Paragon Analytics

METALS CASE NARRATIVE

CSU Dep't Ecological Radiological Health Sciences

Tissue samples

Order Number - 0805200

1. This report consists of 19 tissue samples.
2. The samples were received frozen and intact on 05/27/08 and 06/05/08.
3. The samples were prepared for analysis per the procedure defined in the Quality Assurance Summary Sheet located in the miscellaneous section of this report.
4. The samples were analyzed following SW-846, 3rd Edition procedures.

   Analysis by ICP-MS followed method 6020A and PA SOP 827 Rev. 6.

   The relationship between intensity and concentration for each element is established using at least four standards, one of which is a blank solution. A calibration equation relating instrument response to concentration is developed by the instrument software. The equation is a higher order polynomial. This type of equation is used to improve quantitation accuracy at lower concentrations where the relationship between concentration and instrument response is non-linear.

   During sample analysis concentrations are computed by the software and the results are printed in ug/L. The validity of the calibration equation is tested by analyzing the following solutions: a blank, a low level check solution with concentrations near the reporting limit, an Initial Calibration Verification (ICV) standard from a 2nd source standard solution with concentrations near the middle of the analytical range, a Continuing Calibration Verification (CCV) standard with concentrations near the middle of the analytical range but different than those in the ICV, and a readback of the highest calibration standard.

   These solutions provide verification that the calibration equations are functioning properly throughout the analytical range of the instrument. During sample analysis dilutions are made for analytes found at concentrations above the highest calibration standard. No results are taken from extrapolations beyond the highest standard.

5. All standards and solutions are NIST traceable and were used within their recommended shelf life.
6. The samples were prepared and analyzed within the established hold times.

All in house quality control procedures were followed, as described below.

7. General quality control procedures.
   - A preparation (method) blank, laboratory control sample, and laboratory control sample duplicate were digested and analyzed with the samples in this digestion batch. There were not more than 20 samples in each digestion batch.
   - The preparation (method) blank associated with this digestion batch was below the practical quantitation limit for the requested analyte.
   - The laboratory control samples associated with this digestion batch were within the acceptance limits. This indicates complete digestion according to the method.
   - All initial and continuing calibration blanks associated with this analytical batch were below the practical quantitation limits for the requested analyte.
   - All initial and continuing calibration verifications associated with this analytical batch were within the acceptance criteria for the requested analyte. This indicates a valid calibration and stable instrument conditions.
   - The high standard readbacks associated with Method 6020A were within acceptance criteria.
   - The interference check samples associated with Method 6020A were analyzed.
8. Matrix specific quality control procedures.

   Sample 0805200-3 was designated as the quality control sample for this analysis. Due to limited sample volume, matrix QC consisted of a post spike and serial dilution. A laboratory control sample duplicate was also performed.

   Similarity of matrix and therefore relevance of the QC results should not be automatically inferred for any sample other than the native sample selected for QC.

   - A post spike was analyzed with this batch. All acceptance criteria for accuracy were met.
   - A serial dilution was analyzed with this batch. All acceptance criteria were met.
9. It is a standard PA practice that samples for ICP-MS are analyzed at a 10X dilution. Several samples were analyzed at a 50X dilution to protect the ICP-MS instrument from the high calcium content of the samples.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, Paragon Analytics certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Emily Knodel
Inorganics Primary Data Reviewer

06-25-08
Date

Inorganics Final Data Reviewer

6/25/08
Date

Inorganic Data Reporting Qualifiers

The following qualifiers are used by the laboratory when reporting results of inorganic analyses.

- Result qualifier -- If the analyte was analyzed for but not detected a “U” is entered.

- QC qualifier -- Specified entries and their meanings are as follows:

  E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.

  M - Duplicate injection precision was not met.

  N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.

  Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.

  * - Duplicate analysis (relative percent difference) not within control limits.

  S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Chain of Custody

Paragon Analytics

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0805200
Client Name: CSU Dep't Ecological Radiological Health Scie
Client Project Name: Tissue samples
Client Project Number:
Client PO Number:

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
CSUPR-1	0805200-1	liver	TISSUE	20-May-08	
CSUPR-2	0805200-2	lung	TISSUE	20-May-08	
CSUPR-3	0805200-3	muscle	TISSUE	20-May-08	
CSUPR-4	0805200-4	bone	TISSUE	20-May-08	
CSUPR-5	0805200-5	liver	TISSUE	20-May-08	
CSUPR-6	0805200-6	lung	TISSUE	20-May-08	
CSUPR-7	0805200-7	muscle	TISSUE	20-May-08	
CSUPR-8	0805200-8	bone	TISSUE	20-May-08	
CSUPR-9	0805200-9	liver	TISSUE	20-May-08	
CSUPR-10	0805200-10	lung	TISSUE	20-May-08	
CSUPR-11	0805200-11	muscle	TISSUE	20-May-08	
CSUPR-12	0805200-12	bone	TISSUE	20-May-08	
CSUPR-13	0805200-13	liver	TISSUE	19-May-08	
CSUPR-14	0805200-14	lung	TISSUE	19-May-08	
CSUPR-15	0805200-15	muscle	TISSUE	19-May-08	
CSUPR-16	0805200-16	bone	TISSUE	19-May-08	
CSUPR-17	0805200-17	liver	TISSUE	19-May-08	
CSUPR-18	0805200-18	lung	TISSUE	19-May-08	
CSUPR-19	0805200-19	muscle	TISSUE	19-May-08	
CSUPR-20	0805200-20	bone	TISSUE	19-May-08	
CSUPR-21	0805200-21	liver	TISSUE	19-May-08	
CSUPR-22	0805200-22	lung	TISSUE	19-May-08	
CSUPR-23	0805200-23	muscle	TISSUE	19-May-08	
CSUPR-24	0805200-24	bone	TISSUE	19-May-08	
CSUPR-25	0805200-25	carcass	TISSUE	20-May-08	
CSUPR-26	0805200-26	liver	TISSUE	07-Apr-08	
CSUPR-27	0805200-27	lung	TISSUE	07-Apr-08	
CSUPR-28	0805200-28	muscle	TISSUE	07-Apr-08	
CSUPR-29	0805200-29	bone	TISSUE	07-Apr-08	
CSUPR-30	0805200-30	liver	TISSUE	12-Apr-08	
CSUPR-31	0805200-31	lung	TISSUE	12-Apr-08	
CSUPR-32	0805200-32	muscle	TISSUE	12-Apr-08	

Paragon Analytics

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0805200
Client Name: CSU Dep't Ecological Radiological Health Scie
Client Project Name: Tissue samples
Client Project Number:
Client PO Number:

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
CSUPR-33	0805200-33	bone	TISSUE	12-Apr-08	
CSUPR-34	0805200-34	liver	TISSUE	13-Apr-08	
CSUPR-35	0805200-35	lung	TISSUE	13-Apr-08	
CSUPR-36	0805200-36	muscle	TISSUE	13-Apr-08	
CSUPR-37	0805200-37	bone	TISSUE	13-Apr-08	

COC for CSU Tissue Samples received 5/27/08 0805200

Samples delivered from Ward Whicker at CSU to Paragon Analytics on May 27, 2009

Sample #	LabID	species	tissue	Collection Date	U-nat	Th-230	Ra-226	Po-210	Pb-210
CSUPR-1	1	CTAIL	liver	5/20/2008		X		X	X
CSUPR-2	2	CTAIL	lung	5/20/2008				X	X
CSUPR-3	3	CTAIL	muscle	5/20/2008	X			X	
CSUPR-4	4	‡ CTAIL	bone	5/20/2008	X	X	X		X
CSUPR-5	5	CTAIL	liver	5/20/2008		X		X	X
CSUPR-6	6	CTAIL	lung	5/20/2008				X	X
CSUPR-7	7	CTAIL	muscle	5/20/2008	X			X	
CSUPR-8	8	‡ CTAIL	bone	5/20/2008	X	X	X		X
CSUPR-9	9	CTAIL	liver	5/20/2008		X		X	X
CSUPR-10	10	CTAIL	lung	5/20/2008				X	X
CSUPR-11	11	CTAIL	muscle	5/20/2008	X			X	
CSUPR-12	12	‡ CTAIL	bone	5/20/2008	X	X	X		X
CSUPR-13	13	JACK	liver	5/19/2008		X		X	X
CSUPR-14	14	JACK	lung	5/19/2008				X	X
CSUPR-15	15	JACK	muscle	5/19/2008	X			X	
CSUPR-16	16	‡ JACK	bone	5/19/2008	X	X	X		X
CSUPR-17	17	JACK	liver	5/19/2008		X		X	X
CSUPR-18	18	JACK	lung	5/19/2008				X	X
CSUPR-19	19	JACK	muscle	5/19/2008	X			X	
CSUPR-20	20	‡ JACK	bone	5/19/2008	X	X	X		X
CSUPR-21	21	JACK	liver	5/19/2008		X		X	X
CSUPR-22	22	JACK	lung	5/19/2008				X	X
CSUPR-23	23	JACK	muscle	5/19/2008	X			X	
CSUPR-24	24	‡ JACK	bone	5/19/2008	X	X	X		X
CSUPR-25	25	K-RAT	carcass	5/20/2008	X	X	X		X
CSUPR-26	26	COW	liver	4/7/2008	X	X		X	X
CSUPR-27	27	COW	lung	4/7/2008				X	X
CSUPR-28	28	COW	muscle	4/7/2008	X			X	
CSUPR-29	29	COW	bone	4/7/2008	X	X	X		X
CSUPR-30	30	COW	liver	4/12/2008	X	X		X	X
CSUPR-31	31	COW	lung	4/12/2008				X	X
CSUPR-32	32	COW	muscle	4/12/2008	X			X	
CSUPR-33	33	COW	bone	4/12/2008	X	X	X		X
CSUPR-34	34	COW	liver	4/13/2008	X	X		X	X
CSUPR-35	35	COW	lung	4/13/2008				X	X
CSUPR-36	36	COW	muscle	4/13/2008	X			X	
CSUPR-37	37	COW	bone	4/13/2008	X	X	X		X

‡ add'l bone (Femur and lower legs) received from Ward Whicker 6/5/08 ~ 4:30 pm 6/5/08

Note: original bone samples (all species) were scapula.

CONDITION OF SAMPLE UPON RECEIPT FORM **Paragon Analytics**

Client: CSU Workorder No: 0805200

Project Manager: LS Initials: CT Date: 5-29-08

1.	Does this project require any **special handling** in addition to standard Paragon procedures?		YES	(NO)
2.	Are custody **seals** on **shipping containers** intact?	(NONE)	(YES)	NO
3.	Are Custody seals on **sample containers** intact?	(NONE)	YES	NO
4.	Is there a **COC (Chain-of-Custody) present** or other representative documents?		(YES)	NO
5.	Are the **COC and bottle labels complete and legible**?		(YES)	NO
6.	Is the **COC in agreement** with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)		(YES)	NO
7.	Were **airbills / shipping documents** present and/or removable?	(DROP OFF)	~~YES~~ CT 5-29-08	NO
8.	Are all aqueous **samples requiring preservation preserved correctly?** (excluding volatiles)	(N/A)	(YES)	NO
9.	Are all aqueous **non-preserved samples pH 4-9**?	(N/A)	(YES)	NO
10.	Is there **sufficient sample** for the requested analyses?		(YES)	NO
11.	Were all samples placed in the **proper containers** for the requested analyses?		(YES)	NO
12.	Are all samples within **holding times** for the requested analyses?		(YES)	NO
13.	Were all sample containers received **intact**? (not broken or leaking, etc.)		(YES)	NO
14.	Are all samples requiring no headspace (VOC, GRO, Rx CN/S, radon), headspace free? **Size of bubble**: ____ < green pea ____ > green pea	(N/A)	(YES)	NO
15.	Were samples checked for and free from the presence of **residual chlorine?** (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	(N/A)	YES	NO
16.	Were the samples **shipped on ice**?		(YES)	NO
17.	Were cooler temperatures measured at 0.1-6.0°C? **IR gun used*:** (#2) #4	RAD ONLY	YES	(NO)

Cooler #:	1							
Temperature (°C):	~~13~~ CT 5-29-08							
No. of custody seals on cooler:	0							
DOT Survey/ Acceptance Information — External µR/hr reading:	NA							
Background µR/hr reading:	13							

Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? **YES / NO / NA** (If no, see Form 008.)

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16

Samples received frozen

If applicable, was the client contacted? **YES / NO / NA** Contact: _____ Date/Time: _____

Project Manager Signature / Date: 5/29/08

*IR Gun #2: Oakton, SN 29922500201-0066 *IR Gun #4: Oakton, SN 2372220101-0002

Form 201r20.xls (12/27/07)

Sample Results

Total URANIUM

Method SW6020A

Sample Results

Lab Name: Paragon Analytics
Client Name: CSU Dep't Ecological Radiological Health Sciences
Client Project ID: Tissue samples
Work Order Number: 0805200 **Final Volume:** 100 ml
Reporting Basis: As Received **Matrix:** TISSUE
Prep Method: SW3050A **Result Units:** ug/kg

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag	Sample Aliquot
CSUPR-3	0805200-3	05/20/2008	06/10/2008	06/10/2008	N/A	10	0.47	0.47	U	21.08 g
CSUPR-4	0805200-4	05/20/2008	06/10/2008	06/10/2008	N/A	50	7.4	6.2		8.06 g
CSUPR-7	0805200-7	05/20/2008	06/10/2008	06/10/2008	N/A	10	1.3	0.37		26.79 g
CSUPR-8	0805200-8	05/20/2008	06/10/2008	06/10/2008	N/A	50	16	5.9		8.44 g
CSUPR-11	0805200-11	05/20/2008	06/10/2008	06/10/2008	N/A	10	0.65	0.37		26.77 g
CSUPR-12	0805200-12	05/20/2008	06/10/2008	06/10/2008	N/A	50	6.5	6.5	U	7.68 g
CSUPR-15	0805200-15	05/19/2008	06/10/2008	06/10/2008	N/A	10	0.31	0.3		33.65 g
CSUPR-16	0805200-16	05/19/2008	06/10/2008	06/10/2008	N/A	50	4	3.3		15.28 g
CSUPR-19	0805200-19	05/19/2008	06/10/2008	06/10/2008	N/A	10	0.23	0.23	U	42.59 g
CSUPR-20	0805200-20	05/19/2008	06/10/2008	06/10/2008	N/A	50	3.6	3.6	U	13.93 g
CSUPR-23	0805200-23	05/19/2008	06/10/2008	06/10/2008	N/A	10	0.23	0.23	U	44.29 g
CSUPR-24	0805200-24	05/19/2008	06/10/2008	06/10/2008	N/A	50	6.1	2.6		19.13 g
CSUPR-25	0805200-25	05/20/2008	06/10/2008	06/10/2008	N/A	10	1.2	1.2	U	8.01 g
CSUPR-28	0805200-28	04/07/2008	06/10/2008	06/10/2008	N/A	10	0.38	0.38	U	26.13 g
CSUPR-29	0805200-29	04/07/2008	06/10/2008	06/10/2008	N/A	50	6.9	5.4		9.22 g
CSUPR-32	0805200-32	04/12/2008	06/10/2008	06/10/2008	N/A	10	0.5	0.5	U	19.9 g
CSUPR-33	0805200-33	04/12/2008	06/10/2008	06/10/2008	N/A	50	4.5	3.7		13.63 g
CSUPR-36	0805200-36	04/13/2008	06/10/2008	06/10/2008	N/A	10	0.39	0.39	U	25.8 g

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *IM0805200-1*

Total URANIUM

Method SW6020A

Sample Results

Lab Name: Paragon Analytics
Client Name: CSU Dep't Ecological Radiological Health Sciences
Client Project ID: Tissue samples
Work Order Number: 0805200 **Final Volume:** 100 ml
Reporting Basis: As Received **Matrix:** TISSUE
Prep Method: SW3050A **Result Units:** ug/kg

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag	Sample Aliquot
CSUPR-37	0805200-37	04/13/2008	06/10/2008	06/10/2008	N/A	50	6	4.8		10.44 g

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *IM0805200-1*

Summary Report Forms

ICPMS Metals

Method SW6020A
Method Blank

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: IP080610-21MB

Sample Matrix: TISSUE
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10-Jun-08
Date Analyzed: 10-Jun-08
Prep Method: SW3050 Rev A

Prep Batch: IP080610-21
QCBatchID: IP080610-21-1
Run ID: IM080610-1A1
Cleanup: NONE
Basis: N/A
File Name: 10JUN08A

Sample Aliquot: 21.08 g
Final Volume: 100 ml
Result Units: ug/kg
Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-61-1	URANIUM	10	0.47	0.47	U	

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020A

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: IP080610-21LCS

Sample Matrix: TISSUE
% Moisture: N/A
Date Collected: N/A
Date Extracted: 06/10/2008
Date Analyzed: 06/10/2008
Prep Method: SW3050A

Prep Batch: IP080610-21
QCBatchID: IP080610-21-1
Run ID: IM080610-1A1
Cleanup: NONE
Basis: N/A
File Name: 10JUN08A

Sample Aliquot: 21.08 g
Final Volume: 100 ml
Result Units: ug/kg
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7440-61-1	URANIUM	94.9	107	0.474		113	80 - 120%

Lab ID: IP080610-21LCSD

Sample Matrix: TISSUE
% Moisture: N/A
Date Collected: N/A
Date Extracted: 06/10/2008
Date Analyzed: 06/10/2008
Prep Method: SW3050A

Prep Batch: IP080610-21
QCBatchID: IP080610-21-1
Run ID: IM080610-1A1
Cleanup: NONE
Basis: N/A
File Name: 10JUN08A

Sample Aliquot: 21.08 g
Final Volume: 100 ml
Result Units: ug/kg
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
7440-61-1	URANIUM	94.9	105	0.474		111	20	2

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020

Analytical Spike Sample Recovery

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Field ID: CSUPR-3
LabID: 0805200-3A

Run ID: IM080610-1A1
Date Analyzed: 10-Jun-08
Result Units: ug/l

Target Analyte	Sample Result	Samp Qual	PS Result	PS Qual	Spike Added	PS % Rec.	Control Limits
URANIUM	0.0100	U	2.39		2	119	75 - 125%

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Serial Dilution

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Field ID: CSUPR-3
Lab ID: 0805200-3L

Run ID: IM080610-1A1
Date Analyzed: 10-Jun-08
Result Units: ug/l

CASNO	Target Analyte	Sample Result	Samp Qual	SD Result	SD Qual	EPA Qualifier	%D
7440-61-1	URANIUM	0.0100	U	0.0500	U		

Data Package ID: *IM0805200-1*

Prep Batch ID: IP080610-21

Start Date: 06/10/08
Start Time: 8:00
Prep Analyst: Ross Miller

End Date: 06/10/08
End Time: 21:00

Concentration Method: NONE
Extract Method: SW3050A
Initial Volume Units: g
Final Volume Units: ml

Batch Created By: REM
Date Created: 06/11/08
Time Created: 17:11
Validated By: REM
Date Validated: 06/11/08
Time Validated: 17:32

Comments:

QC Batch ID: IP080610-21-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
IP080610-21	MB	XXXXXX	TISSUE	XXXXXX	21.08	100	NONE	1	0805200
IP080610-21	LCS	XXXXXX	TISSUE	XXXXXX	21.08	100	NONE	1	0805200
IP080610-21	LCSD	XXXXXX	TISSUE	XXXXXX	21.08	100	NONE	1	0805200
0805200-11	SMP	CSUPR-11	TISSUE	5/20/2008	26.77	100	NONE	1	0805200
0805200-12	SMP	CSUPR-12	TISSUE	5/20/2008	7.68	100	NONE	1	0805200
0805200-15	SMP	CSUPR-15	TISSUE	5/19/2008	33.65	100	NONE	1	0805200
0805200-16	SMP	CSUPR-16	TISSUE	5/19/2008	15.28	100	NONE	1	0805200
0805200-19	SMP	CSUPR-19	TISSUE	5/19/2008	42.59	100	NONE	1	0805200
0805200-20	SMP	CSUPR-20	TISSUE	5/19/2008	13.93	100	NONE	1	0805200
0805200-23	SMP	CSUPR-23	TISSUE	5/19/2008	44.29	100	NONE	1	0805200
0805200-24	SMP	CSUPR-24	TISSUE	5/19/2008	19.13	100	NONE	1	0805200
0805200-25	SMP	CSUPR-25	TISSUE	5/20/2008	8.01	100	NONE	1	0805200
0805200-28	SMP	CSUPR-28	TISSUE	4/7/2008	26.13	100	NONE	1	0805200
0805200-29	SMP	CSUPR-29	TISSUE	4/7/2008	9.22	100	NONE	1	0805200
0805200-3	SMP	CSUPR-3	TISSUE	5/20/2008	21.08	100	NONE	1	0805200
0805200-32	SMP	CSUPR-32	TISSUE	4/12/2008	19.9	100	NONE	1	0805200
0805200-33	SMP	CSUPR-33	TISSUE	4/12/2008	13.63	100	NONE	1	0805200
0805200-36	SMP	CSUPR-36	TISSUE	4/13/2008	25.8	100	NONE	1	0805200
0805200-37	SMP	CSUPR-37	TISSUE	4/13/2008	10.44	100	NONE	1	0805200
0805200-4	SMP	CSUPR-4	TISSUE	5/20/2008	8.06	100	NONE	1	0805200
0805200-7	SMP	CSUPR-7	TISSUE	5/20/2008	26.79	100	NONE	1	0805200
0805200-8	SMP	CSUPR-8	TISSUE	5/20/2008	8.44	100	NONE	1	0805200

ICPMS Metals

Method SW6020
Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: ICV
QC Type: Initial Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 12:05
Result Units: ug/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-61-1	URANIUM	2.5	2.58	0.01		103	90 - 110%

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: CCV1
QC Type: Continuing Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 12:19
Result Units: ug/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-61-1	URANIUM	2	2.06	0.01		103	90 - 110%

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: CCV2
QC Type: Continuing Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 12:53
Result Units: ug/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-61-1	URANIUM	2	2.08	0.01		104	90 - 110%

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: CCV3
QC Type: Continuing Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 13:19
Result Units: ug/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-61-1	URANIUM	2	2.09	0.01		104	90 - 110%

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: CCV4
QC Type: Continuing Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 13:48
Result Units: ug/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-61-1	URANIUM	2	2.09	0.01		104	90 - 110%

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: CCV5
QC Type: Continuing Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 14:14
Result Units: ug/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-61-1	URANIUM	2	2.09	0.01		104	90 - 110%

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: CCV6
QC Type: Continuing Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 14:43
Result Units: ug/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-61-1	URANIUM	2	2.09	0.01		105	90 - 110%

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: CCV7
QC Type: Continuing Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 15:03
Result Units: ug/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-61-1	URANIUM	2	2.09	0.01		105	90 - 110%

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: CCV8
QC Type: Continuing Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 15:46
Result Units: ug/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-61-1	URANIUM	2	2.06	0.01		103	90 - 110%

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: CCV9
QC Type: Continuing Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 16:13
Result Units: ug/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-61-1	URANIUM	2	2.09	0.01		105	90 - 110%

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: CCV10
QC Type: Continuing Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 16:44
Result Units: ug/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-61-1	URANIUM	2	2.08	0.01		104	90 - 110%

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: ICB
QC Type: Initial Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 12:10:00 PM
Result Units: ug/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-61-1	URANIUM	0.01	0.01	U

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: CCB1
QC Type: Continuing Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 12:21:00 PM
Result Units: ug/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-61-1	URANIUM	0.01	0.01	U

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: CCB2
QC Type: Continuing Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 12:55:00 PM
Result Units: ug/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-61-1	URANIUM	0.01	0.01	U

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: CCB3
QC Type: Continuing Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 1:22:00 PM
Result Units: ug/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-61-1	URANIUM	0.01	0.01	U

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: CCB4
QC Type: Continuing Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 1:50:00 PM
Result Units: ug/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-61-1	URANIUM	0.01	0.01	U

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: CCB5
QC Type: Continuing Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 2:19:00 PM
Result Units: ug/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-61-1	URANIUM	0.01	0.01	U

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: CCB6
QC Type: Continuing Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 2:47:00 PM
Result Units: ug/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-61-1	URANIUM	0.01	0.01	U

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: CCB7
QC Type: Continuing Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 3:07:00 PM
Result Units: ug/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-61-1	URANIUM	0.01	0.01	U

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: CCB8
QC Type: Continuing Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 3:48:00 PM
Result Units: ug/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-61-1	URANIUM	0.01	0.01	U

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: CCB9
QC Type: Continuing Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 4:15:00 PM
Result Units: ug/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-61-1	URANIUM	0.01	0.01	U

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020
Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Lab ID: CCB10
QC Type: Continuing Calibration

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Time Analyzed: 4:46:00 PM
Result Units: ug/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-61-1	URANIUM	0.01	0.01	U

Data Package ID: *IM0805200-1*

ICPMS Metals

Method SW6020

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Run ID: IM080610-1A1
Date Analyzed: 06/10/2008
Result Units: ug/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7440-61-1	URANIUM		2		2.22000	111

Data Package ID: *IM0805200-1*

Metals Linear Ranges

Lab Name: **Paragon Analytics**
Work Order Number: 0805200
Client Name: CSU Dep't Ecological Radiological Health Sciences
ClientProject ID: Tissue samples

Instrument ID: ICPMS
Active Date: 04/26/2008
Expiration Date: 07/25/2008

CASNO	Target Analyte	Concentration (ppm)
7440-61-1	URANIUM	0.01

ICPMS Run Log -- 6/10/2008

Instrument ID: ICPMS
File Name: 10JUN08A
AnalRunID: IM080610-1A1
CalibRefID: IM080610-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		0		6/10/2008	11:41
		L/100 STDUP		6/10/2008	11:43
		L/20		6/10/2008	11:45
		L/10		6/10/2008	11:47
		LOW/2 STDUP		6/10/2008	11:49
		LOW		6/10/2008	11:52
		MID		6/10/2008	11:54
		HIGH/2 STDUP		6/10/2008	11:56
		HIGH		6/10/2008	11:59
		HIGH STDUP		6/10/2008	12:02
		ICV	1	6/10/2008	12:05
		ICB	1	6/10/2008	12:10
		CRI1	1	6/10/2008	12:12
		ICSA1	1	6/10/2008	12:15
		ICSAB1	1	6/10/2008	12:17
		CCV1	1	6/10/2008	12:19
		CCB1	1	6/10/2008	12:21
		IP080606-3MB	10	6/10/2008	12:31
		IM080606-3LCS	10	6/10/2008	12:33
		0806013-1	10	6/10/2008	12:35
		0806013-1DUP	10	6/10/2008	12:37
		0806013-1SER	50	6/10/2008	12:40
		0806013-1MS	10	6/10/2008	12:42
		0806013-1MSD	10	6/10/2008	12:44
		0806013-2	10	6/10/2008	12:46
		0806013-3	10	6/10/2008	12:49
		0806013-4	10	6/10/2008	12:51
		CCV2	1	6/10/2008	12:53
		CCB2	1	6/10/2008	12:55
		0806013-5	50	6/10/2008	12:57
		0806013-6	50	6/10/2008	12:59
		0806013-7	10	6/10/2008	13:02
		0806013-8	10	6/10/2008	13:04
		0806013-9	10	6/10/2008	13:06
		0806013-10	10	6/10/2008	13:08

Data Package ID: IM0805200-1

ICPMS Run Log -- 6/10/2008

Instrument ID: ICPMS
File Name: 10JUN08A
AnalRunID: IM080610-1A1
CalibRefID: IM080610-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		0806013-11	10	6/10/2008	13:10
		0806013-12	10	6/10/2008	13:13
		0806013-13	10	6/10/2008	13:15
		0806013-14	10	6/10/2008	13:17
		CCV3	1	6/10/2008	13:19
		CCB3	1	6/10/2008	13:22
		0806013-16	100	6/10/2008	13:24
		0806013-17	10	6/10/2008	13:26
		0806013-18	10	6/10/2008	13:28
		0806013-19	10	6/10/2008	13:30
		0806013-20	10	6/10/2008	13:32
		0806013-21	10	6/10/2008	13:35
		CCV4	1	6/10/2008	13:48
		CCB4	1	6/10/2008	13:50
		IP080606-5MB	10	6/10/2008	13:52
		IM080606-5LCS	10	6/10/2008	13:54
		0805247-27	10	6/10/2008	13:57
		0805247-28	10	6/10/2008	13:59
		0805247-29	10	6/10/2008	14:01
		0805247-30	10	6/10/2008	14:03
		0805247-1	10000	6/10/2008	14:05
		0805247-2	1000	6/10/2008	14:07
		0805247-3	10000	6/10/2008	14:10
		0805247-4	1000	6/10/2008	14:12
		CCV5	1	6/10/2008	14:14
		CCB5	1	6/10/2008	14:19
		0805247-5	10000	6/10/2008	14:21
		0805247-6	10000	6/10/2008	14:23
		0805247-7	5000	6/10/2008	14:25
		0805247-8	50000	6/10/2008	14:27
		0805247-9	10000	6/10/2008	14:29
		0805247-10	5000	6/10/2008	14:32
		0805247-11	5000	6/10/2008	14:34
		0805247-12	1000	6/10/2008	14:36
		0805247-13	500	6/10/2008	14:38

Data Package ID: IM0805200-1

ICPMS Run Log -- 6/10/2008

Instrument ID: ICPMS
File Name: 10JUN08A
AnalRunID: IM080610-1A1
CalibRefID: IM080610-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		0805247-16	10000	6/10/2008	14:40
		CCV6	1	6/10/2008	14:43
		CCB6	1	6/10/2008	14:47
		0805247-17	5000	6/10/2008	14:49
		0805247-26	500	6/10/2008	14:51
		0805247-26DUP	500	6/10/2008	14:54
		0805247-26SER	2500	6/10/2008	14:56
		0805247-26MS	500	6/10/2008	14:58
		0805247-26MSD	500	6/10/2008	15:00
		CCV7	1	6/10/2008	15:03
		CCB7	1	6/10/2008	15:07
		IP080610-21MB	10	6/10/2008	15:24
		IP080610-21LCS	10	6/10/2008	15:26
		IP080610-21LCSD	10	6/10/2008	15:29
	CSUPR-3	0805200-3	10	6/10/2008	15:31
	CSUPR-3	0805200-3SER	50	6/10/2008	15:33
	CSUPR-3	0805200-3A	10	6/10/2008	15:35
	CSUPR-7	0805200-7	10	6/10/2008	15:37
	CSUPR-11	0805200-11	10	6/10/2008	15:40
	CSUPR-15	0805200-15	10	6/10/2008	15:42
	CSUPR-19	0805200-19	10	6/10/2008	15:44
		CCV8	1	6/10/2008	15:46
		CCB8	1	6/10/2008	15:48
	CSUPR-23	0805200-23	10	6/10/2008	15:51
	CSUPR-25	0805200-25	10	6/10/2008	15:53
	CSUPR-28	0805200-28	10	6/10/2008	15:55
	CSUPR-32	0805200-32	10	6/10/2008	15:57
	CSUPR-36	0805200-36	10	6/10/2008	15:59
	CSUPR-4	0805200-4	50	6/10/2008	16:02
	CSUPR-8	0805200-8	50	6/10/2008	16:04
	CSUPR-12	0805200-12	50	6/10/2008	16:06
	CSUPR-16	0805200-16	50	6/10/2008	16:08
	CSUPR-20	0805200-20	50	6/10/2008	16:10
		CCV9	1	6/10/2008	16:13
		CCB9	1	6/10/2008	16:15

Data Package ID: IM0805200-1

ICPMS Run Log -- 6/10/2008

Instrument ID: ICPMS
File Name: 10JUN08A
AnalRunID: IM080610-1A1
CalibRefID: IM080610-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
	CSUPR-24	0805200-24	50	6/10/2008	16:17
	CSUPR-29	0805200-29	50	6/10/2008	16:19
	CSUPR-33	0805200-33	50	6/10/2008	16:21
	CSUPR-37	0805200-37	50	6/10/2008	16:24
		0806038-1	10	6/10/2008	16:31
		0806038-1SER	50	6/10/2008	16:33
		0806038-1MS	10	6/10/2008	16:35
		0806038-1MSD	10	6/10/2008	16:37
		0806038-2	10	6/10/2008	16:39
		0806038-3	500	6/10/2008	16:42
		CCV10	1	6/10/2008	16:44
		CCB10	1	6/10/2008	16:46
		0806038-4	50	6/10/2008	16:49
		0806038-5	100	6/10/2008	16:51
		ZZZZZZ	1	6/10/2008	16:53
		0806038-7	50	6/10/2008	16:55
		ZZZZZZ	1	6/10/2008	16:57
		0806038-9	500	6/10/2008	16:59
		0806038-10	500	6/10/2008	17:01
		0806038-11	500	6/10/2008	17:03
		0806038-12	500	6/10/2008	17:05
		0806038-13	100	6/10/2008	17:07
		CCV11	1	6/10/2008	17:09
		CCB11	1	6/10/2008	17:12
		0806038-14	100	6/10/2008	17:14
		0806038-15	500	6/10/2008	17:16
		0806038-16	500	6/10/2008	17:18
		0806038-17	500	6/10/2008	17:21
		0806038-18	500	6/10/2008	17:24
		0806038-19	500	6/10/2008	17:26
		0806038-6	200	6/10/2008	17:28
		0806038-8	200	6/10/2008	17:30
		CCV12	1	6/10/2008	17:32
		CCB12	1	6/10/2008	17:34

Data Package ID: IM0805200-1

Raw Data

HEADER INFROMATION FOR ANALYTICAL SEQUENCE MS080610A REM

STANDARD SOLUTIONS

ST070309-7 = 40 PPM - Al; 10 PPM - Pb; 4 PPM - As, Se; 2 PPM – Cd, Ag, Sb, U, Mo; 0.1 PPM – Tl, Th.
EXPIRES: 08/16/08.

CALIBRATION STANDARDS

HIGH STD (200 ppb - Al; 50 ppb - Pb; 20 ppb - As, Se; 10ppb – Cd, Ag, Sb, U, Mo; 0.5ppb – Tl, Th.) Made daily by diluting (ST070309-7) 200 fold, (0.05ml up to a 10 ml final volume).

HIGH/2 LEVEL STD (100 ppb - Al; 25 ppb - Pb; 10 ppb - As, Se; 5ppb –Cd, Ag, Sb, U, Mo; 0.25ppb – Tl, Th.) Made daily by diluting 5.0ml of the HIGH STD calibration standard up to a 10ml final volume, (400 fold dilution of ST070309-7).

MID LEVEL STD (40 ppb - Al; 10 ppb - Pb; 4 ppb - As, Se; 2ppb –Cd, Ag, Sb, U, Mo; 0.1ppb – Tl, Th.) Made daily by diluting 2.0ml of the HIGH STD calibration standard up to a 10ml final volume, (1000 fold dilution of ST070309-7).

LOW LEVEL STD (20 ppb - Al; 5 ppb - Pb; 2 ppb - As, Se; 1ppb – Cd, Ag, Sb, U, Mo; 0.05ppb – Tl, Th) Made daily by diluting 1.0ml of the HIGH STD calibration standard up to a 10ml final volume, (2000 fold dilution of ST070309-7).

LOW/2 LEVEL STD (10 ppb - Al; 2.5 ppb - Pb; 1 ppb - As, Se; 0.5ppb –Cd, Ag, Sb, U, Mo; 0.025ppb – Tl, Th.) Made daily by diluting 0.5ml of the HIGH STD calibration standard up to a 10ml final volume, (4000 fold dilution of ST070309-7).

LOW/10 LEVEL STD (2 ppb - Al; 0.5 ppb - Pb; 0.2 ppb - As, Se; 0.1ppb –Cd, Ag, Sb, U, Mo; 0.005ppb – Tl, Th.) Made daily by diluting 1.0ml of the LOW LEVEL STD calibration standard up to a 10ml final volume, (20,000 fold dilution of ST070309-7).

LOW/20 LEVEL STD (1 ppb - Al; 0.25 ppb - Pb; 0.1 ppb - As, Se; 0.05ppb –Cd, Ag, Sb, U, Mo; 0.0025ppb – Tl, Th.) Made daily by diluting 0.5ml of the LOW LEVEL STD calibration standard up to a 10ml final volume, (40,000 fold dilution of ST070309-7).

LOW/100 LEVEL STD (0.2 ppb - Al; 0.05 ppb - Pb; 0.02 ppb - As, Se; 0.01ppb –Cd, Ag, Sb, U, Mo; 0.0005ppb – Tl, Th.) Made daily by diluting 1.0ml of the LOW/10 LEVEL STD calibration standard up to a 10ml final volume, (200,000 fold dilution of ST070309-7).

INTERFERENCE CHECK SOLUTIONS

ICSA Made daily by diluting 0.1ml of (ST071130-3--EXPIRES: 11/01/08) up to a 10ml final volume, (100 fold dilution). The ICSA working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Cl	212.15
Ca	30
Fe,Na	25
C	20
Al,K,Mg,P,S	10
Mo,Ti	0.2

ICSAB Made daily by diluting 0.1ml of (ST071130-3--EXPIRES: 11/01/08) and 2ml of the HIGH STD calibration standard up to a 10ml final volume. (This solution is a 100 fold dilution of ST071130-3 and a 1000 fold dilution of ST070309-7.) The ICSAB working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Cl	212.15
Ca	30
Fe,Na	25
C	20
Al,K,Mg,P,S	10
Mo,Ti	0.2
Pb	0.01
As,Se	0.004
Ag,Sb,U,Cd	0.002
Tl,Th	0.0001

NOTE: When analyzing for As and/or Se, the ICSA and ICSAB solutions are passed through a cation exchange column.

ICSA_MO – Direct analysis of (ST070309-2 Expires 08-16-08). This solution is custom and made to be as close as possible to the ICSA above, without Mo. This ICSA working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Ca	30
Fe,Na	25
Al,K,Mg,P	10
Ti	0.2

ICSAB_MO Made daily by diluting 0.04ml of (ST071130-7--EXPIRES: 01/23/09) up to a 10ml final volume with ICSA (Mo) solution above (ST070309-2 Expires 08-16-08). (This solution is a 250 fold dilution of ST071130-7.) This ICSAB working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Ca	30
Fe,Na	25
Al,K,Mg,P	10
Ti	0.2
Mo	0.002
Pb	0.01
As,Se	0.004
Ag,Sb,U,Cd	0.002
Tl,Th	0.0001

CALIBRATION CHECK STANDARDS

ICV Made daily by diluting ICV second source intermediate (ST071130-7--EXPIRES: 01/23/09) 200 fold, (0.05ml up to a 10ml final volume). The ICV working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	50
Pb	12.5
As,Se	5
Ag,Sb,U,Mo,Cd	2.5
Tl,Th	0.125

CCV Made daily by diluting 2.0ml of the HIGH STD calibration standard up to a 10ml final volume, (1000 fold dilution of ST070309-7). The CCV working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	40
Pb	10
As,Se	4
Ag,Sb,U,Mo,Cd	2
Tl,Th	0.1

CRI_LOW/100 Re-analysis of the LOW/100 LEVEL STD (made daily as described above). The CRI working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	0.2
As,Se	0.02
U,Mo,Cd,Ag,Sb	0.01
Pb	0.05
Tl,Th	0.0005

CRI_LOW/20 Re-analysis of the LOW/20 LEVEL STD (made daily as described above). The CRI working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	1.0
As,Se	0.1
U,Mo,Cd,Ag,Sb	0.05
Pb	0.25
Tl,Th	0.0025

CRI_LOW/10 Re-analysis of the LOW/10 LEVEL STD (made daily as described above). The CRI working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	2.0
As,Se	0.2
U,Mo,Cd,Ag,Sb	0.1
Pb	0.5
Tl,Th	0.0050

BLANK

ICB / CCB and all diluent – 1% HNO_3, 1% HCl in double deionized water.

INTERNAL STANDARDS

Internal Standard Intermediate (ST070904-12 --EXPIRES: 08/16/08) contains 1 PPM each of Bi, Rh, In; and 2 PPM each of Ga, Pt. This intermediate is added to all standards and samples in the same proportion of 1 on top of 100. Most often this is done by adding 0.05ml of Internal Standard Intermediate on top of 5ml of sample or standard. The final concentration of internal standard in the working solutions or samples is about 10 ppb In, Rh, Bi; and 20 ppb Ga, Pt.

ACID LOT NUMBERS

HNO_3 – E22071
HCl – E33033

PIPET ID NUMBERS

1.0 to 5.0ml -- M-66
0.1 to 1.0ml – M-60
0.01 to 0.1ml -- M-56

DILUTIONS

2X dilutions made by diluting 5ml of sample to a 10ml final volume.
5X dilutions made by diluting 1ml of sample to a 5ml final volume.
10X dilutions made by diluting 1ml of sample to a 10ml final volume.
50X dilutions made by diluting 0.1ml of sample to a 5ml final volume.
100X dilutions made by diluting 0.1ml of sample to a 10ml final volume.
200X dilutions made by diluting 0.05ml of sample to a 10ml final volume.

ANALYTICAL SPIKES

0805200-3 post spiked for U at 2 ppb by diluting 0.02ml of (ST071130-7 = 500 ppb Sb and U) up to a 5 ml final volume with the 10 fold dilution of the sample digestate.

0806038-1 spiked for U at 2 ppb by diluting 0.02ml of (ST071130-7 = 500 ppb Sb and U) up to a 5 ml final volume with the 10 fold dilution of the sample.

DAILY MAINTENANCE ITEMS

1. Check / change pump tubing
2. Check / empty drain containers
3. Tune instrument per manufacturer's procedures
4. Perform ten minute stability test (include results with data package)

MONTHLY MAINTENANCE ITEMS

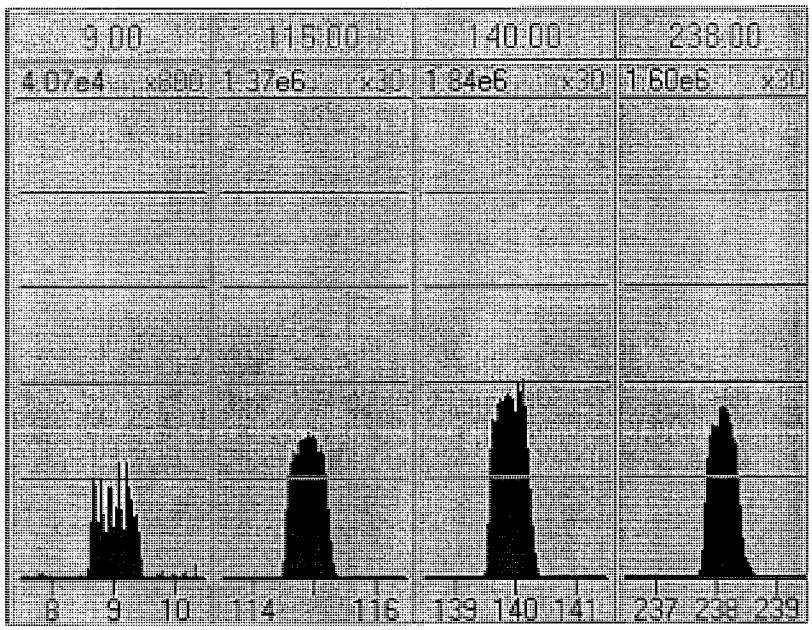
1. Check / clean torch and cones for deposits
2. Check / clean nebulizer and spray chamber
3. Check / fill water recirculating reservoirs
4. Check / fill vacuum pump oil

COMMENTS

Tuning Method Report

Method: D:\MASSLYNX PROJECTS\AUG2002.PRO\ACQUDB\14AUGJTF TUNE

Printed: Tue Jun 10 10:36:42 2008



ANALYSER	Set	Rdbk
Cone Lens	75	-89
Hex Exit Lens	400	419
Hex Bias	0.4	
LM Resolution	12.5	
High Resolution	12.5	
Ion Energy	2.0	
Multiplier	530	-545

Pressures	Rdbk
Analyser Vacuum	2.6e-5

TORCH	Set	
X-Axis	2.27	2.30
Y-Axis	-0.30	-0.29
Z-Axis	0.40	0.43
Forward Power	1355	1357

GAS	Set	
Cool Gas	13.50	13.49
Intermediate Gas	0.76	0.76
Nebuliser Gas 1	0.76	0.76
Nebuliser Gas 2	0.00	0.01
Helium	5.0	5.0
Hydrogen	5.0	5.0
Hexapole Aux	0.00	0.38
Laser Gas	0.00	0.27

Quantify Compound Summary Report
10JUN08

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 10JUN08
Last modified: Tue Jun 10 10:36:52 2008
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 11:37:26 2007
Job Code:

Printed: Tue Jun 10 10:50:47 2008

Compound 1: 9Be

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	
1	10JUN08 01			24334		0.082	10-Jun-08	10
2	10JUN08 02			24636		0.086	10-Jun-08	10
3	10JUN08 03			24823		0.068	10-Jun-08	10
4	10JUN08 04			24969		0.077	10-Jun-08	10
5	10JUN08 05			24949		0.072	10-Jun-08	10
6	10JUN08 06			25120		0.076	10-Jun-08	10
7	10JUN08 07			25219		0.067	10-Jun-08	10
8	10JUN08 08			24575		0.079	10-Jun-08	10
9	10JUN08 09			26072		0.083	10-Jun-08	10
10	10JUN08 10			24394		0.098	10-Jun-08	10

Quantify Compound Summary Report
10JUN08

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 10JUN08
Last modified: Tue Jun 10 10:36:52 2008
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 11:37:26 2007
Job Code:

Printed: Tue Jun 10 10:50:47 2008

Compound 2: 24Mg

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	
1	10JUN08 01			110735		0.038	10-Jun-08	10
2	10JUN08 02			110517		0.036	10-Jun-08	10
3	10JUN08 03			110503		0.040	10-Jun-08	10
4	10JUN08 04			110917		0.039	10-Jun-08	10
5	10JUN08 05			110727		0.031	10-Jun-08	10
6	10JUN08 06			111864		0.036	10-Jun-08	10
7	10JUN08 07			111205		0.036	10-Jun-08	10
8	10JUN08 08			113411		0.037	10-Jun-08	10
9	10JUN08 09			116351		0.036	10-Jun-08	10
10	10JUN08 10			112989		0.041	10-Jun-08	10

Quantify Compound Summary Report
10JUN08

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 10JUN08
Last modified: Tue Jun 10 10:36:52 2008
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 11:37:26 2007
Job Code:

Printed: Tue Jun 10 10:50:47 2008

Compound 3: 59Co

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	
1	10JUN08 01			466528		0.017	10-Jun-08	10
2	10JUN08 02			466725		0.013	10-Jun-08	10
3	10JUN08 03			466043		0.016	10-Jun-08	10
4	10JUN08 04			468119		0.015	10-Jun-08	10
5	10JUN08 05			466062		0.013	10-Jun-08	10
6	10JUN08 06			472014		0.014	10-Jun-08	10
7	10JUN08 07			471515		0.015	10-Jun-08	10
8	10JUN08 08			483099		0.013	10-Jun-08	10
9	10JUN08 09			486011		0.014	10-Jun-08	10
10	10JUN08 10			481867		0.015	10-Jun-08	10

Quantify Compound Summary Report
10JUN08

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 10JUN08
Last modified: Tue Jun 10 10:36:52 2008
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 11:37:26 2007
Job Code:

Printed: Tue Jun 10 10:50:47 2008

Compound 4: 60Ni

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	
1	10JUN08 01			92216		0.037	10-Jun-08	10
2	10JUN08 02			91938		0.034	10-Jun-08	10
3	10JUN08 03			92033		0.037	10-Jun-08	10
4	10JUN08 04			92841		0.037	10-Jun-08	10
5	10JUN08 05			92283		0.031	10-Jun-08	10
6	10JUN08 06			94275		0.042	10-Jun-08	10
7	10JUN08 07			93016		0.030	10-Jun-08	10
8	10JUN08 08			93992		0.036	10-Jun-08	10
9	10JUN08 09			96179		0.034	10-Jun-08	10
10	10JUN08 10			93682		0.042	10-Jun-08	10

Quantify Compound Summary Report
10JUN08

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 10JUN08
Last modified: Tue Jun 10 10:36:52 2008
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 11:37:26 2007
Job Code:

Printed: Tue Jun 10 10:50:47 2008

Compound 5: 115In

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	
1	10JUN08 01			1312274		0.007	10-Jun-08	10
2	10JUN08 02			1306076		0.005	10-Jun-08	10
3	10JUN08 03			1305198		0.007	10-Jun-08	10
4	10JUN08 04			1307356		0.007	10-Jun-08	10
5	10JUN08 05			1303954		0.007	10-Jun-08	10
6	10JUN08 06			1319278		0.007	10-Jun-08	10
7	10JUN08 07			1312786		0.006	10-Jun-08	10
8	10JUN08 08			1348590		0.008	10-Jun-08	10
9	10JUN08 09			1347986		0.006	10-Jun-08	10
10	10JUN08 10			1340203		0.008	10-Jun-08	10

Quantify Compound Summary Report
10JUN08

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 10JUN08
Last modified: Tue Jun 10 10:36:52 2008
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 11:37:26 2007
Job Code:

Printed: Tue Jun 10 10:50:47 2008

Compound 6: 140Ce

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	I
1	10JUN08 01			1679196		0.005	10-Jun-08	10
2	10JUN08 02			1673692		0.006	10-Jun-08	10
3	10JUN08 03			1673893		0.007	10-Jun-08	10
4	10JUN08 04			1678080		0.006	10-Jun-08	10
5	10JUN08 05			1674880		0.005	10-Jun-08	10
6	10JUN08 06			1692782		0.006	10-Jun-08	10
7	10JUN08 07			1682780		0.006	10-Jun-08	10
8	10JUN08 08			1731822		0.007	10-Jun-08	10
9	10JUN08 09			1732114		0.006	10-Jun-08	10
10	10JUN08 10			1716850		0.006	10-Jun-08	10

Quantify Compound Summary Report
10JUN08

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 10JUN08
Last modified: Tue Jun 10 10:36:52 2008
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 11:37:26 2007
Job Code:

Printed: Tue Jun 10 10:50:47 2008

Compound 10: Lead

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	
1	10JUN08 01			1276205		0.000	10-Jun-08	10
2	10JUN08 02			1276891		0.000	10-Jun-08	10
3	10JUN08 03			1273971		0.000	10-Jun-08	10
4	10JUN08 04			1275443		0.000	10-Jun-08	10
5	10JUN08 05			1274533		0.000	10-Jun-08	10
6	10JUN08 06			1280306		0.000	10-Jun-08	10
7	10JUN08 07			1282158		0.000	10-Jun-08	10
8	10JUN08 08			1312201		0.000	10-Jun-08	10
9	10JUN08 09			1323657		0.000	10-Jun-08	10
10	10JUN08 10			1315442		0.000	10-Jun-08	10

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 10JUN08
Last modified: Tue Jun 10 10:36:52 2008
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 11:37:26 2007
Job Code:

Printed: Tue Jun 10 10:50:47 2008

Compound 11: 209Bi

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	
1	10JUN08 01			1125833		0.008	10-Jun-08	10
2	10JUN08 02			1124663		0.007	10-Jun-08	10
3	10JUN08 03			1122615		0.010	10-Jun-08	10
4	10JUN08 04			1120421		0.007	10-Jun-08	10
5	10JUN08 05			1122048		0.008	10-Jun-08	10
6	10JUN08 06			1127113		0.009	10-Jun-08	10
7	10JUN08 07			1131246		0.009	10-Jun-08	10
8	10JUN08 08			1157906		0.006	10-Jun-08	10
9	10JUN08 09			1163228		0.010	10-Jun-08	10
10	10JUN08 10			1158841		0.007	10-Jun-08	10

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 10JUN08
Last modified: Tue Jun 10 10:36:52 2008
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 11:37:26 2007
Job Code:

Printed: Tue Jun 10 10:50:47 2008

Compound 12: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	
1	10JUN08 01			1579941		0.006	10-Jun-08	10
2	10JUN08 02			1579209		0.007	10-Jun-08	10
3	10JUN08 03			1576631		0.008	10-Jun-08	10
4	10JUN08 04			1578460		0.008	10-Jun-08	10
5	10JUN08 05			1574034		0.006	10-Jun-08	10
6	10JUN08 06			1581440		0.008	10-Jun-08	10
7	10JUN08 07			1584585		0.007	10-Jun-08	10
8	10JUN08 08			1625655		0.007	10-Jun-08	10
9	10JUN08 09			1627209		0.007	10-Jun-08	10
10	10JUN08 10			1612615		0.007	10-Jun-08	10

Quantify Compound Summary Report
10JUN08

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 10JUN08
Last modified: Tue Jun 10 10:36:52 2008
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 11:37:26 2007
Job Code:

Printed: Tue Jun 10 10:50:47 2008

Compound 13: 254UO

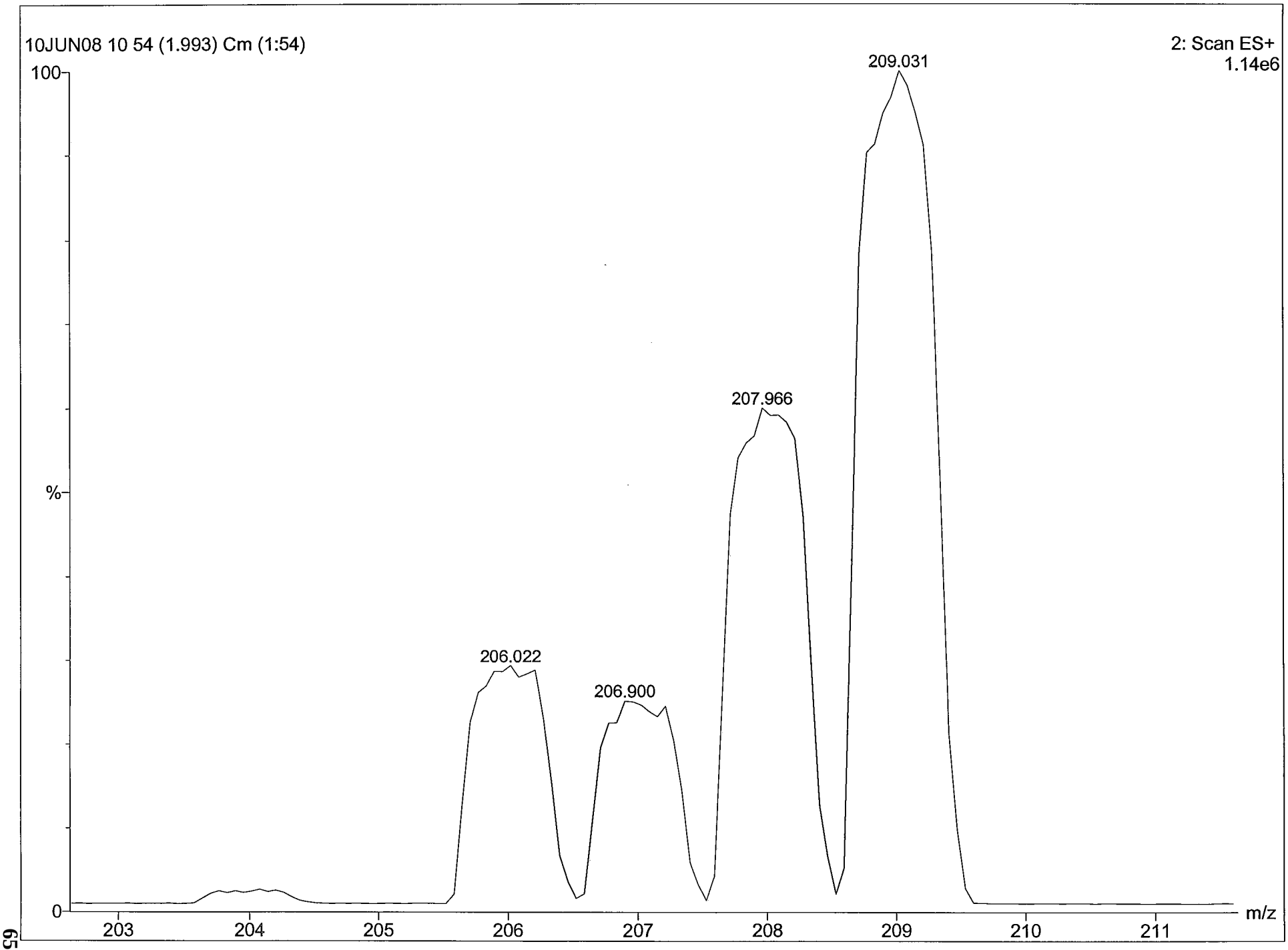
#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	A
1	10JUN08 01			119679		0.031	10-Jun-08	10
2	10JUN08 02			120797		0.036	10-Jun-08	10
3	10JUN08 03			121472		0.032	10-Jun-08	10
4	10JUN08 04			121217		0.044	10-Jun-08	10
5	10JUN08 05			121306		0.038	10-Jun-08	10
6	10JUN08 06			122710		0.031	10-Jun-08	10
7	10JUN08 07			123030		0.043	10-Jun-08	10
8	10JUN08 08			127146		0.030	10-Jun-08	10
9	10JUN08 09			129451		0.034	10-Jun-08	10
10	10JUN08 10							

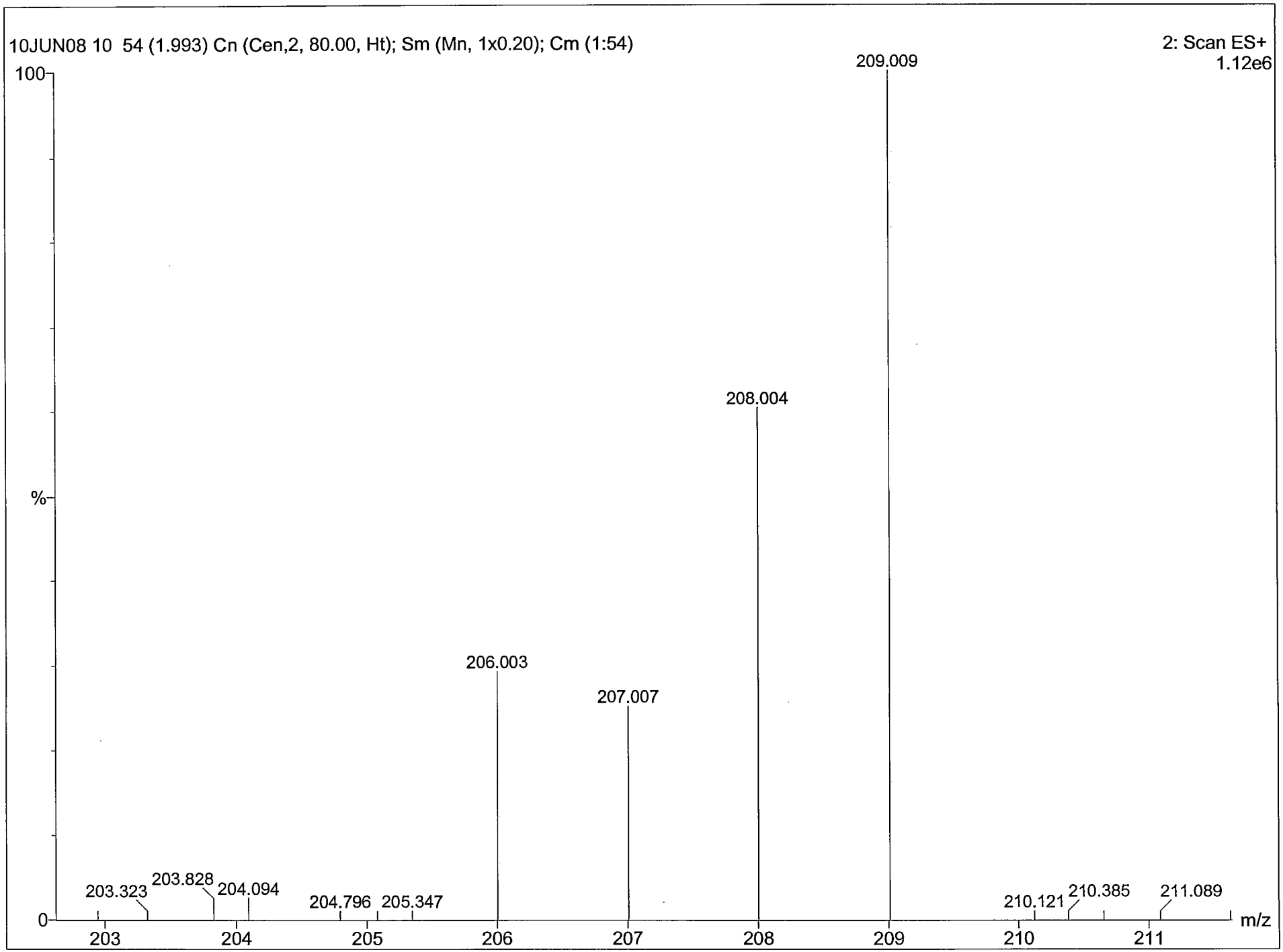
Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 10JUN08
Last modified: Tue Jun 10 10:36:52 2008
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 11:37:26 2007
Job Code:

Printed: Tue Jun 10 10:50:47 2008

Compound 14: 220BKGD

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	A
1	10JUN08 01			64		6.014	10-Jun-08	10
2	10JUN08 02			63		6.598	10-Jun-08	10
3	10JUN08 03			63		6.527	10-Jun-08	10
4	10JUN08 04			60		7.448	10-Jun-08	10
5	10JUN08 05			62		7.482	10-Jun-08	10
6	10JUN08 06			76		5.180	10-Jun-08	10
7	10JUN08 07			60		6.856	10-Jun-08	10
8	10JUN08 08			32		10.884	10-Jun-08	10
9	10JUN08 09			62		6.371	10-Jun-08	10
10	10JUN08 10			35		10.173	10-Jun-08	10


10JUN08 10 54 (1.993) Cm (1:54)
2: Scan ES+
1.14e6
100
%
0
209.031
207.966
206.022
206.900
203
204
205
206
207
208
209
210
211
m/z


10JUN08 10 54 (1.993) Cn (Cen,2, 80.00, Ht); Sm (Mn, 1x0.20); Cm (1:54)
2: Scan ES+
1.12e6
100
%
0
209.009
208.004
206.003
207.007
203.323
203.828
204.094
204.796
205.347
210.121
210.385
211.089
m/z
203
204
205
206
207
208
209
210
211

Quantify Compound Summary Report
10JUN08A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\10JUN08A
Last modified: Wed Jun 11 10:10:52 2008
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\U_only+IS
Last modified: Tue Jun 10 12:26:24 2008
Job Code:

Printed: Wed Jun 11 10:12:39 2008

Compound 6: 2Uranium

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	10JUN08A 01	RINSE	0.00084354	177	1152384	0.000	10-Jun-08	11:33:55	2
2	10JUN08A 02	RINSE	0.0010687	215	1168224	0.000	10-Jun-08	11:35:26	2
3	10JUN08A 03	RINSE	0.0012048	229	1131152	0.000	10-Jun-08	11:37:15	2
4	10JUN08A 04	RINSE	0.00093677	194	1167248	0.000	10-Jun-08	11:39:04	2
5	10JUN08A 05	0 STD	0.0010498	210	1157056	0.000	10-Jun-08	11:41:13	2
6	10JUN08A 06	L/100 STD	0.010102	1622	1153840	0.000	10-Jun-08	11:43:23	2
7	10JUN08A 07	L/20 STD	0.046597	7040	1109664	0.000	10-Jun-08	11:45:33	2
8	10JUN08A 08	L/10 STD	0.094138	14573	1139968	0.000	10-Jun-08	11:47:43	2
9	10JUN08A 09	LOW/2 STD	0.50248	75219	1100208	0.000	10-Jun-08	11:49:54	2
10	10JUN08A 10	LOW STD	1.0036	152695	1112960	0.000	10-Jun-08	11:52:04	2
11	10JUN08A 11	MID STD	2.0084	319015	1151936	0.000	10-Jun-08	11:54:15	2
12	10JUN08A 12	HIGH/2 STD	4.9932	790058	1130336	0.000	10-Jun-08	11:56:47	2
13	10JUN08A 13	HIGH STD	10.001	1609615	1160768	0.000	10-Jun-08	11:59:34	2
14	10JUN08A 14	HIGH STD READBACK	10.071	1559404	1117328	0.000	10-Jun-08	12:02:36	2
15	10JUN08A 15	ICV	2.5813	406774	1138176	0.000	10-Jun-08	12:05:38	2
16	10JUN08A 16	ICB	0.0053140	860	1134288	0.000	10-Jun-08	12:10:12	2
17	10JUN08A 17	CRI_L/100	0.011979	1846	1112272	0.000	10-Jun-08	12:12:25	2
18	10JUN08A 18	ICSA	0.0021909	319	949952	0.000	10-Jun-08	12:15:26	2
19	10JUN08A 19	ICSAB	2.2193	300830	981504	0.000	10-Jun-08	12:17:37	2
20	10JUN08A 20	CCV	2.0636	311889	1095632	0.000	10-Jun-08	12:19:47	2
21	10JUN08A 21	CCB	0.0036608	553	1034432	0.000	10-Jun-08	12:21:58	2
22	10JUN08A 22	IP080606-3MB 10X	0.0012812	211	991600	0.000	10-Jun-08	12:31:27	2
23	10JUN08A 23	IM080606-3LCS 10X	2.1056	301233	1036752	0.000	10-Jun-08	12:33:37	2
24	10JUN08A 24	0806013-1 10X	3.6765	507783	991344	0.000	10-Jun-08	12:35:48	2
25	10JUN08A 25	0806013-1D 10X	3.7292	512412	986000	0.000	10-Jun-08	12:37:59	2
26	10JUN08A 26	0806013-1L 50X	0.74553	105349	1036144	0.000	10-Jun-08	12:40:12	2
27	10JUN08A 27	0806013-1MS 10X	6.0245	844222	999488	0.000	10-Jun-08	12:42:24	2
28	10JUN08A 28	0806013-1MSD 10X	6.1668	853906	987552	0.000	10-Jun-08	12:44:36	2
29	10JUN08A 29	0806013-2 10X	1.5988	227680	1036176	0.000	10-Jun-08	12:46:49	2
30	10JUN08A 30	0806013-3 10X	1.0787	148409	1005664	0.000	10-Jun-08	12:49:02	2
31	10JUN08A 31	0806013-4 10X	5.8930	820517	993200	0.000	10-Jun-08	12:51:14	2

Quantify Compound Summary Report
10JUN08A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\10JUN08A
Last modified: Wed Jun 11 10:10:52 2008
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\U_only+IS
Last modified: Tue Jun 10 12:26:24 2008
Job Code:

Printed: Wed Jun 11 10:12:39 2008

Compound 6: 2Uranium

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
32	10JUN08A 32	CCV	2.0766	299252	1044544	0.000	10-Jun-08	12:53:23	2
33	10JUN08A 33	CCB	0.0066629	971	1032288	0.000	10-Jun-08	12:55:34	2
34	10JUN08A 34	0806013-5 50X	1.5243	213346	1019072	0.000	10-Jun-08	12:57:45	2
35	10JUN08A 35	0806013-6 50X	1.5152	216946	1042528	0.000	10-Jun-08	12:59:56	2
36	10JUN08A 36	0806013-7 10X	3.3307	453122	978192	0.000	10-Jun-08	13:02:07	2
37	10JUN08A 37	0806013-8 10X	1.4210	190401	976416	0.000	10-Jun-08	13:04:19	2
38	10JUN08A 38	0806013-9 10X	2.6292	354084	972384	0.000	10-Jun-08	13:06:32	2
39	10JUN08A 39	0806013-10 10X	1.9428	258018	963648	0.000	10-Jun-08	13:08:44	2
40	10JUN08A 40	0806013-11 10X	0.87068	117933	992016	0.000	10-Jun-08	13:10:57	2
41	10JUN08A 41	0806013-12 10X	4.3790	609055	995408	0.000	10-Jun-08	13:13:09	2
42	10JUN08A 42	0806013-13 10X	3.8693	524110	971376	0.000	10-Jun-08	13:15:22	2
43	10JUN08A 43	0806013-14 10X	4.2545	596121	1003248	0.000	10-Jun-08	13:17:35	2
44	10JUN08A 44	CCV	2.0898	302881	1050432	0.000	10-Jun-08	13:19:49	2
45	10JUN08A 45	CCB	0.0068391	997	1033744	0.000	10-Jun-08	13:22:01	2
46	10JUN08A 46	0806013-16 100X	2.4306	334813	995936	0.000	10-Jun-08	13:24:12	2
47	10JUN08A 47	0806013-17 10X	0.55062	76005	1014048	0.000	10-Jun-08	13:26:22	2
48	10JUN08A 48	0806013-18 10X	2.6654	354893	961136	0.000	10-Jun-08	13:28:32	2
49	10JUN08A 49	0806013-19 10X	3.4641	462043	958368	0.000	10-Jun-08	13:30:43	2
50	10JUN08A 50	0806013-20 10X	0.29426	40779	1020368	0.000	10-Jun-08	13:32:54	2
51	10JUN08A 51	0806013-21 10X	1.6482	222410	981440	0.000	10-Jun-08	13:35:06	2
52	10JUN08A 52	CCV	2.0876	284948	989296	0.000	10-Jun-08	13:48:22	2
53	10JUN08A 53	CCB	0.0029654	436	989664	0.000	10-Jun-08	13:50:33	2
54	10JUN08A 54	IP080606-5MB 10X	0.0084441	1103	933520	0.000	10-Jun-08	13:52:44	2
55	10JUN08A 55	IM080606-5LCS 10X	2.2025	286283	941280	0.000	10-Jun-08	13:54:54	2
56	10JUN08A 56	0805247-27 10X	1.6993	229638	982464	0.000	10-Jun-08	13:57:04	2
57	10JUN08A 57	0805247-28 10X	5.8183	800428	981392	0.000	10-Jun-08	13:59:13	2
58	10JUN08A 58	0805247-29 10X	1.3730	187452	995312	0.000	10-Jun-08	14:01:23	2
59	10JUN08A 59	0805247-30 10X	0.92065	124230	987792	0.000	10-Jun-08	14:03:33	2
60	10JUN08A 60	0805247-1 10000X	3.3134	459673	997584	0.000	10-Jun-08	14:05:44	2
61	10JUN08A 61	0805247-2 1000X	2.4753	338209	987552	0.000	10-Jun-08	14:07:55	2
62	10JUN08A 62	0805247-3 10000X	4.7656	647915	971840	0.000	10-Jun-08	14:10:07	2

Quantify Compound Summary Report
10JUN08A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\10JUN08A
Last modified: Wed Jun 11 10:10:52 2008
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\U_only+IS
Last modified: Tue Jun 10 12:26:24 2008
Job Code:

Printed: Wed Jun 11 10:12:39 2008

Compound 6: 2Uranium

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
63	10JUN08A 63	0805247-4 1000X	2.7791	376539	977344	0.000	10-Jun-08	14:12:19	2
64	10JUN08A 64	CCV	2.0860	276754	961600	0.000	10-Jun-08	14:14:31	2
65	10JUN08A 65	CCB	0.0036791	516	960752	0.000	10-Jun-08	14:19:02	2
66	10JUN08A 66	0805247-5 10000X	1.8824	248479	958272	0.000	10-Jun-08	14:21:13	2
67	10JUN08A 67	0805247-6 10000X	2.9156	394010	973968	0.000	10-Jun-08	14:23:24	2
68	10JUN08A 68	0805247-7 5000X	2.1282	286461	975296	0.000	10-Jun-08	14:25:36	2
69	10JUN08A 69	0805247-8 50000X	1.9602	262342	970992	0.000	10-Jun-08	14:27:47	2
70	10JUN08A 70	0805247-9 10000X	3.2946	442480	965872	0.000	10-Jun-08	14:29:57	2
71	10JUN08A 71	0805247-10 5000X	2.9259	401046	987824	0.000	10-Jun-08	14:32:08	2
72	10JUN08A 72	0805247-11 5000X	2.4725	330991	967584	0.000	10-Jun-08	14:34:19	2
73	10JUN08A 73	0805247-12 1000X	3.7644	502437	957616	0.000	10-Jun-08	14:36:29	2
74	10JUN08A 74	0805247-13 500X	2.5768	340475	954368	0.000	10-Jun-08	14:38:40	2
75	10JUN08A 75	0805247-16 10000X	6.1241	817028	951504	0.000	10-Jun-08	14:40:52	2
76	10JUN08A 76	CCV	2.0921	281730	976016	0.000	10-Jun-08	14:43:04	2
77	10JUN08A 77	CCB	0.0047058	647	957200	0.000	10-Jun-08	14:47:36	2
78	10JUN08A 78	0805247-17 5000X	2.4304	326924	972560	0.000	10-Jun-08	14:49:47	2
79	10JUN08A 79	0805247-26 500X	2.5824	355530	994368	0.000	10-Jun-08	14:51:59	2
80	10JUN08A 80	0805247-26D 500X	0.64944	87790	992112	0.000	10-Jun-08	14:54:12	2
81	10JUN08A 81	0805247-26L 2500X	0.50291	65775	961248	0.000	10-Jun-08	14:56:26	2
82	10JUN08A 82	0805247-26MS 500X	0.27786	37077	982608	0.000	10-Jun-08	14:58:39	2
83	10JUN08A 83	0805247-26MSD 500X	0.76367	99941	959440	0.000	10-Jun-08	15:00:50	2
84	10JUN08A 84	CCV	2.0946	279816	968192	0.000	10-Jun-08	15:03:00	2
85	10JUN08A 85	CCB	0.0030592	436	961984	0.000	10-Jun-08	15:07:31	2
86	10JUN08A 86	IP080610-21MB 10X	0.0010480	167	921408	0.000	10-Jun-08	15:24:42	2
87	10JUN08A 87	IP080610-21LCS 10X	2.2616	290688	930400	0.000	10-Jun-08	15:26:51	2
88	10JUN08A 88	IP080610-21LCSD 10X	2.2131	283530	927712	0.000	10-Jun-08	15:29:03	2
89	10JUN08A 89	0805200-3 10X	0.0073215	1069	1038160	0.000	10-Jun-08	15:31:14	2
90	10JUN08A 90	0805200-3L 50X	0.0027136	465	1143936	0.000	10-Jun-08	15:33:26	2
91	10JUN08A 91	0805200-3A 10X	2.3886	360624	1091888	0.000	10-Jun-08	15:35:39	2
92	10JUN08A 92	0805200-7 10X	0.034231	5464	1169904	0.000	10-Jun-08	15:37:53	2
93	10JUN08A 93	0805200-11 10X	0.017417	2838	1184832	0.000	10-Jun-08	15:40:05	2

Quantify Compound Summary Report
10JUN08A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\10JUN08A
Last modified: Wed Jun 11 10:10:52 2008
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\U_only+IS
Last modified: Tue Jun 10 12:26:24 2008
Job Code:

Printed: Wed Jun 11 10:12:39 2008

Compound 6: 2Uranium

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
94	10JUN08A 94	0805200-15 10X	0.010554	1698	1157488	0.000	10-Jun-08	15:42:20	2
95	10JUN08A 95	0805200-19 10X	0.0041838	721	1191088	0.000	10-Jun-08	15:44:33	2
96	10JUN08A 96	CCV	2.0557	375715	1324992	0.000	10-Jun-08	15:46:43	2
97	10JUN08A 97	CCB	0.0054745	964	1236064	0.000	10-Jun-08	15:48:55	2
98	10JUN08A 98	0805200-23 10X	0.0057413	943	1155664	0.000	10-Jun-08	15:51:05	2
99	10JUN08A 99	0805200-25 10X	0.0095549	1544	1159344	0.000	10-Jun-08	15:53:16	2
100	10JUN08A 100	0805200-28 10X	0.0040048	682	1173600	0.000	10-Jun-08	15:55:28	2
101	10JUN08A 101	0805200-32 10X	0.0033518	607	1231712	0.000	10-Jun-08	15:57:40	2
102	10JUN08A 102	0805200-36 10X	0.0057118	983	1210608	0.000	10-Jun-08	15:59:52	2
103	10JUN08A 103	0805200-4 50X	0.011858	1648	1002880	0.000	10-Jun-08	16:02:03	2
104	10JUN08A 104	0805200-8 50X	0.027250	3692	990928	0.000	10-Jun-08	16:04:17	2
105	10JUN08A 105	0805200-12 50X	0.0070274	949	958656	0.000	10-Jun-08	16:06:30	2
106	10JUN08A 106	0805200-16 50X	0.012118	1507	897824	0.000	10-Jun-08	16:08:44	2
107	10JUN08A 107	0805200-20 50X	0.0094031	1164	887696	0.000	10-Jun-08	16:10:58	2
108	10JUN08A 108	CCV	2.0909	361443	1252880	0.000	10-Jun-08	16:13:13	2
109	10JUN08A 109	CCB	0.0050575	892	1232896	0.000	10-Jun-08	16:15:25	2
110	10JUN08A 110	0805200-24 50X	0.023420	2766	862352	0.000	10-Jun-08	16:17:36	2
111	10JUN08A 111	0805200-29 50X	0.012707	1715	975440	0.000	10-Jun-08	16:19:47	2
112	10JUN08A 112	0805200-33 50X	0.012176	1564	927424	0.000	10-Jun-08	16:21:59	2
113	10JUN08A 113	0805200-37 50X	0.012609	1640	939904	0.000	10-Jun-08	16:24:10	2
114	10JUN08A 114	0806038-1 10X	0.14726	24507	1226112	0.000	10-Jun-08	16:31:49	2
115	10JUN08A 115	0806038-1L 50X	0.026948	4579	1242640	0.000	10-Jun-08	16:33:48	2
116	10JUN08A 116	0806038-1MS 10X	2.4043	420319	1264192	0.000	10-Jun-08	16:35:48	2
117	10JUN08A 117	0806038-1MSD 10X	2.4188	409643	1224576	0.000	10-Jun-08	16:37:47	2
118	10JUN08A 118	0806038-2 10X	0.15352	25472	1222480	0.000	10-Jun-08	16:39:47	2
119	10JUN08A 119	0806038-3 500X	4.9513	854329	1232768	0.000	10-Jun-08	16:42:17	2
120	10JUN08A 120	CCV	2.0820	356024	1239440	0.000	10-Jun-08	16:44:18	2
121	10JUN08A 121	CCB	0.0061618	1114	1276272	0.000	10-Jun-08	16:46:50	2
122	10JUN08A 122	0806038-4 50X	3.3067	564425	1227456	0.000	10-Jun-08	16:49:23	2
123	10JUN08A 123	0806038-5 100X	3.1110	553670	1281216	0.000	10-Jun-08	16:51:25	2
124	10JUN08A 124	ZZZZZZ		2175124	839264	0.000	10-Jun-08	16:53:27	2

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\10JUN08A
Last modified: Wed Jun 11 10:10:52 2008
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\U_only+IS
Last modified: Tue Jun 10 12:26:24 2008
Job Code:

Printed: Wed Jun 11 10:12:39 2008

Compound 6: 2Uranium

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
125	10JUN08A 125	0806038-7 50X	3.6207	639647	1268384	0.000	10-Jun-08	16:55:29	2
126	10JUN08A 126	ZZZZZZ	0	3040969	877024	0.000	10-Jun-08	16:57:31	2
127	10JUN08A 127	0806038-9 500X	3.1638	548709	1248176	0.000	10-Jun-08	16:59:34	2
128	10JUN08A 128	0806038-10 500X	6.1547	1023612	1186144	0.000	10-Jun-08	17:01:36	2
129	10JUN08A 129	0806038-11 500X	5.5947	935755	1193472	0.000	10-Jun-08	17:03:37	2
130	10JUN08A 130	0806038-12 500X	5.4090	904175	1193136	0.000	10-Jun-08	17:05:37	2
131	10JUN08A 131	0806038-13 100X	4.4634	744305	1193120	0.000	10-Jun-08	17:07:37	2
132	10JUN08A 132	CCV	2.0829	347036	1207632	0.000	10-Jun-08	17:09:38	2
133	10JUN08A 133	CCB	0.0093978	1581	1206368	0.000	10-Jun-08	17:12:10	2
134	10JUN08A 134	0806038-14 100X	7.4213	1202700	1156784	0.000	10-Jun-08	17:14:44	2
135	10JUN08A 135	0806038-15 500X	3.5574	566352	1143360	0.000	10-Jun-08	17:16:46	2
136	10JUN08A 136	0806038-16 500X	3.0367	508536	1206080	0.000	10-Jun-08	17:18:47	2
137	10JUN08A 137	0806038-17 500X	4.6170	765074	1185024	0.000	10-Jun-08	17:21:59	2
138	10JUN08A 138	0806038-18 500X	6.1615	1011119	1170368	0.000	10-Jun-08	17:24:00	2
139	10JUN08A 139	0806038-19 500X	3.9968	664669	1191936	0.000	10-Jun-08	17:26:02	2
140	10JUN08A 140	0806038-6 200X	4.2333	603231	1020368	0.000	10-Jun-08	17:28:05	2
141	10JUN08A 141	0806038-8 200X	7.1452	1029625	1028160	0.000	10-Jun-08	17:30:07	2
142	10JUN08A 142	CCV	2.0852	340637	1184016	0.000	10-Jun-08	17:32:09	2
143	10JUN08A 143	CCB	0.0094947	1550	1171008	0.000	10-Jun-08	17:34:41	2
144	10JUN08A 144	RINSE							

Quantify Compound Summary Report
10JUN08A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\10JUN08A
Last modified: Wed Jun 11 10:10:52 2008
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\U_only+IS
Last modified: Tue Jun 10 12:26:24 2008
Job Code:

Printed: Wed Jun 11 10:12:39 2008

Compound 2: 209Bi

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	10JUN08A 01	RINSE	1.0151	1152384		0.011	10-Jun-08	11:33:55	0
2	10JUN08A 02	RINSE	1.0291	1168224		0.012	10-Jun-08	11:35:26	0
3	10JUN08A 03	RINSE	0.99644	1131152		0.013	10-Jun-08	11:37:15	0
4	10JUN08A 04	RINSE	1.0282	1167248		0.011	10-Jun-08	11:39:04	0
5	10JUN08A 05	0 STD	1.0193	1157056		0.013	10-Jun-08	11:41:13	0
6	10JUN08A 06	L/100 STD	1.0164	1153840		0.011	10-Jun-08	11:43:23	0
7	10JUN08A 07	L/20 STD	0.97751	1109664		0.014	10-Jun-08	11:45:33	0
8	10JUN08A 08	L/10 STD	1.0042	1139968		0.013	10-Jun-08	11:47:43	0
9	10JUN08A 09	LOW/2 STD	0.96918	1100208		0.014	10-Jun-08	11:49:54	0
10	10JUN08A 10	LOW STD	0.98041	1112960		0.014	10-Jun-08	11:52:04	0
11	10JUN08A 11	MID STD	1.0147	1151936		0.011	10-Jun-08	11:54:15	0
12	10JUN08A 12	HIGH/2 STD	0.99572	1130336		0.012	10-Jun-08	11:56:47	0
13	10JUN08A 13	HIGH STD	1.0225	1160768		0.010	10-Jun-08	11:59:34	0
14	10JUN08A 14	HIGH STD READBACK	0.98426	1117328		0.011	10-Jun-08	12:02:36	0
15	10JUN08A 15	ICV	1.0026	1138176		0.012	10-Jun-08	12:05:38	0
16	10JUN08A 16	ICB	0.99920	1134288		0.012	10-Jun-08	12:10:12	0
17	10JUN08A 17	CRI_L/100	0.97981	1112272		0.015	10-Jun-08	12:12:25	0
18	10JUN08A 18	ICSA	0.83682	949952		0.011	10-Jun-08	12:15:26	0
19	10JUN08A 19	ICSAB	0.86461	981504		0.010	10-Jun-08	12:17:37	0
20	10JUN08A 20	CCV	0.96515	1095632		0.019	10-Jun-08	12:19:47	0
21	10JUN08A 21	CCB	0.91124	1034432		0.022	10-Jun-08	12:21:58	0
22	10JUN08A 22	IP080606-3MB 10X	0.87351	991600		0.022	10-Jun-08	12:31:27	0
23	10JUN08A 23	IM080606-3LCS 10X	0.91328	1036752		0.020	10-Jun-08	12:33:37	0
24	10JUN08A 24	0806013-1 10X	0.87328	991344		0.015	10-Jun-08	12:35:48	0
25	10JUN08A 25	0806013-1D 10X	0.86857	986000		0.013	10-Jun-08	12:37:59	0
26	10JUN08A 26	0806013-1L 50X	0.91275	1036144		0.018	10-Jun-08	12:40:12	0
27	10JUN08A 27	0806013-1MS 10X	0.88046	999488		0.013	10-Jun-08	12:42:24	0
28	10JUN08A 28	0806013-1MSD 10X	0.86994	987552		0.013	10-Jun-08	12:44:36	0
29	10JUN08A 29	0806013-2 10X	0.91278	1036176		0.014	10-Jun-08	12:46:49	0
30	10JUN08A 30	0806013-3 10X	0.88590	1005664		0.018	10-Jun-08	12:49:02	0
31	10JUN08A 31	0806013-4 10X	0.87492	993200		0.012	10-Jun-08	12:51:14	0

Quantify Compound Summary Report
10JUN08A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\10JUN08A
Last modified: Wed Jun 11 10:10:52 2008
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\U_only+IS
Last modified: Tue Jun 10 12:26:24 2008
Job Code:

Printed: Wed Jun 11 10:12:39 2008

Compound 2: 209Bi

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
32	10JUN08A 32	CCV	0.92015	1044544		0.019	10-Jun-08	12:53:23	0
33	10JUN08A 33	CCB	0.90935	1032288		0.022	10-Jun-08	12:55:34	0
34	10JUN08A 34	0806013-5 50X	0.89771	1019072		0.020	10-Jun-08	12:57:45	0
35	10JUN08A 35	0806013-6 50X	0.91837	1042528		0.019	10-Jun-08	12:59:56	0
36	10JUN08A 36	0806013-7 10X	0.86170	978192		0.018	10-Jun-08	13:02:07	0
37	10JUN08A 37	0806013-8 10X	0.86013	976416		0.020	10-Jun-08	13:04:19	0
38	10JUN08A 38	0806013-9 10X	0.85658	972384		0.019	10-Jun-08	13:06:32	0
39	10JUN08A 39	0806013-10 10X	0.84888	963648		0.016	10-Jun-08	13:08:44	0
40	10JUN08A 40	0806013-11 10X	0.87387	992016		0.019	10-Jun-08	13:10:57	0
41	10JUN08A 41	0806013-12 10X	0.87686	995408		0.018	10-Jun-08	13:13:09	0
42	10JUN08A 42	0806013-13 10X	0.85569	971376		0.017	10-Jun-08	13:15:22	0
43	10JUN08A 43	0806013-14 10X	0.88377	1003248		0.017	10-Jun-08	13:17:35	0
44	10JUN08A 44	CCV	0.92533	1050432		0.019	10-Jun-08	13:19:49	0
45	10JUN08A 45	CCB	0.91063	1033744		0.022	10-Jun-08	13:22:01	0
46	10JUN08A 46	0806013-16 100X	0.87733	995936		0.018	10-Jun-08	13:24:12	0
47	10JUN08A 47	0806013-17 10X	0.89328	1014048		0.020	10-Jun-08	13:26:22	0
48	10JUN08A 48	0806013-18 10X	0.84667	961136		0.015	10-Jun-08	13:28:32	0
49	10JUN08A 49	0806013-19 10X	0.84423	958368		0.015	10-Jun-08	13:30:43	0
50	10JUN08A 50	0806013-20 10X	0.89885	1020368		0.020	10-Jun-08	13:32:54	0
51	10JUN08A 51	0806013-21 10X	0.86456	981440		0.020	10-Jun-08	13:35:06	0
52	10JUN08A 52	CCV	0.87148	989296		0.021	10-Jun-08	13:48:22	0
53	10JUN08A 53	CCB	0.87180	989664		0.022	10-Jun-08	13:50:33	0
54	10JUN08A 54	IP080606-5MB 10X	0.82234	933520		0.025	10-Jun-08	13:52:44	0
55	10JUN08A 55	IM080606-5LCS 10X	0.82918	941280		0.023	10-Jun-08	13:54:54	0
56	10JUN08A 56	0805247-27 10X	0.86546	982464		0.010	10-Jun-08	13:57:04	0
57	10JUN08A 57	0805247-28 10X	0.86452	981392		0.009	10-Jun-08	13:59:13	0
58	10JUN08A 58	0805247-29 10X	0.87678	995312		0.009	10-Jun-08	14:01:23	0
59	10JUN08A 59	0805247-30 10X	0.87015	987792		0.013	10-Jun-08	14:03:33	0
60	10JUN08A 60	0805247-1 10000X	0.87878	997584		0.021	10-Jun-08	14:05:44	0
61	10JUN08A 61	0805247-2 1000X	0.86994	987552		0.021	10-Jun-08	14:07:55	0
62	10JUN08A 62	0805247-3 10000X	0.85610	971840		0.021	10-Jun-08	14:10:07	0

Quantify Compound Summary Report
10JUN08A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\10JUN08A
Last modified: Wed Jun 11 10:10:52 2008
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\U_only+IS
Last modified: Tue Jun 10 12:26:24 2008
Job Code:

Printed: Wed Jun 11 10:12:39 2008

Compound 2: 209Bi

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
63	10JUN08A 63	0805247-4 1000X	0.86095	977344		0.021	10-Jun-08	14:12:19	0
64	10JUN08A 64	CCV	0.84708	961600		0.023	10-Jun-08	14:14:31	0
65	10JUN08A 65	CCB	0.84633	960752		0.024	10-Jun-08	14:19:02	0
66	10JUN08A 66	0805247-5 10000X	0.84415	958272		0.023	10-Jun-08	14:21:13	0
67	10JUN08A 67	0805247-6 10000X	0.85798	973968		0.022	10-Jun-08	14:23:24	0
68	10JUN08A 68	0805247-7 5000X	0.85915	975296		0.022	10-Jun-08	14:25:36	0
69	10JUN08A 69	0805247-8 50000X	0.85535	970992		0.023	10-Jun-08	14:27:47	0
70	10JUN08A 70	0805247-9 10000X	0.85084	965872		0.022	10-Jun-08	14:29:57	0
71	10JUN08A 71	0805247-10 5000X	0.87018	987824		0.022	10-Jun-08	14:32:08	0
72	10JUN08A 72	0805247-11 5000X	0.85235	967584		0.022	10-Jun-08	14:34:19	0
73	10JUN08A 73	0805247-12 1000X	0.84357	957616		0.022	10-Jun-08	14:36:29	0
74	10JUN08A 74	0805247-13 500X	0.84071	954368		0.023	10-Jun-08	14:38:40	0
75	10JUN08A 75	0805247-16 10000X	0.83819	951504		0.021	10-Jun-08	14:40:52	0
76	10JUN08A 76	CCV	0.85978	976016		0.022	10-Jun-08	14:43:04	0
77	10JUN08A 77	CCB	0.84320	957200		0.024	10-Jun-08	14:47:36	0
78	10JUN08A 78	0805247-17 5000X	0.85674	972560		0.023	10-Jun-08	14:49:47	0
79	10JUN08A 79	0805247-26 500X	0.87595	994368		0.022	10-Jun-08	14:51:59	0
80	10JUN08A 80	0805247-26D 500X	0.87396	992112		0.023	10-Jun-08	14:54:12	0
81	10JUN08A 81	0805247-26L 2500X	0.84677	961248		0.024	10-Jun-08	14:56:26	0
82	10JUN08A 82	0805247-26MS 500X	0.86559	982608		0.023	10-Jun-08	14:58:39	0
83	10JUN08A 83	0805247-26MSD 500X	0.84518	959440		0.023	10-Jun-08	15:00:50	0
84	10JUN08A 84	CCV	0.85289	968192		0.022	10-Jun-08	15:03:00	0
85	10JUN08A 85	CCB	0.84742	961984		0.023	10-Jun-08	15:07:31	0
86	10JUN08A 86	IP080610-21MB 10X	0.81168	921408		0.025	10-Jun-08	15:24:42	0
87	10JUN08A 87	IP080610-21LCS 10X	0.81960	930400		0.022	10-Jun-08	15:26:51	0
88	10JUN08A 88	IP080610-21LCSD 10X	0.81723	927712		0.023	10-Jun-08	15:29:03	0
89	10JUN08A 89	0805200-3 10X	0.91452	1038160		0.009	10-Jun-08	15:31:14	0
90	10JUN08A 90	0805200-3L 50X	1.0077	1143936		0.013	10-Jun-08	15:33:26	0
91	10JUN08A 91	0805200-3A 10X	0.96185	1091888		0.008	10-Jun-08	15:35:39	0
92	10JUN08A 92	0805200-7 10X	1.0306	1169904		0.009	10-Jun-08	15:37:53	0
93	10JUN08A 93	0805200-11 10X	1.0437	1184832		0.009	10-Jun-08	15:40:05	0

Quantify Compound Summary Report
10JUN08A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\10JUN08A
Last modified: Wed Jun 11 10:10:52 2008
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\U_only+IS
Last modified: Tue Jun 10 12:26:24 2008
Job Code:

Printed: Wed Jun 11 10:12:39 2008

Compound 2: 209Bi

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
94	10JUN08A 94	0805200-15 10X	1.0196	1157488		0.009	10-Jun-08	15:42:20	0
95	10JUN08A 95	0805200-19 10X	1.0492	1191088		0.008	10-Jun-08	15:44:33	0
96	10JUN08A 96	CCV	1.1672	1324992		0.010	10-Jun-08	15:46:43	0
97	10JUN08A 97	CCB	1.0889	1236064		0.014	10-Jun-08	15:48:55	0
98	10JUN08A 98	0805200-23 10X	1.0180	1155664		0.008	10-Jun-08	15:51:05	0
99	10JUN08A 99	0805200-25 10X	1.0213	1159344		0.009	10-Jun-08	15:53:16	0
100	10JUN08A 100	0805200-28 10X	1.0338	1173600		0.008	10-Jun-08	15:55:28	0
101	10JUN08A 101	0805200-32 10X	1.0850	1231712		0.008	10-Jun-08	15:57:40	0
102	10JUN08A 102	0805200-36 10X	1.0664	1210608		0.008	10-Jun-08	15:59:52	0
103	10JUN08A 103	0805200-4 50X	0.88344	1002880		0.007	10-Jun-08	16:02:03	0
104	10JUN08A 104	0805200-8 50X	0.87292	990928		0.007	10-Jun-08	16:04:17	0
105	10JUN08A 105	0805200-12 50X	0.84449	958656		0.008	10-Jun-08	16:06:30	0
106	10JUN08A 106	0805200-16 50X	0.79090	897824		0.008	10-Jun-08	16:08:44	0
107	10JUN08A 107	0805200-20 50X	0.78198	887696		0.008	10-Jun-08	16:10:58	0
108	10JUN08A 108	CCV	1.1037	1252880		0.014	10-Jun-08	16:13:13	0
109	10JUN08A 109	CCB	1.0861	1232896		0.015	10-Jun-08	16:15:25	0
110	10JUN08A 110	0805200-24 50X	0.75965	862352		0.008	10-Jun-08	16:17:36	0
111	10JUN08A 111	0805200-29 50X	0.85927	975440		0.008	10-Jun-08	16:19:47	0
112	10JUN08A 112	0805200-33 50X	0.81697	927424		0.007	10-Jun-08	16:21:59	0
113	10JUN08A 113	0805200-37 50X	0.82797	939904		0.009	10-Jun-08	16:24:10	0
114	10JUN08A 114	0806038-1 10X	1.0801	1226112		0.014	10-Jun-08	16:31:49	0
115	10JUN08A 115	0806038-1L 50X	1.0947	1242640		0.014	10-Jun-08	16:33:48	0
116	10JUN08A 116	0806038-1MS 10X	1.1136	1264192		0.010	10-Jun-08	16:35:48	0
117	10JUN08A 117	0806038-1MSD 10X	1.0787	1224576		0.013	10-Jun-08	16:37:47	0
118	10JUN08A 118	0806038-2 10X	1.0769	1222480		0.014	10-Jun-08	16:39:47	0
119	10JUN08A 119	0806038-3 500X	1.0860	1232768		0.013	10-Jun-08	16:42:17	0
120	10JUN08A 120	CCV	1.0918	1239440		0.012	10-Jun-08	16:44:18	0
121	10JUN08A 121	CCB	1.1243	1276272		0.013	10-Jun-08	16:46:50	0
122	10JUN08A 122	0806038-4 50X	1.0813	1227456		0.013	10-Jun-08	16:49:23	0
123	10JUN08A 123	0806038-5 100X	1.1286	1281216		0.011	10-Jun-08	16:51:25	0
124	10JUN08A 124	ZZZZZZ	0.73931	839264		0.007	10-Jun-08	16:53:27	0

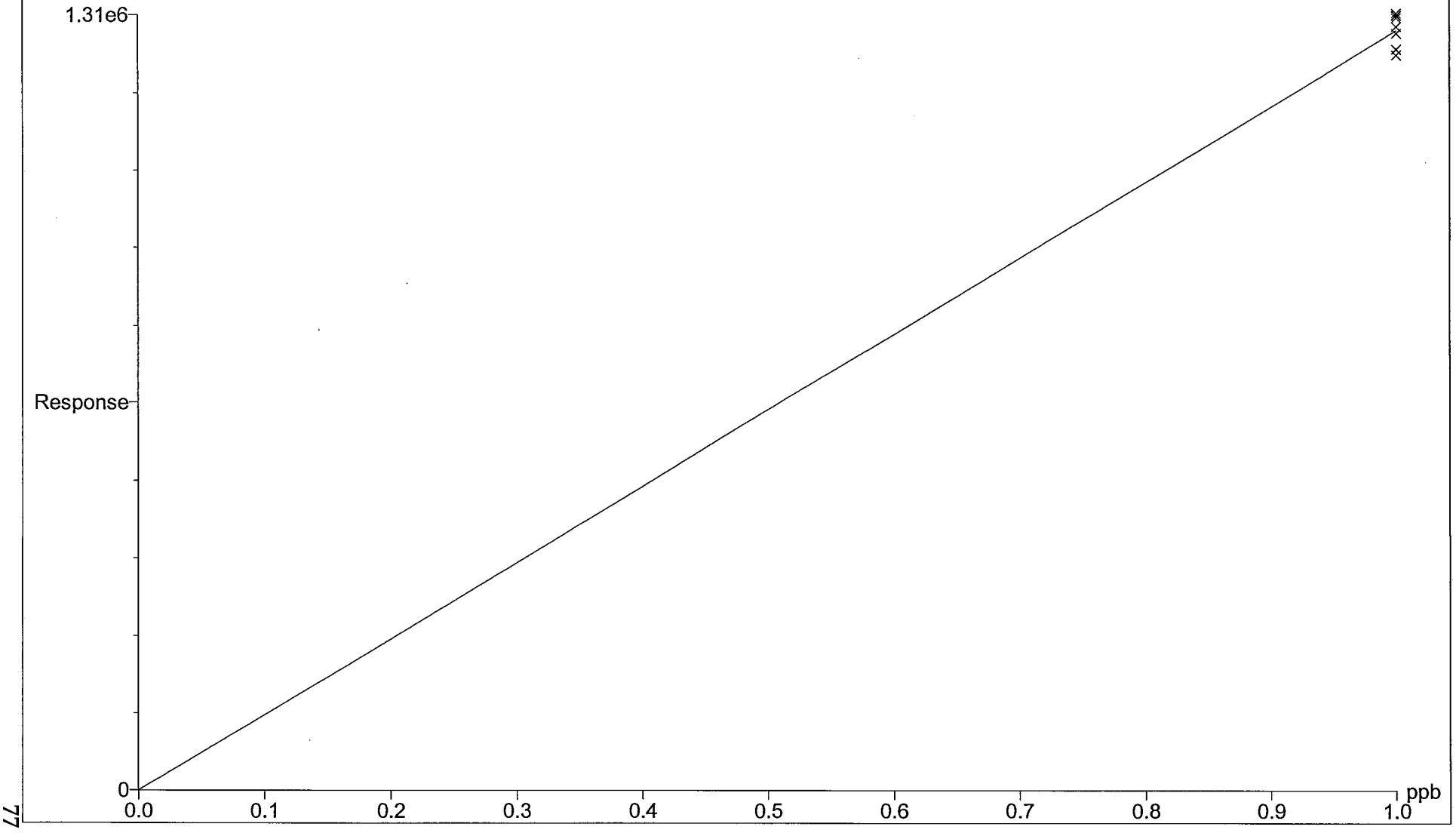
Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\10JUN08A
Last modified: Wed Jun 11 10:10:52 2008
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\U_only+IS
Last modified: Tue Jun 10 12:26:24 2008
Job Code:

Printed: Wed Jun 11 10:12:39 2008

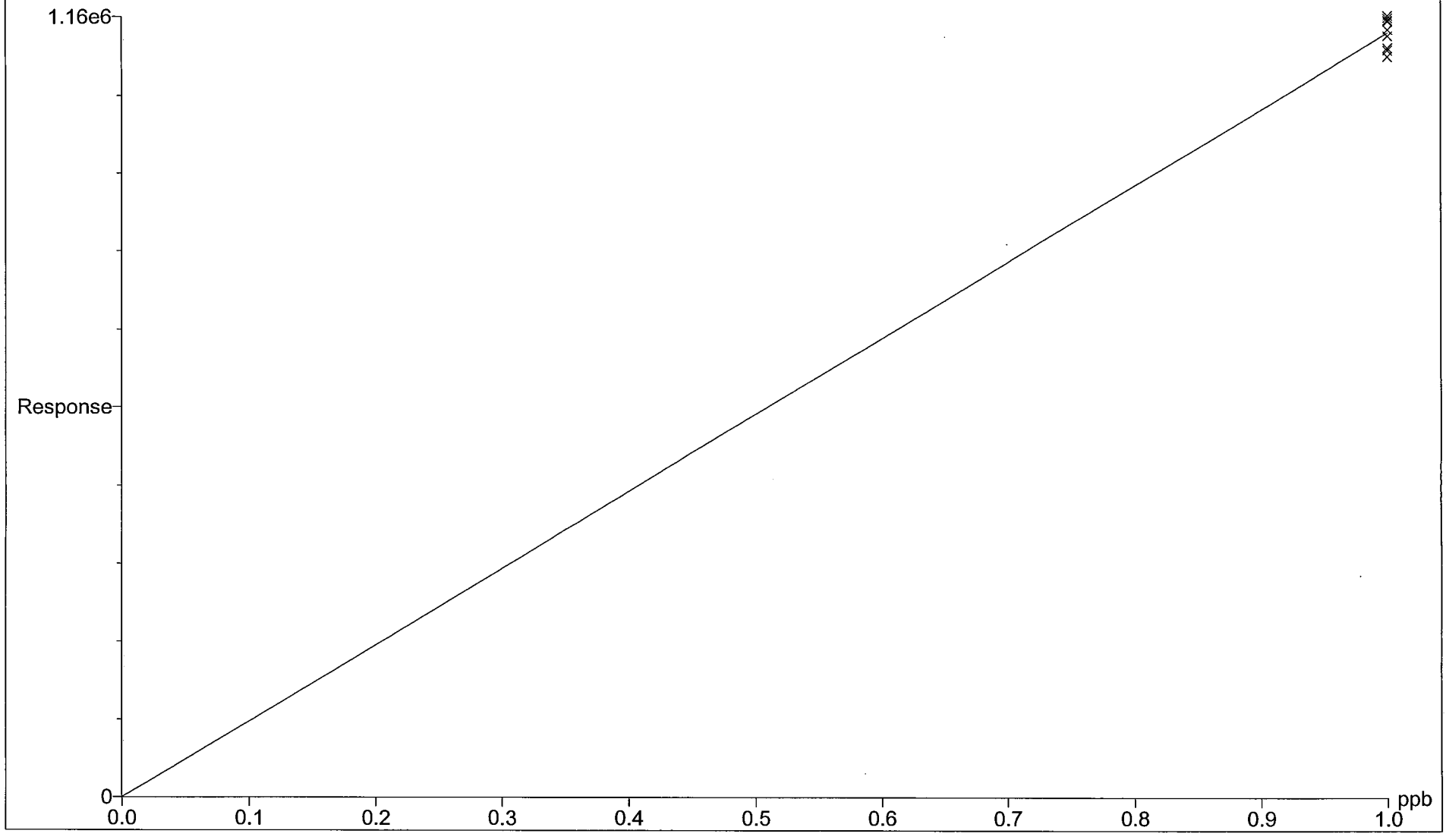
Compound 2: 209Bi

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
125	10JUN08A 125	0806038-7 50X	1.1173	1268384		0.012	10-Jun-08	16:55:29	0
126	10JUN08A 126	ZZZZZZ	0.77258	877024		0.008	10-Jun-08	16:57:31	0
127	10JUN08A 127	0806038-9 500X	1.0995	1248176		0.013	10-Jun-08	16:59:34	0
128	10JUN08A 128	0806038-10 500X	1.0449	1186144		0.013	10-Jun-08	17:01:36	0
129	10JUN08A 129	0806038-11 500X	1.0513	1193472		0.013	10-Jun-08	17:03:37	0
130	10JUN08A 130	0806038-12 500X	1.0510	1193136		0.013	10-Jun-08	17:05:37	0
131	10JUN08A 131	0806038-13 100X	1.0510	1193120		0.014	10-Jun-08	17:07:37	0
132	10JUN08A 132	CCV	1.0638	1207632		0.015	10-Jun-08	17:09:38	0
133	10JUN08A 133	CCB	1.0627	1206368		0.015	10-Jun-08	17:12:10	0
134	10JUN08A 134	0806038-14 100X	1.0190	1156784		0.012	10-Jun-08	17:14:44	0
135	10JUN08A 135	0806038-15 500X	1.0072	1143360		0.013	10-Jun-08	17:16:46	0
136	10JUN08A 136	0806038-16 500X	1.0624	1206080		0.013	10-Jun-08	17:18:47	0
137	10JUN08A 137	0806038-17 500X	1.0439	1185024		0.013	10-Jun-08	17:21:59	0
138	10JUN08A 138	0806038-18 500X	1.0310	1170368		0.013	10-Jun-08	17:24:00	0
139	10JUN08A 139	0806038-19 500X	1.0500	1191936		0.012	10-Jun-08	17:26:02	0
140	10JUN08A 140	0806038-6 200X	0.89885	1020368		0.009	10-Jun-08	17:28:05	0
141	10JUN08A 141	0806038-8 200X	0.90571	1028160		0.008	10-Jun-08	17:30:07	0
142	10JUN08A 142	CCV	1.0430	1184016		0.015	10-Jun-08	17:32:09	0
143	10JUN08A 143	CCB	1.0315	1171008		0.016	10-Jun-08	17:34:41	0
144	10JUN08A 144	RINSE							

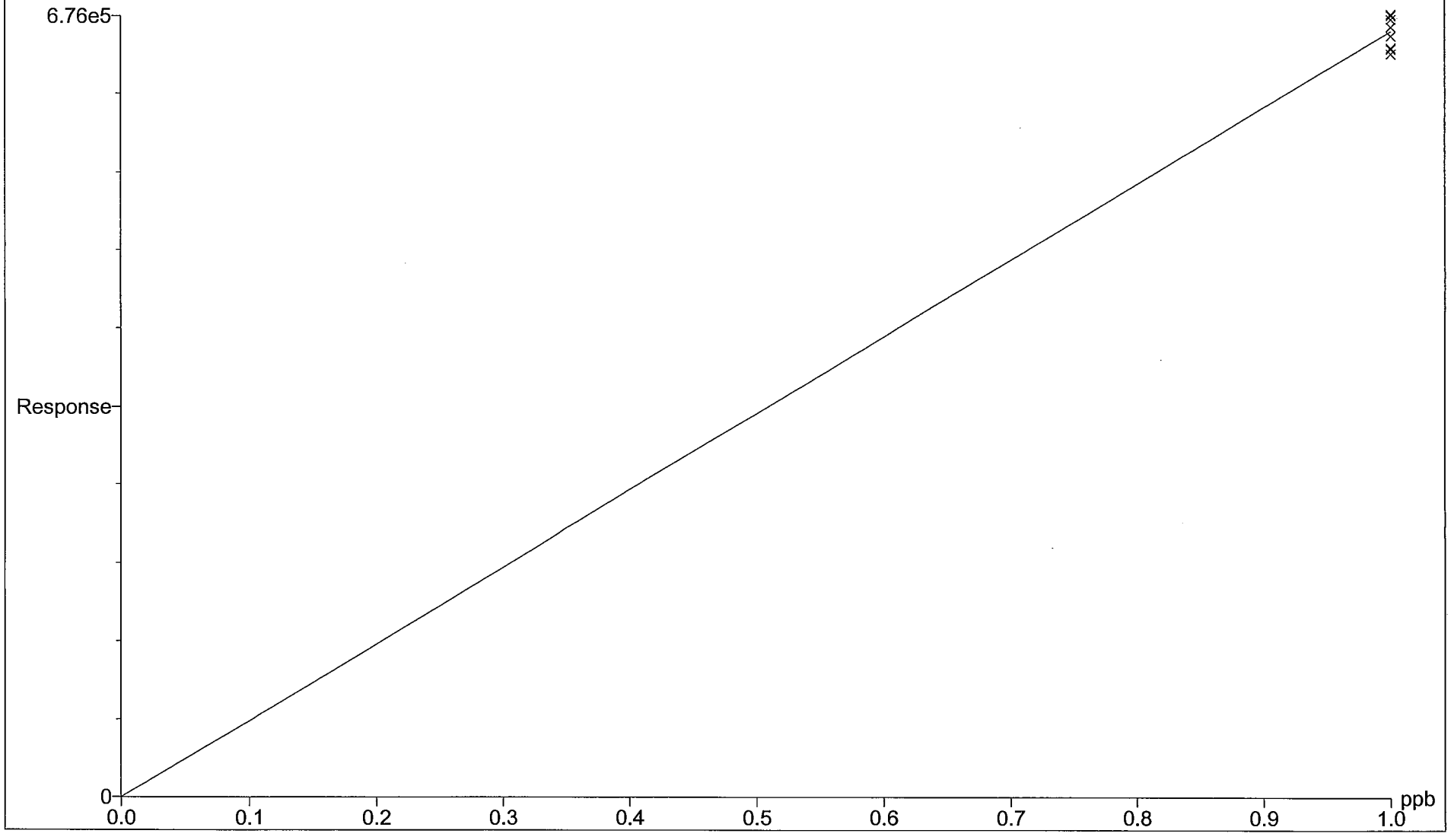
Compound 1 name: 115In
Response Factor: 1.27580e6
Response type: External Std, Area
Curve type: RF



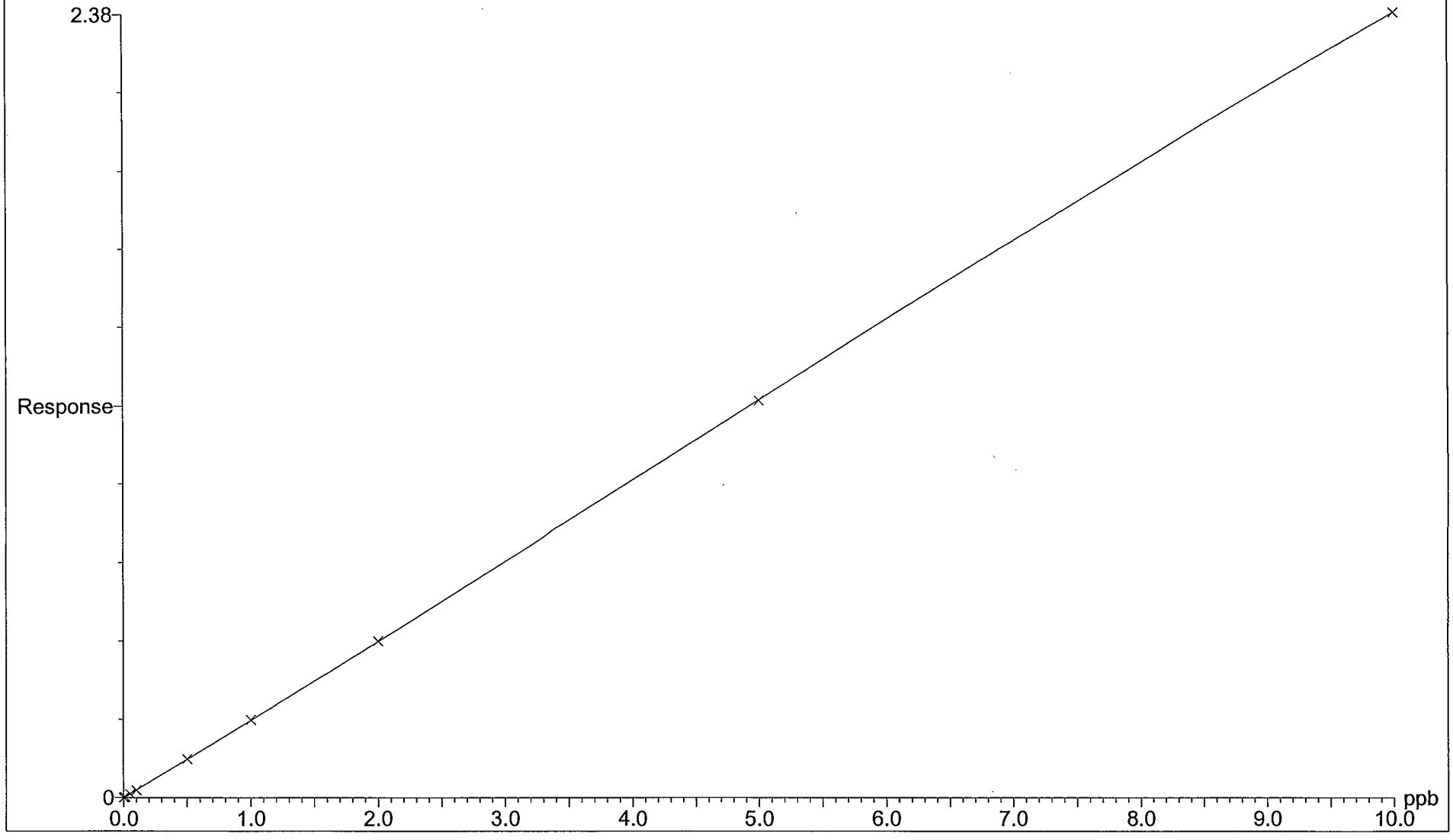
Compound 2 name: 209Bi
Response Factor: 1.13519e6
Response type: External Std, Area
Curve type: RF



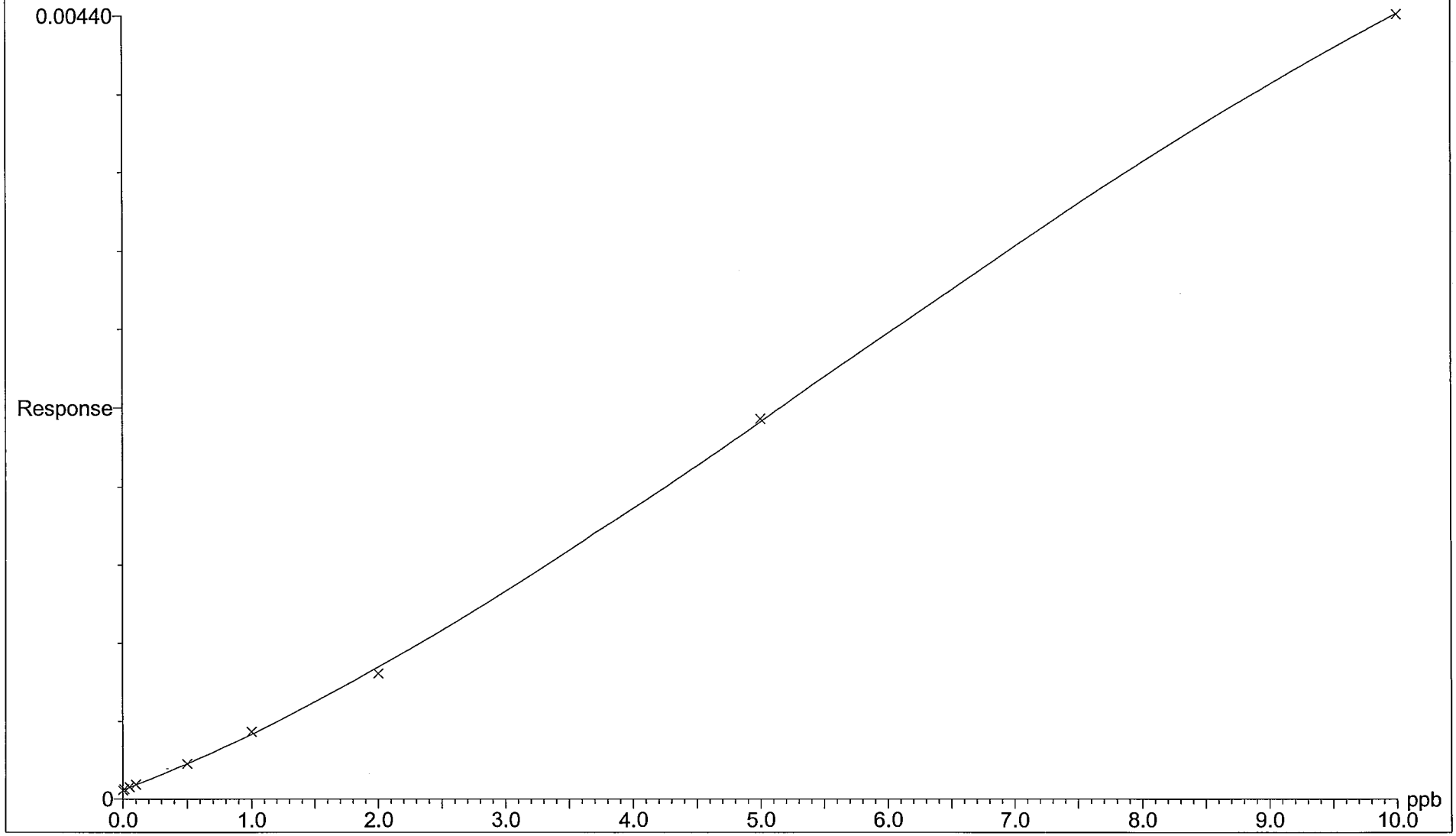
Compound 3 name: 195Pt
Response Factor: 661116
Response type: External Std, Area
Curve type: RF



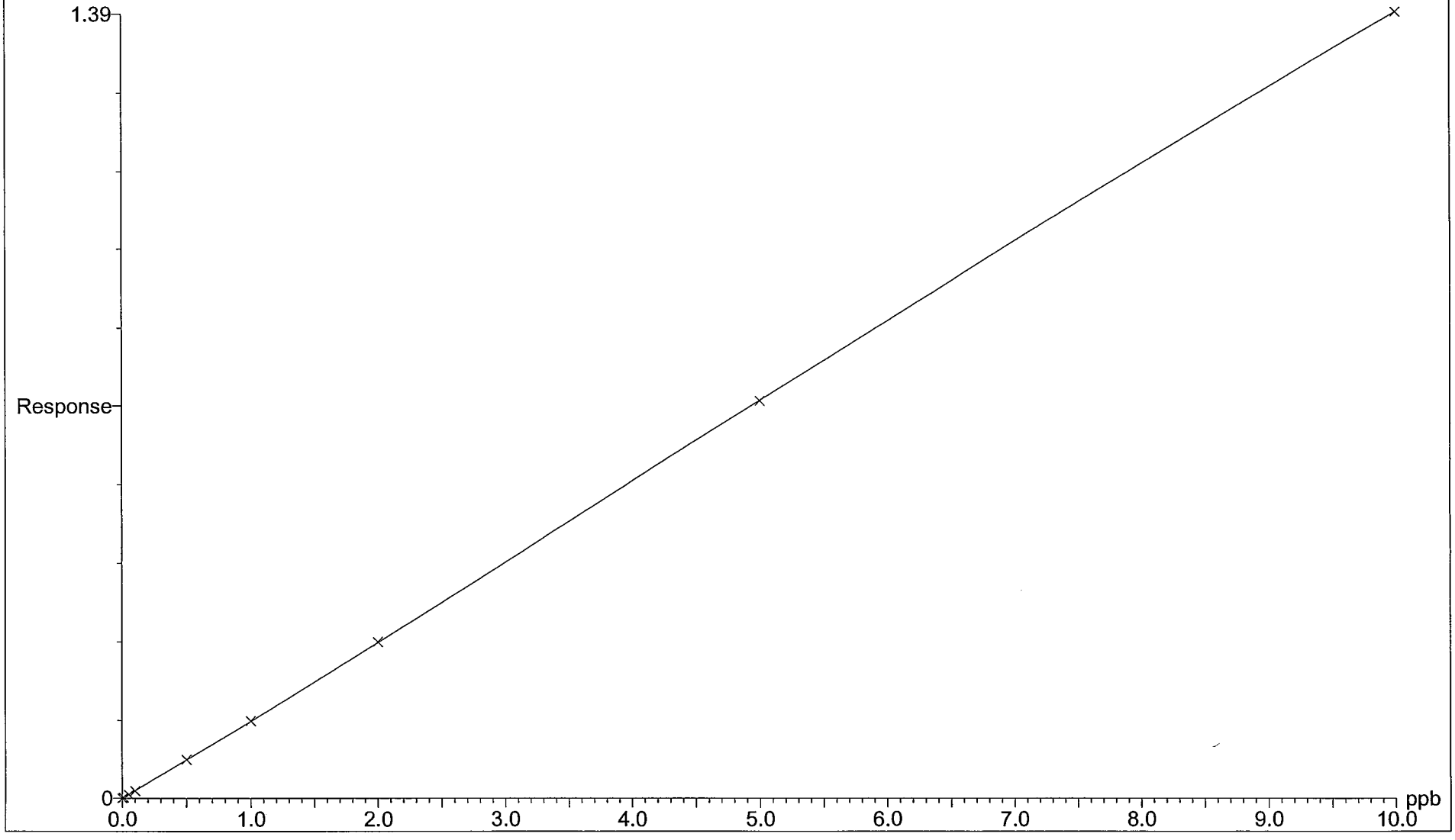
Compound 4 name: 238U
Coefficient of Determination: 0.999998
Calibration curve: -0.000227893 * x^3 + 0.00287543 * x^2 + 0.231630 * x + 2.03884e-5
Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)
Curve type: 3rd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Compound 5 name: 235U
Coefficient of Determination: 0.999890
Calibration curve: -2.23071e-6 * x^3 + 3.79219e-5 * x^2 + 0.000278999 * x + 5.17147e-5
Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)
Curve type: 3rd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Compound 6 name: 2Uranium
Coefficient of Determination: 0.999998
Calibration curve: -0.000121464 * x^3 + 0.00155600 * x^2 + 0.135232 * x + 3.95207e-5
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: 3rd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Miscellaneous

Paragon Analytics

QUALITY ASSURANCE SUMMARY SHEET

PAR W.O. # / BATCH 0805200
TEST various
METHOD Prep
SOP/REV (PREP) Various
SOP/REV (ANAL) _____

Briefly document any QA or other problems or deviations associated with the analysis of samples. Problems could result from: log-in, color, odor, dilution, consistency, scheduling, equipment, or instrumentation, or may include documentation of minor deviations necessary due to unique DQO's or sample characteristics.

TE 6/7/08

The following applies to animal tissue samples 0805200-1 to –37:

1. The entire sample was placed in a drying oven for %moisture analysis.
2. The entire dried sample was then placed into a 220mL polypropylene cup.
3. A common digestion was performed by adding 25mL each of HCl and HNO_3 to the sample cups. The samples were capped, placed on the steambath, uncapped after four hours, and allowed to dry.
4. Step 3 was repeated to ensure a total digestion of the samples.
5. After the second digestion, the dried samples were brought up in 10mL HNO_3 and ~80mL DI water and placed on the steambath for 30minutes.
6. The samples were removed from the steambath and diluted with DI water to a total volume of 100ml. TE 6/7/08
7. TE 6/7/08 At this time, Paragon received extra volume from the client for bone samples 4, 8, 12, 16, 20, and 24. Steps 1-6 were performed on the extra volumes. These extra sample volumes were then combined with the original sample. The samples were evaporated to less than 100ml on the steambath and then brought to a total volume of 100ml with DI water.
8. The sample digestates were then split to target the necessary analyses aliquots provided by the project manager using the following equation:

$$\text{Sample Size(g)} = \frac{\text{(Original Sample Wet Weight(g))} * \text{(Digestate Volume Taken for Analysis(ml))}}{\text{(Total Volume of Digestate(ml))}}$$

All wet weights and digestate splits are listed on the "Animal Tissue Digestate Splits" spreadsheets.

9. All samples were spike/traced for the individual analyses following the digestate splits.
10. Two sets of reagent blanks, LCS's, and LCSD's were created at step 3 for analyses containing more than 20 samples. As all samples were prepped together, the QC are interchangeable. Due to limited sample volume, the LCSD's were created to meet QC requirements.

TE 6/7/08

TECHNICIAN/ANALYST T. Ellut DATE 6/7/08

DEPARTMENT MANAGER [signature] DATE 6/7/08

365713

FORM 302r6.doc (4/22/04)

Animal Tissue Digestate Splits

Sample ID	Original Wet Wt (g)	Total Digest. Volume (ml)	Digestate Volume Taken for Analysis (ml)				
			Po-210	Pb-210	Th-ISO	Ra-226	U6020
0805200-1	13.96	100	4	36	36	NA	NA
0805200-2	4.6	100	10	90	NA	NA	NA
0805200-3	21.08	100	3	NA	NA	NA	24
0805200-4	8.06	100	NA	5	28	50	17
0805200-5	12.5	100	4	40	40	NA	NA
0805200-6	3.74	100	10	90	NA	NA	NA
0805200-7	26.79	100	2	NA	NA	NA	19
0805200-8	8.44	100	NA	5	28	50	17
0805200-9	7.7	100	4	48	48	NA	NA
0805200-10	7.85	100	7	64	NA	NA	NA
0805200-11	26.77	100	2	NA	NA	NA	19
0805200-12	7.68	100	NA	5	28	50	17
0805200-13	13.59	100	4	37	37	NA	NA
0805200-14	12.64	100	4	40	NA	NA	NA
0805200-15	33.65	100	2	NA	NA	NA	15
0805200-16	15.28	100	NA	7	33	33	20
0805200-17	18.8	100	3	27	27	NA	NA
0805200-18	11.43	100	5	44	NA	NA	NA
0805200-19	42.59	100	2	NA	NA	NA	12
0805200-20*	13.93	100	NA	7.1	35.7	35.7	21.5
0805200-MB	20	100	2.5	20	20	20	20
0805200-LCS	20	100	2.5	20	20	20	20
0805200-LCSD	20	100	2.5	20	20	20	20

1. *=sample not enough to take full aliquots, analysis aliquot adjusted proportionally
2. Samples split using graduated cylinder or calibrated pipet

Animal Tissue Digestate Splits

Sample ID	Original Wet Wt (g)	Total Digest. Volume (ml)	Digestate Volume Taken for Analysis (ml)				
			Po-210	Pb-210	Th-ISO	Ra-226	U6020
0805200-21	18.34	100	3	28	28	NA	NA
0805200-22	15.44	100	4	33	NA	NA	NA
0805200-23	44.29	100	2	NA	NA	NA	12
0805200-24	19.13	100	NA	6	27	27	16
0805200-25	8.01	100	NA	25	25	25	25
0805200-26	23.53	100	3	22	22	NA	NA
0805200-27	11.89	100	5	43	NA	NA	NA
0805200-28	26.13	100	2	NA	NA	NA	20
0805200-29*	9.22	100	NA	7.1	35.7	35.7	21.5
0805200-30	20.07	100	3	25	25	NA	NA
0805200-31	15.71	100	4	32	NA	NA	NA
0805200-32	19.9	100	3	NA	NA	NA	26
0805200-33*	13.63	100	NA	7.1	35.7	35.7	21.5
0805200-34	13.88	100	4	37	37	NA	NA
0805200-35	14.96	100	4	34	NA	NA	NA
0805200-36	25.8	100	2	NA	NA	NA	20
0805200-37*	10.44	100	NA	7.1	35.7	35.7	21.5
0805200-MB	20	100	2.5	20	20	20	20
0805200-LCS	20	100	2.5	20	20	20	20
0805200-LCSD	20	100	2.5	20	20	20	20

1. *=sample not enough to take full aliquots, analysis aliquot adjusted proportionally
2. Samples split using graduated cylinder or calibrated pipet

SAMPLE CONDITION FORM (SOLIDS)

ANALYST: TC

ANALYSIS DATE: 5/30/08 METHOD: Prep

WORK ORDER	SAMPLE ID	SAMPLE CONDITION		
		Dry/Wet	TEXTURE	Remarks
0805200	1	wet	As Rec'd	soft animal tissue
	2			↓
	3			
	4			bone
	5			soft animal tissue
	6			↓
	7			
	8			bone
	9			soft animal tissue
	10			↓
	11			
	12			bone
	13			soft animal tissue
	14			↓
	15			
	16			bone
	17			soft animal tissue
	18			↓
	19			
✓	20	✓	✓	bone

SAMPLE CONDITION FORM (SOLIDS)

ANALYST: TE

ANALYSIS DATE: 5/30/08 METHOD: Prep

WORK ORDER	SAMPLE ID	SAMPLE CONDITION		
		Dry/Wet	TEXTURE	Remarks
0805200	21	wet	As Rec'd	soft animal tissue
	22			↓
	23			
	24			bone
	25			carcass
	26			soft animal tissue
	27			↓
	28			
	29			bone
	30			soft animal tissue
	31			↓
	32			
	33			bone
	34			soft animal tissue
	35			↓
	36			
	37	✓	✓	bone
			TE 5/30/08	

Percent Moisture

Method SOP642M Revision 0

Lab Name: Paragon Analytics

Date Extracted: 06/02/2008
Date Analyzed: 06/02/2008
Analyst: Tambrae Elhart

Balance ID: 25
Oven ID: 18
In Oven: 5/30/2008 @ 6:00:00 PM
Out of Oven: 6/1/2008 @ 12:00:00 PM

Validated By: tde
Validation Date: 06/02/2008
Validation Time: 5:30:37 PM

Run ID	Prep Batch ID	QC Batch ID	Lab ID	QC Type	Dish Wt	Wet Wt	Dry Wt	Dry Wt-Dish Wt	Percent Moisture	Percent Solids	RPD
MOI080602-1A	MOI080602-1	MOI080602-1-1	MOI080602-1	MB	0	2.22	2.22	2.22	0.0	100.0	
MOI080602-1A	MOI080602-1	MOI080602-1-1	0805200-1	SMP	2.25	13.96	5.93	3.68	73.6	26.4	
MOI080602-1A	MOI080602-1	MOI080602-1-1	0805200-2	SMP	2.25	4.6	3.28	1.03	77.6	22.4	
MOI080602-1A	MOI080602-1	MOI080602-1-1	0805200-3	SMP	2.24	21.08	7.16	4.92	76.7	23.3	
MOI080602-1A	MOI080602-1	MOI080602-1-1	0805200-4	SMP	2.23	1.18	2.95	0.72	39.0	61.0	
MOI080602-1A	MOI080602-1	MOI080602-1-1	0805200-5	SMP	2.23	12.5	5.49	3.26	73.9	26.1	
MOI080602-1A	MOI080602-1	MOI080602-1-1	0805200-6	SMP	2.22	3.74	2.97	0.75	79.9	20.1	
MOI080602-1A	MOI080602-1	MOI080602-1-1	0805200-7	SMP	2.24	26.79	8.91	6.67	75.1	24.9	
MOI080602-1A	MOI080602-1	MOI080602-1-1	0805200-8	SMP	2.24	1.2	2.96	0.72	40.0	60.0	
MOI080602-1A	MOI080602-1	MOI080602-1-1	0805200-9	SMP	2.24	7.7	4.06	1.82	76.4	23.6	
MOI080602-1A	MOI080602-1	MOI080602-1-1	0805200-10	SMP	2.23	7.85	3.76	1.53	80.5	19.5	
MOI080602-1A	MOI080602-1	MOI080602-1-1	0805200-11	SMP	2.25	26.77	8.59	6.34	76.3	23.7	
MOI080602-1A	MOI080602-1	MOI080602-1-1	0805200-12	SMP	2.22	1.45	2.97	0.75	48.3	51.7	
MOI080602-1A	MOI080602-1	MOI080602-1-1	0805200-13	SMP	2.25	13.59	5.82	3.57	73.7	26.3	
MOI080602-1A	MOI080602-1	MOI080602-1-1	0805200-14	SMP	2.25	12.64	5.05	2.80	77.8	22.2	
MOI080602-1A	MOI080602-1	MOI080602-1-1	0805200-15	SMP	2.26	33.65	10.31	8.05	76.1	23.9	
MOI080602-1A	MOI080602-1	MOI080602-1-1	0805200-16	SMP	2.26	4.1	4.69	2.43	40.7	59.3	
MOI080602-1A	MOI080602-1	MOI080602-1-1	0805200-17	SMP	2.25	18.8	7.08	4.83	74.3	25.7	
MOI080602-1A	MOI080602-1	MOI080602-1-1	0805200-18	SMP	2.25	11.43	4.87	2.62	77.1	22.9	
MOI080602-1A	MOI080602-1	MOI080602-1-1	0805200-19	SMP	2.26	42.59	12.87	10.61	75.1	24.9	
MOI080602-1A	MOI080602-1	MOI080602-1-1	0805200-20	SMP	2.25	3.48	4.42	2.17	37.6	62.4	

Percent Moisture

Method SOP642M Revision 0

Lab Name: Paragon Analytics

Date Extracted: 06/02/2008
Date Analyzed: 06/02/2008
Analyst: Tambrae Elhart

Balance ID: 25
Oven ID: 18
In Oven: 5/30/2008 @ 6:00:00 PM
Out of Oven: 6/1/2008 @ 12:00:00 PM

Validated By: tde
Validation Date: 06/02/2008
Validation Time: 5:49:18 PM

Run ID	Prep Batch ID	QC Batch ID	Lab ID	QC Type	Dish Wt	Wet Wt	Dry Wt	Dry Wt-Dish Wt	Percent Moisture	Percent Solids	RPD
MOI080602-3A	MOI080602-3	MOI080602-3-1	MOI080602-3	MB	0	2.25	2.25	2.25	0.0	100.0	
MOI080602-3A	MOI080602-3	MOI080602-3-1	0805200-21	SMP	2.2	18.34	6.89	4.69	74.4	25.6	
MOI080602-3A	MOI080602-3	MOI080602-3-1	0805200-22	SMP	2.25	15.44	5.44	3.19	79.3	20.7	
MOI080602-3A	MOI080602-3	MOI080602-3-1	0805200-23	SMP	2.21	44.29	12.69	10.48	76.3	23.7	
MOI080602-3A	MOI080602-3	MOI080602-3-1	0805200-24	SMP	2.21	4.04	4.89	2.68	33.7	66.3	
MOI080602-3A	MOI080602-3	MOI080602-3-1	0805200-25	SMP	2.21	8.01	4.16	1.95	75.7	24.3	
MOI080602-3A	MOI080602-3	MOI080602-3-1	0805200-26	SMP	2.21	23.53	7.33	5.12	78.2	21.8	
MOI080602-3A	MOI080602-3	MOI080602-3-1	0805200-27	SMP	2.23	11.89	4.92	2.69	77.4	22.6	
MOI080602-3A	MOI080602-3	MOI080602-3-1	0805200-28	SMP	2.23	26.13	5.42	3.19	87.8	12.2	
MOI080602-3A	MOI080602-3	MOI080602-3-1	0805200-29	SMP	2.26	9.22	9.88	7.62	17.4	82.6	
MOI080602-3A	MOI080602-3	MOI080602-3-1	0805200-30	SMP	2.25	20.07	7.54	5.29	73.6	26.4	
MOI080602-3A	MOI080602-3	MOI080602-3-1	0805200-31	SMP	2.26	15.71	5.34	3.08	80.4	19.6	
MOI080602-3A	MOI080602-3	MOI080602-3-1	0805200-32	SMP	2.25	19.9	6.3	4.05	79.6	20.4	
MOI080602-3A	MOI080602-3	MOI080602-3-1	0805200-33	SMP	2.22	13.63	12.52	10.30	24.4	75.6	
MOI080602-3A	MOI080602-3	MOI080602-3-1	0805200-34	SMP	2.22	13.88	5.09	2.87	79.3	20.7	
MOI080602-3A	MOI080602-3	MOI080602-3-1	0805200-35	SMP	2.26	14.96	5.11	2.85	80.9	19.1	
MOI080602-3A	MOI080602-3	MOI080602-3-1	0805200-36	SMP	2.24	25.8	7.5	5.26	79.6	20.4	
MOI080602-3A	MOI080602-3	MOI080602-3-1	0805200-37	SMP	2.22	10.44	10.66	8.44	19.2	80.8	

QC Types

CAR	Carrier reference sample
LCS	Laboratory Control Sample
MB	Method Blank
MSD	Laboratory Matrix Spike Duplicate
SMP	Field Sample

DUP	Laboratory Duplicate
LCSD	Laboratory Control Sample Duplicate
MS	Laboratory Matrix Spike
REP	Sample replicate
SYS	Sample Yield Spike

Comments:

DUP = Sample Duplicate
Wet Wt = Sample Wet Wt - Dish Wt
Dry Wt = Sample Dry Wt + Dish Wt
Dry Wt - Dish Wt = Sample Dry Wt - Dish Wt
All weight values shown above are expressed in grams.

$$RPD = \frac{(\text{Sample Value - Duplicate Value})}{2} \times 100$$

$$\% \text{ Solids} = \frac{\text{Dry Weight}}{\text{Wet Weight}} \times 100$$

$$\% \text{ Moisture} = \frac{(\text{Wet Weight - Dry Weight})}{\text{Wet Weight}} \times 100$$

Percent Moisture

Method SOP642M Revision 0

Lab Name: Paragon Analytics

Date Extracted: 06/05/2008
Date Analyzed: 06/05/2008
Analyst: Tambrae Elhart

Balance ID: 25
Oven ID: 5
In Oven: 6/5/2008 @ 9:35:00 AM
Out of Oven: 6/6/2008 @ 5:15:00 AM

Validated By: tde
Validation Date: 06/06/2008
Validation Time: 8:47:06 AM

Run ID	Prep Batch ID	QC Batch ID	Lab ID	QC Type	Dish Wt	Wet Wt	Dry Wt	Dry Wt-Dish Wt	Percent Moisture	Percent Solids	RPD
MOI080606-1A	MOI080606-1	MOI080606-1-1	MOI080606-1	MB	0	2.24	2.24	2.24	0.0	100.0	
MOI080606-1A	MOI080606-1	MOI080606-1-1	0805200-4	SMP	2.25	6.88	6.89	4.64	32.6	67.4	
MOI080606-1A	MOI080606-1	MOI080606-1-1	0805200-8	SMP	2.26	7.24	6.68	4.42	39.0	61.0	
MOI080606-1A	MOI080606-1	MOI080606-1-1	0805200-12	SMP	2.24	6.23	5.95	3.71	40.4	59.6	
MOI080606-1A	MOI080606-1	MOI080606-1-1	0805200-16	SMP	2.24	11.18	9.85	7.61	31.9	68.1	
MOI080606-1A	MOI080606-1	MOI080606-1-1	0805200-20	SMP	2.21	10.45	10.03	7.82	25.2	74.8	
MOI080606-1A	MOI080606-1	MOI080606-1-1	0805200-24	SMP	2.24	15.09	13.06	10.82	28.3	71.7	

QC Types

CAR	Carrier reference sample
LCS	Laboratory Control Sample
MB	Method Blank
MSD	Laboratory Matrix Spike Duplicate
SMP	Field Sample

DUP	Laboratory Duplicate
LCSD	Laboratory Control Sample Duplicate
MS	Laboratory Matrix Spike
REP	Sample replicate
SYS	Sample Yield Spike

Comments:

DUP = Sample Duplicate
Wet Wt = Sample Wet Wt - Dish Wt
Dry Wt = Sample Dry Wt + Dish Wt
Dry Wt - Dish Wt = Sample Dry Wt - Dish Wt
All weight values shown above are expressed in grams.

$$RPD = \frac{(\text{Sample Value - Duplicate Value})}{2} \times 100$$

$$\%\ Solids = \frac{\text{Dry Weight}}{\text{Wet Weight}} \times 100$$

$$\%\ Moisture = \frac{(\text{Wet Weight - Dry Weight})}{\text{Wet Weight}} \times 100$$