7785	252.5038	157.5015
5	04:27:00	642.5248	20.0000	37.5001	T 1870164.3000	200.0024	552.5183	187.5021	165.0016
x		717.5310	21.5000	38.5001	T 1756566.7000	176.5021	438.7631	160.0017	120.0009
%RSD		6.537	69.086	38.580	T 5.778	40.180	41.032	37.239	32.908

Run	Time	208Pb	209Bi	220Bkg
1	04:24:34	190.0022	1152531.0000	0.0000
2	04:25:10	235.0033	1205472.7000	0.0000
3	04:25:47	262.5041	1237906.5000	0.0000
4	04:26:24	417.5105	1257706.2000	0.0000
5	04:27:00	350.0074	1273121.3000	0.0000
x		291.0055	1225347.5000	0.0000
%RSD		31.511	3.911	0.000

Run MS208084 Summary		44Ca	66Zn	6Li	45Sc	89Y	115In	159Tb	209Bi
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
S0	07/08/2008 09:52:12	0	0	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
S2	07/08/2008 09:56:35	9.493	2.5199	97.39%	96.19%	94.98%	94.65%	93.08%	92.82%
S5	07/08/2008 10:00:59	10.157	4.9047	97.81%	96.58%	95.19%	94.66%	93.21%	92.94%
S10	07/08/2008 10:05:23	14.832	9.8803	98.93%	96.68%	95.03%	94.83%	93.36%	92.98%
S50	07/08/2008 10:09:49	57.219	48.402	98.54%	95.51%	93.94%	93.47%	91.95%	91.96%
S200	07/08/2008 10:14:13	209.53	196.69	96.76%	92.68%	91.71%	91.62%	90.60%	91.12%
S500	07/08/2008 10:18:39	509.59	501.48	94.90%	89.69%	88.43%	88.64%	88.13%	89.13%
S1000	07/08/2008 10:23:05	1010.7	993.17	93.44%	85.94%	85.19%	85.82%	85.82%	87.11%
S1500	07/08/2008 10:27:30	1489.3	0.7911	96.46%	90.48%	89.30%	89.79%	89.06%	90.09%
S2000	07/08/2008 10:31:56	1999.1	0.8715	97.64%	92.21%	90.62%	90.61%	89.42%	89.69%
ICV2	07/08/2008 10:36:22	2029.3	201.2	96.89%	91.33%	89.51%	89.89%	89.30%	89.74%
ICB2	07/08/2008 10:40:48	4.4911	-0.0256	99.08%	94.29%	91.87%	91.78%	90.64%	90.77%
CRI2	07/08/2008 10:45:14	2.6279	1.912	100.35%	95.33%	92.95%	92.81%	91.53%	91.73%
ICSA2	07/08/2008 10:49:38	111670	11.748	88.67%	83.63%	79.72%	84.16%	83.20%	80.37%
ICSAB2	07/08/2008 10:54:02	111450	29.179	90.79%	87.04%	82.56%	86.79%	85.26%	81.15%
CCV6	07/08/2008 10:58:26	1026.1	248.21	97.50%	96.65%	95.09%	96.11%	95.73%	95.71%
CCB6	07/08/2008 11:02:52	8.6276	-0.061	99.37%	99.49%	97.51%	97.67%	96.96%	96.90%
MH25A4	07/08/2008 11:07:18	77060	326.73	100.71%	97.11%	93.94%	93.39%	95.71%	90.81%
MH25B4	07/08/2008 11:11:42	127540	98.344	100.44%	94.21%	90.66%	90.70%	93.48%	89.96%
MH25C4	07/08/2008 11:16:08	194250	4440.9	99.21%	93.42%	89.41%	88.63%	92.33%	86.43%
ZZZZZZ	07/08/2008 11:20:34	24.359	0.7785	103.30%	97.48%	94.81%	95.36%	95.02%	96.18%
ZZZZZZ	07/08/2008 11:25:00	5.0794	2.0748	102.01%	95.94%	93.30%	93.67%	93.19%	93.95%
ZZZZZZ	07/08/2008 11:29:27	1013.5	247.71	99.03%	92.83%	90.46%	91.60%	91.43%	93.13%
ZZZZZZ	07/08/2008 11:33:55	453.46	111.31	98.90%	92.93%	90.81%	91.56%	91.29%	92.99%
ZZZZZZ	07/08/2008 11:45:29	49.962	1.0642	103.78%	99.00%	97.01%	97.73%	98.26%	99.39%
CRIF3	07/08/2008 11:49:53	38.412	2.6531	101.42%	96.07%	92.88%	93.25%	92.35%	93.07%
CCV7	07/08/2008 11:54:21	1039.5	249.43	99.44%	92.55%	89.62%	90.33%	89.65%	90.29%
CCB7	07/08/2008 11:58:50	20.206	0.1526	100.01%	94.08%	91.05%	91.24%	90.59%	91.13%

Diluted analysis used. Undiluted results in Run # MS208083.

Performance Report

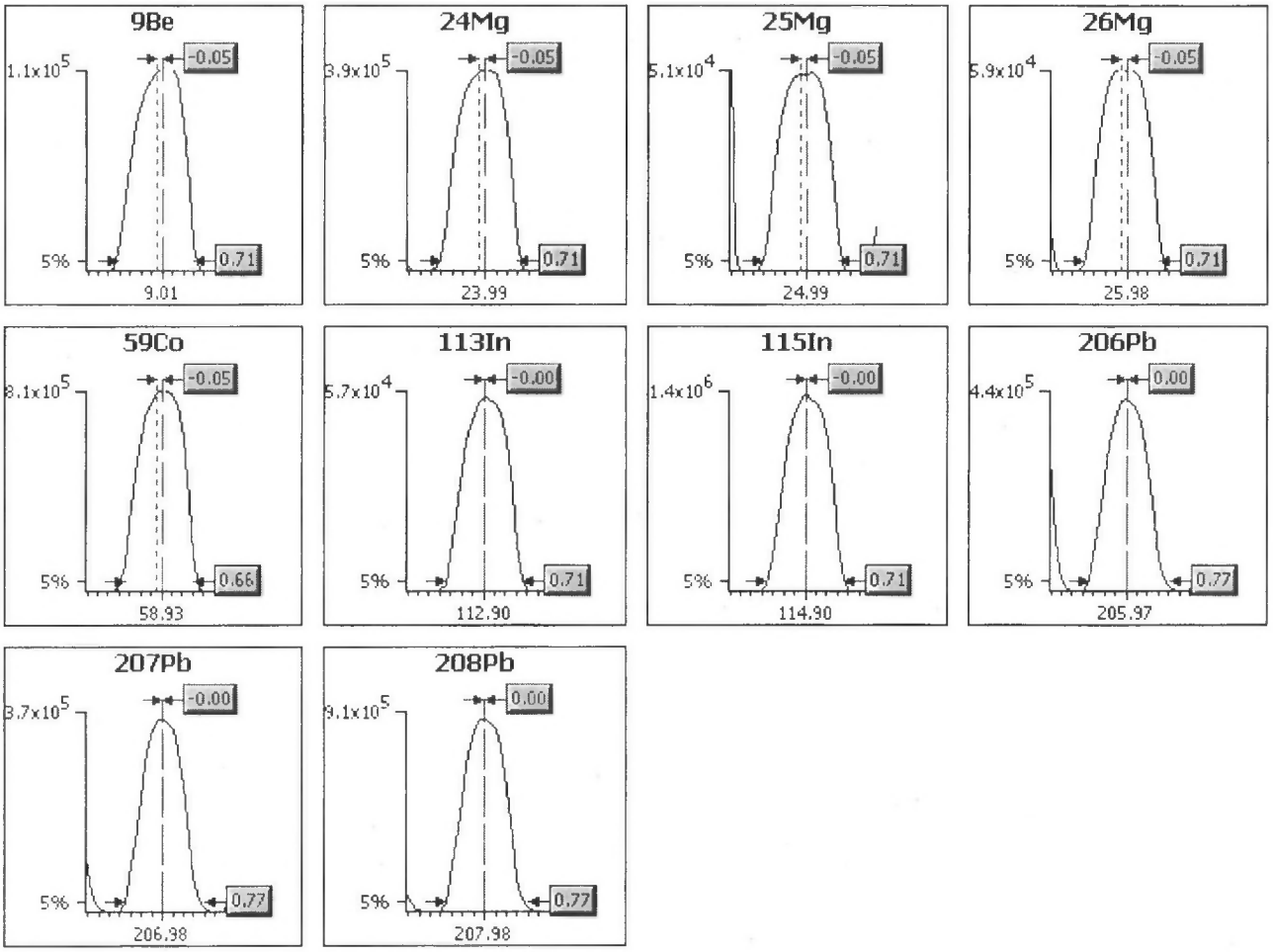
RUN# MS2080 84

SDG# MH2599

Sample details
Acquired at : 07/08/2008 09:34:57
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 : 07/08/2008 09:34:57
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 TUNE
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	09:35:17	0.385	105054.19	401081.31	53189.206	61943.986	635143.60	838393.55	42417.424	0.154
2	09:36:30	0.308	105541.83	403935.08	53418.357	62178.802	637285.94	844311.76	42296.298	0.154
3	09:37:43	0.231	105572.99	405430.53	53562.353	62320.625	637498.21	842350.46	42280.062	0.154
4	09:38:56	0.538	105719.45	406441.90	53937.840	62620.553	639884.16	851974.37	42887.255	0.308
5	09:40:09	0.308	106196.22	405754.99	53559.257	62844.538	641081.94	854110.39	42914.575	0.692
x		0.354	105616.94	404528.76	53533.403	62381.701	638178.77	846228.11	42559.123	0.292
σ		0.12	409.37	2133.91	272.39	356.29	2335.02	6618.89	316.64	0.23
%RSD		32.969	0.388	0.528	0.509	0.571	0.366	0.782	0.744	79.820

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	09:35:17	58764.158	1390070.1	1037648.8	1527833.3	30615.366	444173.99	366747.22	916732.71	0.692
2	09:36:30	58562.748	1397750.7	1042337.3	1532911.6	30360.847	444703.45	365900.42	916568.32	0.538
3	09:37:43	59073.255	1406147.8	1046041.1	1539269.3	30617.167	446858.09	368506.17	922937.92	0.231
4	09:38:56	59540.408	1411886.9	1049665.7	1550679.3	30640.329	448840.48	370120.80	928850.00	0.538
5	09:40:09	59145.302	1416278.5	1055981.6	1552538.6	31039.494	452767.69	373231.17	933168.72	0.231
x		59017.174	1404426.8	1046334.9	1540646.4	30654.641	447468.74	368901.16	923651.53	0.446
σ		375.45	10603.82	6994.09	10816.46	243.71	3494.12	2917.04	7351.06	0.21
%RSD		0.636	0.755	0.668	0.702	0.795	0.781	0.791	0.796	46.263

Ratio results

Run	Time	56Ar O/59Co	138Ba++/138Ba	115In/101Bkg	156Ce O/140Ce
Ratio limits		-	-	>10000.0000	<0.0300
1	09:35:17	0.758	0.041	9035455.6	0.020
2	09:36:30	0.755	0.041	9085379.4	0.020
3	09:37:43	0.757	0.040	9139960.8	0.020
4	09:38:56	0.751	0.041	4588632.4	0.020
5	09:40:09	0.751	0.041	2045735.6	0.020
x		0.7542	0.0407	6779032.7	0.0199
σ		0.00	0.00	3285826.23	0.00
%RSD		0.4269	0.4776	48.4704	0.5970

Result : The performance report passed.

Experiment Details

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Elemental\PlasmaLab\data\Run Data\MS208083.tee
Created By User	Edwards
Analyte Database	ILM5.3.tea
Creation Timestamp	02/02/2005 10:10:19
Last Edited By	Edwards
Last Edit Timestamp	07/08/2008 11:43:49
Instrument Detector	Simultaneous
Database Version	3.51
Acquisition Mode	Unknown

RUN# MS208084
ICPM02
07/08/08
ILM05.4 - HW3
SDG# MH2599
44Ca + 66Zn DILUTIONS.
07/11/08

Numerical Results report key (text indicates meaning)

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

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

Result cells
- Internal Standard
- Excluded
- Warning
- 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	
43Ca	1	10000	
44Ca	1	10000	
45Sc	1	20000	Standard
52Cr	1	10000	Standard
53Cl O	1	10000	Standard
66Zn	1	10000	Standard
77Ar Cl	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
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

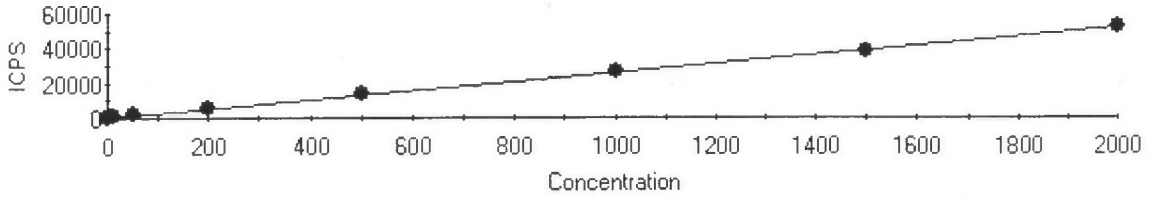
Symbol	Interference Correction	RSF	Calibration Method	Line Fit	Weighting	Forcing	Use for Semi-Quant	Max Error	Minimum Correlation
6Li	Yes	1.00	None				No		
7Li	Yes	1.00	None				No		
13C	Yes	0.05	None				No		
43Ca	Yes	0.99	None				No		
44Ca	Yes	0.99	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
45Sc	Yes	1.00	None				No		
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		
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		
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		
66Zn	Yes	0.38	Fully-Quantified	Linear	None	Through Blank	Yes		

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	ICV2	Unknown	1.000	1	1	11	144
12	ICB2	Unknown	1.000	1	1	12	144
13	CRI12	Unknown	1.000	1	2	1	144
14	ICSA2	Unknown	1.000	1	2	2	144
15	ICSAB2	Unknown	1.000	1	2	3	144
16	CCV6	Unknown	1.000	1	2	4	144
17	CCB6	Unknown	1.000	1	2	5	144
18	MH2599	Unknown	1.000	1	2	6	144
19	MH2599L	Unknown	1.000	1	2	7	144
20	MH25A0	Unknown	1.000	1	2	8	144
21	ZZZZZZ	Unknown	1.000	1	2	9	144
22	ZZZZZZ	Unknown	1.000	1	2	10	144
23	ZZZZZZ	Unknown	1.000	1	2	11	144
24	ZZZZZZ	Unknown	1.000	1	2	12	144
25	ZZZZZZ	Unknown	1.000	1	3	1	144
26	CRIF3	Unknown	1.000	1	3	2	144
27	CCV7	Unknown	1.000	1	3	3	144
28	CCB7	Unknown	1.000	1	3	4	144

Fully Quant Calibration

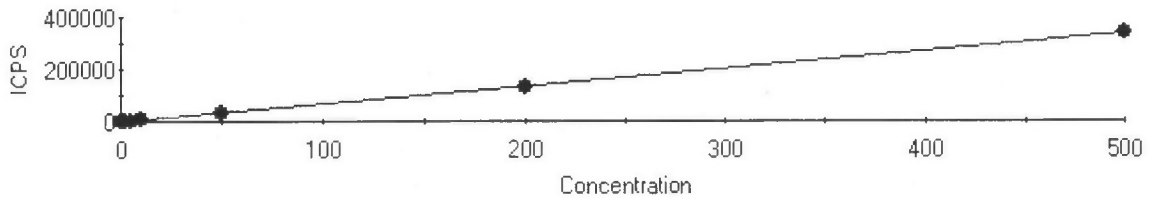
44Ca FQ Block 1



Intercept CPS=462.808890 Intercept Conc=18.081392
Sensitivity=25.595866 Correlation Coeff=0.999971

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	462.81	0.00
S2	2.000	9.493	7.493	705.79	374.65
S5	5.000	10.157	5.157	722.79	103.14
S10	10.000	14.832	4.832	842.46	48.32
S50	50.000	57.219	7.219	1927.37	14.44
S200	200.000	209.529	9.529	5825.90	4.76
S500	500.000	509.593	9.593	13506.28	1.92
S1000	1000.000	1010.650	10.650	26331.28	1.07
S1500	1500.000	1489.318	10.682	38583.18	0.71
S2000	2000.000	1999.110	0.890	51631.77	0.04

66Zn FQ Block 1



Intercept CPS=188.009468 Intercept Conc=0.280823
Sensitivity=669.495073 Correlation Coeff=0.999966

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	188.01	0.00
S2	2.000	2.520	0.520	1875.05	25.99
S5	5.000	4.905	0.095	3471.70	1.91
S10	10.000	9.880	0.120	6802.85	1.20
S50	50.000	48.402	1.598	32592.80	3.20
S200	200.000	196.693	3.307	131872.85	1.65
S500	500.000	501.484	1.484	335929.06	0.30

Dilution Corrected Concentrations

S0 07/08/2008 09:52:12

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	09:52:31	100.51%	-0.2347	99.57%	-0.0019	98.56%
2	09:52:50	100.33%	-0.6679	99.80%	-0.0080	100.02%
3	09:53:09	99.70%	-0.7102	99.49%	0.0149	100.08%
4	09:53:28	99.45%	0.9802	100.44%	-0.0018	100.27%
5	09:53:46	100.01%	0.6326	100.70%	-0.0032	101.07%
x		100.00%	-0.0000	100.00%	-0.0000	100.00%
%RSD		0.44	0.0000	0.54	0.0000	0.91
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	09:52:31	-0.2028	98.55%	97.74%	97.33%	0.0000
2	09:52:50	0.1128	99.33%	98.88%	99.14%	0.0000
3	09:53:09	0.2268	100.46%	100.25%	100.22%	0.0000
4	09:53:28	-0.0685	100.50%	101.26%	101.18%	0.0000
5	09:53:46	-0.0683	101.15%	101.87%	102.12%	0.0000
x		-0.0000	100.00%	100.00%	100.00%	0.0000
%RSD		0.0000	1.04	1.70	1.86	0.0000

S2 07/08/2008 09:56:35

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	09:56:54	95.49%	9.0614	93.07%	2.5252	91.33%
2	09:57:13	96.37%	11.0950	95.31%	2.4624	93.86%
3	09:57:32	97.00%	9.3633	97.08%	2.4968	95.67%
4	09:57:50	99.20%	9.2911	97.65%	2.7569	96.55%
5	09:58:09	98.87%	8.6542	97.81%	2.3580	97.48%
x		97.39%	9.4930	96.19%	2.5199	94.98%
%RSD		1.64	9.8725	2.08	5.8269	2.56
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	09:56:54	-1.2136	90.33%	88.10%	87.42%	0.0000
2	09:57:13	-0.6575	93.26%	90.96%	90.71%	0.0000
3	09:57:32	-0.4353	95.12%	93.42%	93.40%	0.0000
4	09:57:50	-0.2061	96.42%	96.03%	95.46%	0.0000
5	09:58:09	-0.5026	98.12%	96.90%	97.13%	0.0000
x		-0.6030	94.65%	93.08%	92.82%	0.0000
%RSD		62.6860	3.17	3.90	4.16	0.0000

S5 07/08/2008 10:00:59

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:01:18	96.03%	7.7473	94.09%	4.8537	91.61%
2	10:01:37	97.66%	10.3250	95.51%	4.7886	94.23%
3	10:01:55	97.74%	9.8771	96.72%	4.8914	94.86%
4	10:02:14	98.63%	11.3620	97.82%	4.8935	97.19%
5	10:02:33	98.99%	11.4750	98.76%	5.0964	98.06%
x		97.81%	10.1570	96.58%	4.9047	95.19%
%RSD		1.17	14.8520	1.91	2.3497	2.68
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:01:18	-0.5877	90.27%	88.32%	87.82%	0.0000
2	10:01:37	-0.6120	93.31%	91.45%	90.83%	0.0000
3	10:01:55	-0.0388	95.50%	93.84%	93.90%	0.0000
4	10:02:14	-0.5671	96.48%	95.40%	95.42%	0.0000
5	10:02:33	-0.7401	97.74%	97.04%	96.70%	0.0000
x		-0.5091	94.66%	93.21%	92.94%	0.0000
%RSD		53.3130	3.11	3.67	3.88	0.0000

S10 07/08/2008 10:05:23

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:05:42	97.49%	16.3310	94.41%	10.0490	92.11%
2	10:06:01	99.08%	14.3670	95.62%	9.3972	93.67%
3	10:06:20	98.18%	14.7490	96.63%	9.8863	95.03%
4	10:06:39	99.88%	10.9180	98.26%	9.9484	96.99%
5	10:06:58	100.03%	17.7980	98.49%	10.1210	97.35%
x		98.93%	14.8320	96.68%	9.8803	95.03%
%RSD		1.10	17.3820	1.79	2.8820	2.33
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:05:42	-0.7974	90.98%	88.49%	87.87%	0.0000
2	10:06:01	-0.6302	93.17%	91.40%	91.03%	0.0000
3	10:06:20	-0.8298	95.27%	94.07%	93.51%	0.0000
4	10:06:39	-0.6548	96.98%	95.95%	95.50%	0.0000
5	10:06:58	-0.5951	97.73%	96.91%	96.99%	0.0000
x		-0.7015	94.83%	93.36%	92.98%	0.0000
%RSD		14.9930	2.93	3.68	3.90	0.0000

S50 07/08/2008 10:09:49

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:10:08	96.88%	60.6120	93.88%	48.8160	90.89%
2	10:10:26	97.70%	56.6110	94.06%	49.0250	92.53%
3	10:10:45	99.61%	55.7190	95.72%	48.2470	94.49%
4	10:11:03	99.42%	56.4090	96.69%	47.5610	95.15%
5	10:11:22	99.10%	56.7420	97.20%	48.3600	96.65%
x		98.54%	57.2190	95.51%	48.4020	93.94%
%RSD		1.21	3.3861	1.57	1.1749	2.40
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:10:08	-1.0099	89.90%	87.57%	87.09%	0.0000
2	10:10:26	-0.4083	92.04%	90.40%	90.21%	0.1962
3	10:10:45	-0.5139	94.45%	92.44%	92.56%	0.0000
4	10:11:03	-0.2343	95.27%	94.02%	94.03%	0.0000
5	10:11:22	-0.3022	95.68%	95.34%	95.92%	0.0000
x		-0.4937	93.47%	91.95%	91.96%	0.0392
%RSD		62.2730	2.61	3.34	3.73	223.6100

S200 07/08/2008 10:14:13

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:14:32	95.60%	206.2100	90.92%	198.2300	88.96%
2	10:14:51	95.67%	209.9700	92.14%	196.0300	90.68%
3	10:15:10	96.58%	203.4100	92.39%	196.8700	91.77%
4	10:15:28	97.87%	210.9100	93.46%	196.3300	92.84%
5	10:15:47	98.08%	217.1400	94.48%	196.0000	94.30%
x		96.76%	209.5300	92.68%	196.6900	91.71%
%RSD		1.21	2.4853	1.46	0.4721	2.23
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:14:32	-1.3840	88.75%	86.36%	86.19%	0.0000
2	10:14:51	0.5162	90.39%	89.07%	89.27%	0.0000
3	10:15:10	1.0167	91.57%	90.98%	91.64%	0.0000
4	10:15:28	-0.8125	93.17%	92.77%	93.18%	0.0000
5	10:15:47	-0.9073	94.24%	93.84%	95.32%	0.1857
x		-0.3142	91.62%	90.60%	91.12%	0.0371
%RSD		326.3700	2.38	3.29	3.88	223.6100

S500 07/08/2008 10:18:39

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:18:57	94.46%	495.5000	88.25%	M 506.5900	86.16%
2	10:19:16	93.70%	508.0900	89.01%	499.3500	87.91%
3	10:19:35	95.08%	515.6400	90.26%	M 500.8900	88.99%
4	10:19:54	95.38%	513.6600	90.61%	M 500.3800	89.59%
5	10:20:13	95.88%	515.0700	90.30%	M 500.2200	89.50%
x		94.90%	509.5900	89.69%	M 501.4800	88.43%
%RSD		0.89	1.6531	1.13	M 0.5793	1.62
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:18:57	-1.4149	85.78%	84.31%	84.94%	0.4168
2	10:19:16	0.2282	87.41%	86.46%	87.56%	0.0000
3	10:19:35	-1.8779	89.55%	88.66%	89.57%	0.1976
4	10:19:54	1.4048	90.23%	90.04%	91.21%	0.0000
5	10:20:13	-0.1881	90.23%	91.18%	92.39%	0.0000
x		-0.3696	88.64%	88.13%	89.13%	0.1229
%RSD		355.5400	2.23	3.14	3.33	150.7500

S1000 07/08/2008 10:23:05

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:23:24	92.15%	1000.4000	84.88%	M 992.9200	83.13%
2	10:23:43	93.32%	1016.8000	85.86%	M 993.7400	84.43%
3	10:24:01	94.14%	1002.2000	85.82%	M 997.0100	85.55%
4	10:24:20	93.70%	1012.4000	86.66%	M 987.8400	86.13%
5	10:24:38	93.93%	1021.4000	86.47%	M 994.3400	86.71%
x		93.45%	1010.7000	85.94%	M 993.1700	85.19%
%RSD		0.84	0.9048	0.81	M 0.3372	1.68
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:23:24	-0.0447	82.66%	82.35%	82.60%	0.0000
2	10:23:43	3.7247	85.14%	83.91%	85.67%	0.0000
3	10:24:01	-0.3632	86.03%	85.99%	87.48%	0.2023
4	10:24:20	-0.5503	87.33%	88.08%	89.53%	0.0000
5	10:24:38	-1.3784	87.93%	88.76%	90.25%	0.0000
x		0.2776	85.82%	85.82%	87.11%	0.0405
%RSD		716.4700	2.42	3.16	3.55	223.6100

S1500 07/08/2008 10:27:30

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:27:49	96.27%	1474.7000	88.72%	0.5794	85.70%
2	10:28:07	94.91%	1488.6000	89.21%	0.5930	87.67%
3	10:28:26	95.78%	1473.5000	90.72%	0.6489	89.99%
4	10:28:45	97.67%	1493.1000	91.45%	0.7793	91.01%
5	10:29:04	97.64%	1516.6000	92.31%	1.3551	92.13%
x		96.46%	1489.3000	90.48%	0.7911	89.30%
%RSD		1.24	1.1740	1.66	41.0810	2.91
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:27:49	-0.9237	85.77%	84.77%	85.19%	0.0000
2	10:28:07	-0.6798	88.26%	87.14%	88.27%	0.0000
3	10:28:26	-0.0544	90.21%	89.88%	90.40%	0.0000
4	10:28:45	-0.4086	91.72%	91.21%	92.36%	0.0000
5	10:29:04	-0.4654	93.00%	92.31%	94.25%	0.0000
x		-0.5064	89.79%	89.06%	90.09%	0.0000
%RSD		63.9760	3.19	3.46	3.92	0.0000

S2000 07/08/2008 10:31:56

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:32:14	96.16%	1994.6000	89.88%	0.8678	87.56%
2	10:32:33	97.29%	2008.2000	91.24%	0.8429	89.48%
3	10:32:51	97.88%	2016.1000	91.89%	0.9246	90.86%
4	10:33:10	98.29%	1991.3000	93.51%	0.8265	91.91%
5	10:33:29	98.59%	1985.3000	94.53%	0.8959	93.29%
x		97.64%	1999.1000	92.21%	0.8715	90.62%
%RSD		0.98	0.6340	2.00	4.5424	2.44
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:32:14	-0.7796	86.97%	85.00%	85.00%	0.0000
2	10:32:33	-0.6914	89.24%	87.82%	87.56%	0.2022
3	10:32:51	-0.6657	90.55%	89.79%	90.40%	0.0000
4	10:33:10	-0.4737	92.41%	91.33%	91.83%	0.0000
5	10:33:29	-0.2267	93.87%	93.16%	93.67%	0.0000
x		-0.5674	90.61%	89.42%	89.69%	0.0404
%RSD		38.9050	2.97	3.53	3.84	223.6100

ICV2 07/08/2008 10:36:22

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:36:40	96.65%	1992.3000	89.77%	200.9100	86.65%
2	10:36:59	96.39%	2035.5000	90.47%	201.4200	88.38%
3	10:37:18	95.99%	2024.9000	91.00%	201.8900	89.54%
4	10:37:36	97.69%	2047.5000	92.69%	199.3500	91.48%
5	10:37:55	97.74%	2046.1000	92.70%	202.4500	91.50%
x		96.89%	2029.3000	91.33%	201.2000	89.51%
%RSD		0.82	1.1120	1.45	0.5877	2.32
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:36:40	-0.2023	86.60%	84.97%	84.85%	0.0000
2	10:36:59	-0.6543	89.04%	87.56%	87.71%	0.0000
3	10:37:18	0.3424	89.82%	89.84%	90.46%	0.0000
4	10:37:36	-0.7826	91.70%	91.23%	92.10%	0.0000
5	10:37:55	-0.6547	92.31%	92.88%	93.58%	0.1892
x		-0.3903	89.89%	89.30%	89.74%	0.0378
%RSD		119.2000	2.53	3.48	3.90	223.6100

ICB2 07/08/2008 10:40:48

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:41:07	97.00%	5.7493	92.50%	-0.0412	88.18%
2	10:41:26	97.66%	4.4431	92.65%	0.0046	90.43%
3	10:41:45	99.07%	3.1585	94.57%	-0.0290	92.20%
4	10:42:03	100.51%	4.6105	95.40%	0.0109	93.97%
5	10:42:22	101.14%	4.4941	96.31%	-0.0735	94.57%
x		99.08%	4.4911	94.29%	-0.0256	91.87%
%RSD		1.79	20.4540	1.78	135.1200	2.85
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:41:07	-0.9323	88.14%	85.98%	85.96%	0.0000
2	10:41:26	-0.8370	90.26%	88.93%	89.14%	0.0000
3	10:41:45	-0.3094	92.22%	91.41%	91.13%	0.1942
4	10:42:03	-0.4218	93.92%	92.91%	93.03%	0.0000
5	10:42:22	0.2654	94.38%	93.97%	94.61%	0.0000
x		-0.4470	91.78%	90.64%	90.77%	0.0388
%RSD		106.9800	2.84	3.55	3.72	223.6100

CRII2 07/08/2008 10:45:14

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:45:32	98.63%	1.2010	93.05%	1.7299	89.62%
2	10:45:51	100.29%	0.9582	94.24%	1.7883	91.94%
3	10:46:10	100.13%	4.1191	95.33%	1.9441	92.92%
4	10:46:28	101.48%	3.6297	96.57%	2.0679	94.48%
5	10:46:48	101.21%	3.2318	97.47%	2.0296	95.79%
x		100.35%	2.6279	95.33%	1.9120	92.95%
%RSD		1.12	55.1960	1.85	7.7423	2.55
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:45:32	-0.4665	88.96%	86.96%	86.60%	0.0000
2	10:45:51	-0.6928	91.08%	89.61%	89.37%	0.0000
3	10:46:10	-0.4242	93.23%	92.25%	92.57%	0.0000
4	10:46:28	-0.2822	94.69%	93.34%	94.07%	0.0000
5	10:46:48	0.1258	96.07%	95.49%	96.03%	0.0000
x		-0.3480	92.81%	91.53%	91.73%	0.0000
%RSD		87.1140	3.05	3.62	4.10	0.0000

ICSA2 07/08/2008 10:49:38

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:49:57	87.36%	TM 109750.0000	80.52%	11.8580	75.92%
2	10:50:16	88.16%	TM 110630.0000	82.94%	11.5170	78.16%
3	10:50:34	88.94%	TM 112560.0000	83.85%	11.9960	80.02%
4	10:50:53	89.38%	TM 111950.0000	84.88%	11.8260	81.53%
5	10:51:11	89.50%	TM 113460.0000	85.98%	11.5420	82.99%
x		88.67%	TM 111670.0000	83.63%	11.7480	79.72%
%RSD		1.02	TM 1.3300	2.49	1.7838	3.49
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:49:57	8.1386	79.63%	78.08%	75.61%	0.0000
2	10:50:16	8.0968	82.86%	81.46%	78.40%	0.0000
3	10:50:34	7.1449	84.25%	83.38%	80.86%	0.0000
4	10:50:53	6.4572	86.65%	85.55%	82.57%	0.0000
5	10:51:11	7.0319	87.41%	87.54%	84.40%	0.0000
x		7.3739	84.16%	83.20%	80.37%	0.0000
%RSD		9.8660	3.71	4.40	4.30	0.0000

ICSAB2 07/08/2008 10:54:02

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:54:20	89.98%	TM 109640.0000	84.58%	29.7240	79.27%
2	10:54:39	90.22%	TM 110990.0000	85.99%	29.4810	80.95%
3	10:54:57	90.22%	TM 111700.0000	87.20%	28.8640	82.67%
4	10:55:16	91.31%	TM 111850.0000	88.25%	28.3520	84.65%
5	10:55:35	92.22%	TM 113060.0000	89.17%	29.4730	85.25%
x		90.79%	TM 111450.0000	87.04%	29.1790	82.56%
%RSD		1.05	TM 1.1287	2.09	1.9211	3.03
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:54:20	7.1936	83.10%	80.63%	76.72%	0.0000
2	10:54:39	7.4825	85.03%	83.57%	79.41%	0.0000
3	10:54:57	9.0733	87.30%	85.70%	81.46%	0.0000
4	10:55:16	8.4793	88.43%	87.17%	83.31%	0.2125
5	10:55:35	7.0175	90.09%	89.23%	84.86%	0.0000
x		7.8492	86.79%	85.26%	81.15%	0.0425
%RSD		11.3080	3.19	3.89	3.95	223.6100

CCV6 07/08/2008 10:58:26

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:58:45	97.22%	1004.7000	94.27%	249.7000	92.20%
2	10:59:03	96.31%	1006.4000	95.89%	248.9300	93.94%
3	10:59:22	97.32%	1033.6000	97.09%	247.9200	95.28%
4	10:59:42	98.37%	1028.1000	97.83%	248.1300	96.73%
5	11:00:00	98.30%	1057.6000	98.18%	246.3900	97.30%
x		97.50%	1026.1000	96.65%	248.2100	95.09%
%RSD		0.88	2.1233	1.65	0.4981	2.19
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	10:58:45	-0.0910	92.44%	90.93%	90.18%	0.0000
2	10:59:03	0.8671	94.35%	94.10%	93.90%	0.1885
3	10:59:22	1.4612	96.51%	96.24%	96.43%	0.0000
4	10:59:42	0.8089	97.87%	97.67%	98.16%	0.0000
5	11:00:00	0.6561	99.39%	99.70%	99.87%	0.1772
x		0.7405	96.11%	95.73%	95.71%	0.0731
%RSD		75.1470	2.88	3.52	3.97	137.0400

CCB6 07/08/2008 11:02:52

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:03:11	97.80%	10.6760	96.76%	-0.0063	93.57%
2	11:03:30	98.65%	6.7639	98.26%	-0.0514	97.05%
3	11:03:49	99.24%	5.4332	99.25%	-0.0570	97.60%
4	11:04:07	100.15%	9.2432	100.80%	-0.0752	98.93%
5	11:04:26	101.02%	11.0210	102.37%	-0.1151	100.39%
x		99.37%	8.6276	99.49%	-0.0610	97.51%
%RSD		1.27	28.3810	2.19	64.6930	2.62
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:03:11	-0.6543	93.35%	92.34%	90.98%	0.0000
2	11:03:30	-0.3284	96.23%	95.03%	95.08%	0.0000
3	11:03:49	-0.3140	98.06%	97.15%	97.69%	0.0000
4	11:04:07	0.3293	99.34%	99.12%	99.47%	0.0000
5	11:04:26	-0.0127	101.35%	101.16%	101.26%	0.0000
x		-0.1960	97.67%	96.96%	96.90%	0.0000
%RSD		189.3700	3.13	3.55	4.15	0.0000

MH2594-2r 07/09/08

~~MH2599~~ 07/08/2008 11:07:18

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:07:36	99.79%	TM 76173.0000	95.38%	326.4100	91.57%
2	11:07:55	99.48%	TM 77291.0000	96.30%	327.4800	92.68%
3	11:08:13	99.89%	TM 77145.0000	97.01%	327.1300	94.26%
4	11:08:32	101.93%	TM 76814.0000	98.46%	325.6600	95.50%
5	11:08:50	102.44%	TM 77879.0000	98.38%	326.9500	95.70%
x		100.71%	TM 77060.0000	97.11%	326.7300	93.94%
%RSD		1.36	TM 0.8153	1.37	0.2170	1.91
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:07:36	-0.3529	90.33%	91.43%	85.99%	0.0000
2	11:07:55	-0.5878	92.06%	93.68%	88.88%	0.0000
3	11:08:13	0.0995	93.50%	95.81%	91.71%	0.0000
4	11:08:32	-0.1593	95.10%	98.16%	92.89%	0.0000
5	11:08:50	-0.0677	95.95%	99.49%	94.59%	0.0000
x		-0.2136	93.39%	95.71%	90.81%	0.0000
%RSD		124.2100	2.43	3.42	3.75	0.0000

MH2584-2+ E07/09/08
~~MH2599L~~ 07/08/2008 11:11:42

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:12:01	98.46%	TM 125750.0000	92.53%	98.7390	88.14%
2	11:12:20	100.42%	TM 127680.0000	92.87%	97.9580	89.58%
3	11:12:38	101.10%	TM 127390.0000	94.29%	97.3530	91.20%
4	11:12:57	100.99%	TM 128510.0000	95.48%	98.2080	92.27%
5	11:13:15	101.23%	TM 128360.0000	95.89%	99.4610	92.09%
x		100.44%	TM 127540.0000	94.21%	98.3440	90.66%
%RSD		1.14	TM 0.8644	1.60	0.8121	1.95
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:12:01	-0.4984	87.83%	88.90%	85.30%	0.0000
2	11:12:20	-0.1037	89.54%	91.74%	88.16%	0.0000
3	11:12:38	0.3390	90.76%	94.16%	90.26%	0.1961
4	11:12:57	-0.2723	92.33%	95.73%	92.58%	0.0000
5	11:13:15	0.0600	93.06%	96.90%	93.49%	3.0294
x		-0.0951	90.70%	93.49%	89.96%	0.6451
%RSD		335.4100	2.33	3.44	3.70	207.0300

MH2584-2+ E07/09/08
~~MH2580~~ 07/08/2008 11:16:08

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:16:27	98.07%	TM 193470.0000	90.82%	TM 4470.6000	86.37%
2	11:16:45	96.97%	TM 194010.0000	91.96%	TM 4463.8000	87.64%
3	11:17:04	100.90%	TM 194040.0000	93.57%	TM 4435.8000	89.46%
4	11:17:22	99.59%	TM 194810.0000	95.23%	TM 4406.3000	91.66%
5	11:17:41	100.50%	TM 194890.0000	95.53%	TM 4427.8000	91.92%
x		99.21%	TM 194250.0000	93.42%	TM 4440.9000	89.41%
%RSD		1.67	TM 0.3087	2.19	TM 0.5963	2.72
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:16:27	-0.1204	85.31%	87.89%	81.75%	0.0000
2	11:16:45	0.0952	87.14%	90.52%	84.79%	0.0000
3	11:17:04	0.2395	88.87%	92.59%	86.60%	0.0000
4	11:17:22	0.1659	90.41%	94.72%	88.93%	0.0000
5	11:17:41	-0.2107	91.43%	95.94%	90.06%	0.0000
x		0.0339	88.63%	92.33%	86.43%	0.0000
%RSD		565.5500	2.78	3.50	3.84	0.0000

ZZZZZZ 07/08/2008 11:20:34

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:20:52	101.87%	13.1600	94.73%	0.7502	91.36%
2	11:21:11	103.16%	14.0310	97.06%	0.5886	93.55%
3	11:21:29	104.20%	24.8330	97.81%	0.7900	95.30%
4	11:21:48	103.84%	33.2830	98.76%	0.8376	96.14%
5	11:22:07	103.44%	36.4860	99.05%	0.9260	97.70%
x		103.30%	24.3590	97.48%	0.7785	94.81%
%RSD		0.86	43.9770	1.77	16.0240	2.58
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:20:52	-0.5109	91.95%	90.49%	91.59%	0.0000
2	11:21:11	-0.9612	94.23%	92.96%	93.85%	0.1886
3	11:21:29	-0.6803	95.58%	95.73%	96.37%	0.0000
4	11:21:48	-0.1536	97.04%	97.29%	98.81%	0.0000
5	11:22:07	0.0463	98.01%	98.64%	100.29%	0.0000
x		-0.4519	95.36%	95.02%	96.18%	0.0377
%RSD		89.3460	2.50	3.47	3.69	223.6100

zzzzzz 07/08/2008 11:25:00

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:25:18	100.40%	4.3305	93.51%	2.1407	89.92%
2	11:25:37	101.98%	5.4519	95.28%	2.0090	92.19%
3	11:25:56	101.26%	3.9645	95.99%	2.0843	93.40%
4	11:26:15	102.66%	6.5412	97.02%	2.1027	95.01%
5	11:26:34	103.74%	5.1090	97.92%	2.0372	95.98%
x		102.01%	5.0794	95.94%	2.0748	93.30%
%RSD		1.26	19.8840	1.76	2.5222	2.56
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:25:18	-0.9155	89.74%	88.71%	88.64%	0.0000
2	11:25:37	-0.5380	92.26%	91.20%	92.16%	0.0000
3	11:25:56	-0.4364	94.00%	93.61%	94.52%	0.0000
4	11:26:15	-0.2089	95.53%	95.40%	96.23%	0.0000
5	11:26:34	0.0536	96.84%	97.02%	98.21%	0.0000
x		-0.4090	93.68%	93.19%	93.95%	0.0000
%RSD		88.8230	2.97	3.55	3.95	0.0000

zzzzzz 07/08/2008 11:29:27

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:29:46	98.77%	1021.1000	91.62%	249.5400	88.48%
2	11:30:05	98.89%	992.3000	92.34%	248.1200	89.53%
3	11:30:24	99.67%	1009.8000	92.98%	245.8300	90.45%
4	11:30:42	99.30%	1007.5000	93.73%	247.0900	91.86%
5	11:31:01	98.55%	1036.7000	93.46%	247.9700	91.99%
x		99.03%	1013.5000	92.83%	247.7100	90.46%
%RSD		0.45	1.6339	0.92	0.5532	1.67
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:29:46	-1.0180	88.67%	87.80%	88.59%	0.3996
2	11:30:05	-0.7996	89.82%	89.40%	91.50%	0.1935
3	11:30:24	-0.1763	92.61%	92.14%	93.73%	0.0000
4	11:30:42	-1.0407	92.95%	93.11%	95.33%	0.0000
5	11:31:01	0.2098	93.95%	94.71%	96.49%	0.0000
x		-0.5650	91.60%	91.43%	93.13%	0.1186
%RSD		98.4710	2.45	3.06	3.39	150.0900

zzzzzz 07/08/2008 11:33:55

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:34:14	97.84%	438.4100	90.97%	111.3000	87.87%
2	11:34:33	97.86%	452.3600	92.08%	110.1900	90.15%
3	11:34:52	99.64%	456.0900	93.64%	112.6000	91.29%
4	11:35:11	99.70%	458.5300	93.88%	111.0700	91.74%
5	11:35:30	99.44%	461.9000	94.10%	111.4100	93.00%
x		98.90%	453.4600	92.93%	111.3100	90.81%
%RSD		0.97	2.0076	1.46	0.7755	2.13
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:34:14	-0.6255	88.47%	86.61%	88.27%	0.0000
2	11:34:33	-1.0202	90.15%	89.64%	91.27%	0.0000
3	11:34:52	-0.3262	92.24%	92.27%	93.60%	0.0000
4	11:35:11	-0.0228	92.87%	93.42%	95.37%	0.0000
5	11:35:30	-2.0416	94.08%	94.50%	96.44%	0.0000
x		-0.8073	91.56%	91.29%	92.99%	0.0000
%RSD		96.9240	2.45	3.49	3.53	0.0000

zzzzzz 07/08/2008 11:45:29

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:45:48	103.04%	50.6030	98.31%	1.0592	94.80%
2	11:46:06	103.25%	44.6880	98.03%	1.0418	96.91%
3	11:46:25	104.90%	50.2360	99.60%	1.1335	96.66%
4	11:46:44	103.88%	51.4390	99.37%	1.0498	98.37%
5	11:47:02	103.85%	52.8430	99.70%	1.0370	98.31%
x		103.78%	49.9620	99.00%	1.0642	97.01%
%RSD		0.70	6.2323	0.78	3.7219	1.51
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:45:48	-4.7961	95.18%	95.96%	96.50%	0.0000
2	11:46:06	-4.4717	97.10%	97.26%	98.40%	0.0000
3	11:46:25	-4.6176	98.09%	98.41%	99.57%	0.0000
4	11:46:44	-4.5466	99.11%	100.08%	101.31%	0.0000
5	11:47:02	-5.0085	99.15%	99.59%	101.19%	0.0000
x		-4.6881	97.73%	98.26%	99.39%	0.0000
%RSD		4.6014	1.69	1.72	2.03	0.0000

CRIF3 07/08/2008 11:49:53

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:50:11	100.47%	39.4660	93.77%	2.8712	90.06%
2	11:50:31	101.36%	34.7740	94.95%	2.5158	91.41%
3	11:50:49	100.37%	36.4080	96.37%	2.4482	93.00%
4	11:51:08	102.49%	38.1690	97.27%	2.6601	94.70%
5	11:51:27	102.40%	43.2450	98.02%	2.7701	95.23%
x		101.42%	38.4120	96.07%	2.6531	92.88%
%RSD		1.00	8.4137	1.79	6.5864	2.34
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:50:11	-5.0572	89.68%	87.94%	88.10%	0.0000
2	11:50:31	-5.1876	91.83%	90.68%	91.32%	0.0000
3	11:50:49	-4.7437	93.49%	92.72%	93.50%	0.0000
4	11:51:08	-4.8163	94.86%	94.86%	95.40%	0.1855
5	11:51:27	-4.9066	96.40%	95.53%	97.05%	0.0000
x		-4.9423	93.25%	92.35%	93.07%	0.0371
%RSD		3.6471	2.80	3.37	3.77	223.6100

CCV7 07/08/2008 11:54:21

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:54:40	98.76%	1034.1000	90.72%	250.0500	86.84%
2	11:54:59	98.44%	1031.5000	91.97%	247.8500	88.78%
3	11:55:17	99.86%	1043.3000	92.77%	249.5300	89.86%
4	11:55:36	99.31%	1035.8000	93.21%	251.6700	90.92%
5	11:55:55	100.82%	1052.5000	94.06%	248.0400	91.69%
x		99.44%	1039.5000	92.55%	249.4300	89.62%
%RSD		0.95	0.8210	1.37	0.6288	2.12
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:54:40	-5.7715	86.94%	85.25%	85.56%	0.0000
2	11:54:59	-2.8535	88.64%	88.31%	88.60%	0.0000
3	11:55:17	-3.6728	90.88%	90.08%	90.75%	0.0000
4	11:55:36	-2.2790	92.18%	91.68%	92.97%	0.1904
5	11:55:55	-4.8433	93.00%	92.92%	93.56%	0.0000
x		-3.8840	90.33%	89.65%	90.29%	0.0381
%RSD		36.7860	2.78	3.36	3.65	223.6100

CCB7 07/08/2008 11:58:50

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:59:08	98.37%	20.4360	92.07%	0.1622	87.46%
2	11:59:27	99.02%	20.8040	92.81%	0.2039	90.29%
3	11:59:46	100.72%	17.6580	93.87%	0.1208	91.54%
4	12:00:05	101.13%	20.8070	95.12%	0.1075	92.41%
5	12:00:24	100.83%	21.3250	96.52%	0.1689	93.54%
x		100.01%	20.2060	94.08%	0.1526	91.05%
%RSD		1.24	7.2215	1.90	25.4420	2.56
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	11:59:08	-5.3146	87.68%	86.28%	86.55%	0.0000
2	11:59:27	-5.1813	90.17%	88.86%	89.57%	0.0000
3	11:59:46	-5.3532	91.63%	91.02%	91.60%	0.0000
4	12:00:05	-4.8344	92.56%	92.98%	93.45%	0.0000
5	12:00:24	-4.9322	94.14%	93.82%	94.49%	0.0000
x		-5.1231	91.24%	90.59%	91.13%	0.0000
%RSD		4.5019	2.69	3.40	3.48	0.0000

Mass Uncorrected ICPS

S0 07/08/2008 09:52:12

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	09:52:31	245361.3900	455.0124	707054.8700	185.0021	1213239.2000
2	09:52:50	244927.2300	445.0119	708702.6500	182.5020	1231297.6000
3	09:53:09	243363.2300	442.5118	706469.4600	197.5023	1231952.1000
4	09:53:28	242754.1800	490.0144	713234.6500	187.5021	1234331.1000
5	09:53:46	244163.6400	482.5140	715101.1400	187.5021	1244145.0000
x		244113.9400	463.0129	710112.5500	188.0021	1230993.0000
%RSD		0.441	4.729	0.542	3.032	0.909
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	09:52:31	5.0000	1374779.9000	2067422.9000	1427026.5000	0.0000
2	09:52:50	5.0000	1385684.0000	2091358.5000	1453586.3000	0.0000
3	09:53:09	10.0000	1401424.4000	2120493.6000	1469482.4000	0.0000
4	09:53:28	7.5000	1401956.2000	2141791.5000	1483562.0000	0.0000
5	09:53:46	5.0000	1411045.9000	2154698.1000	1497323.6000	0.0000
x		6.5000	1394978.1000	2115152.9000	1466196.2000	0.0000
%RSD		34.401	1.041	1.696	1.860	0.000

S2 07/08/2008 09:56:35

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	09:56:54	233125.0200	647.5252	660898.9100	1732.6801	1124285.9000
2	09:57:13	235284.4600	712.5305	676820.0300	1737.6812	1155444.9000
3	09:57:32	236790.3900	682.5280	689397.1700	1792.6928	1177647.1000
4	09:57:50	242152.9000	685.0282	693443.0700	1975.2341	1188515.0000
5	09:58:09	241339.8100	670.0269	694547.0700	1725.1786	1199927.6000
x		237738.5100	679.5277	683021.2500	1792.6933	1169164.1000
%RSD		1.638	3.485	2.083	5.884	2.564
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	09:56:54	105.0007	1260032.7000	1863406.4000	1281684.6000	0.0000
2	09:57:13	77.5004	1300971.1000	1923844.6000	1329943.7000	0.0000
3	09:57:32	100.0006	1326838.4000	1975941.2000	1369466.0000	0.0000
4	09:57:50	102.5006	1345030.7000	2031234.3000	1399558.9000	0.0000
5	09:58:09	75.0003	1368782.4000	2049552.3000	1424110.0000	0.0000
x		92.0005	1320331.0000	1968795.8000	1360952.6000	0.0000
%RSD		15.775	3.171	3.901	4.156	0.000

S5 07/08/2008 10:00:59

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	10:01:18	234421.4700	622.5233	668160.0600	3193.1116	1127648.0000
2	10:01:37	238426.0500	695.0290	678223.8100	3220.6222	1159939.9000
3	10:01:55	238594.0900	692.5288	686794.9100	3318.1605	1167765.6000
4	10:02:14	240777.2200	737.5326	694624.3900	3378.1846	1196371.6000
5	10:02:33	241662.2900	747.5335	701313.8400	3543.2531	1207061.1000
x		238776.2200	699.0294	685823.4000	3330.6664	1171757.2000
%RSD		1.174	7.062	1.912	4.210	2.683
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	10:01:18	230.0032	1259222.9000	1868129.5000	1287644.6000	0.0000
2	10:01:37	202.5025	1301642.3000	1934367.1000	1331777.3000	0.0000
3	10:01:55	252.5038	1332181.1000	1984835.0000	1376811.7000	0.0000
4	10:02:14	187.5021	1345927.1000	2017921.5000	1399066.9000	0.0000
5	10:02:33	162.5016	1363435.4000	2052623.5000	1417842.7000	0.0000
x		207.0026	1320481.8000	1971575.3000	1362628.6000	0.0000
%RSD		17.046	3.108	3.673	3.875	0.000

S10 07/08/2008 10:05:23

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	10:05:42	238009.3900	832.5416	670424.0000	6452.4971	1133902.5000
2	10:06:01	241868.1400	795.0379	679007.7000	6134.7573	1153115.4000
3	10:06:20	239671.8600	812.5396	686212.2200	6525.0536	1169755.4000
4	10:06:39	243811.0400	730.0320	697773.0800	6687.6824	1193988.4000
5	10:06:58	244185.9500	905.0491	699353.9600	6820.2898	1198370.6000
x		241509.2700	815.0401	686554.1900	6524.0560	1169826.5000
%RSD		1.100	7.770	1.794	3.991	2.329
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	10:05:42	400.0096	1269136.5000	1871738.4000	1288274.2000	0.0000
2	10:06:01	420.0106	1299637.5000	1933227.4000	1334687.4000	0.0000
3	10:06:20	415.0103	1329050.3000	1989723.6000	1371074.9000	0.0000
4	10:06:39	402.5097	1352838.7000	2029396.9000	1400241.9000	0.0000
5	10:06:58	457.5126	1363321.3000	2049725.7000	1422107.3000	0.0000
x		419.0106	1322796.9000	1974762.4000	1363277.1000	0.0000
%RSD		5.511	2.928	3.684	3.904	0.000

S50 07/08/2008 10:09:49

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	10:10:08	236480.9500	1892.7149	666675.4400	30382.7860	1118892.2000
2	10:10:26	238493.7800	1800.1944	667932.8900	30806.8390	1139077.0000
3	10:10:45	243172.7900	1810.1966	679717.1800	30907.2090	1163209.5000
4	10:11:03	242691.5600	1845.2043	686605.1900	30731.5610	1171247.2000
5	10:11:22	241934.1800	1862.7082	690240.3700	31567.1760	1189734.5000
x		240554.6500	1842.2037	678234.2100	30879.1140	1156432.1000
%RSD		1.215	2.062	1.574	1.400	2.401
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	10:10:08	1942.7264	1254088.1000	1852146.1000	1276831.0000	0.0000
2	10:10:26	1987.7370	1283989.8000	1912038.6000	1322636.0000	2.5000
3	10:10:45	2030.2473	1317611.9000	1955148.1000	1357093.1000	0.0000
4	10:11:03	2017.7442	1329035.7000	1988689.9000	1378676.9000	0.0000
5	10:11:22	2087.7615	1334651.0000	2016520.3000	1406395.5000	0.0000
x		2013.2433	1303875.3000	1944908.6000	1348326.5000	0.5000
%RSD		2.662	2.613	3.336	3.734	223.607

S200 07/08/2008 10:14:13

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	10:14:32	233396.6300	5226.6386	645630.0800	119574.2700	1095038.4000
2	10:14:51	233563.7200	5384.2388	654312.1000	120172.7900	1116205.1000
3	10:15:10	235774.6900	5244.1495	656067.3700	121557.6600	1129691.5000
4	10:15:28	238899.3200	5484.3041	663636.6700	122630.7100	1142890.0000
5	10:15:47	239444.6400	5694.4449	670912.2900	124043.8900	1160875.1000
x		236215.8000	5406.7552	658111.7000	121595.8600	1128940.0000
%RSD		1.212	3.560	1.459	1.493	2.226
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	10:14:32	7628.4900	1238060.9000	1826615.7000	1263750.1000	0.0000
2	10:14:51	8199.0315	1260929.4000	1884026.0000	1308799.1000	0.0000
3	10:15:10	8234.0660	1277397.6000	1924270.8000	1343632.2000	0.0000
4	10:15:28	8083.9191	1299678.2000	1962126.0000	1366175.8000	0.0000
5	10:15:47	8128.9629	1314620.0000	1984866.3000	1397629.1000	2.5000
x		8054.8939	1278137.2000	1916381.0000	1335997.3000	0.5000
%RSD		3.047	2.379	3.295	3.876	223.607

S500 07/08/2008 10:18:39

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	10:18:57	230594.3900	11620.5970	626643.4100	M 296033.9000	1060596.4000
2	10:19:16	228741.8700	12003.6390	632060.4600	295966.5700	1082157.3000
3	10:19:35	232100.3400	12346.6400	640932.4100	M 300802.6900	1095506.9000
4	10:19:54	232842.2800	12349.1430	643464.3100	M 302077.5900	1102821.5000
5	10:20:13	234066.7100	12341.6320	641218.1900	M 301300.1900	1101792.9000
x		231669.1200	12132.3300	636863.7600	M 299236.1900	1088575.0000
%RSD		0.891	2.655	1.128	M 0.999	1.624
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	10:18:57	18989.1110	1196618.6000	1783170.3000	1245321.6000	5.0000
2	10:19:16	19828.5620	1219375.6000	1828798.3000	1283759.3000	0.0000
3	10:19:35	19958.8730	1249138.3000	1875373.5000	1313197.1000	2.5000
4	10:19:54	20495.1720	1258682.1000	1904533.2000	1337308.3000	0.0000
5	10:20:13	20369.8650	1258725.5000	1928639.1000	1354542.6000	0.0000
x		19928.3170	1236508.0000	1864102.9000	1306825.8000	1.5000
%RSD		2.979	2.226	3.142	3.327	149.071

S1000 07/08/2008 10:23:05

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	10:23:24	224931.9000	22171.9570	602725.9800	M 558776.1400	1023301.9000
2	10:23:43	227791.3600	22791.1240	609673.8500	M 566807.2300	1039370.0000
3	10:24:01	229788.4100	22465.2400	609428.0600	M 572144.0600	1053110.3000
4	10:24:20	228723.0300	22903.9320	615388.0500	M 571625.2100	1060285.3000
5	10:24:38	229284.8200	23056.8530	614061.6100	M 576563.6200	1067367.2000
x		228103.9000	22677.8210	610255.5100	M 569183.2500	1048686.9000
%RSD		0.843	1.573	0.813	M 1.189	1.675
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	10:23:24	36698.1280	1153132.6000	1741804.0000	1210999.6000	0.0000
2	10:23:43	37810.5840	1187731.7000	1774847.3000	1256129.0000	0.0000
3	10:24:01	38116.9750	1200146.0000	1818880.8000	1282689.2000	2.5000
4	10:24:20	38410.8200	1218218.2000	1862921.2000	1312644.3000	0.0000
5	10:24:38	38064.2350	1226544.8000	1877372.6000	1323166.1000	0.0000
x		37820.1480	1197154.6000	1815165.2000	1277125.7000	0.5000
%RSD		1.752	2.415	3.161	3.551	223.607

S1500 07/08/2008 10:27:30

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	10:27:49	234999.9300	33966.5830	629986.9300	502.5152	1055003.8000
2	10:28:07	231685.7100	34456.0860	633458.3500	517.5161	1079226.2000
3	10:28:26	233807.0700	34682.0210	644183.0200	562.5190	1107813.1000
4	10:28:45	238410.6100	35432.6690	649393.8300	647.5252	1120273.0000
5	10:29:04	238349.7400	36311.4390	655474.5900	1010.0612	1134164.8000
x		235450.6100	34969.7600	642499.3400	648.0273	1099296.2000
%RSD		1.243	2.624	1.664	32.423	2.910
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	10:27:49	5.0000	1196452.0000	1792957.4000	1249056.0000	0.0000
2	10:28:07	5.0000	1231248.6000	1843159.4000	1294269.1000	0.0000
3	10:28:26	5.0000	1258459.5000	1901193.9000	1325445.6000	0.0000
4	10:28:45	17.5000	1279507.5000	1929289.5000	1354114.4000	0.0000
5	10:29:04	27.5000	1297325.4000	1952417.7000	1381817.7000	0.0000
x		12.0000	1252598.6000	1883803.6000	1320940.5000	0.0000
%RSD		85.137	3.185	3.459	3.916	0.000

S2000 07/08/2008 10:31:56

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	10:32:14	234745.4000	46381.2150	638230.1200	682.5280	1077806.4000
2	10:32:33	237495.0200	47399.4200	647913.7600	680.0278	1101460.4000
3	10:32:51	238898.4600	47917.3700	652493.7400	737.5326	1118465.1000
4	10:33:10	239936.8300	48156.2410	664039.4400	687.5284	1131433.2000
5	10:33:29	240673.4500	48525.8750	671269.4000	740.0329	1148389.7000
x		238349.8300	47676.0240	654789.2900	705.5299	1115511.0000
%RSD		0.983	1.744	1.997	4.321	2.440
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	10:32:14	12.5000	1213155.8000	1797859.5000	1246312.1000	0.0000
2	10:32:33	5.0000	1244820.6000	1857558.3000	1283770.9000	2.5000
3	10:32:51	2.5000	1263130.9000	1899205.1000	1325401.9000	0.0000
4	10:33:10	7.5000	1289124.3000	1931701.9000	1346427.9000	0.0000
5	10:33:29	15.0000	1309494.1000	1970453.3000	1373325.5000	0.0000
x		8.5000	1263945.2000	1891355.6000	1315047.7000	0.5000
%RSD		60.990	2.975	3.530	3.838	223.607

ICV2 07/08/2008 10:36:22

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	10:36:40	235916.9700	46285.6860	637467.4300	118869.2900	1066594.5000
2	10:36:59	235283.6000	47635.7620	642432.8500	120806.8600	1087999.7000
3	10:37:18	234309.2100	47653.3620	646173.6300	122212.1200	1102165.1000
4	10:37:36	238466.3400	49076.5860	658220.0900	123107.6600	1126112.1000
5	10:37:55	238579.5100	49051.4390	658293.0300	125038.5900	1126322.9000
x		236511.1300	47940.5670	648517.4100	122006.9100	1101838.9000
%RSD		0.814	2.432	1.451	1.910	2.324
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	10:36:40	3970.9459	1208067.5000	1797236.7000	1244022.3000	0.0000
2	10:36:59	3860.8942	1242040.5000	1851914.6000	1285986.7000	0.0000
3	10:37:18	3970.9459	1252952.3000	1900337.5000	1326324.1000	0.0000
4	10:37:36	4030.9747	1279261.1000	1929666.1000	1350396.0000	0.0000
5	10:37:55	4008.4638	1287754.8000	1964446.9000	1372063.2000	2.5000
x		3968.4449	1254015.2000	1888720.4000	1315758.4000	0.5000
%RSD		1.647	2.532	3.479	3.897	223.607

ICB2 07/08/2008 10:40:48

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	10:41:07	236790.3900	565.0192	656857.3600	145.0013	1085540.4000
2	10:41:26	238400.3300	535.0172	657906.7400	175.0018	1113163.1000
3	10:41:45	241850.1200	515.0159	671580.5300	157.5015	1134966.2000
4	10:42:03	245361.3900	555.0185	677412.9200	185.0021	1156805.7000
5	10:42:22	246890.5800	557.5187	683913.0000	132.5011	1164196.7000
x		241858.5600	545.5179	669534.1100	159.0015	1130934.4000
%RSD		1.793	3.729	1.781	13.462	2.854
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	10:41:07	5.0000	1229484.4000	1818607.1000	1260388.5000	0.0000
2	10:41:26	10.0000	1259101.5000	1880978.9000	1306951.2000	0.0000
3	10:41:45	2.5000	1286397.2000	1933510.8000	1336207.0000	2.5000
4	10:42:03	10.0000	1310145.6000	1965103.0000	1363946.0000	0.0000
5	10:42:22	10.0000	1316631.0000	1987662.6000	1387090.5000	0.0000
x		7.5000	1280351.9000	1917172.5000	1330916.6000	0.5000
%RSD		47.140	2.837	3.553	3.723	223.607

CRII2 07/08/2008 10:45:14

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	10:45:32	240765.2100	460.0127	660740.8300	1230.0908	1103196.7000
2	10:45:51	244822.5600	460.0127	669202.7000	1290.0999	1131829.5000
3	10:46:10	244431.3200	542.5177	676925.6100	1402.6180	1143777.8000
4	10:46:28	247705.0500	537.5173	685725.7700	1502.6355	1163006.4000
5	10:46:48	247091.4000	532.5170	692141.2400	1495.1341	1179157.5000
x		244963.1100	506.5155	676947.2300	1384.1156	1144193.6000
%RSD		1.117	8.410	1.855	8.795	2.552
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	10:45:32	62.5002	1241012.9000	1839426.0000	1269676.5000	0.0000
2	10:45:51	45.0001	1270517.7000	1895430.5000	1310299.7000	0.0000
3	10:46:10	47.5001	1300462.6000	1951116.7000	1357258.3000	0.0000
4	10:46:28	65.0003	1320893.1000	1974208.5000	1379222.0000	0.0000
5	10:46:48	50.0001	1340138.5000	2019731.5000	1408050.8000	0.0000
x		54.0002	1294605.0000	1935982.6000	1344901.5000	0.0000
%RSD		16.884	3.054	3.622	4.102	0.000

ICSA2 07/08/2008 10:49:38

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	10:49:57	213290.9200	TM 2267644.9000	571778.9900	6359.9260	934614.8500
2	10:50:16	215240.0900	TM 2353249.4000	588947.4800	6364.9298	962080.0400
3	10:50:34	217165.7600	TM 2420427.7000	595428.3500	6737.7227	984977.6400
4	10:50:53	218224.5600	TM 2436459.2000	602738.0600	6747.7308	1003623.0000
5	10:51:11	218522.2000	TM 2500634.6000	610541.5500	6690.1844	1021558.7000
x		216488.7100	TM 2395683.2000	593886.8900	6580.0988	981370.8400
%RSD		1.017	TM 3.703	2.485	3.038	3.486
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	10:49:57	1555.1451	1110773.6000	1651434.5000	1108644.8000	0.0000
2	10:50:16	1562.6465	1155928.0000	1723066.5000	1149432.4000	0.0000
3	10:50:34	1530.1405	1175314.6000	1763550.6000	1185512.8000	0.0000
4	10:50:53	1390.1159	1208711.6000	1809536.2000	1210615.6000	0.0000
5	10:51:11	1462.6283	1219401.5000	1851612.1000	1237431.9000	0.0000
x		1500.1353	1174025.9000	1759840.0000	1178327.5000	0.0000
%RSD		4.870	3.711	4.402	4.302	0.000

ICSAB2 07/08/2008 10:54:02

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	10:54:20	219686.3900	TM 2378177.6000	600580.3200	16463.7470	975778.9700
2	10:54:39	220298.0500	TM 2446770.4000	610593.9400	16639.0950	996490.8800
3	10:54:57	220286.0800	TM 2496353.8000	619211.2600	16581.4800	1017670.8000
4	10:55:16	222951.4000	TM 2529905.7000	626703.9700	16581.4800	1042059.4000
5	10:55:35	225159.6000	TM 2583856.8000	633183.6000	17380.6060	1049397.8000
x		221676.3000	TM 2487012.8000	618054.6200	16729.2820	1016279.6000
%RSD		1.047	TM 3.164	2.088	2.210	3.031
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	10:54:20	2185.2865	1159167.7000	1705509.3000	1124919.8000	0.0000
2	10:54:39	2312.8209	1186211.3000	1767556.2000	1164355.5000	0.0000
3	10:54:57	2520.3811	1217818.1000	1812636.7000	1194327.1000	0.0000
4	10:55:16	2440.3573	1233618.8000	1843668.2000	1221502.1000	2.5000
5	10:55:35	2297.8168	1256802.6000	1887442.8000	1244269.1000	0.0000
x		2351.3325	1210723.7000	1803362.7000	1189874.7000	0.5000
%RSD		5.562	3.187	3.885	3.953	223.607

CCV6 07/08/2008 10:58:26

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	10:58:45	237307.2800	24699.0480	669443.4300	156095.8900	1134920.6000
2	10:59:03	235108.7700	25147.8880	680888.5000	158414.0200	1156431.2000
3	10:59:22	237552.4600	26138.4290	689431.0600	159879.1100	1172888.3000
4	10:59:42	240113.4700	26201.1250	694694.9200	161826.1500	1190805.0000
5	11:00:00	239968.5500	27033.7790	697188.3000	161443.8400	1197733.0000
x		238010.1100	25844.0540	686329.2400	159531.8000	1170555.6000
%RSD		0.876	3.581	1.649	1.473	2.188
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	10:58:45	10378.9590	1289475.5000	1923247.4000	1322223.9000	0.0000
2	10:59:03	10751.9320	1316185.6000	1990359.5000	1376808.7000	2.5000
3	10:59:22	10877.0940	1346254.2000	2035599.5000	1413781.7000	0.0000
4	10:59:42	10689.3510	1365226.2000	2065862.7000	1439215.3000	0.0000
5	11:00:00	10962.2050	1386470.1000	2108887.1000	1464253.1000	2.5000
x		10731.9080	1340722.3000	2024791.3000	1403256.5000	1.0000
%RSD		2.088	2.877	3.525	3.966	136.931

CCB6 07/08/2008 11:02:52

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	11:03:11	238752.7000	712.5305	687099.8200	175.0018	1151798.0000
2	11:03:30	240803.8000	625.0234	697732.3800	150.0014	1194671.7000
3	11:03:49	242252.3900	597.5214	704763.7100	147.5013	1201444.7000
4	11:04:07	244475.9300	705.0298	715812.2200	137.5011	1217869.9000
5	11:04:26	246603.0800	762.5349	726957.8400	112.5008	1235816.5000
x		242577.5800	680.5280	706473.1900	144.5013	1200320.1000
%RSD		1.265	9.945	2.195	15.638	2.620
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	11:03:11	7.5000	1302182.8000	1953216.4000	1334003.6000	0.0000
2	11:03:30	5.0000	1342342.0000	2009963.0000	1394111.5000	0.0000
3	11:03:49	5.0000	1367939.3000	2054891.3000	1432260.9000	0.0000
4	11:04:07	7.5000	1385821.8000	2096448.9000	1458450.2000	0.0000
5	11:04:26	12.5000	1413764.0000	2139642.7000	1484668.0000	0.0000
x		7.5000	1362410.0000	2050832.5000	1420698.8000	0.0000
%RSD		40.825	3.124	3.548	4.145	0.000

MH2599 07/08/2008 11:07:18

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	11:07:36	243950.0200	TM 1871164.1000	677337.1100	204555.1300	1127214.8000
2	11:07:55	243234.5600	TM 1916193.6000	683862.8800	207447.8300	1140826.4000
3	11:08:13	244210.8300	TM 1926418.0000	688849.5500	209716.0600	1160303.1000
4	11:08:32	249183.1500	TM 1947313.5000	699184.3300	211723.3700	1175552.4000
5	11:08:50	250403.9400	TM 1972787.7000	698599.4500	212690.0200	1178082.7000
x		246196.5000	TM 1926775.4000	689566.6600	209226.4800	1156395.9000
%RSD		1.353	TM 1.967	1.369	1.575	1.908
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	11:07:36	105.0007	1260058.8000	1933900.0000	1260800.7000	0.0000
2	11:07:55	110.0007	1284158.0000	1981363.5000	1303214.4000	0.0000
3	11:08:13	97.5006	1304347.9000	2026531.5000	1344689.1000	0.0000
4	11:08:32	75.0003	1326567.4000	2076233.5000	1361915.6000	0.0000
5	11:08:50	110.0007	1338411.1000	2104357.6000	1386888.1000	0.0000
x		99.5006	1302708.6000	2024477.2000	1331501.6000	0.0000
%RSD		14.694	2.430	3.416	3.749	0.000

MH2599L 07/08/2008 11:11:42

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	11:12:01	240973.6100	TM 2995103.4000	657058.5800	59917.1320	1085015.7000
2	11:12:20	245719.2100	TM 3053198.8000	659476.3200	60030.4430	1102776.1000
3	11:12:38	247390.9300	TM 3092582.6000	669585.4300	60654.9410	1122716.4000
4	11:12:57	247143.7500	TM 3157812.8000	678034.2800	61931.7810	1135887.5000
5	11:13:15	247721.3600	TM 3167106.5000	680892.5700	62793.1910	1133591.7000
x		245789.7700	TM 3093160.8000	669009.4400	61065.4980	1115997.5000
%RSD		1.139	TM 2.335	1.597	2.054	1.945
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	11:12:01	7.5000	1225158.9000	1880353.5000	1250686.8000	0.0000
2	11:12:20	25.0000	1249066.1000	1940385.2000	1292591.1000	0.0000
3	11:12:38	17.5000	1266105.7000	1991543.8000	1323390.4000	2.5000
4	11:12:57	17.5000	1287966.6000	2024823.9000	1357435.2000	0.0000
5	11:13:15	5.0000	1298193.8000	2049624.8000	1370703.0000	40.0001
x		14.5000	1265298.2000	1977346.3000	1318961.3000	8.5000
%RSD		56.398	2.328	3.435	3.701	207.556

MH25A0 07/08/2008 11:16:08

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	11:16:27	239893.0900	TM 4514605.3000	644891.0100	TM 2653165.0000	1063207.4000
2	11:16:45	237222.4200	TM 4581746.3000	653025.5700	TM 2685300.0000	1078874.8000
3	11:17:04	246826.2100	TM 4665427.6000	664484.1200	TM 2719420.2000	1101267.2000
4	11:17:22	243609.4400	TM 4763328.6000	676255.6000	TM 2758176.6000	1128292.0000
5	11:17:41	245827.3300	TM 4781060.0000	678390.3300	TM 2780053.5000	1131555.8000
x		242675.7000	TM 4661233.6000	663409.3300	TM 2719223.0000	1100639.4000
%RSD		1.668	TM 2.461	2.186	TM 1.905	2.724
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	11:16:27	1430.1227	1190101.8000	1859099.5000	1198640.6000	0.0000
2	11:16:45	1365.1118	1215567.2000	1914573.9000	1243156.2000	0.0000
3	11:17:04	1535.1414	1239734.5000	1958516.2000	1269741.7000	0.0000
4	11:17:22	1562.6465	1261207.1000	2003463.7000	1303856.7000	0.0000
5	11:17:41	1522.6391	1275467.8000	2029305.7000	1320435.9000	0.0000
x		1483.1323	1236415.7000	1952991.8000	1267166.2000	0.0000
%RSD		5.573	2.781	3.500	3.838	0.000

ZZZZZZ 07/08/2008 11:20:34

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	11:20:52	248679.2700	760.0347	672662.8100	642.5248	1124585.0000
2	11:21:11	251822.4000	800.0384	689207.4000	555.0185	1151535.1000
3	11:21:29	254379.1600	1077.5697	694576.9100	692.5288	1173111.7000
4	11:21:48	253497.0500	1302.6018	701311.1300	730.0320	1183492.3000
5	11:22:07	252517.9800	1387.6155	703342.0500	795.0379	1202640.1000
x		252179.1700	1065.5720	692220.0600	683.0284	1167072.9000
%RSD		0.866	26.705	1.774	13.272	2.577
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	11:20:52	5.0000	1282644.3000	1914020.8000	1342962.3000	0.0000
2	11:21:11	5.0000	1314550.1000	1966287.2000	1376005.9000	2.5000
3	11:21:29	5.0000	1333286.2000	2024902.6000	1413038.8000	0.0000
4	11:21:48	5.0000	1353619.0000	2057759.2000	1448767.8000	0.0000
5	11:22:07	2.5000	1367277.8000	2086346.8000	1470389.8000	0.0000
x		4.5000	1330275.5000	2009863.3000	1410232.9000	0.5000
%RSD		24.845	2.504	3.470	3.686	223.607

ZZZZZZ 07/08/2008 11:25:00

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	11:25:18	245082.5300	537.5173	664004.2900	1487.6328	1106934.6000
2	11:25:37	248928.2000	575.0198	676564.2100	1437.6240	1134809.4000
3	11:25:56	247170.3600	542.5177	681655.0300	1500.1350	1149780.9000
4	11:26:15	250621.1600	612.5225	688914.6100	1532.6409	1169520.6000
5	11:26:34	253233.3800	582.5204	695370.4200	1505.1359	1181542.5000
x		249007.1300	570.0195	681301.7100	1492.6337	1148517.6000
%RSD		1.258	5.408	1.764	2.336	2.557
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	11:25:18	47.5001	1251894.6000	1876431.8000	1299647.7000	0.0000
2	11:25:37	37.5001	1287067.3000	1928981.4000	1351174.6000	0.0000
3	11:25:56	45.0001	1311312.0000	1979889.5000	1385914.2000	0.0000
4	11:26:15	55.0002	1332583.5000	2017858.7000	1410848.9000	0.0000
5	11:26:34	62.5002	1350860.5000	2052144.2000	1439923.4000	0.0000
x		49.5002	1306743.6000	1971061.1000	1377501.8000	0.0000
%RSD		19.364	2.971	3.548	3.949	0.000

ZZZZZZ 07/08/2008 11:29:27

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	11:29:46	241108.2500	24418.2230	650635.2800	150692.7900	1089245.3000
2	11:30:05	241392.1300	23921.7860	655689.2800	151296.0700	1102111.1000
3	11:30:24	243310.9000	24505.9800	660227.4400	151178.9800	1113416.4000
4	11:30:42	242393.9200	24641.3780	665589.8500	153735.1100	1130808.9000
5	11:31:01	240549.9600	25270.7590	663697.4900	154165.4500	1132422.6000
x		241751.0300	24551.6250	659167.8700	152213.6800	1113600.8000
%RSD		0.455	1.976	0.922	1.057	1.665
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	11:29:46	9695.6370	1236924.2000	1857181.6000	1298867.7000	5.0000
2	11:30:05	10113.6330	1252961.0000	1891037.5000	1341494.1000	2.5000
3	11:30:24	10256.3080	1291893.0000	1948948.8000	1374220.4000	0.0000
4	11:30:42	9920.9019	1296622.5000	1969484.3000	1397680.5000	0.0000
5	11:31:01	10408.9970	1310526.6000	2003215.8000	1414702.6000	0.0000
x		10079.0950	1277785.5000	1933973.6000	1365393.1000	1.5000
%RSD		2.778	2.447	3.061	3.386	149.071

ZZZZZZ 07/08/2008 11:33:55

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	11:34:14	238842.7300	10649.3000	645990.2000	66829.4000	1081644.2000
2	11:34:33	238883.8800	11104.8940	653839.5800	67411.5610	1109692.8000
3	11:34:52	243230.2700	11382.7690	664923.4200	69906.9950	1123781.7000
4	11:35:11	243394.9700	11470.3890	666622.7100	69213.7440	1129258.2000
5	11:35:30	242741.3200	11578.0370	668218.2100	69967.4990	1144811.4000
x		241418.6300	11237.0780	659918.8200	68665.8400	1117837.7000
%RSD		0.971	3.314	1.457	2.121	2.131
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	11:34:14	4426.1751	1234126.3000	1831834.4000	1294141.3000	0.0000
2	11:34:33	4411.1672	1257592.0000	1896060.0000	1338228.7000	0.0000
3	11:34:52	4558.7466	1286655.3000	1951709.4000	1372407.3000	0.0000
4	11:35:11	4446.1858	1295501.6000	1976069.4000	1398269.4000	0.0000
5	11:35:30	4458.6925	1312376.7000	1998818.7000	1414012.6000	0.0000
x		4460.1934	1277250.4000	1930898.4000	1363411.9000	0.0000
%RSD		1.301	2.445	3.485	3.534	0.000

ZZZZZZ 07/08/2008 11:45:29

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	11:45:48	251532.1700	1277.5979	698074.3100	685.0282	1167004.2000
2	11:46:06	252061.1300	1125.0759	696143.6500	680.0278	1192989.3000
3	11:46:25	256074.0700	1285.0991	707280.3500	745.0333	1189932.5000
4	11:46:44	253594.9600	1312.6034	705661.3600	695.0290	1210946.4000
5	11:47:02	253503.9200	1352.6098	708008.4600	687.5284	1210181.3000
x		253353.2500	1270.5972	703033.6200	698.5293	1194210.7000
%RSD		0.697	6.808	0.785	3.801	1.507
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	11:45:48	5.0000	1327765.0000	2029639.2000	1414840.9000	0.0000
2	11:46:06	7.5000	1354551.3000	2057282.7000	1442704.8000	0.0000
3	11:46:25	10.0000	1368390.1000	2081502.3000	1459879.9000	0.0000
4	11:46:44	10.0000	1382575.6000	2116768.2000	1485373.8000	0.0000
5	11:47:02	10.0000	1383047.6000	2106374.7000	1483680.6000	0.0000
x		8.5000	1363265.9000	2078313.4000	1457296.0000	0.0000
%RSD		26.307	1.691	1.716	2.032	0.000

CRIF3 07/08/2008 11:49:53

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	11:50:11	245255.0000	950.0542	665846.7000	1767.6875	1108626.4000
2	11:50:31	247435.5600	847.5431	674217.4800	1570.1479	1125211.8000
3	11:50:49	245020.7600	900.0486	684314.0000	1552.6446	1144768.5000
4	11:51:08	250201.3200	952.5544	690718.9300	1710.1755	1165793.5000
5	11:51:27	249947.2000	1087.5710	696017.4900	1792.6928	1172226.7000
x		247571.9700	947.5543	682222.9200	1678.6697	1143325.4000
%RSD		0.999	9.424	1.794	6.632	2.345
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	11:50:11	32.5001	1250958.4000	1859976.8000	1291646.3000	0.0000
2	11:50:31	47.5001	1281017.8000	1918110.7000	1338980.0000	0.0000
3	11:50:49	57.5002	1304202.6000	1961192.2000	1370865.5000	0.0000
4	11:51:08	42.5001	1323310.3000	2006400.5000	1398698.2000	2.5000
5	11:51:27	55.0002	1344712.5000	2020589.5000	1422949.6000	0.0000
x		47.0001	1300840.3000	1953253.9000	1364627.9000	0.5000
%RSD		21.409	2.804	3.373	3.770	223.607

CCV7 07/08/2008 11:54:21

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	11:54:40	241069.6600	24064.6960	644181.6700	148699.9700	1069040.1000
2	11:54:59	240316.7100	24325.4520	653113.3200	150041.1900	1092883.7000
3	11:55:17	243755.2800	24821.9130	658764.4300	152619.8900	1106104.4000
4	11:55:36	242435.0900	24754.2120	661894.7300	155186.6400	1119202.5000
5	11:55:55	246120.8000	25386.1080	667927.4800	154297.8700	1128719.5000
x		242739.5100	24670.4760	657176.3300	152169.1100	1103190.0000
%RSD		0.949	2.055	1.373	1.812	2.121
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	11:54:40	9793.2511	1212778.9000	1803191.0000	1254459.6000	0.0000
2	11:54:59	10126.1490	1236485.7000	1867820.3000	1298973.7000	0.0000
3	11:55:17	10128.6520	1267744.0000	1905358.9000	1330585.0000	0.0000
4	11:55:36	10393.9780	1285933.0000	1939226.2000	1363178.0000	2.5000
5	11:55:55	10236.2830	1297281.8000	1965459.2000	1371808.4000	0.0000
x		10135.6620	1260044.7000	1896211.1000	1323800.9000	0.5000
%RSD		2.174	2.779	3.355	3.647	223.607

CCB7 07/08/2008 11:58:50

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	66Zn	89Y
1	11:59:08	240123.7600	482.5140	653828.7800	97.5006	1076655.9000
2	11:59:27	241699.1700	495.0147	659018.3800	125.0009	1111439.2000
3	11:59:46	245882.2500	425.0108	666571.3300	75.0003	1126841.5000
4	12:00:05	246862.2600	507.5155	675443.5400	67.5003	1137587.7000
5	12:00:24	246136.2500	527.5167	685430.3900	107.5007	1151469.4000
x		244140.7400	487.5143	668058.4900	94.5006	1120798.8000
%RSD		1.238	7.937	1.897	24.916	2.561

Run	Time	108Mo O	115In	159Tb	209Bi	220Bkg
1	11:59:08	2.5000	1223171.1000	1824873.7000	1269033.8000	0.0000
2	11:59:27	15.0000	1257866.7000	1879582.6000	1313330.9000	0.0000
3	11:59:46	2.5000	1278177.1000	1925151.1000	1343039.6000	0.0000
4	12:00:05	12.5000	1291219.6000	1966596.5000	1370155.5000	0.0000
5	12:00:24	2.5000	1313214.6000	1984481.2000	1385367.2000	0.0000
x		7.0000	1272729.8000	1916137.0000	1336185.4000	0.0000
%RSD		88.928	2.690	3.399	3.481	0.000

Run MS208087 Summary		44Ca	6Li	45Sc	89Y	115In	159Tb	209Bi
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
S0	07/09/2008 15:07:04	0	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
S2	07/09/2008 15:11:19	4.34	99.23%	98.56%	97.58%	97.43%	96.46%	96.69%
S5	07/09/2008 15:15:34	9.1295	99.50%	97.19%	94.67%	93.78%	91.62%	91.15%
S10	07/09/2008 15:19:48	21.725	99.53%	97.08%	94.44%	93.66%	91.47%	91.02%
S50	07/09/2008 15:24:02	53.474	99.18%	97.91%	96.28%	96.35%	95.02%	95.01%
S200	07/09/2008 15:28:16	203.34	98.67%	95.92%	94.73%	94.47%	93.41%	93.39%
S500	07/09/2008 15:32:32	511.05	95.67%	91.16%	89.11%	88.30%	86.33%	86.32%
S1000	07/09/2008 15:36:47	1011.7	95.68%	91.39%	90.43%	90.70%	90.07%	90.47%
S1500	07/09/2008 15:41:05	1495.1	98.35%	95.44%	94.42%	94.86%	94.03%	94.64%
S2000	07/09/2008 15:45:22	1994.6	100.20%	97.37%	95.54%	95.73%	94.21%	94.65%
ICV3	07/09/2008 15:49:38	2035.2	98.12%	93.57%	90.84%	89.93%	87.50%	87.08%
ICB3	07/09/2008 15:53:55	4.6115	99.42%	97.35%	95.16%	95.07%	92.94%	92.97%
CRII3	07/09/2008 15:58:12	3.4442	100.06%	98.60%	96.87%	96.41%	95.07%	95.11%
ICSA3	07/09/2008 16:02:27	110230	87.74%	83.07%	78.16%	81.45%	78.82%	75.67%
ICSAB3	07/09/2008 16:06:43	110090	89.34%	86.04%	81.26%	84.83%	82.50%	79.25%
CCV8	07/09/2008 16:10:58	1010.3	97.55%	97.80%	96.08%	96.35%	96.38%	96.83%
CCB8	07/09/2008 16:15:13	21.116	98.31%	97.48%	94.92%	94.01%	92.55%	92.40%
MH25A6-2x	07/09/2008 16:19:28	145400	97.47%	94.54%	90.03%	87.73%	89.53%	83.36%
ZZZZZZ	07/09/2008 16:23:45	64471	89.07%	89.75%	95.07%	85.93%	89.35%	83.23%
ZZZZZZ	07/09/2008 16:28:00	54309	89.06%	88.69%	91.23%	83.15%	84.22%	78.63%
ZZZZZZ	07/09/2008 16:32:17	8340.7	97.51%	97.35%	93.90%	92.63%	90.41%	89.61%
ZZZZZZ	07/09/2008 16:36:33	8797.8	99.43%	100.16%	97.47%	96.56%	95.14%	94.16%
ZZZZZZ	07/09/2008 16:40:52	8679.6	99.50%	98.72%	94.79%	93.51%	90.77%	89.55%
ZZZZZZ	07/09/2008 16:45:09	10.38	99.64%	102.27%	98.30%	96.03%	92.37%	90.32%
CCV9	07/09/2008 16:49:27	967.34	100.61%	100.90%	98.25%	96.89%	94.58%	93.53%
CCB9	07/09/2008 16:53:42	5.0924	101.91%	103.33%	100.61%	98.69%	95.99%	94.67%
CRIF4	07/09/2008 16:57:57	6.3626	100.68%	100.65%	96.29%	93.97%	89.88%	88.02%
CCV10	07/09/2008 17:02:13	967.17	100.87%	100.33%	97.28%	95.96%	93.50%	92.60%
CCB3	07/09/2008 17:06:29	9.6609	103.53%	104.04%	100.88%	99.73%	97.53%	96.42%

Performance Report

RUN# MS20808~~6~~7

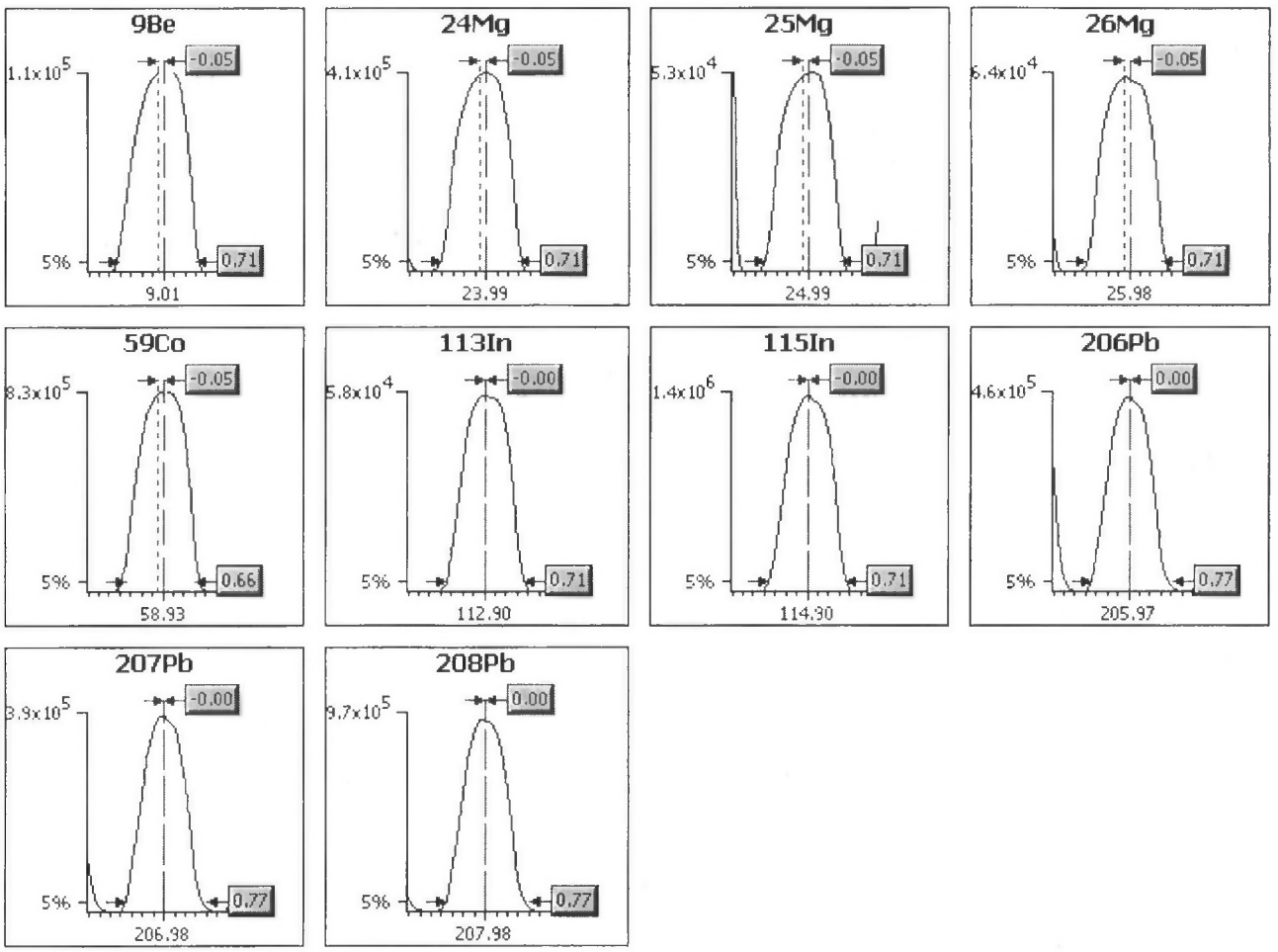
NE 07/10/08

Sample details
Acquired at : 07/09/2008 14:24:58
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 : 07/09/2008 14:24:58
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	1550
PC Detector	3125

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	14:25:18	0.385	107612.68	421540.30	55719.505	65025.017	633032.45	863774.46	42749.628	0.000
2	14:26:31	0.154	107779.43	424183.33	55937.884	64716.475	637405.34	873041.97	42996.019	0.231
3	14:27:45	0.231	107692.16	426395.10	56371.561	65380.087	637479.97	873752.50	43149.888	0.231
4	14:28:57	0.385	108438.67	426371.64	56294.117	65617.325	638927.05	874959.02	43381.857	0.154
5	14:30:10	0.154	108665.44	427150.02	56258.493	65768.510	645838.20	873738.02	42908.905	0.077
x		0.262	108037.67	425128.08	56116.312	65301.483	638536.60	871853.19	43037.259	0.138
σ		0.12	479.99	2291.55	276.71	430.90	4641.06	4568.51	241.01	0.10
%RSD		44.605	0.444	0.539	0.493	0.660	0.727	0.524	0.560	72.436

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	14:25:18	60913.354	1458232.3	1089145.3	1600445.2	30232.690	479589.76	395773.27	995647.47	0.615
2	14:26:31	61992.809	1479180.2	1103707.6	1623182.2	30168.355	487067.62	401312.84	1004043.2	0.538
3	14:27:45	62235.376	1493331.0	1114693.5	1636358.0	30229.602	492403.27	405914.81	1015935.7	0.462
4	14:28:57	62610.478	1492745.6	1114359.9	1634579.8	30641.358	489820.62	406261.08	1017272.7	0.615
5	14:30:10	61605.336	1478343.2	1103644.6	1624256.8	30482.573	485954.61	401153.91	1004708.2	0.308
x		61871.471	1480366.5	1105110.2	1623764.4	30350.916	486967.17	402083.18	1007521.5	0.508
σ		648.48	14289.35	10444.97	14317.28	202.31	4825.84	4283.93	9040.05	0.13
%RSD		1.048	0.965	0.945	0.882	0.667	0.991	1.065	0.897	25.353

Ratio results

Run	Time	56Ar O/59Co	138Ba++/138Ba	115In/101Bkg	156Ce O/140Ce
Ratio limits		-	-	>10000.0000	<0.0300
1	14:25:18	0.733	0.039	INF	0.019
2	14:26:31	0.730	0.039	6409780.8	0.019
3	14:27:45	0.730	0.039	6471100.8	0.018
4	14:28:57	0.730	0.039	9702846.3	0.019
5	14:30:10	0.739	0.039	19218461	0.019
x		0.7324	0.0389	10450547	0.0187
σ		0.00	0.00	7017305.61	0.00
%RSD		0.5457	0.5026	67.1477	0.8737

Result : The performance report passed.

Experiment Details

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Elemental\PlasmaLab\data\Run Data\MS208083.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	07/09/2008 15:05:33
Instrument Detector	Simultaneous
Database Version	3.51
Acquisition Mode	Unknown

RUN# MS208087
ICPM02
07/09/08
ILM05.4 - HW3

NB
07/11/04

Numericai 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
55Mn	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

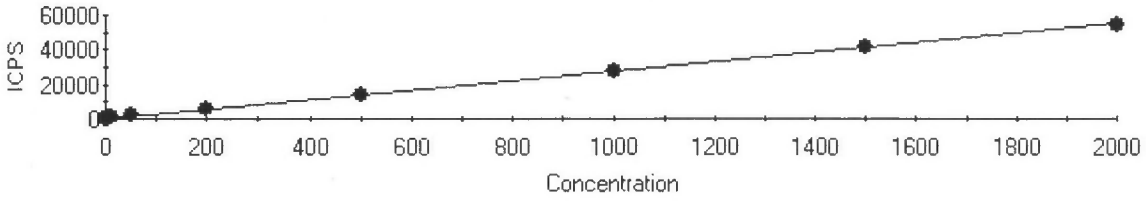
Symbol	Interference Correction	RSF	Calibration Method	Line Fit	Weighting	Forcing	Use for Semi-Quant	Max Error	Minimum Correlation
6Li	Yes	1.00	None				No		
7Li	Yes	1.00	None				No		
13C	Yes	0.05	None				No		
44Ca	Yes	0.99	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
45Sc	Yes	1.00	None				No		
52Cr	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
55Mn	Yes	0.95	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	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	MH25A6-2x	Unknown	1.000	1	2	6	144
19	MA2H15-2x	Unknown	1.000	1	2	7	144
20	MA2GY6-2x	Unknown	1.000	1	2	8	144
21	MA2H00-2x	Unknown	1.000	1	2	9	144
22	MA2H01-2x	Unknown	1.000	1	2	10	144
23	MA2H03-2x	Unknown	1.000	1	2	11	144
24	ZZZZZZ	Unknown	1.000	1	2	12	144
25	CCV2	Unknown	1.000	1	3	1	144
26	CCB2	Unknown	1.000	1	3	2	144
27	CRIF	Unknown	1.000	1	3	3	144
28	CCV3	Unknown	1.000	1	3	4	144
29	CCB3	Unknown	1.000	1	3	5	144

Fully Quant Calibration

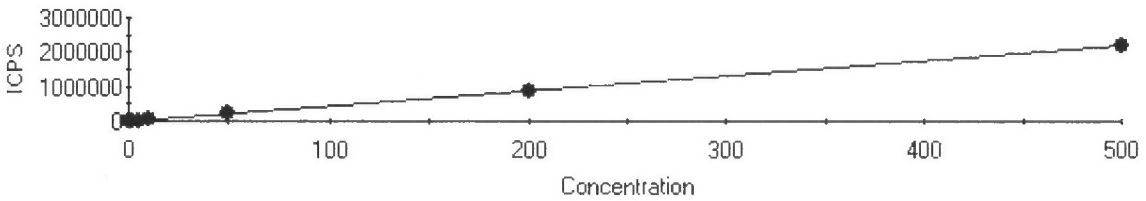
44Ca FQ Block 1



Intercept CPS=370.386154 Intercept Conc=13.574499
Sensitivity=27.285438 Correlation Coeff=0.999971

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	-0.000	0.000	370.39	0.00
S2	2.000	4.340	2.340	488.80	117.00
S5	5.000	9.129	4.129	619.49	82.59
S10	10.000	21.725	11.725	963.17	117.25
S50	50.000	53.474	3.474	1829.46	6.95
S200	200.000	203.341	3.341	5918.65	1.67
S500	500.000	511.052	11.052	14314.67	2.21
S1000	1000.000	1011.659	11.659	27973.94	1.17
S1500	1500.000	1495.117	4.883	41165.30	0.33
S2000	2000.000	1994.578	5.422	54793.31	0.27

55Mn FQ Block 1



Intercept CPS=214.492489 Intercept Conc=0.048953
Sensitivity=4381.601739 Correlation Coeff=0.999951

Label	Defined	Measured	Error	Mean CPS	% Error
S0	0.000	0.000	0.000	214.49	0.00
S2	2.000	1.822	0.178	8199.78	8.88
S5	5.000	4.725	0.275	20917.80	5.50
S10	10.000	9.567	0.433	42131.99	4.33
S50	50.000	47.163	2.837	206864.82	5.67
S200	200.000	196.076	3.924	859340.35	1.96
S500	500.000	501.866	1.866	2199189.26	0.37

Dilution Corrected Concentrations

S0 07/09/2008 15:07:04

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:07:21	101.12%	-0.1406	99.51%	0.0040	98.05%
2	15:07:38	100.09%	0.0549	99.44%	-0.0025	99.32%
3	15:07:55	99.07%	-0.0513	99.59%	-0.0003	99.78%
4	15:08:12	99.82%	1.3619	100.57%	-0.0121	101.17%
5	15:08:29	99.90%	-1.2249	100.90%	0.0109	101.68%
x		100.00%	-0.0000	100.00%	0.0000	100.00%
%RSD		0.74	0.0000	0.68	0.0000	1.46
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:07:21	-0.0282	97.94%	97.12%	96.53%	-0.0066
2	15:07:38	-0.0928	99.12%	98.89%	98.64%	-0.0066
3	15:07:55	0.0032	99.97%	99.96%	100.30%	-0.0066
4	15:08:12	0.0836	100.99%	101.78%	101.80%	-0.0066
5	15:08:29	0.0342	101.97%	102.25%	102.72%	0.0265
x		0.0000	100.00%	100.00%	100.00%	0.0000
%RSD		0.0000	1.57	2.11	2.48	0.0000

S2 07/09/2008 15:11:19

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:11:36	98.94%	2.2708	97.04%	1.8355	94.74%
2	15:11:53	98.25%	5.7440	97.17%	1.8306	96.06%
3	15:12:10	98.93%	7.6593	98.79%	1.8382	97.89%
4	15:12:26	99.43%	3.0006	99.46%	1.7908	98.99%
5	15:12:43	100.61%	3.0252	100.37%	1.8171	100.22%
x		99.23%	4.3400	98.56%	1.8225	97.58%
%RSD		0.89	52.5340	1.47	1.0686	2.26
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:11:36	-0.1420	94.08%	92.10%	91.84%	-0.0066
2	15:11:53	-0.0383	95.72%	94.44%	94.42%	-0.0066
3	15:12:10	-0.0399	97.63%	97.01%	97.38%	-0.0066
4	15:12:26	-0.0489	99.02%	98.78%	98.88%	-0.0066
5	15:12:43	0.0450	100.69%	99.96%	100.95%	-0.0066
x		-0.0448	97.43%	96.46%	96.69%	-0.0066
%RSD		147.9700	2.69	3.32	3.73	0.0000

S5 07/09/2008 15:15:34

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:15:51	98.90%	11.0550	95.88%	4.6675	92.86%
2	15:16:07	99.02%	8.8877	96.59%	4.7653	93.19%
3	15:16:24	99.29%	7.3570	97.10%	4.7745	95.03%
4	15:16:41	100.72%	8.7109	97.75%	4.7412	96.08%
5	15:16:58	99.60%	9.6366	98.62%	4.6768	96.19%
x		99.51%	9.1295	97.19%	4.7251	94.67%
%RSD		0.73	14.8380	1.09	1.0562	1.66
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:15:51	-0.1608	91.09%	88.56%	88.32%	-0.0066
2	15:16:07	-0.1548	92.93%	90.67%	90.11%	-0.0066
3	15:16:24	-0.0750	94.62%	92.01%	91.35%	-0.0066
4	15:16:41	-0.1293	94.76%	93.09%	92.53%	-0.0066
5	15:16:58	-0.1146	95.50%	93.79%	93.44%	-0.0066
x		-0.1269	93.78%	91.62%	91.15%	-0.0066
%RSD		27.2240	1.89	2.27	2.21	0.0000

S10 07/09/2008 15:19:48

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:20:05	98.86%	17.7170	94.98%	9.6823	91.63%
2	15:20:21	98.71%	23.0460	95.93%	9.5559	92.98%
3	15:20:38	99.66%	23.6430	97.33%	9.4513	95.07%
4	15:20:55	100.30%	19.1350	98.20%	9.5979	95.91%
5	15:21:11	100.12%	25.0850	98.95%	9.5462	96.61%
x		99.53%	21.7250	97.08%	9.5667	94.44%
%RSD		0.72	14.4620	1.67	0.8777	2.20
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:20:05	-0.0463	89.79%	86.82%	86.04%	-0.0066
2	15:20:21	-0.1909	92.31%	89.47%	89.23%	-0.0066
3	15:20:38	-0.0175	94.42%	91.87%	91.28%	-0.0066
4	15:20:55	-0.0987	95.10%	93.40%	93.52%	-0.0066
5	15:21:11	-0.0442	96.65%	95.82%	95.03%	-0.0066
x		-0.0796	93.66%	91.48%	91.02%	-0.0066
%RSD		86.5560	2.84	3.81	3.90	0.0000

S50 07/09/2008 15:24:02

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:24:19	98.32%	51.2130	96.25%	47.0160	93.83%
2	15:24:35	98.67%	57.1290	97.41%	47.4530	94.62%
3	15:24:52	98.66%	54.6450	97.89%	47.1200	96.95%
4	15:25:09	100.00%	51.1590	98.61%	46.8790	97.57%
5	15:25:25	100.24%	53.2260	99.41%	47.3480	98.42%
x		99.18%	53.4740	97.91%	47.1630	96.28%
%RSD		0.88	4.6992	1.22	0.4999	2.04
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:24:19	-0.1340	93.37%	90.99%	90.61%	-0.0066
2	15:24:35	-0.0375	94.69%	92.68%	93.51%	0.0297
3	15:24:52	-0.0921	96.17%	94.81%	95.26%	-0.0066
4	15:25:09	-0.1056	98.23%	97.74%	97.18%	-0.0066
5	15:25:25	-0.0911	99.30%	98.89%	98.52%	0.0279
x		-0.0921	96.35%	95.02%	95.01%	0.0076
%RSD		38.0880	2.54	3.50	3.27	257.0600

S200 07/09/2008 15:28:16

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:28:33	98.32%	211.0000	94.80%	196.2600	92.62%
2	15:28:50	98.69%	201.8300	95.57%	195.6700	93.87%
3	15:29:07	98.37%	197.2200	95.94%	195.6500	95.18%
4	15:29:24	98.48%	201.3400	96.63%	195.5200	95.83%
5	15:29:40	99.49%	205.3200	96.65%	197.2800	96.17%
x		98.67%	203.3400	95.92%	196.0800	94.73%
%RSD		0.49	2.5354	0.81	0.3727	1.56
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:28:33	-0.2612	91.77%	90.47%	90.06%	-0.0066
2	15:28:50	0.1220	93.95%	92.36%	92.05%	-0.0066
3	15:29:07	-0.1244	94.85%	93.61%	94.25%	0.0655
4	15:29:24	-0.2437	95.72%	95.36%	95.13%	-0.0066
5	15:29:40	-0.2355	96.05%	95.23%	95.48%	-0.0066
x		-0.1486	94.47%	93.41%	93.39%	0.0078
%RSD		108.0400	1.82	2.20	2.45	413.1200

S500 07/09/2008 15:32:32

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:32:49	95.20%	507.7100	89.28%	┬504.6200	86.48%
2	15:33:05	95.18%	517.8400	89.60%	┬505.7300	87.64%
3	15:33:22	94.96%	509.5000	91.38%	┬499.9100	89.40%
4	15:33:39	95.83%	517.8700	92.68%	┬497.7800	90.32%
5	15:33:55	97.17%	502.3400	92.88%	┬501.2900	91.70%
x		95.67%	511.0500	91.16%	┬501.8700	89.11%
%RSD		0.94	1.3201	1.84	┬0.6566	2.33
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:32:49	-0.0459	84.83%	81.84%	81.61%	-0.0066
2	15:33:05	-0.2608	86.94%	84.54%	84.56%	0.0336
3	15:33:22	-0.0815	88.20%	86.93%	86.64%	-0.0066
4	15:33:39	-0.6283	90.07%	88.52%	88.67%	-0.0066
5	15:33:55	-0.0541	91.47%	89.82%	90.12%	0.0311
x		-0.2141	88.30%	86.33%	86.32%	0.0090
%RSD		115.6300	2.95	3.70	3.90	238.2100

S1000 07/09/2008 15:36:47

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:37:04	95.78%	993.2200	90.27%	┬987.2200	88.15%
2	15:37:22	95.03%	1011.5000	90.81%	┬988.8200	89.22%
3	15:37:38	96.40%	1022.8000	91.51%	┬988.4000	90.77%
4	15:37:56	95.36%	1020.0000	92.20%	┬992.7900	91.68%
5	15:38:12	95.84%	1010.7000	92.16%	┬993.8600	92.31%
x		95.68%	1011.7000	91.39%	┬990.2200	90.43%
%RSD		0.54	1.1428	0.92	┬0.2950	1.90
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:37:04	-0.5748	87.85%	86.23%	86.54%	0.0327
2	15:37:22	-0.6902	89.82%	88.33%	88.42%	-0.0066
3	15:37:38	-0.8981	90.96%	90.34%	90.74%	-0.0066
4	15:37:56	-0.1017	91.77%	91.81%	92.77%	0.0667
5	15:38:12	-0.6439	93.11%	93.64%	93.87%	0.1021
x		-0.5817	90.70%	90.07%	90.47%	0.0376
%RSD		50.5720	2.20	3.22	3.34	125.5900

S1500 07/09/2008 15:41:05

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:41:22	97.32%	1483.5000	93.54%	0.1987	91.57%
2	15:41:40	97.26%	1484.5000	94.78%	0.1976	93.30%
3	15:41:56	98.03%	1496.4000	95.45%	0.2316	94.31%
4	15:42:13	99.32%	1500.3000	96.19%	0.2679	96.16%
5	15:42:30	99.80%	1511.0000	97.24%	0.5057	96.75%
x		98.35%	1495.1000	95.44%	0.2803	94.42%
%RSD		1.18	0.7690	1.47	46.1150	2.24
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:41:22	-0.0939	91.55%	89.68%	89.98%	-0.0066
2	15:41:40	-0.0033	93.38%	92.25%	92.97%	-0.0066
3	15:41:56	-0.0106	94.91%	94.29%	95.36%	-0.0066
4	15:42:13	-0.0441	96.45%	96.11%	96.82%	-0.0066
5	15:42:30	-0.0787	97.98%	97.84%	98.08%	-0.0066
x		-0.0461	94.86%	94.03%	94.64%	-0.0066
%RSD		86.9910	2.66	3.40	3.41	0.0000

S2000 07/09/2008 15:45:22

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:45:39	99.55%	1986.4000	96.12%	0.1577	93.70%
2	15:45:55	99.80%	2005.3000	96.25%	0.1715	94.20%
3	15:46:12	100.53%	1987.9000	97.86%	0.1921	96.38%
4	15:46:29	100.81%	1990.0000	98.67%	0.2012	96.21%
5	15:46:45	100.30%	2003.3000	97.95%	0.2242	97.20%
x		100.20%	1994.6000	97.37%	0.1893	95.54%
%RSD		0.52	0.4514	1.16	13.6810	1.58
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:45:39	-0.1530	93.57%	91.33%	91.33%	-0.0066
2	15:45:55	-0.1014	94.51%	92.89%	93.18%	-0.0066
3	15:46:12	-0.0708	96.22%	94.60%	95.27%	-0.0066
4	15:46:29	-0.0666	97.24%	95.48%	95.98%	-0.0066
5	15:46:45	-0.0903	97.13%	96.74%	97.47%	-0.0066
x		-0.0964	95.73%	94.21%	94.65%	-0.0066
%RSD		35.9820	1.70	2.26	2.55	0.0000

ICV 3 07/09/2008 15:49:38

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:49:56	98.11%	2020.1000	92.02%	98.6640	88.43%
2	15:50:12	98.37%	2023.1000	92.43%	98.2670	89.58%
3	15:50:29	98.29%	2060.3000	93.87%	97.1780	91.32%
4	15:50:46	97.20%	2042.9000	94.00%	98.3310	91.64%
5	15:51:03	98.65%	2029.8000	95.52%	97.3660	93.25%
x		98.12%	2035.2000	93.57%	97.9610	90.84%
%RSD		0.56	0.8135	1.49	0.6638	2.06
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:49:56	-0.1353	86.73%	84.01%	83.40%	-0.0066
2	15:50:12	-0.3983	88.51%	85.70%	84.84%	-0.0066
3	15:50:29	-0.1628	89.64%	87.41%	87.04%	-0.0066
4	15:50:46	-0.0901	91.28%	89.40%	89.05%	0.0316
5	15:51:03	-0.0496	93.50%	90.96%	91.05%	-0.0066
x		-0.1672	89.93%	87.50%	87.08%	0.0010
%RSD		81.4560	2.88	3.18	3.55	1679.6000

ICB 3 07/09/2008 15:53:55

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:54:12	98.15%	5.1778	95.17%	-0.0031	92.31%
2	15:54:29	99.60%	4.7039	96.64%	-0.0079	93.85%
3	15:54:46	98.26%	3.9623	97.12%	0.0011	95.76%
4	15:55:03	100.30%	2.5764	98.64%	0.0086	96.28%
5	15:55:20	100.77%	6.6370	99.20%	0.0284	97.62%
x		99.42%	4.6115	97.35%	0.0054	95.16%
%RSD		1.19	32.5180	1.65	261.4000	2.20
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:54:12	-0.1357	91.33%	89.19%	88.66%	-0.0066
2	15:54:29	-0.1176	93.65%	90.79%	90.87%	-0.0066
3	15:54:46	-0.0857	95.17%	93.13%	93.43%	0.0298
4	15:55:03	-0.0412	97.21%	94.97%	95.14%	-0.0066
5	15:55:20	-0.0331	98.00%	96.61%	96.77%	-0.0066
x		-0.0827	95.07%	92.94%	92.97%	0.0007
%RSD		54.8530	2.84	3.24	3.50	2473.0000

CRII 3 07/09/2008 15:58:12

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:58:29	99.93%	0.0721	96.58%	0.9107	93.79%
2	15:58:46	100.19%	4.9418	98.42%	0.9204	95.96%
3	15:59:03	99.46%	4.3468	98.64%	0.9518	97.46%
4	15:59:20	100.77%	4.4887	99.38%	0.9259	97.74%
5	15:59:37	99.96%	3.3715	100.01%	0.9357	99.40%
x		100.06%	3.4442	98.60%	0.9289	96.87%
%RSD		0.48	57.2000	1.31	1.6903	2.18
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	15:58:29	-0.0949	92.77%	91.27%	91.00%	-0.0066
2	15:58:46	-0.1124	95.43%	93.03%	93.08%	-0.0066
3	15:59:03	-0.1388	96.87%	95.46%	95.19%	-0.0066
4	15:59:20	-0.0618	98.06%	97.12%	97.18%	-0.0066
5	15:59:37	0.0101	98.92%	98.49%	99.08%	-0.0066
x		-0.0795	96.41%	95.07%	95.11%	-0.0066
%RSD		72.1550	2.51	3.10	3.37	0.0000

ICSA 3 07/09/2008 16:02:27

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:02:44	87.89%	TM 110030.0000	81.38%	7.6332	76.15%
2	16:03:02	86.97%	TM 109350.0000	82.41%	7.6857	77.00%
3	16:03:19	88.46%	TM 110970.0000	82.81%	7.8210	78.38%
4	16:03:35	87.25%	TM 109980.0000	83.91%	7.7033	79.24%
5	16:03:52	88.13%	TM 110820.0000	84.83%	7.7682	80.02%
x		87.74%	TM 110230.0000	83.07%	7.7223	78.16%
%RSD		0.70	TM 0.6053	1.61	0.9492	2.03
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:02:44	1.3874	78.83%	75.62%	72.29%	-0.0066
2	16:03:02	1.4313	80.11%	77.65%	74.58%	-0.0066
3	16:03:19	1.2887	81.75%	78.98%	75.80%	-0.0066
4	16:03:35	1.5029	82.55%	80.46%	77.41%	0.0812
5	16:03:52	1.4635	84.02%	81.39%	78.26%	-0.0066
x		1.4148	81.45%	78.82%	75.67%	0.0110
%RSD		5.8134	2.50	2.90	3.12	358.7900

ICSAB 3 07/09/2008 16:06:43

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:06:59	88.42%	TM 108890.0000	83.69%	27.8400	78.22%
2	16:07:16	88.34%	TM 109520.0000	85.43%	27.5670	80.15%
3	16:07:33	88.91%	TM 110290.0000	86.21%	28.0020	81.50%
4	16:07:50	89.93%	TM 111230.0000	86.84%	27.7180	82.88%
5	16:08:07	91.12%	TM 110550.0000	88.04%	27.6890	83.54%
x		89.34%	TM 110090.0000	86.04%	27.7630	81.26%
%RSD		1.32	TM 0.8271	1.89	0.5934	2.64
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:06:59	1.4273	81.42%	78.49%	74.94%	-0.0066
2	16:07:16	1.5089	83.59%	80.78%	77.32%	-0.0066
3	16:07:33	1.2098	85.24%	82.98%	79.81%	-0.0066
4	16:07:50	1.4482	86.50%	84.45%	81.23%	-0.0066
5	16:08:07	1.3897	87.39%	85.81%	82.93%	-0.0066
x		1.3968	84.83%	82.50%	79.25%	-0.0066
%RSD		8.0962	2.80	3.54	3.99	0.0000

CCV 8 07/09/2008 16:10:58

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:11:14	97.47%	990.4400	96.87%	245.8000	93.87%
2	16:11:31	97.73%	990.5600	96.82%	247.1300	95.13%
3	16:11:48	97.87%	1017.0000	97.86%	244.0700	96.56%
4	16:12:05	97.10%	1012.1000	97.92%	246.0600	96.72%
5	16:12:22	97.57%	1041.2000	99.52%	244.7000	98.11%
x		97.55%	1010.3000	97.80%	245.5500	96.08%
%RSD		0.30	2.0926	1.12	0.4873	1.69
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:11:14	-0.1469	94.15%	92.84%	92.73%	0.0301
2	16:11:31	0.1299	95.35%	95.03%	94.89%	-0.0066
3	16:11:48	-0.0357	96.53%	96.61%	97.02%	-0.0066
4	16:12:05	0.2507	97.40%	97.86%	98.75%	-0.0066
5	16:12:22	-0.1856	98.31%	99.58%	100.77%	0.0271
x		0.0025	96.35%	96.38%	96.83%	0.0075
%RSD		7483.0000	1.71	2.69	3.26	258.7900

CCB 8 07/09/2008 16:15:13

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:15:29	97.94%	10.1870	96.27%	0.0185	93.19%
2	16:15:46	97.70%	11.6850	97.15%	0.0185	93.89%
3	16:16:03	98.84%	14.0540	97.09%	0.0302	95.08%
4	16:16:20	98.81%	21.4300	98.36%	0.0502	96.12%
5	16:16:37	98.24%	48.2240	98.56%	0.1297	96.34%
x		98.31%	21.1160	97.48%	0.0494	94.92%
%RSD		0.52	74.6240	0.98	94.5020	1.44
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:15:29	-0.0962	92.14%	89.93%	89.70%	-0.0066
2	16:15:46	-0.1239	93.20%	91.69%	91.50%	-0.0066
3	16:16:03	-0.0372	94.04%	92.67%	92.71%	-0.0066
4	16:16:20	-0.0720	94.96%	93.93%	93.74%	-0.0066
5	16:16:37	-0.0534	95.72%	94.53%	94.36%	-0.0066
x		-0.0765	94.01%	92.55%	92.40%	-0.0066
%RSD		44.9310	1.50	1.98	2.01	0.0000

MH25A6-2x 07/09/2008 16:19:28

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:19:45	96.40%	TM 144560.0000	92.74%	248.7500	87.43%
2	16:20:02	96.63%	TM 144910.0000	93.53%	249.6300	88.65%
3	16:20:19	97.52%	TM 144940.0000	94.37%	249.6300	90.02%
4	16:20:36	97.70%	TM 147350.0000	95.84%	248.9100	91.58%
5	16:20:53	99.11%	TM 145240.0000	96.24%	247.6000	92.48%
x		97.47%	TM 145400.0000	94.54%	248.9100	90.03%
%RSD		1.10	TM 0.7682	1.57	0.3345	2.30
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:19:45	-0.1198	84.85%	85.04%	78.80%	-0.0066
2	16:20:02	-0.2252	86.08%	87.91%	81.64%	-0.0066
3	16:20:19	-0.0381	88.01%	89.46%	83.68%	-0.0066
4	16:20:36	-0.0058	89.27%	91.60%	85.60%	-0.0066
5	16:20:53	-0.0499	90.43%	93.65%	87.11%	-0.0066
x		-0.0878	87.73%	89.53%	83.37%	-0.0066
%RSD		99.5670	2.60	3.71	3.93	0.0000

222222 JS 07/10/08
~~MA2H15-2x~~ 07/09/2008 16:23:45

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:24:01	88.75%	M 62837.0000	87.81%	T 3502.9000	92.16%
2	16:24:18	88.80%	M 63156.0000	88.73%	T 3469.7000	93.14%
3	16:24:35	89.68%	TM 65334.0000	90.13%	T 3469.6000	95.17%
4	16:24:51	89.37%	TM 65164.0000	90.64%	T 3467.2000	96.87%
5	16:25:08	88.75%	TM 65863.0000	91.45%	T 3501.9000	97.99%
x		89.07%	TM 64471.0000	89.75%	T 3482.3000	95.07%
%RSD		0.48	TM 2.1329	1.64	T 0.5282	2.57
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:24:01	-0.0880	83.06%	85.26%	79.08%	-0.0066
2	16:24:18	-0.1041	84.58%	87.82%	81.59%	-0.0066
3	16:24:35	-0.1679	86.62%	89.83%	83.70%	-0.0066
4	16:24:51	-0.0223	87.18%	91.44%	84.86%	-0.0066
5	16:25:08	-0.0808	88.19%	92.43%	86.91%	-0.0066
x		-0.0926	85.93%	89.36%	83.23%	-0.0066
%RSD		56.3730	2.41	3.22	3.62	0.0000

222222 JS 07/10/08
~~MA2GY6-2x~~ 07/09/2008 16:28:00

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:28:17	88.92%	M 54244.0000	87.44%	T 2845.7000	89.79%
2	16:28:33	88.67%	M 54401.0000	88.05%	T 2850.4000	90.12%
3	16:28:50	89.35%	M 54308.0000	88.79%	T 2857.1000	91.12%
4	16:29:07	89.49%	M 54483.0000	89.07%	T 2845.3000	92.46%
5	16:29:24	88.89%	M 54108.0000	90.13%	T 2845.0000	92.65%
x		89.06%	M 54309.0000	88.69%	T 2848.7000	91.23%
%RSD		0.38	M 0.2658	1.15	T 0.1821	1.43
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:28:17	-0.1244	81.42%	81.92%	76.28%	-0.0066
2	16:28:33	-0.0287	82.05%	83.24%	77.61%	-0.0066
3	16:28:50	-0.1339	83.31%	84.42%	78.90%	-0.0066
4	16:29:07	0.0142	83.93%	85.25%	79.66%	-0.0066
5	16:29:24	-0.1032	85.03%	86.26%	80.70%	0.0777
x		-0.0752	83.15%	84.22%	78.63%	0.0102
%RSD		86.2120	1.74	2.01	2.20	368.2600

222222 JS 07/10/08
~~MA2H00-2x~~ 07/09/2008 16:32:17

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:32:34	96.84%	8318.3000	94.50%	T 2723.2000	90.30%
2	16:32:50	96.90%	8360.2000	96.37%	T 2704.7000	92.26%
3	16:33:07	96.80%	8370.0000	97.19%	T 2711.0000	94.44%
4	16:33:24	98.20%	8308.9000	98.78%	T 2702.1000	95.74%
5	16:33:41	98.79%	8346.3000	99.89%	T 2706.8000	96.79%
x		97.51%	8340.7000	97.35%	T 2709.5000	93.90%
%RSD		0.95	0.3163	2.16	T 0.3052	2.80
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:32:34	-0.1822	88.39%	85.70%	85.23%	-0.0066
2	16:32:50	-0.0874	91.21%	88.46%	87.46%	-0.0066
3	16:33:07	-0.0523	92.97%	90.85%	89.88%	-0.0066
4	16:33:24	-0.0494	94.54%	92.70%	91.91%	0.0304
5	16:33:41	-0.0352	96.03%	94.34%	93.61%	-0.0066
x		-0.0813	92.63%	90.41%	89.62%	0.0008
%RSD		73.2920	3.21	3.79	3.75	2123.9000

222222 ~~MA2H01-2x~~ 07/10/08

07/09/2008 16:36:33

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:36:50	98.08%	8770.7000	98.47%	T 3137.2000	94.73%
2	16:37:07	100.24%	8738.9000	99.18%	T 3116.9000	95.89%
3	16:37:24	99.04%	8817.0000	100.21%	T 3130.9000	97.28%
4	16:37:41	99.60%	8797.5000	100.86%	T 3119.3000	99.09%
5	16:37:58	100.18%	8865.0000	102.09%	T 3109.2000	100.34%
x		99.43%	8797.8000	100.16%	T 3122.7000	97.47%
%RSD		0.90	0.5421	1.42	T 0.3608	2.35
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:36:50	-0.1616	93.43%	91.09%	89.65%	-0.0066
2	16:37:07	-0.1013	94.85%	93.62%	92.72%	-0.0066
3	16:37:24	-0.0944	96.85%	95.42%	94.58%	-0.0066
4	16:37:41	-0.0434	98.13%	96.89%	96.14%	-0.0066
5	16:37:58	-0.0104	99.53%	98.71%	97.69%	-0.0066
x		-0.0822	96.56%	95.15%	94.16%	-0.0066
%RSD		70.6040	2.54	3.09	3.32	0.0000

ZZZZZZ 07/10/08

~~MA2H03-2x~~ 07/09/2008 16:40:52

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:41:09	98.28%	8609.5000	97.80%	T 2870.1000	92.89%
2	16:41:25	100.20%	8697.1000	97.81%	T 2854.5000	93.67%
3	16:41:43	99.65%	8629.5000	98.83%	T 2854.0000	95.02%
4	16:41:59	99.23%	8771.1000	99.09%	T 2841.2000	95.52%
5	16:42:16	100.15%	8690.7000	100.08%	T 2856.9000	96.86%
x		99.50%	8679.6000	98.72%	T 2855.3000	94.79%
%RSD		0.79	0.7339	0.97	T 0.3603	1.65
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:41:09	-0.2137	91.52%	88.21%	86.97%	-0.0066
2	16:41:25	-0.1881	92.07%	89.78%	88.55%	-0.0066
3	16:41:43	-0.0197	94.10%	91.05%	90.06%	-0.0066
4	16:41:59	-0.1781	94.56%	91.72%	90.52%	-0.0066
5	16:42:16	-0.1494	95.32%	93.09%	91.67%	-0.0066
x		-0.1498	93.51%	90.77%	89.56%	-0.0066
%RSD		50.9250	1.75	2.05	2.04	0.0000

ZZZZZZ 07/09/2008 16:45:09

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:45:26	98.70%	10.8570	100.13%	0.0231	95.02%
2	16:45:43	98.89%	8.3812	100.99%	0.0143	97.07%
3	16:46:00	99.87%	12.9720	102.18%	0.0326	98.94%
4	16:46:17	100.45%	7.6144	103.36%	0.0814	99.32%
5	16:46:34	100.29%	12.0740	104.71%	0.2059	101.15%
x		99.64%	10.3800	102.27%	0.0715	98.30%
%RSD		0.80	22.3140	1.79	111.2200	2.38
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:45:26	-0.1540	92.40%	88.09%	85.58%	-0.0066
2	16:45:43	-0.1967	94.39%	90.32%	88.58%	-0.0066
3	16:46:00	-0.1580	96.18%	92.32%	90.50%	-0.0066
4	16:46:17	-0.1150	97.92%	94.77%	92.46%	-0.0066
5	16:46:34	-0.0606	99.27%	96.35%	94.49%	-0.0066
x		-0.1368	96.03%	92.37%	90.32%	-0.0066
%RSD		37.6550	2.85	3.60	3.82	0.0000

CCV29 07/09/2008 16:49:27 (KE 07/10/08)

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:49:44	100.05%	974.6200	99.43%	245.6300	95.67%
2	16:50:00	99.96%	953.7800	100.08%	246.0600	96.91%
3	16:50:17	99.93%	978.5200	100.73%	246.5700	98.57%
4	16:50:35	101.41%	971.2500	102.03%	245.5500	99.48%
5	16:50:52	101.69%	958.5300	102.21%	245.4400	100.61%
x		100.61%	967.3400	100.90%	245.8500	98.25%
%RSD		0.86	1.1023	1.20	0.1901	2.01

Run	Time	108Mo O	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:49:44	-0.5347	93.71%	90.73%	89.46%	0.0314
2	16:50:00	-0.4436	95.78%	92.59%	91.55%	0.0677
3	16:50:17	-0.1477	97.12%	95.13%	93.68%	0.0297
4	16:50:35	-0.1066	98.50%	96.42%	95.78%	-0.0066
5	16:50:52	-0.1453	99.35%	98.05%	97.18%	-0.0066
x		-0.2756	96.89%	94.58%	93.53%	0.0231
%RSD		71.9420	2.31	3.10	3.34	134.5700

CCB29 07/09/2008 16:53:42 (KE 07/10/08)

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:53:59	101.23%	6.9803	102.09%	-0.0010	97.80%
2	16:54:16	102.31%	5.0731	102.68%	-0.0031	99.62%
3	16:54:33	101.70%	5.1623	103.20%	-0.0106	101.23%
4	16:54:50	101.87%	3.3263	104.13%	-0.0021	101.52%
5	16:55:07	102.43%	4.9199	104.55%	0.1083	102.90%
x		101.91%	5.0924	103.33%	0.0183	100.61%
%RSD		0.48	25.4500	0.98	275.6700	1.95

Run	Time	108Mo O	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:53:59	-0.1513	95.69%	92.91%	91.13%	-0.0066
2	16:54:16	-0.1393	97.66%	94.54%	93.46%	-0.0066
3	16:54:33	-0.1769	99.37%	96.36%	95.44%	-0.0066
4	16:54:50	-0.1057	99.89%	97.62%	96.38%	-0.0066
5	16:55:07	-0.0349	100.81%	98.52%	96.94%	-0.0066
x		-0.1216	98.69%	95.99%	94.67%	-0.0066
%RSD		45.0780	2.06	2.38	2.51	0.0000

CRIF4 07/09/2008 16:57:57

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:58:14	99.47%	5.8584	98.50%	0.9591	92.81%
2	16:58:31	100.57%	6.6583	99.60%	0.9592	94.95%
3	16:58:48	99.80%	4.4740	100.52%	0.9616	96.48%
4	16:59:05	102.04%	6.1262	101.82%	1.0131	97.76%
5	16:59:22	101.54%	8.6961	102.82%	1.0613	99.45%
x		100.68%	6.3626	100.65%	0.9909	96.29%
%RSD		1.09	24.1060	1.71	4.6056	2.65

Run	Time	108Mo O	115In	159Tb	209Bi	220Bkg
		ug/L	ug/L	ug/L	ug/L	ug/L
1	16:58:14	-0.1664	90.50%	86.02%	84.07%	-0.0066
2	16:58:31	-0.2117	92.45%	87.90%	85.94%	-0.0066
3	16:58:48	-0.1405	94.17%	90.31%	88.22%	-0.0066
4	16:59:05	-0.0527	95.30%	91.91%	90.21%	-0.0066
5	16:59:22	-0.0994	97.43%	93.26%	91.64%	0.0305
x		-0.1341	93.97%	89.88%	88.02%	0.0008
%RSD		45.5350	2.82	3.27	3.50	2073.4000

CCV 10 07/09/2008 17:02:13 07/10/08

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	17:02:30	101.50%	959.0000	98.76%	247.2200	94.51%
2	17:02:47	100.11%	979.2300	99.38%	244.7300	96.70%
3	17:03:04	100.27%	962.7700	100.24%	245.8400	97.37%
4	17:03:20	101.21%	950.1300	101.69%	246.1800	98.53%
5	17:03:37	101.28%	984.7300	101.60%	245.7500	99.32%
x		100.87%	967.1700	100.33%	245.9400	97.29%
%RSD		0.63	1.4898	1.31	0.3639	1.91
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	17:02:30	-0.0575	92.70%	89.87%	87.88%	-0.0066
2	17:02:47	-0.0888	94.91%	91.72%	90.74%	-0.0066
3	17:03:04	0.0206	96.52%	93.51%	93.11%	-0.0066
4	17:03:20	-0.1127	97.50%	95.71%	95.01%	-0.0066
5	17:03:37	-0.0108	98.16%	96.68%	96.28%	-0.0066
x		-0.0498	95.96%	93.50%	92.60%	-0.0066
%RSD		109.9700	2.29	2.99	3.64	0.0000

CCB 10 07/09/2008 17:06:29 07/10/08

User Pre-dilution: 1.000

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
		ug/L	ug/L	ug/L	ug/L	ug/L
1	17:06:45	102.80%	10.6930	102.00%	-0.0043	97.54%
2	17:07:02	104.18%	8.9218	103.47%	0.0032	100.34%
3	17:07:19	103.13%	9.0776	104.46%	0.0171	100.76%
4	17:07:36	103.48%	10.9080	104.51%	0.0449	102.28%
5	17:07:52	104.05%	8.7047	105.78%	0.0953	103.47%
x		103.53%	9.6609	104.04%	0.0312	100.88%
%RSD		0.57	10.8800	1.35	129.3200	2.23
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
		ug/L	ug/L	ug/L	ug/L	ug/L
1	17:06:45	-0.1057	96.27%	93.24%	91.75%	-0.0066
2	17:07:02	-0.1384	98.56%	95.64%	94.91%	-0.0066
3	17:07:19	-0.0682	99.59%	98.03%	96.90%	-0.0066
4	17:07:36	-0.0425	101.63%	99.40%	98.60%	-0.0066
5	17:07:52	-0.0507	102.63%	101.32%	99.95%	-0.0066
x		-0.0811	99.74%	97.53%	96.42%	-0.0066
%RSD		49.5810	2.53	3.24	3.34	0.0000

Mass Uncorrected ICPS

S0 07/09/2008 15:07:04

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	15:07:21	260772.2800	365.0080	716580.4700	230.0032	1221276.0000
2	15:07:38	258114.7600	370.0082	716046.0900	202.5025	1237042.5000
3	15:07:55	255501.0400	367.5081	717110.8100	212.5027	1242886.3000
4	15:08:12	257435.9100	410.0101	724168.7300	162.5016	1260110.8000
5	15:08:29	257661.9000	340.0069	726539.8900	265.0042	1266563.0000
x		257897.1800	370.5083	720089.2000	214.5028	1245575.7000
%RSD		0.734	6.788	0.680	17.510	1.460
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	15:07:21	7.5000	1417065.7000	2164631.3000	1515692.9000	0.0000
2	15:07:38	5.0000	1434111.0000	2204052.9000	1548770.8000	0.0000
3	15:07:55	2.5000	1446380.2000	2228011.3000	1574847.9000	0.0000
4	15:08:12	5.0000	1461185.6000	2268537.9000	1598391.7000	0.0000
5	15:08:29	0.0000	1475363.4000	2279043.9000	1612849.7000	2.5000
x		4.0000	1446821.2000	2228855.5000	1570110.6000	0.5000
%RSD		71.261	1.572	2.108	2.480	223.607

S2 07/09/2008 15:11:19

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	15:11:36	255153.9800	420.0106	698788.0700	7968.8083	1180066.1000
2	15:11:53	253395.7000	512.5158	699705.4600	7981.3203	1196466.4000
3	15:12:10	255129.9300	572.5197	711340.0300	8151.4849	1219243.1000
4	15:12:26	256426.3200	450.0122	716188.8600	8008.8466	1233044.9000
5	15:12:43	259472.6400	455.0124	722764.3100	8204.0364	1248341.0000
x		255915.7100	482.0141	709757.3500	8062.8993	1215432.3000
%RSD		0.884	12.585	1.468	1.333	2.260
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	15:11:36	85.0004	1361101.0000	2052841.1000	1442017.1000	0.0000
2	15:11:53	115.0008	1384839.3000	2105014.0000	1482444.3000	0.0000
3	15:12:10	107.5007	1412499.0000	2162257.1000	1528943.0000	0.0000
4	15:12:26	72.5003	1432704.6000	2201745.6000	1552441.6000	0.0000
5	15:12:43	92.5005	1456785.8000	2227979.2000	1585062.8000	0.0000
x		94.5005	1409585.9000	2149967.4000	1518181.8000	0.0000
%RSD		18.079	2.686	3.319	3.732	0.000

S5 07/09/2008 15:15:34

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	15:15:51	255059.4900	645.0250	690390.8500	19668.1830	1156617.0000
2	15:16:07	255375.6200	592.5211	695523.7000	20206.9700	1160743.6000
3	15:16:24	256063.7600	555.0185	699192.4700	20419.9880	1183650.0000
4	15:16:41	259720.1700	595.0212	703860.7200	20435.0250	1196696.1000
5	15:16:58	256844.7500	625.0234	710175.4600	20304.7070	1198158.1000
x		256612.7600	602.5218	699828.6400	20206.9740	1179173.0000
%RSD		0.728	5.705	1.087	1.560	1.662
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	15:15:51	245.0036	1317908.8000	1973927.0000	1386754.6000	0.0000
2	15:16:07	212.5027	1344549.0000	2020910.1000	1414855.6000	0.0000
3	15:16:24	247.5037	1368940.5000	2050674.7000	1434251.1000	0.0000
4	15:16:41	215.0028	1370995.8000	2074829.8000	1452795.9000	0.0000
5	15:16:58	215.0028	1381740.0000	2090503.5000	1467144.1000	0.0000
x		227.0031	1356826.8000	2042169.0000	1431160.2000	0.0000
%RSD		7.764	1.891	2.268	2.212	0.000

S10 07/09/2008 15:19:48

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	15:20:05	254959.8400	812.5396	683933.3200	40164.0560	1141311.5000
2	15:20:21	254581.0200	960.0553	690752.8300	40081.1590	1158072.4000
3	15:20:38	257011.4400	990.0588	700865.9100	40297.1970	1184154.8000
4	15:20:55	258677.6500	877.5462	707088.8300	41282.0000	1194594.2000
5	15:21:11	258198.1200	1045.0655	712526.5000	41372.4460	1203298.2000
x		256685.6100	937.0531	699033.4800	40639.3720	1176286.2000
%RSD		0.723	9.846	1.673	1.559	2.201
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	15:20:05	452.5123	1299132.1000	1935074.0000	1350862.0000	0.0000
2	15:20:21	425.0108	1335631.0000	1994056.9000	1401057.1000	0.0000
3	15:20:38	460.0127	1366148.0000	2047629.4000	1433111.5000	0.0000
4	15:20:55	410.0101	1375855.0000	2081726.9000	1468393.1000	0.0000
5	15:21:11	437.5115	1398384.0000	2135741.0000	1492058.9000	0.0000
x		437.0115	1355030.0000	2038845.7000	1429096.5000	0.0000
%RSD		4.637	2.843	3.805	3.901	0.000

S50 07/09/2008 15:24:02

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	15:24:19	253564.0400	1702.6739	693114.8800	197336.6600	1168741.8000
2	15:24:35	254442.7200	1880.2121	701444.1500	201394.5300	1178509.7000
3	15:24:52	254457.3200	1822.6993	704861.4800	201863.1700	1207636.2000
4	15:25:09	257862.9800	1742.6822	710057.2500	202267.8000	1215285.2000
5	15:25:25	258510.0700	1812.6971	715859.8100	205982.1400	1225867.6000
x		255767.4300	1792.1929	705067.5200	201768.8600	1199208.1000
%RSD		0.879	3.902	1.223	1.523	2.041
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	15:24:19	2085.2609	1350831.3000	2028028.6000	1422743.4000	0.0000
2	15:24:35	2122.7703	1369976.9000	2065707.9000	1468165.2000	2.5000
3	15:24:52	2105.2659	1391413.9000	2113203.0000	1495653.4000	0.0000
4	15:25:09	2100.2646	1421266.6000	2178534.5000	1525767.1000	0.0000
5	15:25:25	2140.2748	1436665.0000	2204062.5000	1546801.6000	2.5000
x		2110.7673	1394030.7000	2117907.3000	1491826.1000	1.0000
%RSD		1.007	2.539	3.496	3.270	136.931

S200 07/09/2008 15:28:16

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	15:28:33	253536.5600	5814.5278	682619.3700	811038.0300	1153592.7000
2	15:28:50	254501.1300	5621.8957	688181.3300	816210.8700	1169205.6000
3	15:29:07	253664.5300	5521.8288	690842.3100	821147.3000	1185554.4000
4	15:29:24	253997.7900	5669.4279	695835.7100	826488.6100	1193620.9000
5	15:29:40	256590.4200	5777.0017	695938.8000	834672.1000	1197804.8000
x		254458.0900	5680.9364	690683.5000	821911.3800	1179955.7000
%RSD		0.491	2.083	0.811	1.114	1.555
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	15:28:33	8254.0858	1327700.9000	2016463.7000	1414099.4000	0.0000
2	15:28:50	8689.5281	1359299.3000	2058601.7000	1445215.4000	0.0000
3	15:29:07	8354.1854	1372345.8000	2086426.0000	1479764.8000	5.0000
4	15:29:24	8596.9321	1384936.1000	2125412.3000	1493664.5000	0.0000
5	15:29:40	8494.3270	1389612.1000	2122453.8000	1499084.6000	0.0000
x		8477.8117	1366778.9000	2081871.5000	1466365.8000	1.0000
%RSD		2.082	1.816	2.199	2.453	223.607

S500 07/09/2008 15:32:32

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	15:32:49	245489.2400	12719.7000	642900.7000	ŧ1959835.2000	1077222.6000
2	15:33:05	245456.6400	13012.6520	645222.7800	ŧ1975648.6000	1091572.3000
3	15:33:22	244878.3300	13055.2180	658013.4400	ŧ1991771.9000	1113598.5000
4	15:33:39	247124.0100	13450.8470	667367.6900	ŧ2009646.3000	1125003.8000
5	15:33:55	250592.8300	13090.2730	668819.9800	ŧ2034309.4000	1142133.6000
x		246708.2100	13065.7380	656464.9200	ŧ1994242.3000	1109906.2000
%RSD		0.943	1.994	1.841	ŧ1.457	2.334

Run	Time	108Mo O	115In	159Tb	209Bi	220Bkg
1	15:32:49	19638.1120	1227282.4000	1824169.0000	1281422.2000	0.0000
2	15:33:05	20059.1130	1257852.2000	1884180.8000	1327686.3000	2.5000
3	15:33:22	20379.8900	1276058.8000	1937640.4000	1360358.0000	0.0000
4	15:33:39	20164.3670	1303133.0000	1972970.1000	1392199.0000	0.0000
5	15:33:55	20833.5100	1323371.5000	2002027.0000	1414898.3000	2.5000
x		20214.9980	1277539.6000	1924197.5000	1355312.8000	1.0000
%RSD		2.170	2.947	3.695	3.897	136.931

S1000 07/09/2008 15:36:47

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	15:37:04	246981.5500	24836.9570	650036.1200	ŧ3883760.0000	1097969.1000
2	15:37:22	245070.5200	25431.2460	653932.7400	ŧ3918889.1000	1111342.5000
3	15:37:38	248586.5600	25912.7260	658965.7000	ŧ3955998.2000	1130595.1000
4	15:37:56	245923.4400	26028.0840	663961.0400	ŧ4005863.2000	1141879.5000
5	15:38:12	247163.4900	25784.8300	663642.0800	ŧ4015022.7000	1149800.9000
x		246745.1100	25598.7690	658107.5400	ŧ3955906.6000	1126317.4000
%RSD		0.540	1.879	0.925	ŧ1.417	1.904

Run	Time	108Mo O	115In	159Tb	209Bi	220Bkg
1	15:37:04	39169.3380	1271001.3000	1921882.1000	1358790.5000	2.5000
2	15:37:22	40126.3760	1299477.8000	1968759.1000	1388305.0000	0.0000
3	15:37:38	40171.5930	1316031.4000	2013432.6000	1424735.9000	0.0000
4	15:37:56	41231.7520	1327765.0000	2046315.1000	1456586.2000	5.0000
5	15:38:12	41294.5620	1347063.1000	2087021.0000	1473858.7000	7.5000
x		40398.7240	1312267.7000	2007482.0000	1420455.3000	3.0000
%RSD		2.191	2.199	3.218	3.342	108.653

S1500 07/09/2008 15:41:05

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	15:41:22	250987.7800	38247.5720	673572.0400	1010.0612	1140569.5000
2	15:41:40	250810.9100	38767.4660	682492.0500	1020.0624	1162096.6000
3	15:41:56	252807.4000	39350.1870	687289.5500	1170.0821	1174747.4000
4	15:42:13	256151.3900	39764.6480	692640.2500	1335.1069	1197712.9000
5	15:42:30	257367.1700	40478.0700	700215.7700	2360.3342	1205123.4000
x		253624.9300	39321.5890	687241.9300	1379.1294	1176050.0000
%RSD		1.182	2.201	1.468	40.914	2.238

Run	Time	108Mo O	115In	159Tb	209Bi	220Bkg
1	15:41:22	22.5000	1324487.2000	1998925.3000	1412855.0000	0.0000
2	15:41:40	17.5000	1351076.7000	2056184.7000	1459785.3000	0.0000
3	15:41:56	15.0000	1373209.8000	2101542.0000	1497252.3000	0.0000
4	15:42:13	15.0000	1395517.8000	2142106.8000	1520219.5000	0.0000
5	15:42:30	42.5001	1417642.6000	2180641.0000	1539953.7000	0.0000
x		22.5000	1372386.8000	2095880.0000	1486013.2000	0.0000
%RSD		51.520	2.660	3.401	3.406	0.000

S2000 07/09/2008 15:45:22

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	15:45:39	256727.9000	52499.8550	692152.0900	865.0449	1167138.7000
2	15:45:55	257356.0000	53070.9550	693108.1000	925.0513	1173340.9000
3	15:46:12	259268.0800	53478.5480	704660.5000	1030.0637	1200522.3000
4	15:46:29	259965.1400	53971.7130	710513.8100	1075.0693	1198390.7000
5	15:46:45	258676.7900	53939.0020	705344.9300	1170.0821	1210632.8000
x		258398.7800	53392.0150	701155.8900	1013.0623	1190005.1000
%RSD		0.518	1.163	1.157	11.932	1.576
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	15:45:39	5.0000	1353750.5000	2035596.4000	1434044.7000	0.0000
2	15:45:55	12.5000	1367403.6000	2070471.6000	1463059.4000	0.0000
3	15:46:12	10.0000	1392059.6000	2108420.7000	1495867.2000	0.0000
4	15:46:29	12.5000	1406908.5000	2128095.2000	1507037.1000	0.0000
5	15:46:45	7.5000	1405330.0000	2156101.0000	1530403.1000	0.0000
x		9.5000	1385090.5000	2099737.0000	1486082.3000	0.0000
%RSD		34.312	1.704	2.262	2.548	0.000

ICV3 07/09/2008 15:49:38

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	15:49:56	253004.0700	51148.9930	662612.2700	394363.1400	1101449.0000
2	15:50:12	253662.8100	51448.3270	665545.2400	395293.1900	1115726.9000
3	15:50:29	253454.1000	53184.1740	675909.1100	397358.0000	1137453.6000
4	15:50:46	250681.2600	52796.7210	676876.8800	402836.8700	1141414.3000
5	15:51:03	254401.4900	53309.9740	687861.4700	405480.5700	1161438.7000
x		253040.7500	52377.6380	673761.0000	399066.3500	1131496.5000
%RSD		0.558	1.926	1.493	1.219	2.064
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	15:49:56	3928.4257	1254807.9000	1872555.0000	1309526.1000	0.0000
2	15:50:12	3985.9530	1280545.2000	1910190.4000	1332117.0000	0.0000
3	15:50:29	4083.5003	1296956.5000	1948290.8000	1366617.7000	0.0000
4	15:50:46	4151.0336	1320718.3000	1992546.5000	1398132.8000	2.5000
5	15:51:03	4183.5499	1352724.7000	2027456.1000	1429615.3000	0.0000
x		4066.4925	1301150.5000	1950207.8000	1367201.8000	0.5000
%RSD		2.657	2.884	3.181	3.548	223.607

ICB3 07/09/2008 15:53:55

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	15:54:12	253120.8700	487.5143	685335.5500	190.0022	1149803.7000
2	15:54:29	256855.0600	482.5140	695879.1200	172.5018	1168930.8000
3	15:54:46	253425.7600	465.0130	699355.3200	212.5027	1192739.6000
4	15:55:03	258678.5100	435.0114	710267.8600	247.5037	1199174.9000
5	15:55:20	259847.3800	547.5180	714305.8300	335.0067	1215938.5000
x		256385.5200	483.5141	701028.7300	231.5034	1185317.5000
%RSD		1.184	8.533	1.653	27.771	2.198
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	15:54:12	10.0000	1321344.4000	1987878.7000	1392106.6000	0.0000
2	15:54:29	5.0000	1354951.8000	2023516.0000	1426731.9000	0.0000
3	15:54:46	2.5000	1376874.7000	2075816.2000	1467018.3000	2.5000
4	15:55:03	2.5000	1406502.8000	2116679.3000	1493780.3000	0.0000
5	15:55:20	0.0000	1417934.0000	2153394.2000	1519347.4000	0.0000
x		4.0000	1375521.5000	2071456.9000	1459796.9000	0.5000
%RSD		94.786	2.843	3.244	3.498	223.607

CRII3 07/09/2008 15:58:12

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	15:58:29	257703.1500	360.0078	695427.3900	4033.4759	1168275.2000
2	15:58:46	258384.6000	497.5149	708698.5800	4156.0361	1195266.1000
3	15:59:03	256498.4900	482.5140	710300.4700	4313.6161	1213964.3000
4	15:59:20	259881.7600	490.0144	715591.9500	4228.5726	1217438.1000
5	15:59:37	257778.7700	462.5128	720137.0700	4308.6136	1238095.5000
x		258049.3500	458.5128	710031.0900	4208.0629	1206607.8000
%RSD		0.477	12.342	1.314	2.783	2.177
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	15:58:29	25.0000	1342140.6000	2034167.3000	1428769.5000	0.0000
2	15:58:46	47.5001	1380711.0000	2073391.6000	1461509.4000	0.0000
3	15:59:03	52.5002	1401580.1000	2127586.5000	1494633.7000	0.0000
4	15:59:20	55.0002	1418799.4000	2164573.9000	1525887.8000	0.0000
5	15:59:37	47.5001	1431207.0000	2195198.6000	1555635.7000	0.0000
x		45.5001	1394887.6000	2118983.6000	1493287.2000	0.0000
%RSD		26.178	2.514	3.098	3.369	0.000

ICSA3 07/09/2008 16:02:27

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	16:02:44	226702.2500	TM 2448817.3000	585988.1500	26971.0760	948474.9700
2	16:03:02	224311.3400	TM 2463149.6000	593413.2000	27490.2680	959146.5200
3	16:03:19	228158.7000	TM 2512456.1000	596271.8200	28192.6090	976314.0300
4	16:03:35	225050.0300	TM 2521469.3000	604210.4100	28124.8810	987005.3300
5	16:03:52	227330.7000	TM 2568719.2000	610849.1600	28664.2140	996687.4300
x		226310.6100	TM 2502922.3000	598146.5500	27888.6090	973525.6600
%RSD		0.705	TM 1.924	1.612	2.372	2.029
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	16:02:44	1607.6551	1140455.3000	1685469.3000	1135077.5000	0.0000
2	16:03:02	1492.6337	1158973.2000	1730718.4000	1171046.8000	0.0000
3	16:03:19	1412.6197	1182764.0000	1760362.7000	1190100.4000	0.0000
4	16:03:35	1572.6484	1194341.5000	1793411.3000	1215378.7000	5.0000
5	16:03:52	1555.1451	1215590.2000	1814136.6000	1228785.4000	0.0000
x		1528.1404	1178424.8000	1756819.7000	1188077.8000	1.0000
%RSD		5.031	2.501	2.904	3.123	223.607

ICSAB3 07/09/2008 16:06:43

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	16:06:59	228073.9300	TM 2490963.8000	602646.8000	100669.4100	974308.4100
2	16:07:16	227858.1500	TM 2555948.3000	615147.4700	101846.0800	998319.0000
3	16:07:33	229319.0800	TM 2597371.2000	620750.9700	104579.6200	1015118.4000
4	16:07:50	231955.5600	TM 2638845.0000	625307.1700	104518.8700	1032369.8000
5	16:08:07	235011.9300	TM 2658813.8000	633931.1000	105706.2000	1040605.9000
x		230443.7300	TM 2588388.4000	619556.7000	103464.0400	1012144.3000
%RSD		1.315	TM 2.601	1.887	2.040	2.638
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	16:06:59	2165.2813	1178051.2000	1749352.4000	1176687.1000	0.0000
2	16:07:16	2305.3188	1209439.2000	1800354.5000	1214020.4000	0.0000
3	16:07:33	1990.2376	1233264.1000	1849479.7000	1253148.8000	0.0000
4	16:07:50	2242.8018	1251562.3000	1882195.7000	1275398.2000	0.0000
5	16:08:07	2275.3106	1264325.9000	1912638.2000	1302009.9000	0.0000
x		2195.7900	1227328.5000	1838804.1000	1244252.9000	0.0000
%RSD		5.748	2.805	3.538	3.991	0.000

CCV3 07/09/2008 16:10:58

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	16:11:14	251353.5600	26542.2020	697547.8500	1035956.6000	1169240.0000
2	16:11:31	252036.2300	26534.6780	697204.5800	1044424.8000	1184954.9000
3	16:11:48	252403.7700	27517.8590	704661.8600	1043544.1000	1202694.7000
4	16:12:05	250401.3700	27399.9720	705130.3600	1052949.2000	1204677.8000
5	16:12:22	251608.5900	28629.0930	716645.7400	1063764.7000	1221967.2000
x		251560.7000	27324.7610	704238.0800	1048127.9000	1196706.9000
%RSD		0.303	3.159	1.121	1.013	1.687
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	16:11:14	10464.0660	1362148.2000	2069245.7000	1455966.9000	2.5000
2	16:11:31	10699.3640	1379468.2000	2118165.5000	1489852.7000	0.0000
3	16:11:48	10599.2360	1396598.4000	2153250.7000	1523235.6000	0.0000
4	16:12:05	10929.6630	1409160.8000	2181095.0000	1550522.3000	0.0000
5	16:12:22	10822.0220	1422362.0000	2219394.5000	1582267.4000	2.5000
x		10702.8700	1393947.5000	2148230.3000	1520369.0000	1.0000
%RSD		1.706	1.708	2.685	3.260	136.931

CCB 07/09/2008 16:15:13

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	16:15:29	252578.9600	625.0234	693254.5700	282.5048	1160789.3000
2	16:15:46	251963.2300	670.0269	699553.4600	285.0049	1169429.0000
3	16:16:03	254896.2700	732.5322	699106.9700	335.0067	1184332.6000
4	16:16:20	254814.6600	940.0530	708244.8300	425.0108	1197187.3000
5	16:16:37	253345.0300	1662.6659	709702.6200	767.5354	1199985.1000
x		253519.6300	926.0603	701972.4900	419.0125	1182344.6000
%RSD		0.518	46.333	0.980	48.494	1.445
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	16:15:29	5.0000	1333073.3000	2004436.3000	1408361.0000	0.0000
2	16:15:46	5.0000	1348476.7000	2043532.6000	1436681.2000	0.0000
3	16:16:03	35.0001	1360530.6000	2065543.7000	1455598.9000	0.0000
4	16:16:20	7.5000	1373886.4000	2093486.8000	1471776.9000	0.0000
5	16:16:37	20.0000	1384892.1000	2106872.7000	1481495.7000	0.0000
x		14.5000	1360171.8000	2062774.4000	1450782.8000	0.0000
%RSD		89.920	1.502	1.979	2.011	0.000

MH25A6-2x 07/09/2008 16:19:28

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	16:19:45	249491.3400	TM 3678291.1000	667816.6000	997257.4600	1088975.7000
2	16:20:02	250131.7800	TM 3717848.0000	673461.0800	1010544.3000	1104180.0000
3	16:20:19	252402.9100	TM 3752301.5000	679520.8500	1021164.5000	1121244.1000
4	16:20:36	252857.2100	TM 3872495.4000	690133.2700	1034526.8000	1140712.2000
5	16:20:53	256525.1300	TM 3834170.0000	692983.3400	1034729.8000	1151918.0000
x		252281.6700	TM 3771021.2000	680783.0300	1019644.6000	1121406.0000
%RSD		1.099	TM 2.140	1.575	1.578	2.296
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	16:19:45	432.5112	1227573.5000	1895402.6000	1237277.6000	0.0000
2	16:20:02	352.5075	1245395.2000	1959287.4000	1281768.7000	0.0000
3	16:20:19	425.0108	1273399.3000	1993941.0000	1313805.2000	0.0000
4	16:20:36	420.0106	1291611.4000	2041620.4000	1344004.5000	0.0000
5	16:20:53	432.5112	1308354.1000	2087261.6000	1367782.7000	0.0000
x		412.5103	1269266.7000	1995502.6000	1308927.7000	0.0000
%RSD		8.232	2.599	3.706	3.931	0.000

222222 KE 07/10/08
~~MA2H15-2x~~ 07/09/2008 16:23:45

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	16:24:01	230262.9100	M 1513403.6000	632341.9000	T 13624167.0000	1147967.0000
2	16:24:18	230398.2400	M 1536537.0000	638945.7100	T 13636452.0000	1160080.0000
3	16:24:35	232654.6500	TM 1614124.8000	649013.3300	T 13868805.0000	1185422.5000
4	16:24:51	231856.1800	TM 1618809.1000	652715.1100	T 13974771.0000	1206569.4000
5	16:25:08	230299.7400	TM 1649924.0000	658522.6500	T 14248019.0000	1220521.6000
x		231094.3400	TM 1586559.7000	646307.7400	T 13870443.0000	1184112.1000
%RSD		0.475	TM 3.685	1.635	T 1.869	2.574

Run	Time	108Mo O	115In	159Tb	209Bi	220Bkg
1	16:24:01	10.0000	1201755.0000	1900393.4000	1241689.8000	0.0000
2	16:24:18	15.0000	1223784.7000	1957270.6000	1280975.7000	0.0000
3	16:24:35	12.5000	1253238.4000	2002252.8000	1314203.8000	0.0000
4	16:24:51	7.5000	1261372.0000	2037967.1000	1332466.9000	0.0000
5	16:25:08	12.5000	1275922.6000	2060072.4000	1364611.7000	0.0000
x		11.5000	1243214.5000	1991591.3000	1306789.6000	0.0000
%RSD		24.786	2.412	3.220	3.622	0.000

222222 KE 07/10/08
~~MA2GY6-2x~~ 07/09/2008 16:28:00

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	16:28:17	230459.9100	M 1301023.4000	629649.0200	T 10968067.0000	1118453.8000
2	16:28:33	229803.8300	M 1313464.8000	633999.7900	T 11054152.0000	1122537.0000
3	16:28:50	231602.6100	M 1322340.4000	639378.3200	T 11180741.0000	1135023.3000
4	16:29:07	231947.8500	M 1330653.5000	641359.7400	T 11197363.0000	1151643.7000
5	16:29:24	230451.3400	M 1336561.5000	648979.6000	T 11304905.0000	1153978.6000
x		230853.1100	M 1320808.7000	638673.2900	T 11141046.0000	1136327.3000
%RSD		0.386	M 1.066	1.154	T 1.179	1.431

Run	Time	108Mo O	115In	159Tb	209Bi	220Bkg
1	16:28:17	20.0000	1177927.9000	1825867.8000	1197643.9000	0.0000
2	16:28:33	25.0000	1187074.7000	1855325.8000	1218543.5000	0.0000
3	16:28:50	12.5000	1205387.9000	1881483.6000	1238743.3000	0.0000
4	16:29:07	10.0000	1214303.9000	1900123.4000	1250673.8000	0.0000
5	16:29:24	15.0000	1230236.7000	1922557.0000	1267056.6000	5.0000
x		16.5000	1202986.2000	1877071.5000	1234532.2000	1.0000
%RSD		36.490	1.742	2.014	2.201	223.607

222222 KE 07/10/08
~~MA2H08-2x~~ 07/09/2008 16:32:17

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	16:32:34	249745.4500	216272.9900	680466.0000	T 11157560.0000	1124718.9000
2	16:32:50	249893.1100	221554.0300	693976.0700	T 11306522.0000	1149109.5000
3	16:33:07	249641.5700	223648.8900	699880.5400	T 11469236.0000	1176317.5000
4	16:33:24	253247.9800	225636.4000	711282.9500	T 11611558.0000	1192538.6000
5	16:33:41	254747.6600	229196.6100	719314.0900	T 11761813.0000	1205557.5000
x		251455.1500	223261.7900	700983.9300	T 11461338.0000	1169648.4000
%RSD		0.948	2.157	2.156	T 2.088	2.803

Run	Time	108Mo O	115In	159Tb	209Bi	220Bkg
1	16:32:34	12.5000	1278774.2000	1910128.3000	1338179.1000	0.0000
2	16:32:50	12.5000	1319582.8000	1971578.8000	1373224.5000	0.0000
3	16:33:07	5.0000	1345083.3000	2024937.1000	1411140.0000	0.0000
4	16:33:24	7.5000	1367839.8000	2066263.8000	1443044.2000	2.5000
5	16:33:41	15.0000	1389377.4000	2102639.0000	1469705.9000	0.0000
x		10.5000	1340131.5000	2015109.4000	1407058.7000	0.5000
%RSD		39.123	3.210	3.787	3.748	223.607

222222 5/07/10/08
~~MA2H01-2x~~ 07/09/2008 16:36:33

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	16:36:50	252951.6800	237679.3300	709078.9900	T 13415804.0000	1179914.2000
2	16:37:07	258534.1300	238618.0900	714163.0900	T 13439968.0000	1194373.1000
3	16:37:24	255433.1700	243107.6000	721602.2900	T 13654110.0000	1211691.4000
4	16:37:41	256879.9800	244160.2100	726300.3000	T 13730174.0000	1234282.0000
5	16:37:58	258361.4000	248948.8000	735111.1300	T 13852843.0000	1249820.1000
x		256432.0700	242502.8100	721251.1600	T 13618580.0000	1214016.2000
%RSD		0.903	1.879	1.414	T 1.382	2.347
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	16:36:50	20.0000	1351722.4000	2030180.3000	1407672.9000	0.0000
2	16:37:07	7.5000	1372334.1000	2086634.9000	1455766.0000	0.0000
3	16:37:24	17.5000	1401286.3000	2126842.7000	1485035.7000	0.0000
4	16:37:41	5.0000	1419803.3000	2159503.9000	1509589.4000	0.0000
5	16:37:58	5.0000	1439957.3000	2200057.2000	1533907.0000	0.0000
x		11.0000	1397020.7000	2120643.8000	1478394.2000	0.0000
%RSD		65.477	2.541	3.092	3.316	0.000

222222 5/07/10/08
~~MA2H03-2x~~ 07/09/2008 16:40:52

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	16:41:09	253485.8800	231480.9700	704253.1300	T 12153378.0000	1156980.1000
2	16:41:25	258437.0200	233956.1700	704299.3000	T 12111447.0000	1166697.9000
3	16:41:43	257021.7500	234496.0300	711663.4700	T 12247424.0000	1183506.7000
4	16:41:59	255944.3400	238877.8800	713497.0000	T 12231691.0000	1189814.9000
5	16:42:16	258284.9200	239083.6600	720649.9400	T 12433859.0000	1206511.9000
x		256634.7800	235578.9400	710872.5700	T 12235560.0000	1180702.3000
%RSD		0.792	1.404	0.970	T 1.015	1.649
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	16:41:09	7.5000	1324163.8000	1966143.4000	1365540.7000	0.0000
2	16:41:25	10.0000	1332140.3000	2001076.6000	1390345.7000	0.0000
3	16:41:43	10.0000	1361463.7000	2029258.5000	1414031.8000	0.0000
4	16:41:59	15.0000	1368035.9000	2044241.6000	1421287.2000	0.0000
5	16:42:16	7.5000	1379078.4000	2074855.1000	1439384.9000	0.0000
x		10.0000	1352976.4000	2023115.1000	1406118.1000	0.0000
%RSD		30.619	1.751	2.052	2.041	0.000

ZZZZZZ 07/09/2008 16:45:09

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	16:45:26	254531.2000	667.5267	721033.5900	312.5059	1183592.7000
2	16:45:43	255037.1500	605.0220	727209.7100	277.5046	1209102.7000
3	16:46:00	257543.3200	740.0329	735812.9500	362.5079	1232427.8000
4	16:46:17	259047.2000	597.5214	744293.7500	585.0205	1237126.1000
5	16:46:34	258635.5400	732.5322	754035.0400	1160.0807	1259943.1000
x		256958.8800	668.5270	736477.0100	539.5239	1224438.5000
%RSD		0.805	10.114	1.789	68.019	2.377
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	16:45:26	12.5000	1336853.2000	1963297.3000	1343617.6000	0.0000
2	16:45:43	2.5000	1365586.1000	2013068.3000	1390728.7000	0.0000
3	16:46:00	5.0000	1391481.4000	2057730.8000	1420992.8000	0.0000
4	16:46:17	0.0000	1416721.3000	2112174.6000	1451676.0000	0.0000
5	16:46:34	5.0000	1436305.2000	2147457.3000	1483633.2000	0.0000
x		5.0000	1389389.4000	2058745.7000	1418129.7000	0.0000
%RSD		93.541	2.852	3.596	3.818	0.000

CCV 9 07/09/2008 16:49:27 (07/10/08)
User Pre-dilution: 1.00 (07/10/08)

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	16:49:44	258024.5300	26815.5750	716012.0900	1060859.5000	1191579.9000
2	16:50:00	257765.0200	26414.2970	720630.8900	1071237.2000	1207092.7000
3	16:50:17	257702.2900	27262.0200	725335.1800	1083076.0000	1227775.2000
4	16:50:35	261517.5900	27412.5130	734687.3400	1091597.9000	1239102.5000
5	16:50:52	262250.0800	27106.5140	735973.7600	1095407.5000	1253174.8000
x		259451.9000	27002.1840	726527.8500	1080435.6000	1223745.0000
%RSD		0.863	1.466	1.197	1.328	2.014
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	16:49:44	10293.8540	1355770.3000	2022242.8000	1404590.7000	2.5000
2	16:50:00	10621.7650	1385763.2000	2063702.7000	1437367.0000	5.0000
3	16:50:17	10739.4160	1405162.4000	2120239.5000	1470856.1000	2.5000
4	16:50:35	10999.7550	1425039.4000	2149072.6000	1503891.2000	0.0000
5	16:50:52	10904.6300	1437431.9000	2185348.2000	1525843.1000	0.0000
x		10711.8840	1401833.4000	2108121.2000	1468509.6000	2.0000
%RSD		2.572	2.311	3.105	3.336	104.583

CCB 9 07/09/2008 16:53:42 (07/10/08)
User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	16:53:59	261060.2500	572.5197	735111.1300	212.5027	1218111.7000
2	16:54:16	263832.2000	522.5164	739401.9600	205.0025	1240842.7000
3	16:54:33	262269.0000	527.5167	743097.4800	172.5018	1260839.7000
4	16:54:50	262703.1900	480.0138	749831.1800	212.5027	1264496.7000
5	16:55:07	264154.6700	527.5167	752857.9200	717.5309	1281739.7000
x		262803.8600	526.0167	744059.9300	304.0081	1253206.1000
%RSD		0.474	6.230	0.982	76.234	1.948
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	16:53:59	7.5000	1384464.0000	2070740.2000	1430899.0000	0.0000
2	16:54:16	5.0000	1412978.5000	2107082.0000	1467379.3000	0.0000
3	16:54:33	7.5000	1437721.0000	2147724.9000	1498517.3000	0.0000
4	16:54:50	5.0000	1445293.7000	2175869.1000	1513286.1000	0.0000
5	16:55:07	7.5000	1458509.4000	2195762.1000	1521979.0000	0.0000
x		6.5000	1427793.3000	2139435.7000	1486412.2000	0.0000
%RSD		21.066	2.055	2.376	2.512	0.000

CRIF 4 07/09/2008 16:57:57
User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	16:58:14	256521.6900	522.5164	709297.7300	4291.1045	1156008.1000
2	16:58:31	259351.4500	550.0181	717192.4000	4351.1356	1182721.0000
3	16:58:48	257365.4500	495.0147	723814.8800	4408.6659	1201700.4000
4	16:59:05	263152.0200	547.5180	733189.9400	4693.8215	1217691.4000
5	16:59:22	261856.3200	625.0234	740412.2800	4963.9780	1238727.4000
x		259649.3900	548.0181	724781.4500	4541.7411	1199369.6000
%RSD		1.093	8.843	1.708	6.211	2.652
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	16:58:14	50.0001	1309351.6000	1917234.1000	1319936.5000	0.0000
2	16:58:31	45.0001	1337608.7000	1959175.0000	1349350.1000	0.0000
3	16:58:48	50.0001	1362455.3000	2012927.0000	1385139.9000	0.0000
4	16:59:05	42.5001	1378855.7000	2048512.0000	1416431.4000	0.0000
5	16:59:22	60.0002	1409690.1000	2078535.5000	1438914.3000	2.5000
x		49.5001	1359592.3000	2003276.7000	1381954.5000	0.5000
%RSD		13.552	2.824	3.269	3.499	223.607

CCV3/10 07/09/2008 17:02:13

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	17:02:30	261723.0600	26226.2040	711137.5500	1059137.2000	1177137.0000
2	17:02:47	258163.7500	26925.9300	715587.8700	1059165.4000	1204491.0000
3	17:03:04	258595.1500	26705.2220	721828.1500	1072803.3000	1212847.9000
4	17:03:20	260988.9000	26737.8260	732281.2700	1089194.2000	1227270.9000
5	17:03:37	261192.6400	27673.3730	731601.5300	1088516.1000	1237042.5000
x		260132.7000	26853.7110	722487.2700	1073763.2000	1211757.9000
%RSD		0.627	1.958	1.305	1.384	1.905
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	17:02:30	10381.4620	1341157.0000	2003124.9000	1379846.3000	0.0000
2	17:02:47	10644.2940	1373215.7000	2044244.7000	1424652.0000	0.0000
3	17:03:04	10922.1530	1396419.2000	2084299.2000	1461896.9000	0.0000
4	17:03:20	10862.0740	1410678.3000	2133231.0000	1491808.1000	0.0000
5	17:03:37	11009.7680	1420209.6000	2154921.2000	1511685.9000	0.0000
x		10763.9500	1388335.9000	2083964.2000	1453977.8000	0.0000
%RSD		2.349	2.288	2.994	3.636	0.000

CCB3/10 07/09/2008 17:06:29

User Pre-dilution: 1.00

Run	Time	6Li	44Ca	45Sc	55Mn	89Y
1	17:06:45	265077.4600	677.5275	734466.6000	197.5023	1214876.5000
2	17:07:02	268649.1500	637.5244	745071.3400	235.0033	1249843.2000
3	17:07:19	265941.8600	647.5252	752183.4000	300.0054	1255024.7000
4	17:07:36	266882.9000	700.0294	752591.6500	427.5110	1273993.2000
5	17:07:52	268353.1700	645.0250	761721.6500	665.0265	1288816.8000
x		266980.9100	661.5263	749206.9300	365.0097	1256510.9000
%RSD		0.574	3.987	1.353	51.819	2.226
Run	**Time**	**108Mo O**	**115In**	**159Tb**	**209Bi**	**220Bkg**
1	17:06:45	0.0000	1392796.4000	2078241.4000	1440610.9000	0.0000
2	17:07:02	2.5000	1425937.9000	2131701.1000	1490245.8000	0.0000
3	17:07:19	10.0000	1440898.6000	2184922.8000	1521452.0000	0.0000
4	17:07:36	5.0000	1470459.3000	2215450.1000	1548091.4000	0.0000
5	17:07:52	7.5000	1484865.2000	2258259.4000	1569390.0000	0.0000
x		5.0000	1442991.5000	2173714.9000	1513958.1000	0.0000
%RSD		79.057	2.528	3.244	3.341	0.000

SDG/PREP GROUP# MH2599 EMS/1248 CONTINUED FROM PAGE#: D117

Explanations:

Physical Description Log

CASE: 37402 **SDG:** MH2599 **DCL ID:** 8171001

DCL Sample #	Matrix	Method **	Prep Date	Amount of Sample Used (mL)	Final Volume of Digested Samples	pH	*Color/Clarity, Texture		Comments	Init.
							Before	After		
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	
MH2599	Water			50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH25A0				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH25A2				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH25A3				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH25A4				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH25A6				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH25A7				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH25A9				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH25B0				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH25B1				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH25B2				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH25B3				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH25B4				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH25B5				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH25B6				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH25B7				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH25B8				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH25C0				50 mL	50 mL	N/A	N/CL	N/CL	N/A	
MH25C4				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

AIRBILL INFORMATION SHEET

There is no Airbill for this SDG.

The required notations concerning the location of the Air Bill is included in Forms DC-1, DC-2 and in the SDG Administrative Narrative (if it is required).

SAMPLE TAG INFORMATION SHEET

There are no Sample Tags included with this SDG
The TR/COC lists tag numbers and the DC-1 reflects this, however the Lab did not receive actual tags for this case. In the future communication between Sample Receipt and Log-in will include the status of the tags.

Notations concerning the location of the Sample Tags are included in Forms DC-1, DC-2 and in the SDG Administrative Narrative (if it is required).

Revised

Sample Delivery Group (SDG)
Cover Sheet

SDG Number: MH2599

☐ 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) MH2599	7) MH25A7	13) MH25B4	19) MH25C4
2) MH25A0	8) MH25A9	14) MH25B5	20)
3) MH25A2	9) MH25B0	15) MH25B6	21)
4) MH25A3	10) MH25B1	16) MH25B7	22)
5) MH25A4	11) MH25B2	17) MH25B8	23)
6) MH25A6	12) MH25B3	18) MH25C0	24)

MH2599	MH25C4
First Sample in SDG	Last Sample in SDG
06/18/08	06/18/08
First Sample Receipt Date	Last Sample Receipt Date

Note: *There are a maximum of 20 field samples (excluding PE samples) in an SDG. Attach the TR/COC records to this form in alphanumeric order (the order listed above on this form).*

Signature: Date: 7/8/2008

DataChem Laboratories, Inc.
CHAIN-OF-CUSTODY

Project / Job / Task: P056L001 | *Split:* | **Workorder ID:** 8171001

Client: U. S. EPA Region 8 | **Account:** 08201

Comments:

Item	Collect Date/Time	Sample ID	Lab ID	QC	Matrix	Preservatives: HNO3	Containers: Count	Requested Analysis: LM05.4 ICP-MS, Water	LM05.4 Prep/Extn/Dig
1	6/3/2008 09:45	MH2599	8171001001		Water		1	X	X
2	6/3/2008 10:50	MH25A0	8171001002		Water		1	X	X
3	6/3/2008 11:30	MH25A2	8171001004		Water		1	X	X
4	6/3/2008 12:30	MH25A3	8171001005		Water		1	X	X
5	6/3/2008 14:20	MH25A4	8171001006		Water		1	X	X
6	6/4/2008 10:00	MH25A6	8171001007		Water		1	X	X
7	6/4/2008 10:45	MH25A7	8171001008		Water		1	X	X
8	6/4/2008 11:45	MH25A9	8171001009		Water		1	X	X
9	6/4/2008 12:25	MH25B0	8171001010		Water		1	X	X
10	6/4/2008 12:50	MH25B1	8171001011		Water		1	X	X

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinqueshed 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 8:25	R33-1 RKA	[illegible]
R-33-1 RKA	6/26/08 1700	[illegible]	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

Relinqueshed By: (Signature)	Date / Time	Received By: (Signature)	Reason for Transfer / Storage Location
[illegible]	6/27/08 1745	[illegible]	ICP-MS ANALYSIS

253

DataChem Laboratories, Inc.
CHAIN-OF-CUSTODY

Project / Job / Task: P056L001	Split:	Workorder ID: 8171001
Client: U. S. EPA Region 8		Account: 08201
Comments:		

Item	Collect Date/Time	Sample ID	Lab ID	QC	Matrix	Preservatives: HNO3	Containers: Count	Requested Analysis: LM05.4 ICP-MS, Water	LM05.4 PrepExtr/Clg
11	6/4/2008 13:05	MH25B2	8171001012		Water		1	X	X
12	6/4/2008 15:20	MH25B3	8171001013		Water		1	X	X
13	6/4/2008 14:50	MH25B4	8171001014		Water		1	X	X
14		MH25B5	8171001015		Water		1	X	X
15	6/4/2008 14:30	MH25B6	8171001016		Water		1	X	X
16	6/5/2008 07:30	MH25B7	8171001017		Water		1	X	X
17	6/4/2008 15:50	MH25B8	8171001018		Water		1	X	X
18	6/5/2008 09:55	MH25C0	8171001019		Water		1	X	X
19	6/5/2008 11:52	MH25C4	8171001020		Water		1	X	X
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	6/18/08	[illegible]	Storage
R-33-1 RKA	6/26/08 1700	[signature]	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
[signature]	6/27/08 1745	[signature]	ICP-MS ANALYSIS

Batch Worklist

DATA CHEM LABORATORIES, INC.

Batch EMS/ 1268 **Created** 7/8/2008 14:10 **HBN** 17457

Rule ILM ICP-MS Water Analysis **Analyst** N. Edwards **Status** WP

Workorder 8171001 **CASE** 37402 **SDG** MH2599 **MODN** 1554.1

Pos	Lab ID	Sample ID	Prep Initial	Prep Final	Mx	Type	Container	Procedure	Mgr	Expire Date	Due Date
1	56416	S0			3	STB		ILMMSW...3	5609	1/4/2009	7/7/2008
	*Run # MS208083, MS208084 (Ca and Zn only)										
2	56417	S2			3	STC		ILMMSW...3	5609	1/4/2009	7/7/2008
3	56418	S5			3	STD		ILMMSW...3	5609	1/4/2009	7/7/2008
4	56419	S10			3	STD		ILMMSW...3	5609	1/4/2009	7/7/2008
5	56420	S50			3	STD		ILMMSW...3	5609	1/4/2009	7/7/2008
6	56421	S200			3	STD		ILMMSW...3	5609	1/4/2009	7/7/2008
7	56422	S500			3	STD		ILMMSW...3	5609	1/4/2009	7/7/2008
8	56423	S1000			3	STD		ILMMSW...3	5609	1/4/2009	7/7/2008
9	56424	S1500			3	STD		ILMMSW...3	5609	1/4/2009	7/7/2008
10	56425	S2000			3	STD		ILMMSW...3	5609	1/4/2009	7/7/2008
11	56426	ICV			3	ICV		ILMMSW...3	5609	1/4/2009	7/7/2008
12	56427	ICB			3	ICB		ILMMSW...3	5609	1/4/2009	7/7/2008
13	56428	CRII			3	CRI		ILMMSW...3	5609	1/4/2009	7/7/2008
14	56429	ICSA			3	ICSA		ILMMSW...3	5609	1/4/2009	7/7/2008
15	56430	ICSAB			3	ICSAB		ILMMSW...3	5609	1/4/2009	7/7/2008
16	56431	CCV			3	CCV		ILMMSW...3	5609	1/4/2009	7/7/2008
17	56432	CCB			3	CCB		ILMMSW...3	5609	1/4/2009	7/7/2008
18	55232	PBW	50 mL	50 mL	3	PBW		ILMMSW...3	6085	12/24/2008	6/25/2008
19	55233	LCSW	50 mL	50 mL	3	LCSW		ILMMSW...3	6085	12/24/2008	6/25/2008
20	8171001001	MH2599	50 mL	50 mL	3	SAMPLE	8171001001-A	I54MSW...3	5936	12/15/2008	7/7/2008
21	56433	MH2599L			3	SD		ILMMSW...3	5609	12/15/2008	7/7/2008
22	8171001002	MH25A0	50 mL	50 mL	3	SAMPLE	8171001002-A	I54MSW...3	5936	12/15/2008	7/7/2008
23	8171001004	MH25A2	50 mL	50 mL	3	SAMPLE	8171001004-A	I54MSW...3	5936	12/15/2008	7/7/2008
24	8171001005	MH25A3	50 mL	50 mL	3	SAMPLE	8171001005-A	I54MSW...3	5936	12/15/2008	7/7/2008
25	8171001006	MH25A4	50 mL	50 mL	3	SAMPLE	8171001006-A	I54MSW...3	5936	12/15/2008	7/7/2008
26	8171001007	MH25A6	50 mL	50 mL	3	SAMPLE	8171001007-A	I54MSW...3	5936	12/15/2008	7/7/2008
	*2x for Ca in MS208084										
27	56434	CCV2			3	CCV		ILMMSW...3	5609	1/4/2009	7/7/2008

Pos	Lab ID	Sample ID	Prep Initial	Prep Final	Mx	Type	Container	Procedure	Mgr	Expire Date	Due Date
28	56435	CCB2			3	CCB		ILMMSW...3	5609	1/4/2009	7/7/2008
29	8171001008	MH25A7	50 mL	50 mL	3	SAMPLE	8171001008-A	I54MSW...3	5936	12/15/2008	7/7/2008
30	8171001009	MH25A9	50 mL	50 mL	3	SAMPLE	8171001009-A	I54MSW...3	5936	12/15/2008	7/7/2008
31	8171001010	MH25B0	50 mL	50 mL	3	SAMPLE	8171001010-A	I54MSW...3	5936	12/15/2008	7/7/2008
32	8171001011	MH25B1	50 mL	50 mL	3	SAMPLE	8171001011-A	I54MSW...3	5936	12/15/2008	7/7/2008
33	8171001012	MH25B2	50 mL	50 mL	3	SAMPLE	8171001012-A	I54MSW...3	5936	12/15/2008	7/7/2008
34	56436	CRIF			3	CRI		ILMMSW...3	5609	1/4/2009	7/7/2008
35	56437	CCV3			3	CCV		ILMMSW...3	5609	1/4/2009	7/7/2008
36	56438	CCB3			3	CCB		ILMMSW...3	5609	1/4/2009	7/7/2008
37	8171001013	MH25B3	50 mL	50 mL	3	SAMPLE	8171001013-A	I54MSW...3	5936	12/15/2008	7/7/2008
38	8171001014 *2x for Ca in MS208084*	MH25B4	50 mL	50 mL	3	SAMPLE	8171001014-A	I54MSW...3	5936	12/15/2008	7/7/2008
39	8171001015	MH25B5	50 mL	50 mL	3	SAMPLE	8171001015-A	I54MSW...3	5936	12/15/2008	7/7/2008
40	8171001016	MH25B6	50 mL	50 mL	3	SAMPLE	8171001016-A	I54MSW...3	5936	12/15/2008	7/7/2008
41	8171001017	MH25B7	50 mL	50 mL	3	SAMPLE	8171001017-A	I54MSW...3	5936	12/15/2008	7/7/2008
42	8171001018	MH25B8	50 mL	50 mL	3	SAMPLE	8171001018-A	I54MSW...3	5936	12/15/2008	7/7/2008
43	8171001019	MH25C0	50 mL	50 mL	3	SAMPLE	8171001019-A	I54MSW...3	5936	12/15/2008	7/7/2008
44	8171001020 *2x for Ca and Zn in MS208084*	MH25C4	50 mL	50 mL	3	SAMPLE	8171001020-A	I54MSW...3	5936	12/15/2008	7/7/2008
45	56439	CCV4			3	CCV		ILMMSW...3	5609	1/4/2009	7/7/2008
46	56440	CCB4			3	CCB		ILMMSW...3	5609	1/4/2009	7/7/2008
47	56441	CRIF2			3	CRI		ILMMSW...3	5609	1/4/2009	7/7/2008
48	56442	CCV5			3	CCV		ILMMSW...3	5609	1/4/2009	7/7/2008
49	56443	CCB5			3	CCB		ILMMSW...3	5609	1/4/2009	7/7/2008

Batch Worklist

DATA CHEM LABORATORIES, INC.

Batch EMS/ 1248 **Created** 6/27/2008 07:37 **HBN** 17134

Rule ILM ICP-MS HW3 Prep **Analyst** R. Aullman **Status** NA

Workorder 8171001 **CASE** 37402 **SDG** MH2599 **MODN** 1554.1

Pos	Lab ID	Sample ID	Prep Initial	Prep Final	Mx	Type	Container	Procedure	Mgr	Expire Date	Due Date
1	55232	PBW			3	PBW		ILMMSW..3P	6085	12/24/2008	6/24/2008
2	55233	LCSW			3	LCSW		ILMMSW..3P	6085	12/24/2008	6/24/2008
3	8171001001	MH2599			3	SAMPLE	8171001001-A	I54MSW..3P	5936	12/15/2008	6/24/2008
4	8171001002	MH25A0			3	SAMPLE	8171001002-A	I54MSW..3P	5936	12/15/2008	6/24/2008
5	8171001004	MH25A2			3	SAMPLE	8171001004-A	I54MSW..3P	5936	12/15/2008	6/24/2008
6	8171001005	MH25A3			3	SAMPLE	8171001005-A	I54MSW..3P	5936	12/15/2008	6/24/2008
7	8171001006	MH25A4			3	SAMPLE	8171001006-A	I54MSW..3P	5936	12/15/2008	6/24/2008
8	8171001007	MH25A6			3	SAMPLE	8171001007-A	I54MSW..3P	5936	12/15/2008	6/24/2008
9	8171001008	MH25A7			3	SAMPLE	8171001008-A	I54MSW..3P	5936	12/15/2008	6/24/2008
10	8171001009	MH25A9			3	SAMPLE	8171001009-A	I54MSW..3P	5936	12/15/2008	6/24/2008
11	8171001010	MH25B0			3	SAMPLE	8171001010-A	I54MSW..3P	5936	12/15/2008	6/24/2008
12	8171001011	MH25B1			3	SAMPLE	8171001011-A	I54MSW..3P	5936	12/15/2008	6/24/2008
13	8171001012	MH25B2			3	SAMPLE	8171001012-A	I54MSW..3P	5936	12/15/2008	6/24/2008
14	8171001013	MH25B3			3	SAMPLE	8171001013-A	I54MSW..3P	5936	12/15/2008	6/24/2008
15	8171001014	MH25B4			3	SAMPLE	8171001014-A	I54MSW..3P	5936	12/15/2008	6/24/2008
16	8171001015	MH25B5			3	SAMPLE	8171001015-A	I54MSW..3P	5936	12/15/2008	6/24/2008
17	8171001016	MH25B6			3	SAMPLE	8171001016-A	I54MSW..3P	5936	12/15/2008	6/24/2008
18	8171001017	MH25B7			3	SAMPLE	8171001017-A	I54MSW..3P	5936	12/15/2008	6/24/2008
19	8171001018	MH25B8			3	SAMPLE	8171001018-A	I54MSW..3P	5936	12/15/2008	6/24/2008
20	8171001019	MH25C0			3	SAMPLE	8171001019-A	I54MSW..3P	5936	12/15/2008	6/24/2008
21	8171001020	MH25C4			3	SAMPLE	8171001020-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	Prep Group #
8171001	MH2599, A0,2-4,6,7,9, B0-8, C0,4	ICP-MS	8201	EMS/1248

Hood: ICP-MS#3
Micro: NA ↓
SDG: MH2599
Case: 37402
Sample Description (Bk/Pg): water 339/118

6/27/08 RKA

QC INFORMATION (All QC's prepared using same method as samples)

DCL QC ID	Matrix source	Spike source ID (include Bk/Pg)	Pipet ID	Spike Vol
PBW	ASTM Type II H_2O	NA	NA	NA
LCSW	↓	IP-PS-07-023 (2261/91)	2163121	1mL

6/27/08 RKA

QC's spiked by: RKA Witness: NA

METHOD INFORMATION

Method reagents/Lots ID's: 6/27/08 RKA
1mL of 1:1 HNO_3 / 1207010 Pipette: 2163121
MS-08-154 (4184/37)
0.5mL of 1:1 HCl / 4207040 pipette: 279094
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.

6/26/08 1700 [signature] Retrieved samples from R-33-1 and allowed them to come to room temperature overnight. 6/26/08 17:30 [signature] 6/27/08 07:30 [signature] Rinsed digestion tubes and labelled them. Poured 50mL aliquots of each sample into digestion tubes. Added 1mL 1:1 HNO_3 and 0.5mL 1:1 HCl to each sample. Spiked the LCSW as per above. Rinsed watchglasses and capped tubes. Samples were put into hotblock @ 9:10. Temperature was checked @ 10:15 with thermometer ICP/MS#2 and found to be 94.4°C. Samples were reduced to ~20mL and removed from hotblock with the last sample out at 14:23. Watchglasses were replaced by rinsed screwcaps. Samples were put back in hotblock to reflux until 15:03. Samples were allowed to cool, then diluted to 50mL with ASTM Type II H_2O and shaken. 6/27/08 15:45 [signature]

METHOD/DCL SOP USED (Include revision): IVM05.4 HW3 CONTINUED ON PAGE #: 118

Preparer Signature/Date: [signature] 6/27/08

Reviewer Signature/Date: [signature] 06/27/08

From Page No. 90

DCL Solution #	Analytes	Concentration	Vendor	Lot #	Date Rec'd.	Date Opened	Date Expires	Init.
(UPP-SPK-1) IP-PS-07-013/14	Al, Ba / Fe	2,000 ug/mL / 1,000 ug/mL	Inorganic Ventures	Z-MEB194075	03/07/07	03/07/07	04/01/08	KE
775 (03/07/08)	Co, Mn, Ni, V, Zn	500 ug/mL	↓	↓	↓	↓	↓	↓
↓	Cu / Cr3	250 ug/mL / 200 ug/mL						
	Ag, Be	50 ug/mL						
(UPP-SPK-S1) IP-PS-07-015	Sb / Cd, Se, Tl	100 ug/mL / 50 ug/mL	Inorganic Ventures	Z-CICP18071	03/07/07	03/07/07	04/01/08	KE
776 ↓	As / Pb	40 ug/mL / 20 ug/mL	↓	↓	↓	↓	↓	↓
CRI 3.4 IP-P3-07-016	Ba / Se, V	10 ug/mL / 5 ug/mL	Inorganic Ventures	A2-MEB194150	03/28/07	03/29/07	05/01/08	KB
↓	Cr3, Cu, Sb, Zn	2 ug/mL	↓	↓	↓	↓	↓	↓
	Ag, As, Be, Cd, Co, Mn,	1 ug/mL						
ISS	Ni, Pb, Tl	↓						
IP-PS-07-017	Bi, Ho, In, 6Li, Rh, Sc, Tb, Y	10 ug/mL	Inorganic Ventures	Z-MEB194055	03/28/07	03/29/07	05/01/08	KB
IS0 IP-P3-07-018	Bi, Ho, In, 6Li, Rh, Sc, Tb, Y	10 ug/mL	Inorganic Ventures	Z-MEB194055	03/28/07	03/29/07	05/01/08	KB
IP-PS-07-019	Se Al, Ca / As, Fe, Pb, Mg, Ni, Na	1000 ug/mL / 500 ug/mL	CPI	07C089	04/01/07	04/18/07	04/08/08	KE
↓	Ba, Be, Cr, Co, Li, Mn, Mo, Sr,	200 ug/mL	↓	↓	↓	↓	↓	↓
	Ti, V, Y, Zn, Zr, Cu	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	100 ug/mL						
	V, Zn, Sr, Li	↓						
IP-PS-07-021	Sb, Mo, Sn, Ti, Si	400 ug/mL, 100 ug/mL	CPI	07C088	04/01/07	04/18/07	09/08/08	KE
IP-P3-07-022	ICV-1	See facing page	EPA/QATS	ICV-1 (1201)	04/18/07		NA	KB
IP-PS-07-023	See facing Page	↓	↓	↓	↓		↓	↓
IP-P3-07-024	↓							
IP-PS-07-025	ICSA (ICP-MS)	See facing page	EPA/QATS	ICSA (0803)	04/18/07	09/23/07 01/17/08	NA	KB
IP-PS-07-026	See facing page	↓	↓	↓	↓	↓	↓	↓
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-P3-07-033	↓	↓	↓	↓	↓		↓	↓
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	~~09/10/08~~ 10/04/08	KE

To Page No. 92

Witnessed & Understood by me, Kristie Bettin — Date 04/20/07

Invented by — Date

Recorded by — 04/20/07

Facing Page 91

QATS INORGANIC REFERENCE MATERIAL
INITIAL CALIBRATION VERIFICATION SOLUTIONS
(ICVs)

ICV-1 (1201):		
Element	Concentration (µg/L) (after 10-fold dilution)	Concentration (µg/L) (after 50-fold dilution)
Al	2482	496
Sb	992	198
As	996	199
Ba	502	100
Be	493	99
Cd	494	99
Ca	10180	2036
Cr	490	98
Co	496	99
Cu	490	98
Fe	5107	1021
Pb	996	199
Mg	6003	1201
Mn	495	99
Ni	492	98
K	10008	2002
Se	1005	201
Ag	495	99
Na	10039	2008
Tl	1027	205
V	501	100
Zn	1000	200

KB 4/19/07

QATS INORGANIC REFERENCE MATERIAL
INITIAL CALIBRATION VERIFICATION SOLUTIONS
(ICVs)

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP and AA instruments. These solutions may also be used as aqueous Laboratory Control Solutions.

The values for each element in the ICVs are listed below in µg/L (ppb) for the solutions that result after the concentrates have been diluted according to the following instructions:

1. ICV-1 (1201) — For ICP-AES use, dilute the ICV-1 concentrate 10-fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For ICP-MS use, dilute the ICV-1 concentrate 50-fold with 1% (v/v) nitric acid; pipet 2 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

2. ICV-2 (0601) -- For furnace AA use, dilute the ICV-2 concentrate 20-fold with 2% (v/v) nitric acid; pipet 5 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

3. ICV-3 (0500) -- For ICP use, dilute the ICV-3 concentrate 10-fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For furnace AA use, dilute the ICV-3 concentrate 100-fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

KB 4/19/07

4. ICV-4 (0499) -- For the furnace AA determination of lead and thallium, dilute the ICV-4 concentrate 10-fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For the furnace AA determination of silver and cadmium, dilute the ICV-4 concentrate 100-fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

5. ICV-5 (1104) -- For the cold vapor analysis of mercury by AA, dilute the ICV-5 concentrate 100-fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV-5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.

6. ICV-6 (0400) -- For the analysis of cyanide, dilute the ICV-6 concentrate 100-fold with Type II water; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

QATS INORGANIC REFERENCE MATERIAL
INTERFERENCE CHECK SAMPLE FOR ICP-MS
PART A (0803) WITH PART B (0803)

Part A (0803), Inferferents: Pipet 10 mL of the Part A solution into a 100-mL volumetric flask and dilute to volume with 1% v/v HNO3. Analyze this solution, Soln. A, by ICP-MS.

Part B (0803), Analytes, mixed with Part A (0803), Interferents: Pipet 10 mL of the Part A solution and 10 mL of the Part B solution into a 100-mL volumetric flask and dilute to volume with 1% v/v HNO3. Analyze this solution, Soln. AB, by ICP-MS.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS PART A (0803) AND PART A (0803) MIXED WITH PART B (0803)

Element	Concentration (µg/L) Part A	Concentration (µg/L) Part A + Part B
Al	[100000]	[100000]
Sb	(1.5)	22
As	(0.1)	19
Ba	(1.2)	22
Be	(0)	19
Cd	(0.7)	20
Ca	[100000]	[100000]
C	[200000]	[200000]
Cl	[1000000]	[1000000]
Cr	21	40
Co	1	20
Cu	8	25
Fe	[100000]	[100000]
Pb	4	25
Mg	[100000]	[100000]
Mn	7	27
Mo	[2000]	[2000]
Ni	6	24
P	[100000]	[100000]
K	[100000]	[100000]
Se	(0.3)	19
Ag	(0)	18
Na	[100000]	[100000]
S	[100000]	[100000]
Tl	(0)	21
Ti	[2000]	[2000]
V	(0.5)	19
Zn	11	29

KB 04/19/07

[ ] INDICATES ANALYTES THAT DO NOT REQUIRE ICP-MS DETERMINATION IN THE ICS.
( ) INDICATES ANALYTE VALUES THAT ARE LESS THAN THE CRQL AND THE VALUE IS TO BE USED AS A SET POINT FOR THE ± 3 TIMES CRQL ACCEPTANCE CRITERIA CALCULATIONS.

Project No. n/a

TITLE DATACHEM LABORATORIES - ANALYSIS WRITE-UPS LOG BOOK Book No. 4706

From Page No. X

Results File: MS208083

MOD# 1554.1

Workorder ID	Sample #'s	Analytes	Prep Write-up(Bk./Pg.)	Prep Date/Time	Analysis HBN #	Account #
8171001	MH2599,A0,A2-A4,A6,A7,A9,B0-B8, C0,C4	#1/Water	ISP 389/0117,118	06/26/08 17:00	17457	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-08-177	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-08-176	4184/37
Rinse	MS-08-175	4184/37

SDG: MH2599
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:	47.5		
Hexapole Bias:	4.5	D2:	-160		
Nebuliser:	0.74	DA:	-80.0		
Sample Depth:	105	Cool:	13.0		
		Auxiliary:	0.80		

Comments: S2 was prepared by taking 9.6 mL of MS-08-169 (4184/37) and adding 0.4 mL of EI-SS-08-140 (4721/40) and mixing in a 14 mL Falcon tube.
S5 was prepared by taking 9.0 mL of MS-08-169 (4184/37) and adding 1.0 mL of EI-SS-08-140 (4721/40) and mixing in a 14 mL Falcon tube.
S10 was prepared by taking 8.0 mL of MS-08-169 (4184/37) and adding 2.0 mL of EI-SS-08-140 (4721/40) and mixing in a 14 mL Falcon tube.
The S2, S5 and S10 were all prepared just prior to analysis and expire at the end of the next day.

A Cross Calibration was performed using solution MS-08-165 (4184/37), before the performance report.
A Performance report was done to tune the instrument using "ILM05.3" and solution MS-08-178 (4184/37), before calibration.

A Serial Diluton was done by combining 4 mL of MS-08-169 (4184/37) and 1 mL of MH2599 in a 14 mL Falcon Tube.
No Matrix Duplicate or Matrix Spike was done, due to lack of sample volume.

Samples MH25A4 and MH25B4 require 2x dilutions for 44Ca, due to results above the linear range. Refer to RUN # MS208084 for these reported dilutions.
Sample MH25C4 require a 2x dilution for 44Ca and 66Zn, due to results above the linear ranges. Refer to RUN # MS208084 for this reported dilution.

NE 07/08/08

NE 07/08/08

To Page No. X

Witnessed & Understood by me,	Date	Invented by:	Date
Kristie - Beth	07/09/08	Recorded by:	07/08/09

Project No. N/A

TITLE Datachem Laboratories - Analysis Write-ups Logbook Book No. 4706

From Page No. X

Results File: MS208084

MOD# 1554:1

Workorder ID	Sample #'s	Analytes	Prep Write-up(Bk./Pg.)	Prep Date/Time	Analysis HBN #	Account #
8171001	MH255A4, B4, C4	#1/Water	ISP 339/0117,118	06/26/08 17:00	17457	8201

#1 = 44Ca, 66Zn

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-08-181	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-08-176	4184/37
Rinse	MS-08-175	4184/37

SDG: MH2599
CASE: 37402
Prep Method: HW3
Analysis Method: ILM05.4
Analysis Date: 07/08/08
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: S2 was prepared by taking 9.6 mL of MS-08-169 (4184/37) and adding 0.4 mL of EI-SS-08-140 (4721/40) and mixing in a 14 mL Falcon tube.
S5 was prepared by taking 9.0 mL of MS-08-169 (4184/37) and adding 1.0 mL of EI-SS-08-140 (4721/40) and mixing in a 14 mL Falcon tube.
S10 was prepared by taking 8.0 mL of MS-08-169 (4184/37) and adding 2.0 mL of EI-SS-08-140 (4721/40) and mixing in a 14 mL Falcon tube.
The S2, S5 and S10 were all prepared just prior to analysis and expire at the end of the next day.

A Cross Calibration was performed using solution MS-08-165 (4184/37), before the performance report.
A Performance report was done to tune the instrument using "ILM05.3" and solution MS-08-178 (4184/37), before calibration.

Samples MH25A4 and MH25B4 required 2x dilutions for 44Ca.
Sample MH25C4 required a 2x dilution for 44Ca and 66Zn.
The 2x diluuons were done by combining 3 mL of MS-08-169 (4184/37) and 3 mL of sample in a 14 mL Falcon Tube.

KE 07/08/08

KE 07/08/08

To Page No. X

Witnessed & Understood by me, Kristie Boston Date 07/09/08

Invented by: Date 07/08/08

Recorded by:

Project No. 3114

TITLE DATACHEM LABORATORIES – ANALYSIS UNDER UPS LOGBOOK Book No. 4706

From Page No. Y

Results File: MS208087

Workorder ID	Sample #'s	Analytes	Prep Write-up(Bk./Pg.)	Prep Date/Time	Analysis HBN #	Account #
8172020	MA2H15	55Mn/Water	ISP 339/0129, 130	07/01/08 07:30	17534	8201
8172021	MA2GY6,H00, H01, H03	55Mn/Water	ISP 339/0129, 130	07/01/08 07:30	17534	8201
8171001	MH25A6	44Ca/Water	ISP 339/0117,118	06/26/08 17:00	17457	8201

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-08-186	4184/37
ICSA	EI-SS-08-145	4721/45
ICSAB	EI-SS-08-146	4721/46
CCV	EI-SS-08-151	4721/51
Internal Standards	MS-08-180	4184/37
Rinse	MS-08-179	4184/37

SDG: MA2GY0 and MH2599
CASE: 37560 and 37402
Prep Method: HW3
Analysis Method: ILM05.4
Analysis Date: 07/09/08
Instrument ID: ICPM02

Scanning Mode: Peak Jumping
Sweeps: 40
Channels per Mass: 1
Acquisition Duration: 33467
Channel Spacing: 0.02
Replicates: 5

Instrument Parameters:

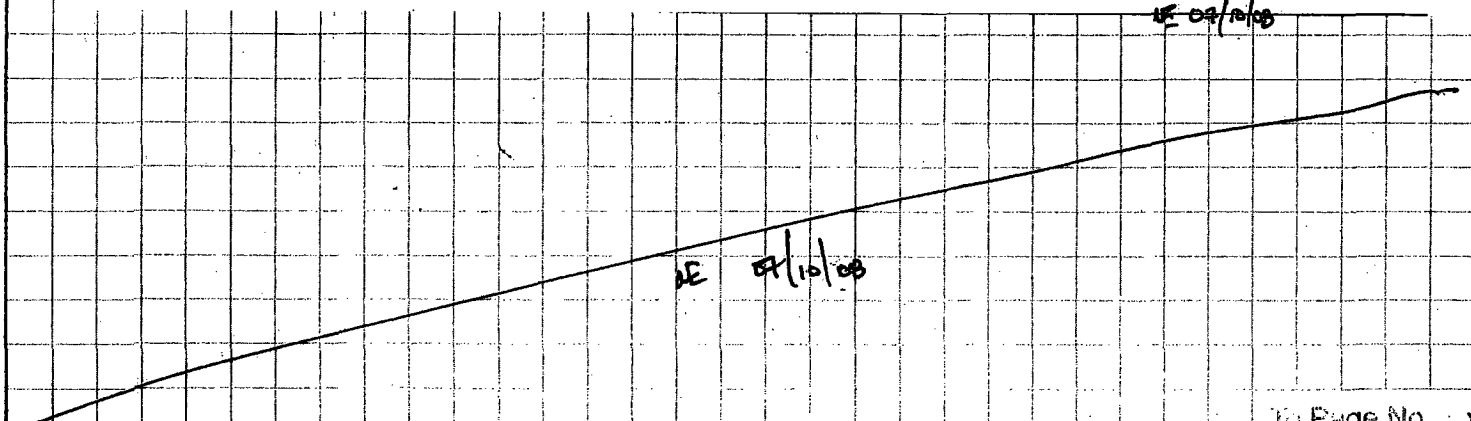
Major		Minor		Global	
Extraction:	-145	Lens 2:	-44.7	Standard Resolution:	155
Lens 1:	2.9	Lens 3:	-142.7	High Resolution:	115
Focus:	24.1	Forward Power:	1404	Analogue Detector:	1549
D1:	-34.5	Horizontal:	100	PC Detector:	3020
Pole Bias:	2.5	Vertical:	475		
Hexapole Bias:	4.5	D2:	-160		
Nebuliser:	0.74	DA:	-80.0		
Sample Depth:	10.5	Cool:	13.0		
		Auxiliary:	0.80		

Comments: S2 was prepared by taking 9.6 mL of MS-08-169 (4184/37) and adding 0.4 mL of EI-SS-08-140 (4721/40) and mixing in a 14 mL Falcon tube.
S5 was prepared by taking 9.0 mL of MS-08-169 (4184/37) and adding 1.0 mL of EI-SS-08-140 (4721/40) and mixing in a 14 mL Falcon tube.
S10 was prepared by taking 8.0 mL of MS-08-169 (4184/37) and adding 2.0 mL of EI-SS-08-140 (4721/40) and mixing in a 14 mL Falcon tube.
The S2, S5 and S10 were all prepared just prior to analysis and expire at the end of the next day.

A Cross Calibration was performed using solution MS-08-184 (4184/37), before the performance report.
A Performance report was done to tune the instrument using "ILM05.3" and solution MS-08-185 (4184/37), before calibration.

Samples MA2H15, MA2GY6, MA2H00, MA2H01 and MA2H03 required a 2x dilutions for 55Mn, due to results above the linear ranges.
Sample MG25A6 required a 2x dilution for 44Ca, due to results above the linear range.
The 2x dilution was done by combining 3 mL of MS-08-169 (4184/37) and 3 mL of sample in a 14 mL Falcon Tube.

KE 07/10/08



KE 07/10/08

To Page No. X

Witnessed & Understood by me, Kristie Bitter Date 07/10/08

Invented by Recorded by Date 07/10/08

Project No. N/A

TITLE Datachem Laboratories - ICPMS2 Instrument Run Logbook Book No. 4183

From Page No. 17

Date	Time On	Time Off	Total Time	Method	Matrix	Acct #	Set ID's / Comments	# of Samples	Run #	Init.
07/07/08	16:11	21:56	345 MIN	ILM05.4	WATER	B201	B171027 MOD 1554.1 MH2697	20	MS208082	AE
07/07/08	23:21	04:23	302 MIN	ILM05.4	WATER	B201	B171001 MOD 1554.1 MH2599	19	MS208083	AE
07/08/08	09:52	11:58	126 MIN	ILM05.4	WATER	B201	B171001 Cd, Zn DILUTIONS MH2599	3	MS208084	AE
07/08/08	15:55	20:55	300 MIN	ILM05.4	WATER	B201	B172023, B172024 MA2G1W6	17	MS208085	AE
07/08/08	21:20	01:23	243 MIN	ILM 05.4	WATER	B201	B172020, B172021, B176116 MA2GY10	15	MS208086	AE
07/09/08	15:07	17:06	119 MIN	ILM 05.4	WATER	B201	Cd + Mn DILUTIONS	6	MS208087	AE
07/09/08	17:46	22:11	265 MIN	ILM05.4	WATER	B201	B176115 MA2GT7	18	MS208088	AE
07/09/08	22:57	04:52							MS208089	
07/10/08	12:40	16:56		ILM05.4	Water	B201	B171038, B171039, B171020 MH2568, MH2565, MH2588,	7	MS208090	KB

To Page No.

Witnessed & Understood by me, Date

Invented by Date

Recorded by

Project No. NA

TITLE Datachem Laboratories - ICP-MS solutions Log book

Book No. 4184

From Page No. 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	NE	N/A
↓	MS-08-157	Rinse 2%/0.05%	N/A	12/26/08	1	HNO_3-1207120 HCl-4207040	NE	N/A
↓	MS-08-158	VARTUNE	IP-PS-08-07-115 (2261/94) 06/26/08	12/26/08	1	HNO_3-1207120	NE	N/A
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	$0 Urine	UriSub Lot # U5082004Z	12/27/08	2	HNO_3-1207120	KB	NA
07/01/08	MS-08-161	1% HNO_3	NA	01/01/09	2	HNO_3-1207120	KB	NA
07/01/08	MS-08-162	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%	N/A	01/01/09	1	HNO_3-1207120 HCl-4207040	NE	N/A
07/01/08	MS-08-165	X-CAL	IP-PS-07-107 (2261/94)	01/01/09	2	HNO_3-1207120	NE	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	NE	N/A
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	N/A	01/02/09	2	HNO_3-1207120	NE	N/A
07/02/08	MS-08-170	5.4 CRI	IP-PS-08-041 (2261/98)	07/03/08	2	HNO_3-1207120	NE	N/A
07/03/08	MS-08-171	5.4 CRI	IP-PS-08-041 (2261/98)	07/04/08	2	HNO_3-1207120	KB	NA
07/04/08	MS-08-172	5.4 CRI	IP-PS-08-041 (2261/98)	07/05/08	2	HNO_3-1207120	KB	NA
07/07/08	MS-08-173	Var Tune	IP-PS-07-115 (2261/94)	01/07/09	1	HNO_3-1207120	KB	NA
07/07/08	MS-08-174	Rinse 2%/0.05%	NA	01/07/09	1	HNO_3-1207120 HCl-4207040	KB	NA
07/07/08	MS-08-175	Rinse 2%/0.05%	NA	01/07/09	1	HNO_3-1207120 HCl-4207040	KB	NA
07/07/08	MS-08-176	Var IS	IP-PS-08-024 (2261/97)	01/07/09	1	HNO_3-1207120	KB	NA
07/07/08	MS-08-177	5.4 CRI	IP-PS-08-041 (2261/98)	07/08/08	2	HNO_3-1207120	KB	NA
07/08/08	MS-08-178	Var Tune	IP-PS-07-115 (2261/94)	01/08/08	1	HNO_3-1207120	KB	NA
07/08/08	MS-08-179	Rinse 2%/0.05%	NA	01/08/08	1	HNO_3-1207120 HCl-4207040	KB	NA
07/08/08	MS-08-180	Var IS	IP-PS-08-024 (2261/97)	01/08/08	1	HNO_3-1208030	KB	NA
07/08/08	MS-08-181	5.4 CRI	IP-PS-08-041 (2261/98)	07/09/08	2	HNO_3-1208030	NE	N/A

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 ug/mL Ba; 5 ug/mL Se; 2 ug/mL Sb, Cr, Cu, Zn; 1 ug/mL Ag, As, Be, Cd, Co, Mn, Pb, Ni, Tl, V. SPIKE 0.05 mL TO A 50 mL TEFLON CLASS A FLASK, CONTAINING SOME ASTM TYPE II H_2O WITH 0.5mL OF HNO_3. BRING TO VOLUME WITH ASTM TYPE II H_2O. SEAL + SHAKE FLASK.
FINAL TARGETS: 10 ug/L Ba, 5 ug/L Se; 2 ug/L Sb, Cr, Cu, Zn; 1 ug/L Ag, As, Be, Cd, Co, Mn, Pb, Ni, Tl, V IN 1% HNO_3

VARIAN TUNE = SPIKE 0.5 mL OF "VAR-TS-MS" PRIMARY CONTAINING 10 ug/mL Ba, Be, Ce, Co, In, Pb, Mg, Tl, Th AND 0.5mL OF HNO_3 TO A 50 mL FLASK CONTAINING SOME ASTM TYPE II H_2O. BRING TO VOLUME WITH ASTM TYPE II H_2O. SEAL + SHAKE.
FINAL TARGETS: 100 ug/L Ba, Be, Ce, Co, In, Pb, Mg, Tl, Th in 1% HNO_3.

6020 TUNE = SPIKE 0.5 mL OF "6020TS" PRIMARY CONTAINING 10 ug/mL Co, In, Li, Tl AND 0.5mL OF HNO_3 TO A 50 mL FLASK CONTAINING SOME ASTM TYPE II H_2O. BRING TO VOLUME WITH ASTM TYPE II H_2O. SEAL + SHAKE.
FINAL TARGETS: 100 ug/L Co, In, Li, Tl in 1% HNO_3.

TUNE A = SPIKE 0.05 AE 4/13/04 0.5 mL OF "TUNE A" PRIMARY, CONTAINING 10 ug/mL OF Li, Be, Co, Ni, In, Ba, Ce, Pb, U + 100 ug/mL OF As, Se, AND 0.5mL OF HNO_3 TO A 50 mL CONTAINING SOME ASTM TYPE II H_2O. BRING TO VOLUME WITH ASTM TYPE II H_2O. SEAL + SHAKE.
FINAL TARGETS: 10 ug/L Li, Be, Co, Ni, In, Ba, Be, Ce, Pb, U; 100 ug/L As, Se.

TUNE B = SPIKE 0.5mL OF "TUNE B" PRIMARY, CONTAINING 100 ug/mL Be; 50 ug/mL Li; 25 ug/mL Mg, Se; 20 ug/mL Co; 10 ug/mL Y, In, Ce, Tl; 5 ug/mL Tb, U; AND 0.5 mL OF HNO_3 TO A 50mL FLASK. BRING TO VOLUME. SEAL + SHAKE.
FINAL TARGETS: 1000 ug/L Be; 500 ug/L Li; 250 ug/L Mg, Sc; 200 ug/L Co; 100 ug/L Y, In, Ce, Tl; 50 ug/L Tb, U in 1% HNO_3.

VAR IS = SPIKE 40 mL OF "6020ISS" PRIMARY, CONTAINING 10 ug/mL Bi, Ho, In, ^{6}Li; Rh, Sc, Tb, Y AND 20 mL OF HNO_3 TO A 2L CONTAINER CONTAINING SOME ASTM TYPE II H_2O. BRING TO VOLUME. SEAL + SHAKE.
FINAL TARGETS: 200 ug/L Bi, Ho, In, ^{6}Li; Rh, Sc, Tb, Y IN 1% HNO_3.

THERMO IS = SPIKE 4mL OF "THERMO IS MIX" PRIMARY, CONTAINING 100 mg/L ^{6}Li; Sc; 20 mg/L Ga, Y, In, Tb, Bi AND 20mL OF HNO_3 TO A 2L CONTAINER CONTAINING SOM ASTM TYPE II H_2O. BRING TO VOLUME. SEAL + SHAKE.
FINAL TARGETS: 200 ug/L ^{6}Li; Sc; 40 ug/L Ga, Y, In, Tb, Bi in 1% HNO_3.

2%/0.05% = ADD 40 AE 4/13/04 40 mL OF HNO_3 AND 1mL OF HCl or 2mL OF 1:1 HCl TO A 2L CONTAINER. BRING TO VOLUME, SEAL + SHAKE.
RINSE FINAL TARGETS: 2% HNO_3/0.05% HCl

5%/1% = ADD 100 mL OF HNO_3 AND 20mL OF HCl TO A 2L CONTAINER. BRING TO VOLUME. SEAL + SHAKE.
FINAL TARGETS: 5% HNO_3/1% HCl.

To Page No. 2

Witnessed & Understood by me,	Date	Invented by	Date
Kristie Bettini	01/24/05	Recorded by	01/24/05

From Page No. X

RECIPES

THERMO 6020 ICSA = ADD 1mL OF ICSA PRIMARY TO 9mL OF 1% HNO_3 + MIX.

THERMO 6020 ICSAB = ADD/mL 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 0.5mL OF HNO_3 TO A 50mL FLASK CONTAINING SOME ASTM TYPE II H_2O. BRING TO VOLUME, STOPPER + SHAKE. ALL MASSES AT 250 mg/L AT FINAL.

1% HNO_3 = ADD 10 mL OF HNO_3 TO A 1L FLASK CONTAINING SOME ASTM TYPE II H_2O. BRING TO VOLUME WITH MORE ASTM TYPE II H_2O. SEAL + SHAKE. USED FOR BO, ICB, CCB + DILUTIONS.

1:4 HCl = Add 200 mL HCl to 1 L container with some ASTM Type II H_2O. Bring to volume with more ASTM Type II H_2O. Seal + Shake. Used for sample preparation, soils.

1:1 HCl = Add 500 mL ASTM Type II H_2O to 1L container. Add 500 mL Hcl to container, cap and mix by shaking. Used for sample preparation.

1:1 HNO_3 = Add 500 mL ASTM Type II H_2O to 1L container. Add 500 mL HNO_3 to container, seal and shake to mix. Used for sample preparation.

10/21/06
2% HNO_3 with Au Add 20 mL of HNO_3 to 1L container with some ASTM Type II H_2O in it. Add 1mL of 1:1 HCl and 10 mL of 100ug/mL Au. Bring to 1L volume, cap + shake. Use for Hg analysis

BO-Urine = To a 500 mL volumetric flask containing ~250 mL of ASTM Type II Water add 50 mL of UriSub and 5mL 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 10ug/mL Ba; 5ug/mL Se, V; 2ug/mL Cr3, Cu, Sb, Zn; 1ug/mL Ag, As, Be, Cd, Co, Mn, Ni, Pb, Tl. Spike 0.05 mL to a 50 mL Teflon class A flask, containing some ASTM Type II H_2O with 0.5mL of HNO_3. Bring to volume with ASTM Type II H_2O, Seal + Shake. Final Targets: 10ug/L B; 5ug/L Se, V; 2ug/L Cr3, Cu, Sb, Zn; 1ug/L Ag, As, Be, Cd, Co, Mn, Ni, Pb, Tl.

To Page No. X

Witnessed & Understood by me,	Date	Invented by	Date
		Recorded by	

Project No. —
TITLE Datachem Laboratories - Secondary Standards Log book — Book No. 4721

From Page No. X

ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-140	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

To Page No. X

Witnessed & Understood by me,	Date	Invented by:	Date
	07/02/08	Recorded by: Kristie Bates	07/02/08

Project No. ___

TITLE DataChem Laboratories-Secondary Standards Log book Book No. 4721

From Page No. x

ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-141	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

To Page No. x

Witnessed & Understood by me,	Date	Invented by:	Date
	07/02/08	Recorded by: Kristie Bates	07/02/08

Project No. NA

TITLE DataChem Laboratories - Secondary Standards Logbook Book No. 4721

From Page No. x

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

To Page No. x

Witnessed & Understood by me, | Date 07/02/08 | Invented by: | Recorded by: Kristie Sutton | Date 07/02/08

Project No. 4721

TITLE DataChem Laboratories - Secondary Standards Logbook

Book No.

From Page No. x

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

To Page No. x

Witnessed & Understood by me,	Date	Invented by:	Date
	07/02/08	Recorded by: Kristie Bates	07/02/08

Project No. ll

TITLE DataChem Laboratories - secondary Standards Logbook Book No. 4721

From Page No. x

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				
Ba				
Be				
Cd				
Ca	IP-PS-07-055 (2261/92)	10,000 µg/mL	0.015 mL	1500 µg/L
Cr				
Co				
Cu				
Fe	IP-PS-07-060 (2261/92)	10,000 µg/mL	0.015 mL	1500 µg/L
Pb				
Mg	IP-PS-07-063 (2261/92)	10,000 µg/mL	0.015 mL	1500 µg/L
Mn				
Ni				
K				
Se				
Ag				
Na				
Tl				
V				
Zn				
			FINAL VOL.:	100 mL

KB 7/2/08

KB 7/2/08

KB 7/2/08

Date Made: 07/02/2008
Expiration date: 07/16/2008
Date verified:
Verified by:
Comments: None.
Solution Replaces: N/A

Verification data found in File#:
Verification instrument: ICPM02
Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

KB 07/02/08

CALIBRATED MICROPIPETTORS, CLASS A PIPETTES AND VOLUMETRIC FLASKS WERE USED TO MAKE THIS SOLUTION.

VOLUMES OF PRIMARY SOLUTIONS WERE TAKEN TO THE FINAL VOLUME IN THE MATRIX ABOVE.

CALCULATION: {(FINAL VOL.) * (FINAL VOL. CONC.)} / CONC. OF PRIMARY = VOL. OF PRIMARY SOLUTION USED

To Page No. x

Witnessed & Understood by me,	Date	Invented by:	Date
	07/02/08	Recorded by: Kristie Bates	07/02/08

Project No. N/A

TITLE DataChem Laboratories - Secondary Standards Logbook Book No. 4721

From Page No. x

ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-149	ILM05.4 S2000

This format is used to make a secondary solution from a raw chemical or purchased solution only.

Analyte	PRIMARY ID# (INCLUDING BOOK/PG.)	PRIMARY CONC.	VOLUME OF PRIMARY	FINAL CONC.
Al				
Sb				
As		KB 7/2/08		
Ba				
Be				
Cd				
Ca	IP-PS-07-055 (2261/92)	10,000 µg/mL	0.020 mL	2000 µg/L
Cr				
Co		KB 7/2/08		
Cu				
Fe	IP-PS-07-060 (2261/92)	10,000 µg/mL	0.020 mL	2000 µg/L
Pb		KB 7/2/08		
Mg	IP-PS-07-063 (2261/92)	10,000 µg/mL	0.020 mL	2000 µg/L
Mn				
Ni				
K				
Se				
Ag				
Na		KB 7/2/08		
Tl				
V				
Zn				

FINAL VOL.: 100 mL

Date Made: 07/02/2008
Expiration date: 07/16/2008
Date verified:
Verified by:
Comments: None.
Solution Replaces: N/A

Verification data found in File#:
Verification instrument: ICPM02
Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

KB 07/02/08

CALIBRATED MICROPIPETTORS, CLASS A PIPETTES AND VOLUMETRIC FLASKS WERE USED TO MAKE THIS SOLUTION.

VOLUMES OF PRIMARY SOLUTIONS WERE TAKEN TO THE FINAL VOLUME IN THE MATRIX ABOVE.

CALCULATION: ((FINAL VOL.) * (FINAL VOL. CONC.)) / CONC. OF PRIMARY = VOL. OF PRIMARY SOLUTION USED

To Page No. 1

Witnessed & Understood by me,	Date	Invented by:	Date
[signature]	07/02/08	Recorded by: Kristie Baker	07/02/08

Project No. n/a

TITLE DataChem Laboratories - Secondary Standards Log book Book No. 4721

From Page No. x

ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-144	ILM05.4 ICV

This format is used to make a secondary solution from a raw chemical or purchased solution only.

Analyte	PRIMARY ID# (INCLUDING BOOK/PG.)	PRIMARY CONC.	VOLUME OF PRIMARY	FINAL CONC.
Al	IP-PS-07-023 (2261/91)	24820 µg/L	2 mL	496 ug/L
Sb	IP-PS-07-023 (2261/91)	9920 µg/L	2 mL	198 ug/L
As	IP-PS-07-023 (2261/91)	9960 µg/L	2 mL	199 ug/L
Ba	IP-PS-07-023 (2261/91)	5020 µg/L	2 mL	100 ug/L
Be	IP-PS-07-023 (2261/91)	4930 µg/L	2 mL	99 ug/L
Cd	IP-PS-07-023 (2261/91)	4940 µg/L	2 mL	99 ug/L
Ca	IP-PS-07-023 (2261/91)	101800 µg/L	2 mL	2036 ug/L
Cr	IP-PS-07-023 (2261/91)	4900 µg/L	2 mL	98 ug/L
Co	IP-PS-07-023 (2261/91)	4960 µg/L	2 mL	99 ug/L
Cu	IP-PS-07-023 (2261/91)	4900 µg/L	2 mL	98 ug/L
Fe	IP-PS-07-023 (2261/91)	51070 µg/L	2 mL	1021 ug/L
Pb	IP-PS-07-023 (2261/91)	9960 µg/L	2 mL	199 ug/L
Mg	IP-PS-07-023 (2261/91)	60030 µg/L	2 mL	1201 ug/L
Mn	IP-PS-07-023 (2261/91)	4950 µg/L	2 mL	99 ug/L
Ni	IP-PS-07-023 (2261/91)	4920 µg/L	2 mL	98 ug/L
K	IP-PS-07-023 (2261/91)	100080 µg/L	2 mL	2002 ug/L
Se	IP-PS-07-023 (2261/91)	10050 µg/L	2 mL	201 ug/L
Ag	IP-PS-07-023 (2261/91)	4950 µg/L	2 mL	99 ug/L
Na	IP-PS-07-023 (2261/91)	100390 µg/L	2 mL	2008 ug/L
Tl	IP-PS-07-023 (2261/91)	10270 µg/L	2 mL	205 ug/L
V	IP-PS-07-023 (2261/91)	5010 µg/L	2 mL	100 ug/L
Zn	IP-PS-07-023 (2261/91)	10000 µg/L	2 mL	200 ug/L
			FINAL VOL.:	100 mL

Date Made: 07/01/2008
Expiration date: 07/15/2008
Date verified:
Verified by:
Comments: None.
Solution Replaces: N/A

Verification data found in File#:
Verification instrument: ICPM02
Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

ICV-1 (1201) KB 07/02/08

CALIBRATED MICROPIPETTORS, CLASS A PIPETTES AND VOLUMETRIC FLASKS WERE USED TO MAKE THIS SOLUTION.

VOLUMES OF PRIMARY SOLUTIONS WERE TAKEN TO THE FINAL VOLUME IN THE MATRIX ABOVE.

CALCULATION: ((FINAL VOL.) * (FINAL VOL. CONC.)) / CONC. OF PRIMARY = VOL. OF PRIMARY SOLUTION USED

To Page No. 2

Witnessed & Understood by me,	Date	Invented by:	Date
	07/02/08	Recorded by: Kristie Bitter	07/02/08

Project No. [illegible]

TITLE DataChem Laboratories Secondary Standards Logbook Book No. 4721

From Page No. [illegible]

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. [illegible]

Witnessed & Understood by me, [signature] Date 07/02/08 Invented by: Date 07/02/08

Recorded by: [signature]

Project No. NA

TITLE Data Chem Laboratories - Secondary Standards Logbook Book No. 4721

From Page No. x

ICP-MS SECONDARY SOLUTION

SOLUTION ID:	USED FOR:
EI-SS-08-146	ILM05.4 ICSAB

This format is used to make a secondary solution from a raw chemical or purchased solution only.

Analyte	PRIMARY ID# (INCLUDING BOOK/PG.)	PRIMARY CONC.	VOLUME OF PRIMARY	FINAL CONC.
Al	IP-PS-07-027 (2261/91)	1,000 ug/mL	10 mL	100 mg/L
Ca	IP-PS-07-027 (2261/91)	1,000 ug/mL	10 mL	100 mg/L
Fe	IP-PS-07-027 (2261/91)	1,000 ug/mL	10 mL	100 mg/L
Mg	IP-PS-07-027 (2261/91)	1,000 ug/mL	10 mL	100 mg/L
K	IP-PS-07-027 (2261/91)	1,000 ug/mL	10 mL	100 mg/L
Na	IP-PS-07-027 (2261/91)	1,000 ug/mL	10 mL	100 mg/L
Sb	IP-PS-07-032 (2261/91)	220 ug/L	10 mL	22 ug/L
As	IP-PS-07-032 (2261/91)	190 ug/L	10 mL	19 ug/L
Ba	IP-PS-07-032 (2261/91)	220 ug/L	10 mL	22 ug/L
Be	IP-PS-07-032 (2261/91)	190 ug/L	10 mL	19 ug/L
Cd	IP-PS-07-032 (2261/91)	200 ug/L	10 mL	20 ug/L
Cr	IP-PS-07-032 (2261/91)	400 ug/L	10 mL	40 ug/L
Co	IP-PS-07-032 (2261/91)	200 ug/L	10 mL	20 ug/L
Cu	IP-PS-07-032 (2261/91)	250 ug/L	10 mL	25 ug/L
Pb	IP-PS-07-032 (2261/91)	250 ug/L	10 mL	25 ug/L
Mn	IP-PS-07-032 (2261/91)	270 ug/L	10 mL	27 ug/L
Ni	IP-PS-07-032 (2261/91)	240 ug/L	10 mL	24 ug/L
Se	IP-PS-07-032 (2261/91)	190 ug/L	10 mL	19 ug/L
Ag	IP-PS-07-032 (2261/91)	180 ug/L	10 mL	18 ug/L
Tl	IP-PS-07-032 (2261/91)	210 ug/L	10 mL	21 ug/L
V	IP-PS-07-032 (2261/91)	190 ug/L	10 mL	19 ug/L
Zn	IP-PS-07-032 (2261/91)	290 ug/L	10 mL	29 ug/L
Mo	IP-PS-07-032 (2261/91)	20 ug/mL	10 mL	2,000 ug/L
Ti	IP-PS-07-032 (2261/91)	20 ug/mL	10 mL	2,000 ug/L
			FINAL VOL.:	100 mL

Date Made: 07/01/2008
Expiration date: 07/15/2008
Date verified:
Verified by:
Comments: None.
Solution Replaces: N/A

Verification data found in File#:
Verification instrument: ICPM02
Matrix reagent type: 1% HNO_3 Fisher Lot 1207120

ICS-MS (0803)

KB 07/02/08

CALIBRATED MICROPIPETTORS, CLASS A PIPETTES AND VOLUMETRIC FLASKS WERE USED TO MAKE THIS SOLUTION.

VOLUMES OF PRIMARY SOLUTIONS WERE TAKEN TO THE FINAL VOLUME IN THE MATRIX ABOVE.

CALCULATION: ((FINAL VOL.) * (FINAL VOL. CONC.)) / CONC. OF PRIMARY = VOL. OF PRIMARY SOLUTION USED

To Page No. x

Witnessed & Understood by me,	Date	Invented by:	Date
	07/02/08	Recorded by: Kristie Bitner	07/02/08

Project No. NA

TITLE DataChem Laboratories - Secondary Standards Logbook Book No. 4721

From Page No. x

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	~~1000~~ 250 µg/L KB 7/2/08
Sb	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
As	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Ba	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Be	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Cd	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Ca	IP-PS-07-150 (2261/96) IP-PS-07-104 (2261/94)	20 µg/mL 200 µg/mL	2.5 mL 0.75 mL	1000 µg/L
Cr	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Co	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Cu	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Fe	IP-PS-07-150 (2261/96) IP-PS-07-104 (2261/94)	20 µg/mL 200 µg/mL	2.5 mL 0.75 mL	1000 µg/L
Pb	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Mg	IP-PS-07-150 (2261/96) IP-PS-07-104 (2261/94)	20 µg/mL 200 µg/mL	2.5 mL 0.75 mL	1000 µg/L
Mn	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Ni	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
K	IP-PS-07-150 (2261/96) IP-PS-07-104 (2261/94)	20 µg/mL 200 µg/mL	2.5 mL 0.75 mL	1000 µg/L
Se	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Ag	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Na	IP-PS-07-150 (2261/96) IP-PS-07-104 (2261/94)	20 µg/mL 200 µg/mL	2.5 mL 0.75 mL	1000 µg/L
Tl	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
V	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
Zn	IP-PS-07-150 (2261/96)	20 µg/mL	2.5 mL	250 µg/L
			FINAL VOL.:	200 mL

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
	07/02/08	Recorded by: Kristie Bates	07/02/08

Project No. N/A

TITLE DATA CHEM LABORATORIES - PRIMARY STANDARDS LOGBOOK

Book No. 2261

From Page No. 90

DCL SOLUTION #	ANALYTES	CONCENTRATION	VENDOR	LOT #	DATE RECD.	DATE OPENED	DATE EXPIRES	INIT.
(CLPP-SPK-1) IP-PS-07-013/4 775 NE 03/07/07	Al, Ba / Fe Co, Mn, Ni, V, Zn Cu / Cr3 Ag, Be	2,000 ug/mL / 1,000 ug/mL 500 ug/mL 250 ug/mL / 200 ug/mL 50 ug/mL	INORGANIC VENTURES	Z-MEB194075	03/07/07	03/07/07	04/01/08	NE
(CLPP-SPK-5) IP-PS-07-015 776	Sb / Cd, Se, Tl As / Pb	100 ug/mL / 50 ug/mL 40 ug/mL / 20 ug/mL	INORGANIC VENTURES	Z-CLCP18071	03/07/07	03/07/07	04/01/08	NE
CRI 5.4 IP-PS-07-016	Ba / Se, V Cr3, Cu, Sb, Zn Ag, As, Be, Cd, Co, Mn, Ni, Pb, Tl	10 ug/mL / 5 ug/mL 2 ug/mL 1 ug/mL	Inorganic Ventures	A2-MEB194150	03/28/07	03/29/07	05/01/08	KB
ISS IP-PS-07-017	Bi, Ho, In, Li, Rh, Sc, Tb, Y	10 ug/mL	Inorganic Ventures	Z-MEB194055	03/28/07	03/29/07	05/01/08	KB
ISS IP-PS-07-018	Bi, Ho, In, Li, Rh, Sc, Tb, Y	10 ug/mL	Inorganic Ventures	Z-MEB194055	03/28/07	03/29/07	05/01/08	KB
IP-PS-07-019	Se Al, Ca / As, Fe, Pb, Mg, Ni, Na Ba, Be, Cr, Co, Li, Mn, Mo, Sr, Ti, V, Y, Zn, Zr, Cu	1000 ug/mL / 500 ug/mL 200 ug/mL 200 ug/mL	CPI	07C089	04/01/07	04/18/07	09/08/08	NE
6010 ICV IP-PS-07-020	K, Na / Fe P Ba, Ca, Pb, Se, Tl, Al, As, Mg, B Ag, Be, Cd, Co, Cr, Cu, Mn, Ni V, Zn, Sr, Li	2000 ug/mL / 200 ug/mL 400 ug/mL 100 ug/mL	CPI	07C088	04/01/07	04/18/07	09/08/08	NE
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	NE
IP-PS-07-022 IP-PS-07-023 IP-PS-07-024	ICV-1 See facing Page	See facing page	EPA/QATS	ICV-1 (1201)	04/18/07		NA	KB
IP-PS-07-025 IP-PS-07-026 IP-PS-07-027 IP-PS-07-028 IP-PS-07-029 IP-PS-07-030	ICSA (ICP-MS) See facing page	See facing page	EPA/QATS	ICSA (0803)	04/18/07	09/23/07 01/17/08	NA	KB
IP-PS-07-031 IP-PS-07-032 IP-PS-07-033	ICSB (ICP-MS) See facing page	See facing page	EPA/QATS	ICSB (0803)	04/18/07	09/23/07	NA	KB
IP-PS-07-034	As	10,000 ug/mL	CPI	07B146	04/01/07	04/20/07	09/30/08	NE
IP-PS-07-035	Ba	10,000 ug/mL	CPI	07C169	04/01/07	04/20/07	09/30/08	NE
IP-PS-07-036	Be	10,000 ug/mL	CPI	07A145	04/01/07	04/20/07	~~09~~ 10/04/08 NE 04/20/07	NE

To Page No. 92

Witnessed & Understood by me,	Date	Invented by	Date
Kristie Bitner	04/20/07	Recorded by [signature]	04/20/07

Facing Page 91

QATS INORGANIC REFERENCE MATERIAL INITIAL CALIBRATION VERIFICATION SOLUTIONS (ICVs)

ICV-1 (1201):		
Element	Concentration (µg/L) (after 10-fold dilution)	Concentration (µg/L) (after 50-fold dilution)
Al	2482	496
Sb	992	198
As	996	199
Ba	502	100
Be	493	99
Cd	494	99
Ca	10180	2036
Cr	490	98
Co	496	99
Cu	490	98
Fe	5107	1021
Pb	996	199
Mg	6003	1201
Mn	495	99
Ni	492	98
K	10008	2002
Se	1005	201
Ag	495	99
Na	10039	2008
Tl	1027	205
V	501	100
Zn	1000	200

KB 4/19/07

QATS INORGANIC REFERENCE MATERIAL INITIAL CALIBRATION VERIFICATION SOLUTIONS (ICVs)

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP and AA instruments. These solutions may also be used as aqueous Laboratory Control Solutions.

The values for each element in the ICVs are listed below in µg/L (ppb) for the solutions that result after the concentrates have been diluted according to the following instructions:

1. ICV-1 (1201) — For ICP-AES use, dilute the ICV-1 concentrate 10-fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For ICP-MS use, dilute the ICV-1 concentrate 50-fold with 1% (v/v) nitric acid; pipet 2 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

2. ICV-2 (0601) -- For furnace AA use, dilute the ICV-2 concentrate 20-fold with 2% (v/v) nitric acid; pipet 5 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

3. ICV-3 (0500) -- For ICP use, dilute the ICV-3 concentrate 10-fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For furnace AA use, dilute the ICV-3 concentrate 100-fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

KB 4/19/07

4. ICV-4 (0499) -- For the furnace AA determination of lead and thallium, dilute the ICV-4 concentrate 10-fold with 2% (v/v) nitric acid; pipet 10 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. For the furnace AA determination of silver and cadmium, dilute the ICV-4 concentrate 100-fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

5. ICV-5 (1104) -- For the cold vapor analysis of mercury by AA, dilute the ICV-5 concentrate 100-fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV-5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.

6. ICV-6 (0400) -- For the analysis of cyanide, dilute the ICV-6 concentrate 100-fold with Type II water; pipet 1 mL of the concentrate into a 100-mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

QATS INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE FOR ICP-MS PART A (0803) WITH PART B (0803)

Part A (0803), Inferferents: Pipet 10 mL of the Part A solution into a 100-mL volumetric flask and dilute to volume with 1% v/v HNO3. Analyze this solution, Soln. A, by ICP-MS.

Part B (0803), Analytes, mixed with Part A (0803), Interferents: Pipet 10 mL of the Part A solution and 10 mL of the Part B solution into a 100-mL volumetric flask and dilute to volume with 1% v/v HNO3. Analyze this solution, Soln. AB, by ICP-MS.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS PART A (0803) AND PART A (0803) MIXED WITH PART B (0803)

Element	Concentration (µg/L) Part A	Concentration (µg/L) Part A + Part B
Al	[100000]	[100000]
Sb	(1.5)	22
As	(0.1)	19
Ba	(1.2)	22
Be	(0)	19
Cd	(0.7)	20
Ca	[100000]	[100000]
C	[200000]	[200000]
Cl	[1000000]	[1000000]
Cr	21	40
Co	1	20
Cu	8	25
Fe	[100000]	[100000]
Pb	4	25
Mg	[100000]	[100000]
Mn	7	27
Mo	[2000]	[2000]
Ni	6	24
P	[100000]	[100000]
K	[100000]	[100000]
Se	(0.3)	19
Ag	(0)	18
Na	[100000]	[100000]
S	[100000]	[100000]
Tl	(0)	21
Ti	[2000]	[2000]
V	(0.5)	19
Zn	11	29

KB 04/19/07

[ ] INDICATES ANALYTES THAT DO NOT REQUIRE ICP-MS DETERMINATION IN THE ICS.
( ) INDICATES ANALYTE VALUES THAT ARE LESS THAN THE CRQL AND THE VALUE IS TO BE USED AS A SET POINT FOR THE ± 3 TIMES CRQL ACCEPTANCE CRITERIA CALCULATIONS.

Project No. N/A

TITLE DATACHEM LABORATORIES - PRIMARY STANDARDS LOGBOOK

Book No. 2261

From Page No. 91

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	NE
IP-PS-07-038	Ni	10,000 ug/mL	CPI	07B236	04/01/07	04/20/07	09/30/08	NE
IP-PS-07-039	Pt	10,000 ug/mL	CPI	06D247	04/01/07	04/20/07	09/30/08	NE
IP-PS-07-040	Sb	10,000 ug/mL	CPI	06D239	04/01/07	04/20/07	09/30/08	NE
IP-PS-07-041	Si	10,000 ug/mL	CPI	06J226	04/01/07	04/20/07	10/04/08	NE
IP-PS-07-042	Ti	10,000 ug/mL	CPI	06I044	04/01/07	04/20/07	09/30/08	NE
IP-PS-07-043	W	1,000 ug/mL	CPI	06L114	04/01/07	04/20/07	09/30/08	NE
IP-PS-07-044	Zr	1,000 ug/mL	CPI	07C203	04/01/07	04/20/07	09/30/08	NE
6020 Std IP-PS-07-045	Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr3, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Tl, V, Zn	20.00 ug/mL	Inorganic Ventures	Z-MEB194104	05/29/07	05/29/07	06/01/08	KB
ICP-MS CLP Spike IP-PS-07-046	Al, Ba/Co, 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 ISS 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 ISS 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-MEB238016	06/01/07	06/04/07	06/01/08	KB
IP-PS-07-050	B, Mo, Sn, Ti	20 ug/mL	Inorganic Ventures	A2-MEB238017	06/01/07	06/04/07	06/01/08	KB
X-5 Tune IP-PS-07-051	Ba, Be, Bi, Cr, Co, In, Li, Ni, Pb, U	10 ug/mL	Inorganic Ventures	A2-MEB238018	06/01/07	06/04/07	06/01/08	KB
IP-PS-07-052	Ag	1,000 ug/mL	CPI	06J107	06/06/07	06/07/07	12/01/08	NE
IP-PS-07-053	AL	10,000		07E205	07/09/07	07/19/07	01/05/09	JK
IP-PS-07-054	B	5,000		06K019				
IP-PS-07-055	CA	10,000		07F345				
IP-PS-07-056	CA	10,000		07F345				
IP-PS-07-057	Cd	10,000		07E050				
IP-PS-07-058	Co	10,000		07F078				
IP-PS-07-059	Cu	10,000		07F075				
IP-PS-07-060	FE	10,000		07E183				
IP-PS-07-061	K	10,000		07F131				
IP-PS-07-062	Li	10,000		06I145				
IP-PS-07-063	MG	10,000		07D085				
~~IP-PS-07-064~~	JK 07-19-07							

To Page No. 93

Witnessed & Understood by me, [signature] Date 07/19/07

Invented by

Recorded by John Kershisnik Date 07/19/07

Project No. N/A

TITLE DATACHEM LABORATORIES - PRIMARY STANDARDS LOGBOOK Book No. 226.1

From Page No. 93

DCL Solution ID	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	2-MEB194099	08/24/07	08/28/07	09/01/08	KB
	Co, Cr3, Cu, Mn, Li, Sb, V	20 ug/mL						
	As, Pb	10 ug/mL						
	Ag, Be, Cd, Se, Tl	5 ug/mL						
IP-PS-07-100	Ba, Cr3, Cu, Zn	50 ug/mL	Inorganic Ventures	A2-CIC20089	08/24/07	08/28/07	09/01/08	KB
	V / Ni	30 ug/mL / 25 ug/mL						
	Co, Pb, Sb / Ag, As, Cd	20 ug/mL / 10 ug/mL						
	Be, Se, Tl	5 ug/mL						
IP-PS-07-101	Au	1000 ug/mL	CPI	07D007	09/12/07	09/24/07	03/11/09	JK
IP-PS-07-102	Au	1000 ug/mL	CPI	07H065	09/12/07	09/24/07	03/11/09	JK
ICV/LCS 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	5-11263	09/25/07	10/01/07	09/30/08	KB
ICV/LCS IP-PS-07-104	Ca, Fe, Mg, K, Na	200 ug/mL	SPEX	4-616S	09/25/07	10/01/07	09/30/08	KB
ICV/LCS IP-PS-07-105	Mo, Th, U	10 ug/mL	SPEX	36-27AS	09/25/07	10/01/07	09/30/08	KB
ICV/LCS IP-PS-07-106	Mo, Sn, Sr, Ti	10 ug/mL	SPEX	5-1116S	09/25/07	10/01/07	09/30/08	KB
2x mass Cal IP-PS-07-107	Ag, Al, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cs, Cu, Fe, Ga, In, K, Li, Mg, Mn, Na, Ni, Pb, Rb, Se, Sr, Tl, U, V, Zn	10 ug/mL	SPEX	33-133AS	09/25/07	10/01/07	09/30/08	KB
ICV/LCS IP-PS-07-108	Ce	1000 ug/mL	SPEX	13-84CE	09/25/07	10/01/07	09/30/08	KB
ICV/LCS IP-PS-07-109	Cs	1000 ug/mL	SPEX	13-56CS	09/25/07	10/01/07	09/30/08	KB
ICV/LCS IP-PS-07-110	Ga	1000 ug/mL	SPEX	13-34GA	09/25/07	10/01/07	09/30/08	KB
ICV/LCS IP-PS-07-111	Au	1000 ug/mL	SPEX	13-94AU	09/25/07	10/01/07	09/30/08	KB
ICV/LCS IP-PS-07-112	Pd	1000 ug/mL	SPEX	13-68PD	09/25/07	10/01/07	09/30/08	KB
ICV/LCS IP-PS-07-113	P	1000 ug/mL	SPEX	13-59P	09/25/07	10/01/07	09/30/08	KB
ICV/LCS IP-PS-07-114	W	1000 ug/mL	SPEX	13-90W	09/25/07	10/01/07	09/30/08	KB
ICV 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	21,218 / 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 12/12/07

Invented by

Date 10/01/07

Recorded by Kristie Bethune

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	NE
IP-PS-07-141	SEE FACING PAGE					12/21/07		
IP-PS-07-142						12/21/07		
IP-PS-07-143						01/05/08		
IP-PS-07-144								
IP-PS-07-145								
IP-PS-07-146	ICSAB	SEE FACING PAGE	EPA / QATS	PART B (0203)	11/08/07		N/A	NE
IP-PS-07-147	SEE FACING PAGE					03/19/08		
IP-PS-07-148						05/09/08		
6020 Std IP-PS-07-149 6020 Std IP-PS-07-150	Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr3, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Tl, V, Zn	20 ug/mL	Inorganic Ventures	Z-MEB194104	12/17/07	12/17/07	01/01/09	KB
12/17/07 6020SPK-5 IP-PS-07-151	12/17/07 Ba, Ba, Cr3, Cu, Zn Ni/Co, Pb, Sb/V Ag, As, Cd/Be, Sr, Tl	50 ug/mL 25 ug/mL / 20 ug/mL / 30 ug/mL 10 ug/mL / 5 ug/mL	Inorganic Ventures	A2-CICP20089	12/17/07	12/17/07	01/01/09	KB
ISS IP-PS-07-152 ISS IP-PS-07-153	Br, Ho, In, Li, Rh, Sc, Tb, Y	10 ug/mL	Inorganic Ventures	A2-MEB194155	12/17/07	12/07/07	01/01/09	KB
IP-PS-08-001	Li6, Rh, Y, Bi, Sc, Ho, Th	10 ug/mL	INORGANIC VENTURES	B2-MEB255072	02/05/08	02/05/08	03/01/09	NE
IP-PS-08-002	In	10 ug/mL	INOGANIC VENTURES	A2-QIN01098	02/05/08	02/05/08	03/01/09	NE
6020 WATER SPK IP-PS-08-003	Fe / Ba, Zn Co, Cr3, Cu, Mn, Ni, Sb, V As, Pb Ag, Be, Cd, Se, Tl	100 ug/mL / 50 ug/mL 20 ug/mL 10 ug/mL 5 ug/mL	INORGANIC VENTURES	Z-MEB194099	02/05/08	02/05/08	03/01/09	NE
IP-PS-08-004	Li, Sr, Th, U	20 ug/mL	INORGANIC VENTURES	A2-MEB248045	02/05/08	02/05/08	03/01/09	NE
IP-PS-08-005	B, Mo, Sn, Ti	20 ug/mL	INORGANIC VENTURES	A2-MEB248044	02/05/08	02/05/08	03/01/09	NE
IP-PS-08-006	Ca, Mg, K, Na / Al, Ba Fe / Sb, Zn Co, V / Ni / Se Cu, Tl / Mn Ag, As, Cr3, Pb / Be, Cd	500 ug/mL / 20 ug/mL 10 ug/mL / 6 ug/mL 5 ug/mL / 4 ug/mL / 3.5 2.5 ug/mL / 1.5 ug/mL 1.0 ug/mL / 0.5 ug/mL	INORGANIC VENTURES	NE 02/14/08 Z-MEB194095	02/13/08	02/14/08	03/01/09	NE
IP-PS-08-007	Ag, Al, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Se, Tl, V, Zn	10 ug/mL	SPEX KB 2/29/08 ~~Inorganic Ventures~~	S-112GS	02/28/08	02/29/08	02/28/09	KB
CLP-SPK-6 IP-PS-08-008 1762	Sb / Cd, Se, Tl As / Pb	100 ug/mL / 50 ug/mL 40 ug/mL / 20 ug/mL	INORGANIC VENTURES	Z-MEB194090	03/10/08	03/10/08	03/01/09	NE

To Page No. 97

Witnessed & Understood by me,	Date	Invented by	Date
Kristie Bitner	03/28/08	Recorded by [signature]	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 mg/mL / 1000 mg/mL	Inorganic Ventures	2-MEB194085	03/10/08	03/10/08	03/31/09	KE
↓ 1961	Co, Mn, Ni, V, Zn / Cu	500 mg/mL / 250 mg/mL	↓	↓	↓	↓	↓	↓
	Cr3 / Ag, Be	200 mg/mL / 50 mg/mL						
IP-PS-08-010	ICSA (SEE FACING PAG)	SEE FACING PAGE	EPA / QATS	ICSA (1206)	03/10/08	03/19/08	N/A	KE
IP-PS-08-011	↓	↓	↓	↓	↓	05/19/08	↓	↓
IP-PS-08-012						↓		
IP-PS-08-013								
IP-PS-08-014								
IP-PS-08-015						05/21/08		
IP-PS-08-016						05/09/08		
IP-PS-08-017						05/21/08		
IP-PS-08-018	ICSAB	SEE FACING PAGE	EPA / QATS	ICSAB (0205)	03/10/08		N/A	KE
IP-PS-08-019	SEE FACING PAGE	↓	↓	↓	↓		↓	↓
IP-PS-08-020	↓							
6020 std 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	KE
6020 ISS 03/28/08 IP-PS-08-022	Bi, Mo, In, Li, Rb, Sr,	10 µg/mL	Inorganic Ventures	A2-MEB194155	03/27/08		04/01/09	KE
6020 ISS 03/28/08 IP-PS-08-023	Tb, Y	↓	↓	↓	↓		↓	↓
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
IMO8028 (1885) IP-PS-08-027	Ba	10,000 µg/mL	CPI	07C169	5/1/08		10/28/09	RKA
IP-PS-08-028 IMO8026 (1886)	K	10,000 µg/mL	CPI	08C049	5/1/08		10/28/09	RKA
IP-PS-08-029 IMO8027 (1887)	W	1000 µg/mL	CPI	07I108	5/1/08		10/28/09	RKA
IP-PS-08-030 IMO8028 (1888)	Pt	10000 µg/mL	CPI	07D260	5/1/08		10/28/09	RKA
IP-PS-08-031 IMO8029 (1889)	Na	10,000 µg/mL	CPI	08A030	5/1/08		10/28/09	RKA
IP-PS-08-032 IMO8030 (1890)	Ti	10,000 µg/mL	CPI	08A002	5/1/08		10/28/09	RKA
IP-PS-08-033 IMO8031 (1891)	Be	10,000 µg/mL	CPI	07F218	5/1/08		10/28/09	RKA
IP-PS-08-034 IMO8032 (1892)	Al	10,000 µg/mL	CPI	08C004	5/1/08		10/28/09	RKA
IP-PS-08-035 IMO8033 (1893)	Fe	10,000 µg/mL	CPI	08B059	5/1/08		10/28/09	RKA
IP-PS-08-036 IMO8034 (1894)	Zr	1,000 µg/mL	CPI	08A083	5/1/08		10/28/09	RKA
IP-PS-08-037 IMO8035 (1895)	Ni	10,000 µg/mL	CPI	08A040	5/1/08		10/28/09	RKA
IP-PS-08-038 IMO8036 (1896)	Mg	10,000 µg/mL	CPI	08C006	5/1/08		10/28/09	RKA

To Page No. 98

Witnessed & Understood by me, Joanna C. Sanchez

Date 5/5/08

Invented by NA

Recorded by

Date 5/5/08

Project No. NA

TITLE DATACHEM LABORATORIES - PRIMARY STANDARDS LOGBOOK 6/18/08 RMA — Book No. 2261

From Page No. 97

DCL Solution #	Analytes	Concentration	Vendor	Lot #	Date Rec'd	Date Opened	Date Expires	Init
IP-PS-08-039 (IM080817 (1017))	As	10,000 µg/mL	CPI	07H102	5/1/08	5/1/08	10/28/09	RKA
IP-PS-08-040 (IM080821 (1018))	Si	10,000 µg/mL	CPI	07D206	5/1/08	5/1/08	10/28/09	RKA
IP-PS-08-041 (CRI-MS)	Ba/Be, V	10 µg/mL / 5 µg/mL	Inorganic Ventures	A2-MSB194150	05/05/08	05/05/08	06/01/09	KB
	Cr3, Cu, Sb, Zn	2 µg/mL						
	Ag, As, Be, Cd, Co, Mn, Ni, Pb, Tl	1 µg/mL						
IP-PS-08-042 (CLP-MS-SPK)	Al, Ba	200 µg/mL	Inorganic Ventures	A2-MSB194119	05/05/08	05/05/08	06/01/09	KB
	Co, Mn, Ni, V, Zn	50 µg/mL						
	Cu / Cr3	25 µg/mL / 20 µg/mL						
	Sb / Ag, Be, Cd, Tl	10 µg/mL / 5 µg/mL						
	As / Pb	4 µg/mL / 2 µg/mL						
	Se	1 µg/mL						
IP-PS-08-043 (IM080819 (1019))	Cr	10,000 µg/mL	CPI	07I020	5/16/08	5/16/08	11/2/09	RKA
IP-PS-08-044 (IM080412 (902))	Bi	10,000 µg/mL	Elements	CS7011437	4/16/08	5/8/08	10/09	RKA
IP-PS-08-045	ICSA (See facing page)	See facing page	EPA/QATS	ICSA (1206)	04/16/08		NA	QCS
IP-PS-08-046								
IP-PS-08-047								
IP-PS-08-048								
IP-PS-08-049							04/17/08 QCS 5/8/08	
IP-PS-08-050	ICSAB (See facing Pg)	See facing page	EPA / QATS	ICSAB (0203)	04/16/08		NA	QCS
IP-PS-08-051								
IP-PS-08-052							04/17/08 QCS 5/8/08	
IP-PS-08-053	ICV-1 (See facing Pg)	See facing page	EPA / QATS	ICV-1 (1201)	04/16/08		NA	QCS
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	QCS
IP-PS-08-059	Ba, Be, Bi, Ce, Co, In, Li, Ni, Pb, U	10 µg/mL	Inorganic Ventures	B2-MSB269024	08/08/08	05/13/08	06/01/09	KB
IP-PS-08-060 (ICB-MS CLP ICSA)	See p.91 facing page	See p.91 facing page	EPA/QATS	Part A ICS-ms (0803)	04/17/08		NA	KB
IP-PS-08-061	See p.91 facing page	See p.91 facing page	EPA/QATS	Part B ICS-ms (0803)	04/17/08		NA	KB
IP-PS-08-062	Pb	1,000 µg/mL	CPI	08D051	05/20/08	06/04/08	11/16/09	QCS
IP-PS-08-063 (ICCB Cal)	Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr3, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Tl, V, Zn	20 µg/mL	Inorganic Ventures	Z-MSB194104	06/17/08	06/18/08	07/01/09	KB

To Page No. 99

Witnessed & Understood by me, Joanna C. Sanchez — Date 6/27/08

Invented by — Date 06/18/08

Recorded by Kristie Bates

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: 20080618103200 25.pdf; 37402 CLP IDs.xls

20080618103200 25.pdf (642 KB) 37402 CLP IDs.xls (28 KB)

-----Original Message-----
From: Kramer, Caroline [mailto:ckramer5@fedcsc.com]
Sent: Wednesday, June 18, 2008 2:24 PM
To: Olson, Roxanne
Cc: beard.carol@epa.gov
Subject: Region 08 |Case 37402 | Lab DATAC | Issue Multiple | FINAL

Roxy,
Summary Start
-Discrepancies with tags, jars, and/or TR/COC- Issue 1: The soil, TM and DM samples were all given the same sample ID on the TR/COC. with tags, jars, and/or TR/COC- Issue 1: The soil, TM and DM samples were all given the same sample ID on the TR/COC.
Resolution 1: Per Region 8, the laboratory will note issue in the SDG Narrative and will use the CLP sample ID provided in the attached table for the DM water and soil samples. The TM water samples will retain the CLP ID listed on the TR/COC.

-Sample listed on TR/COC but not received at laboratory- Issue 2: No sample container was received for DM for sample on TR designated MH25A4. TM container was received.
Resolution 2: Per Region 8, the laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.
Summary End

Caroline L. Kramer
ckramer5@fedcsc.com
Computer Sciences Corporation (CSC)
703.818.4248

This is a PRIVATE message. If you are not the intended recipient, please delete without copying and kindly advise us by e-mail of the mistake in delivery. NOTE: Regardless of content, this e-mail shall not operate to bind CSC to any order or other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of e-mail for such purpose.

-----Original Message-----
From: Beard.Carol@epamail.epa.gov [mailto:Beard.Carol@epamail.epa.gov]
Sent: Wednesday, June 18, 2008 1:17 PM
To: Kramer, Caroline
Subject: Re: Region 08 |Case 37402 | Lab DATAC | Issue Multiple

Caroline-

Issue 1 : Please provide the laboratory with new ID for the different matrices for Case 37402.

Issue 2 : Please have the laboratory note this in the case narrative and proceed with the analysis.

Thanks! Carol

"Kramer, Caroline" <ckramer5@fedcsc.com>

06/18/2008 11:06 AM

To: Carol Beard/EPR/R8/USEPA/US@EPA

cc:

Subject: Region 08 |Case 37402 | Lab DATAC | Issue Multiple

Carol,
DATAC is reporting the follow issues regarding Case 37402 for samples delivered today. TR/COC are attached for reference. Please advise on how the Region wishes the laboratory to proceed.

-Discrepancies with tags, jars, and/or TR/COC- Issue 1: The soil, TM and DM samples were all given the same sample ID on the TR/COC.

*Please advise if you would like me to provide new ID for the different matrices. I can do this in a table like last time.

-Sample listed on TR/COC but not received at laboratory- Issue 2: No sample container was received for DM for sample on TR designated MH25A4.
TM container was received.

Please let me know if you have any questions.
Thanks,

Caroline L. Kramer
ckramer5@fedcsc.com
Computer Sciences Corporation (CSC)
703.818.4248

This is a PRIVATE message. If you are not the intended recipient, please delete without copying and kindly advise us by e-mail of the mistake in delivery. NOTE: Regardless of content, this e-mail shall not operate to bind CSC to any order or other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of e-mail for such purpose.

-----Original Message-----
From: 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

This is a PRIVATE message. If you are not the intended recipient, please delete without copying and kindly advise us by e-mail of the mistake in delivery. NOTE: Regardless of content, this e-mail shall not operate to bind CSC to any order or other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of e-mail for such purpose.

→ **6/20/2008 Phone conversation between Caroline Kramer, SMO, and Carol Beard, Region 8. Carol confirmed that the soil samples selected for QC are acceptable and that DATAC can cancel the QC for the water samples due to insufficient sample volume. The laboratory will note the issue in the SDG Narrative.**

From: Kramer, Caroline

Sent: Thursday, June 19, 2008 3:21 PM
To: 'beard.carol@epa.gov'
Subject: Region 08 |Case 37402 | Lab DATAC | Issue Insufficient volume

Carol,
DATAC is reporting the following issue regarding Case 37402. Please advise on how the Region wishes the laboratory to proceed.

Issue: There were no samples designated on the TR/COC for laboratory QC and lab QC is required per scheduling. The laboratory is unable to perform a reduced volume QC on the waters as the samplers delivered the samples in 500 mL bottles instead of the 1000 mL recommended in the SOW. Below is a list of the SDG for Case 37402 and the laboratory has indicated which SDG will not have sufficient volume for QC, and where possible selected a sample they would like to use for QC.

MH2599 (TM water) no QC selected as there is not enough volume.
MH25C5 (TM water) no QC selected as there is not enough volume.
MH25E8 (TM water) no QC selected as there is not enough volume.
MH2662 (DM water) no QC selected as there is not enough volume.
MH2697 (DM water) no QC selected as there is not enough volume.
MH26C8 (DM water) no QC selected as there is not enough volume.
MH25F1 (TM soil) selected MH26C9 for QC.
MH2663 (TM soil) selected MH2695 for QC

Please let me know if you have any questions or problems.
Thank you,

Caroline L. Kramer
ckramer5@fedcsc.com
Computer Sciences Corporation (CSC)
703.818.4248

This is a PRIVATE message. If you are not the intended recipient, please delete without copying and kindly advise us by e-mail of the mistake in delivery. NOTE: Regardless of content, this e-mail shall not operate to bind CSC to any order or other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of e-mail for such purpose.

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

This is a PRIVATE message. If you are not the intended recipient, please delete without copying and kindly advise us by e-mail of the mistake in delivery. NOTE: Regardless of content, this e-mail shall not operate to bind CSC to any order or other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of e-mail for such purpose.

-----Original Message-----
From: 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