

ANALYTICAL REPORT

Job Number: 460-46532-1

Job Description: Former GM Wilmington

For:

Conestoga-Rovers & Associates, Inc.
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, NY 14304

Attention: Ms. Sue Scrocchi



Approved for release.
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Project Manager I
11/6/2012 11:38 AM

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11/06/2012

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CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: Former GM Wilmington

Report Number: 460-46532-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 11/01/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.4 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TOTAL METALS

Samples 460-46532-1 through 460-46532-10 were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared on 11/02/2012 and 11/05/2012 and analyzed on 11/04/2012 and 11/05/2012.

The matrix duplicate %RPD for lead associated with batch 134309 was outside the control limits.

The matrix spike(MS) recoveries for antimony in batch 134401 was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Refer to the QC report for details.

As a standard practice all soil samples and related QC samples (i.e., MB, LCS, Dup, MS, SD) are diluted 2X-4X prior to analysis. Further dilutions may be required dependent upon analyte levels in the samples. Refer to the analytical results forms for dilutions.

Samples 460-46532-1 through 460-46532-10(4X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples 460-46532-1 through 460-46532-10 were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared and analyzed on 11/02/2012.

The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the Hg analyses.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples 460-46532-1 through 460-46532-10 were analyzed for percent solids/percent moisture in accordance with EPA Method

CLPISM01.2 (Exhibit D). The samples were analyzed on 11/01/2012.

No other difficulties were encountered during the %solids/moisture analyses.

All other quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-46532-1	SO-17338-082912-MM-223	Solid	08/29/2012 1120	11/01/2012 1115
460-46532-2	SO-17338-082912-MM-225	Solid	08/29/2012 1205	11/01/2012 1115
460-46532-3	SO-17338-082912-MM-227	Solid	08/29/2012 1415	11/01/2012 1115
460-46532-4	SO-17338-083012-MM-235	Solid	08/30/2012 1210	11/01/2012 1115
460-46532-5	SO-17338-083012-MM-236	Solid	08/30/2012 1225	11/01/2012 1115
460-46532-6	SO-17338-090612-MM-243	Solid	09/06/2012 1130	11/01/2012 1115
460-46532-7	SO-17338-090612-MM-247	Solid	09/06/2012 1400	11/01/2012 1115
460-46532-7MS	SO-17338-090612-MM-247	Solid	09/06/2012 1400	11/01/2012 1115
460-46532-7DU	SO-17338-090612-MM-247	Solid	09/06/2012 1400	11/01/2012 1115
460-46532-8	SO-17338-090612-MM-251	Solid	09/06/2012 1200	11/01/2012 1115
460-46532-9	SO-17338-090612-MM-253	Solid	09/06/2012 1330	11/01/2012 1115
460-46532-10	SO-17338-090612-MM-255	Solid	09/06/2012 1440	11/01/2012 1115

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-46532-1	SO-17338-082912-MM-223					
Aluminum		10800		51.2	mg/Kg	6010B
Arsenic		2.5		1.3	mg/Kg	6010B
Barium		301		51.2	mg/Kg	6010B
Beryllium		1.4		0.51	mg/Kg	6010B
Cadmium		0.24	J	1.3	mg/Kg	6010B
Calcium		656	J	1280	mg/Kg	6010B
Chromium		41.2		2.6	mg/Kg	6010B
Cobalt		4.8	J	12.8	mg/Kg	6010B
Copper		11.8		6.4	mg/Kg	6010B
Iron		5880		38.4	mg/Kg	6010B
Lead		32.1		1.3	mg/Kg	6010B
Magnesium		1770		1280	mg/Kg	6010B
Manganese		49.7		3.8	mg/Kg	6010B
Nickel		10.2		10.2	mg/Kg	6010B
Potassium		441	J	1280	mg/Kg	6010B
Sodium		274	J	1280	mg/Kg	6010B
Vanadium		18.8		12.8	mg/Kg	6010B
Zinc		39.7		7.7	mg/Kg	6010B
Mercury		0.029	J H	0.042	mg/Kg	7471A
Percent Moisture		21.8	H	1.0	%	Moisture
Percent Solids		78.2	H	1.0	%	Moisture
460-46532-2	SO-17338-082912-MM-225					
Aluminum		11200		44.5	mg/Kg	6010B
Arsenic		4.1		1.1	mg/Kg	6010B
Barium		54.9		44.5	mg/Kg	6010B
Beryllium		0.36	J	0.44	mg/Kg	6010B
Calcium		380	J	1110	mg/Kg	6010B
Chromium		19.9		2.2	mg/Kg	6010B
Cobalt		3.3	J	11.1	mg/Kg	6010B
Copper		4.9	J	5.6	mg/Kg	6010B
Iron		15900		33.4	mg/Kg	6010B
Lead		10.9		1.1	mg/Kg	6010B
Magnesium		1190		1110	mg/Kg	6010B
Manganese		59.9		3.3	mg/Kg	6010B
Nickel		6.3	J	8.9	mg/Kg	6010B
Potassium		316	J	1110	mg/Kg	6010B
Sodium		462	J	1110	mg/Kg	6010B
Vanadium		31.1		11.1	mg/Kg	6010B
Zinc		19.3		6.7	mg/Kg	6010B
Percent Moisture		11.9	H	1.0	%	Moisture
Percent Solids		88.1	H	1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-46532-3	SO-17338-082912-MM-227					
Aluminum		16600		46.5	mg/Kg	6010B
Antimony		1.7	J	2.3	mg/Kg	6010B
Arsenic		5.3		1.2	mg/Kg	6010B
Barium		58.4		46.5	mg/Kg	6010B
Beryllium		0.58		0.46	mg/Kg	6010B
Cadmium		0.45	J	1.2	mg/Kg	6010B
Calcium		354	J	1160	mg/Kg	6010B
Chromium		27.5		2.3	mg/Kg	6010B
Cobalt		4.5	J	11.6	mg/Kg	6010B
Copper		8.3		5.8	mg/Kg	6010B
Iron		22700		34.9	mg/Kg	6010B
Lead		10.8		1.2	mg/Kg	6010B
Magnesium		1900		1160	mg/Kg	6010B
Manganese		85.5		3.5	mg/Kg	6010B
Nickel		9.9		9.3	mg/Kg	6010B
Potassium		549	J	1160	mg/Kg	6010B
Vanadium		38.7		11.6	mg/Kg	6010B
Zinc		27.8		7.0	mg/Kg	6010B
Percent Moisture		16.5	H	1.0	%	Moisture
Percent Solids		83.5	H	1.0	%	Moisture
460-46532-4	SO-17338-083012-MM-235					
Aluminum		15800		47.8	mg/Kg	6010B
Arsenic		2.8		1.2	mg/Kg	6010B
Barium		83.0		47.8	mg/Kg	6010B
Beryllium		0.39	J	0.48	mg/Kg	6010B
Cadmium		0.40	J	1.2	mg/Kg	6010B
Calcium		520	J	1190	mg/Kg	6010B
Chromium		24.3		2.4	mg/Kg	6010B
Cobalt		2.4	J	11.9	mg/Kg	6010B
Copper		9.3		6.0	mg/Kg	6010B
Iron		16000		35.8	mg/Kg	6010B
Lead		25.6		1.2	mg/Kg	6010B
Magnesium		987	J	1190	mg/Kg	6010B
Manganese		39.5		3.6	mg/Kg	6010B
Nickel		5.3	J	9.6	mg/Kg	6010B
Potassium		593	J	1190	mg/Kg	6010B
Sodium		314	J	1190	mg/Kg	6010B
Vanadium		36.1		11.9	mg/Kg	6010B
Zinc		28.4		7.2	mg/Kg	6010B
Mercury		0.040	J H	0.041	mg/Kg	7471A
Percent Moisture		18.7	H	1.0	%	Moisture
Percent Solids		81.3	H	1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-46532-5	SO-17338-083012-MM-236					
Aluminum		14500		46.3	mg/Kg	6010B
Arsenic		2.9		1.2	mg/Kg	6010B
Barium		74.2		46.3	mg/Kg	6010B
Beryllium		0.39	J	0.46	mg/Kg	6010B
Cadmium		0.24	J	1.2	mg/Kg	6010B
Calcium		438	J	1160	mg/Kg	6010B
Chromium		25.7		2.3	mg/Kg	6010B
Cobalt		2.5	J	11.6	mg/Kg	6010B
Copper		8.5		5.8	mg/Kg	6010B
Iron		11100		34.7	mg/Kg	6010B
Lead		32.5		1.2	mg/Kg	6010B
Magnesium		1220		1160	mg/Kg	6010B
Manganese		44.2		3.5	mg/Kg	6010B
Nickel		6.4	J	9.3	mg/Kg	6010B
Potassium		704	J	1160	mg/Kg	6010B
Sodium		285	J	1160	mg/Kg	6010B
Vanadium		30.9		11.6	mg/Kg	6010B
Zinc		25.5		6.9	mg/Kg	6010B
Mercury		0.027	J H	0.040	mg/Kg	7471A
Percent Moisture		19.2	H	1.0	%	Moisture
Percent Solids		80.8	H	1.0	%	Moisture
460-46532-6	SO-17338-090612-MM-243					
Aluminum		17100		45.1	mg/Kg	6010B
Arsenic		1.6		1.1	mg/Kg	6010B
Barium		104		45.1	mg/Kg	6010B
Beryllium		0.45		0.45	mg/Kg	6010B
Cadmium		0.34	J	1.1	mg/Kg	6010B
Calcium		531	J	1130	mg/Kg	6010B
Chromium		29.1		2.3	mg/Kg	6010B
Cobalt		2.7	J	11.3	mg/Kg	6010B
Copper		7.0		5.6	mg/Kg	6010B
Iron		15100		33.8	mg/Kg	6010B
Lead		13.6		1.1	mg/Kg	6010B
Magnesium		1620		1130	mg/Kg	6010B
Manganese		41.4		3.4	mg/Kg	6010B
Nickel		7.4	J	9.0	mg/Kg	6010B
Potassium		681	J	1130	mg/Kg	6010B
Vanadium		25.7		11.3	mg/Kg	6010B
Zinc		24.1		6.8	mg/Kg	6010B
Mercury		0.031	J H	0.040	mg/Kg	7471A
Percent Moisture		19.4	H	1.0	%	Moisture
Percent Solids		80.6	H	1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-46532-7	SO-17338-090612-MM-247					
Aluminum		7270		49.7	mg/Kg	6010B
Arsenic		1.9		1.2	mg/Kg	6010B
Barium		105		49.7	mg/Kg	6010B
Beryllium		0.19	J	0.50	mg/Kg	6010B
Calcium		426	J	1240	mg/Kg	6010B
Chromium		11.2		2.5	mg/Kg	6010B
Cobalt		1.5	J	12.4	mg/Kg	6010B
Copper		2.9	J	6.2	mg/Kg	6010B
Iron		7470		37.3	mg/Kg	6010B
Lead		16.4		1.2	mg/Kg	6010B
Magnesium		497	J	1240	mg/Kg	6010B
Manganese		23.6		3.7	mg/Kg	6010B
Nickel		3.1	J	9.9	mg/Kg	6010B
Potassium		269	J	1240	mg/Kg	6010B
Vanadium		17.9		12.4	mg/Kg	6010B
Zinc		12.7		7.5	mg/Kg	6010B
Percent Moisture		21.9	H	1.0	%	Moisture
Percent Solids		78.1	H	1.0	%	Moisture
460-46532-8	SO-17338-090612-MM-251					
Aluminum		11900		44.2	mg/Kg	6010B
Arsenic		3.0		1.1	mg/Kg	6010B
Barium		154		44.2	mg/Kg	6010B
Beryllium		0.59		0.44	mg/Kg	6010B
Cadmium		0.24	J	1.1	mg/Kg	6010B
Calcium		690	J	1100	mg/Kg	6010B
Chromium		13.2		2.2	mg/Kg	6010B
Cobalt		4.2	J	11.0	mg/Kg	6010B
Copper		6.5		5.5	mg/Kg	6010B
Iron		11800		33.1	mg/Kg	6010B
Lead		17.0		1.1	mg/Kg	6010B
Magnesium		827	J	1100	mg/Kg	6010B
Manganese		111		3.3	mg/Kg	6010B
Nickel		8.6	J	8.8	mg/Kg	6010B
Potassium		438	J	1100	mg/Kg	6010B
Sodium		356	J	1100	mg/Kg	6010B
Vanadium		20.9		11.0	mg/Kg	6010B
Zinc		27.0		6.6	mg/Kg	6010B
Mercury		0.046	H	0.038	mg/Kg	7471A
Percent Moisture		15.4	H	1.0	%	Moisture
Percent Solids		84.6	H	1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-46532-9	SO-17338-090612-MM-253					
Aluminum		19600		48.9	mg/Kg	6010B
Antimony		1.5	J	2.4	mg/Kg	6010B
Arsenic		7.2		1.2	mg/Kg	6010B
Barium		87.7		48.9	mg/Kg	6010B
Beryllium		0.44	J	0.49	mg/Kg	6010B
Cadmium		0.81	J	1.2	mg/Kg	6010B
Calcium		1080	J	1220	mg/Kg	6010B
Chromium		31.6		2.4	mg/Kg	6010B
Cobalt		1.8	J	12.2	mg/Kg	6010B
Copper		8.6		6.1	mg/Kg	6010B
Iron		37700		36.7	mg/Kg	6010B
Lead		9.9		1.2	mg/Kg	6010B
Magnesium		1080	J	1220	mg/Kg	6010B
Manganese		27.3		3.7	mg/Kg	6010B
Nickel		4.7	J	9.8	mg/Kg	6010B
Potassium		523	J	1220	mg/Kg	6010B
Sodium		210	J	1220	mg/Kg	6010B
Vanadium		52.5		12.2	mg/Kg	6010B
Zinc		19.0		7.3	mg/Kg	6010B
Mercury		0.038	J H	0.043	mg/Kg	7471A
Percent Moisture		24.3	H	1.0	%	Moisture
Percent Solids		75.7	H	1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-46532-10	SO-17338-090612-MM-255					
Aluminum		7760		41.2	mg/Kg	6010B
Arsenic		4.8		1.0	mg/Kg	6010B
Barium		180		41.2	mg/Kg	6010B
Beryllium		0.39	J	0.41	mg/Kg	6010B
Cadmium		0.61	J	1.0	mg/Kg	6010B
Calcium		12800		1030	mg/Kg	6010B
Chromium		14.0		2.1	mg/Kg	6010B
Cobalt		5.2	J	10.3	mg/Kg	6010B
Copper		8.5		5.1	mg/Kg	6010B
Iron		13900		30.9	mg/Kg	6010B
Lead		97.8		1.0	mg/Kg	6010B
Magnesium		4000		1030	mg/Kg	6010B
Manganese		284		3.1	mg/Kg	6010B
Nickel		7.3	J	8.2	mg/Kg	6010B
Potassium		1330		1030	mg/Kg	6010B
Sodium		238	J	1030	mg/Kg	6010B
Vanadium		22.4		10.3	mg/Kg	6010B
Zinc		45.3		6.2	mg/Kg	6010B
Mercury		0.046	H	0.035	mg/Kg	7471A
Percent Moisture		8.3	H	1.0	%	Moisture
Percent Solids		91.7	H	1.0	%	Moisture

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Metals (ICP)	TAL EDI	SW846 6010B	
Preparation, Metals	TAL EDI		SW846 3050B
Mercury (CVAA)	TAL EDI	SW846 7471A	
Preparation, Mercury	TAL EDI		SW846 7471A
Percent Moisture	TAL EDI	EPA Moisture	

Lab References:

TAL EDI = TestAmerica Edison

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Method	Analyst	Analyst ID
SW846 6010B	Chang, Churn Der	CDC
SW846 7471A	Patel, Purva H	PHP
SW846 7471A	Sheikh, Razia B	RBS
EPA Moisture	Armbruster, Chris	CHA

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Client Sample ID: SO-17338-082912-MM-223

Lab Sample ID: 460-46532-1

Date Sampled: 08/29/2012 1120

Client Matrix: Solid

% Moisture: 21.8

Date Received: 11/01/2012 1115

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-134397	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-134309	Lab File ID:	11042012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.00 g
Analysis Date:	11/04/2012 2017			Final Weight/Volume:	50 mL
Prep Date:	11/02/2012 1640				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10800		23.3	51.2
Antimony		1.6	U	1.6	2.6
Arsenic		2.5		1.2	1.3
Barium		301		1.5	51.2
Beryllium		1.4		0.18	0.51
Cadmium		0.24	J	0.19	1.3
Calcium		656	J	90.6	1280
Chromium		41.2		1.1	2.6
Cobalt		4.8	J	1.1	12.8
Copper		11.8		2.5	6.4
Iron		5880		15.5	38.4
Lead		32.1		1.1	1.3
Magnesium		1770		92.1	1280
Manganese		49.7		1.1	3.8
Nickel		10.2		1.1	10.2
Potassium		441	J	137	1280
Selenium		1.7	U	1.7	2.6
Silver		0.26	U	0.26	2.6
Sodium		274	J	202	1280
Thallium		1.4	U	1.4	2.6
Vanadium		18.8		0.98	12.8
Zinc		39.7		1.4	7.7

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-134303	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-134229	Lab File ID:	134226.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	11/02/2012 1526			Final Weight/Volume:	100 mL
Prep Date:	11/02/2012 1032				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.029	J H	0.028	0.042

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Client Sample ID: SO-17338-082912-MM-225

Lab Sample ID: 460-46532-2

Date Sampled: 08/29/2012 1205

Client Matrix: Solid

% Moisture: 11.9

Date Received: 11/01/2012 1115

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-134397	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-134309	Lab File ID:	11042012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.02 g
Analysis Date:	11/04/2012 2013			Final Weight/Volume:	50 mL
Prep Date:	11/02/2012 1640				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		11200		20.2	44.5
Antimony		1.4	U	1.4	2.2
Arsenic		4.1		1.0	1.1
Barium		54.9		1.3	44.5
Beryllium		0.36	J	0.16	0.44
Cadmium		0.16	U	0.16	1.1
Calcium		380	J	78.8	1110
Chromium		19.9		0.96	2.2
Cobalt		3.3	J	0.95	11.1
Copper		4.9	J	2.2	5.6
Iron		15900		13.5	33.4
Lead		10.9		0.96	1.1
Magnesium		1190		80.1	1110
Manganese		59.9		0.98	3.3
Nickel		6.3	J	0.98	8.9
Potassium		316	J	119	1110
Selenium		1.5	U	1.5	2.2
Silver		0.22	U	0.22	2.2
Sodium		462	J	176	1110
Thallium		1.3	U	1.3	2.2
Vanadium		31.1		0.85	11.1
Zinc		19.3		1.2	6.7

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-134303	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-134229	Lab File ID:	134226.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	11/02/2012 1529			Final Weight/Volume:	100 mL
Prep Date:	11/02/2012 1032				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.024	U H	0.024	0.036

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Client Sample ID: SO-17338-082912-MM-227

Lab Sample ID: 460-46532-3

Date Sampled: 08/29/2012 1415

Client Matrix: Solid

% Moisture: 16.5

Date Received: 11/01/2012 1115

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 460-134442

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-134401

Lab File ID: 11052012.asc

Dilution: 4.0

Initial Weight/Volume: 1.03 g

Analysis Date: 11/05/2012 1257

Final Weight/Volume: 50 mL

Prep Date: 11/05/2012 0815

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		16600		21.2	46.5
Antimony		1.7	J	1.4	2.3
Arsenic		5.3		1.1	1.2
Barium		58.4		1.3	46.5
Beryllium		0.58		0.17	0.46
Cadmium		0.45	J	0.17	1.2
Calcium		354	J	82.3	1160
Chromium		27.5		1.0	2.3
Cobalt		4.5	J	0.99	11.6
Copper		8.3		2.3	5.8
Iron		22700		14.1	34.9
Lead		10.8		1.0	1.2
Magnesium		1900		83.7	1160
Manganese		85.5		1.0	3.5
Nickel		9.9		1.0	9.3
Potassium		549	J	124	1160
Selenium		1.5	U	1.5	2.3
Silver		0.23	U	0.23	2.3
Sodium		184	U	184	1160
Thallium		1.3	U	1.3	2.3
Vanadium		38.7		0.89	11.6
Zinc		27.8		1.3	7.0

7471A Mercury (CVAA)

Analysis Method: 7471A

Analysis Batch: 460-134303

Instrument ID: LEEMAN5

Prep Method: 7471A

Prep Batch: 460-134229

Lab File ID: 134226.PRN

Dilution: 1.0

Initial Weight/Volume: 0.62 g

Analysis Date: 11/02/2012 1535

Final Weight/Volume: 100 mL

Prep Date: 11/02/2012 1032

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.025	U H	0.025	0.038

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Client Sample ID: SO-17338-083012-MM-235

Lab Sample ID: 460-46532-4

Date Sampled: 08/30/2012 1210

Client Matrix: Solid

% Moisture: 18.7

Date Received: 11/01/2012 1115

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 460-134442

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-134401

Lab File ID: 11052012.asc

Dilution: 4.0

Initial Weight/Volume: 1.03 g

Analysis Date: 11/05/2012 1301

Final Weight/Volume: 50 mL

Prep Date: 11/05/2012 0815

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		15800		21.7	47.8
Antimony		1.5	U	1.5	2.4
Arsenic		2.8		1.1	1.2
Barium		83.0		1.4	47.8
Beryllium		0.39	J	0.17	0.48
Cadmium		0.40	J	0.18	1.2
Calcium		520	J	84.6	1190
Chromium		24.3		1.0	2.4
Cobalt		2.4	J	1.0	11.9
Copper		9.3		2.3	6.0
Iron		16000		14.5	35.8
Lead		25.6		1.0	1.2
Magnesium		987	J	86.0	1190
Manganese		39.5		1.1	3.6
Nickel		5.3	J	1.1	9.6
Potassium		593	J	128	1190
Selenium		1.6	U	1.6	2.4
Silver		0.24	U	0.24	2.4
Sodium		314	J	189	1190
Thallium		1.3	U	1.3	2.4
Vanadium		36.1		0.92	11.9
Zinc		28.4		1.3	7.2

7471A Mercury (CVAA)

Analysis Method: 7471A

Analysis Batch: 460-134303

Instrument ID: LEEMAN5

Prep Method: 7471A

Prep Batch: 460-134229

Lab File ID: 134226.PRN

Dilution: 1.0

Initial Weight/Volume: 0.60 g

Analysis Date: 11/02/2012 1538

Final Weight/Volume: 100 mL

Prep Date: 11/02/2012 1032

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.040	J H	0.027	0.041

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Client Sample ID: SO-17338-083012-MM-236

Lab Sample ID: 460-46532-5

Date Sampled: 08/30/2012 1225

Client Matrix: Solid

% Moisture: 19.2

Date Received: 11/01/2012 1115

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-134442	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-134401	Lab File ID:	11052012.asc
Dilution:	4.0			Initial Weight/Volume:	1.07 g
Analysis Date:	11/05/2012 1305			Final Weight/Volume:	50 mL
Prep Date:	11/05/2012 0815				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		14500		21.0	46.3
Antimony		1.4	U	1.4	2.3
Arsenic		2.9		1.1	1.2
Barium		74.2		1.3	46.3
Beryllium		0.39	J	0.17	0.46
Cadmium		0.24	J	0.17	1.2
Calcium		438	J	81.9	1160
Chromium		25.7		0.99	2.3
Cobalt		2.5	J	0.99	11.6
Copper		8.5		2.2	5.8
Iron		11100		14.0	34.7
Lead		32.5		0.99	1.2
Magnesium		1220		83.3	1160
Manganese		44.2		1.0	3.5
Nickel		6.4	J	1.0	9.3
Potassium		704	J	124	1160
Selenium		1.5	U	1.5	2.3
Silver		0.23	U	0.23	2.3
Sodium		285	J	183	1160
Thallium		1.3	U	1.3	2.3
Vanadium		30.9		0.89	11.6
Zinc		25.5		1.2	6.9

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-134303	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-134229	Lab File ID:	134226.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	11/02/2012 1541			Final Weight/Volume:	100 mL
Prep Date:	11/02/2012 1032				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.027	J H	0.026	0.040

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Client Sample ID: SO-17338-090612-MM-243

Lab Sample ID: 460-46532-6

Date Sampled: 09/06/2012 1130

Client Matrix: Solid

% Moisture: 19.4

Date Received: 11/01/2012 1115

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 460-134442

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-134401

Lab File ID: 11052012.asc

Dilution: 4.0

Initial Weight/Volume: 1.10 g

Analysis Date: 11/05/2012 1316

Final Weight/Volume: 50 mL

Prep Date: 11/05/2012 0815

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		17100		20.5	45.1
Antimony		1.4	U	1.4	2.3
Arsenic		1.6		1.1	1.1
Barium		104		1.3	45.1
Beryllium		0.45		0.16	0.45
Cadmium		0.34	J	0.17	1.1
Calcium		531	J	79.9	1130
Chromium		29.1		0.97	2.3
Cobalt		2.7	J	0.96	11.3
Copper		7.0		2.2	5.6
Iron		15100		13.6	33.8
Lead		13.6		0.97	1.1
Magnesium		1620		81.2	1130
Manganese		41.4		0.99	3.4
Nickel		7.4	J	0.99	9.0
Potassium		681	J	121	1130
Selenium		1.5	U	1.5	2.3
Silver		0.23	U	0.23	2.3
Sodium		178	U	178	1130
Thallium		1.3	U	1.3	2.3
Vanadium		25.7		0.87	11.3
Zinc		24.1		1.2	6.8

7471A Mercury (CVAA)

Analysis Method: 7471A

Analysis Batch: 460-134303

Instrument ID: LEEMAN5

Prep Method: 7471A

Prep Batch: 460-134229

Lab File ID: 134226.PRN

Dilution: 1.0

Initial Weight/Volume: 0.62 g

Analysis Date: 11/02/2012 1543

Final Weight/Volume: 100 mL

Prep Date: 11/02/2012 1032

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.031	J H	0.026	0.040

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Client Sample ID: SO-17338-090612-MM-247

Lab Sample ID: 460-46532-7

Date Sampled: 09/06/2012 1400

Client Matrix: Solid

% Moisture: 21.9

Date Received: 11/01/2012 1115

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 460-134442

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-134401

Lab File ID: 11052012.asc

Dilution: 4.0

Initial Weight/Volume: 1.03 g

Analysis Date: 11/05/2012 1433

Final Weight/Volume: 50 mL

Prep Date: 11/05/2012 0815

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7270		22.6	49.7
Antimony		1.5	U	1.5	2.5
Arsenic		1.9		1.2	1.2
Barium		105		1.4	49.7
Beryllium		0.19	J	0.18	0.50
Cadmium		0.18	U	0.18	1.2
Calcium		426	J	88.0	1240
Chromium		11.2		1.1	2.5
Cobalt		1.5	J	1.1	12.4
Copper		2.9	J	2.4	6.2
Iron		7470		15.0	37.3
Lead		16.4		1.1	1.2
Magnesium		497	J	89.5	1240
Manganese		23.6		1.1	3.7
Nickel		3.1	J	1.1	9.9
Potassium		269	J	133	1240
Selenium		1.6	U	1.6	2.5
Silver		0.25	U	0.25	2.5
Sodium		196	U	196	1240
Thallium		1.4	U	1.4	2.5
Vanadium		17.9		0.95	12.4
Zinc		12.7		1.3	7.5

7471A Mercury (CVAA)

Analysis Method: 7471A

Analysis Batch: 460-134282

Instrument ID: LEEMAN3

Prep Method: 7471A

Prep Batch: 460-134233

Lab File ID: 134208hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.60 g

Analysis Date: 11/02/2012 1350

Final Weight/Volume: 100 mL

Prep Date: 11/02/2012 1049

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.028	U H	0.028	0.042

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Client Sample ID: SO-17338-090612-MM-251

Lab Sample ID: 460-46532-8

Date Sampled: 09/06/2012 1200

Client Matrix: Solid

% Moisture: 15.4

Date Received: 11/01/2012 1115

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 460-134442

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-134401

Lab File ID: 11052012.asc

Dilution: 4.0

Initial Weight/Volume: 1.07 g

Analysis Date: 11/05/2012 1319

Final Weight/Volume: 50 mL

Prep Date: 11/05/2012 0815

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		11900		20.1	44.2
Antimony		1.4	U	1.4	2.2
Arsenic		3.0		1.0	1.1
Barium		154		1.3	44.2
Beryllium		0.59		0.16	0.44
Cadmium		0.24	J	0.16	1.1
Calcium		690	J	78.2	1100
Chromium		13.2		0.95	2.2
Cobalt		4.2	J	0.94	11.0
Copper		6.5		2.1	5.5
Iron		11800		13.4	33.1
Lead		17.0		0.95	1.1
Magnesium		827	J	79.5	1100
Manganese		111		0.97	3.3
Nickel		8.6	J	0.97	8.8
Potassium		438	J	118	1100
Selenium		1.5	U	1.5	2.2
Silver		0.22	U	0.22	2.2
Sodium		356	J	175	1100
Thallium		1.2	U	1.2	2.2
Vanadium		20.9		0.85	11.0
Zinc		27.0		1.2	6.6

7471A Mercury (CVAA)

Analysis Method: 7471A

Analysis Batch: 460-134303

Instrument ID: LEEMAN5

Prep Method: 7471A

Prep Batch: 460-134229

Lab File ID: 134226.PRN

Dilution: 1.0

Initial Weight/Volume: 0.61 g

Analysis Date: 11/02/2012 1545

Final Weight/Volume: 100 mL

Prep Date: 11/02/2012 1032

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.046	H	0.026	0.038

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Client Sample ID: SO-17338-090612-MM-253

Lab Sample ID: 460-46532-9

Date Sampled: 09/06/2012 1330

Client Matrix: Solid

% Moisture: 24.3

Date Received: 11/01/2012 1115

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-134442	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-134401	Lab File ID:	11052012.asc
Dilution:	4.0			Initial Weight/Volume:	1.08 g
Analysis Date:	11/05/2012 1323			Final Weight/Volume:	50 mL
Prep Date:	11/05/2012 0815				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		19600		22.3	48.9
Antimony		1.5	J	1.5	2.4
Arsenic		7.2		1.1	1.2
Barium		87.7		1.4	48.9
Beryllium		0.44	J	0.18	0.49
Cadmium		0.81	J	0.18	1.2
Calcium		1080	J	86.6	1220
Chromium		31.6		1.1	2.4
Cobalt		1.8	J	1.0	12.2
Copper		8.6		2.4	6.1
Iron		37700		14.8	36.7
Lead		9.9		1.1	1.2
Magnesium		1080	J	88.1	1220
Manganese		27.3		1.1	3.7
Nickel		4.7	J	1.1	9.8
Potassium		523	J	131	1220
Selenium		1.6	U	1.6	2.4
Silver		0.24	U	0.24	2.4
Sodium		210	J	193	1220
Thallium		1.4	U	1.4	2.4
Vanadium		52.5		0.94	12.2
Zinc		19.0		1.3	7.3

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-134303	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-134229	Lab File ID:	134226.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	11/02/2012 1548			Final Weight/Volume:	100 mL
Prep Date:	11/02/2012 1032				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.038	J H	0.029	0.043

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Client Sample ID: SO-17338-090612-MM-255

Lab Sample ID: 460-46532-10

Date Sampled: 09/06/2012 1440

Client Matrix: Solid

% Moisture: 8.3

Date Received: 11/01/2012 1115

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 460-134442

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-134401

Lab File ID: 11052012.asc

Dilution: 4.0

Initial Weight/Volume: 1.06 g

Analysis Date: 11/05/2012 1327

Final Weight/Volume: 50 mL

Prep Date: 11/05/2012 0815

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7760		18.7	41.2
Antimony		1.3	U	1.3	2.1
Arsenic		4.8		0.97	1.0
Barium		180		1.2	41.2
Beryllium		0.39	J	0.15	0.41
Cadmium		0.61	J	0.15	1.0
Calcium		12800		72.9	1030
Chromium		14.0		0.88	2.1
Cobalt		5.2	J	0.88	10.3
Copper		8.5		2.0	5.1
Iron		13900		12.5	30.9
Lead		97.8		0.88	1.0
Magnesium		4000		74.1	1030
Manganese		284		0.91	3.1
Nickel		7.3	J	0.91	8.2
Potassium		1330		110	1030
Selenium		1.4	U	1.4	2.1
Silver		0.21	U	0.21	2.1
Sodium		238	J	163	1030
Thallium		1.2	U	1.2	2.1
Vanadium		22.4		0.79	10.3
Zinc		45.3		1.1	6.2

7471A Mercury (CVAA)

Analysis Method: 7471A

Analysis Batch: 460-134303

Instrument ID: LEEMAN5

Prep Method: 7471A

Prep Batch: 460-134229

Lab File ID: 134226.PRN

Dilution: 1.0

Initial Weight/Volume: 0.61 g

Analysis Date: 11/02/2012 1550

Final Weight/Volume: 100 mL

Prep Date: 11/02/2012 1218

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.046	H	0.024	0.035

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

General Chemistry**Client Sample ID:** SO-17338-082912-MM-223

Lab Sample ID: 460-46532-1

Date Sampled: 08/29/2012 1120

Client Matrix: Solid

Date Received: 11/01/2012 1115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	21.8	H	%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-134110		Analysis Date: 11/01/2012 1410				DryWt Corrected: N
Percent Solids	78.2	H	%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-134110		Analysis Date: 11/01/2012 1410				DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

General Chemistry**Client Sample ID:** SO-17338-082912-MM-225

Lab Sample ID: 460-46532-2

Date Sampled: 08/29/2012 1205

Client Matrix: Solid

Date Received: 11/01/2012 1115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.9	H	%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-134110		Analysis Date: 11/01/2012 1410				DryWt Corrected: N
Percent Solids	88.1	H	%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-134110		Analysis Date: 11/01/2012 1410				DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

General Chemistry**Client Sample ID:** SO-17338-082912-MM-227

Lab Sample ID: 460-46532-3

Date Sampled: 08/29/2012 1415

Client Matrix: Solid

Date Received: 11/01/2012 1115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16.5	H	%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-134110	Analysis Date: 11/01/2012 1410					DryWt Corrected: N
Percent Solids	83.5	H	%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-134110	Analysis Date: 11/01/2012 1410					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

General Chemistry**Client Sample ID:** SO-17338-083012-MM-235

Lab Sample ID: 460-46532-4

Date Sampled: 08/30/2012 1210

Client Matrix: Solid

Date Received: 11/01/2012 1115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18.7	H	%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-134110		Analysis Date: 11/01/2012 1410				DryWt Corrected: N
Percent Solids	81.3	H	%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-134110		Analysis Date: 11/01/2012 1410				DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

General Chemistry**Client Sample ID:** SO-17338-083012-MM-236

Lab Sample ID: 460-46532-5

Date Sampled: 08/30/2012 1225

Client Matrix: Solid

Date Received: 11/01/2012 1115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19.2	H	%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-134110		Analysis Date: 11/01/2012 1410				DryWt Corrected: N
Percent Solids	80.8	H	%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-134110		Analysis Date: 11/01/2012 1410				DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

General Chemistry**Client Sample ID:** SO-17338-090612-MM-243

Lab Sample ID: 460-46532-6

Date Sampled: 09/06/2012 1130

Client Matrix: Solid

Date Received: 11/01/2012 1115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19.4	H	%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-134110		Analysis Date: 11/01/2012 1410				DryWt Corrected: N
Percent Solids	80.6	H	%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-134110		Analysis Date: 11/01/2012 1410				DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

General Chemistry**Client Sample ID:** SO-17338-090612-MM-247

Lab Sample ID: 460-46532-7

Date Sampled: 09/06/2012 1400

Client Matrix: Solid

Date Received: 11/01/2012 1115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	21.9	H	%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-134130		Analysis Date: 11/01/2012 1413				DryWt Corrected: N
Percent Solids	78.1	H	%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-134130		Analysis Date: 11/01/2012 1413				DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

General Chemistry**Client Sample ID:** SO-17338-090612-MM-251

Lab Sample ID: 460-46532-8

Date Sampled: 09/06/2012 1200

Client Matrix: Solid

Date Received: 11/01/2012 1115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.4	H	%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-134110	Analysis Date: 11/01/2012 1410					DryWt Corrected: N
Percent Solids	84.6	H	%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-134110	Analysis Date: 11/01/2012 1410					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

General Chemistry**Client Sample ID:** SO-17338-090612-MM-253

Lab Sample ID: 460-46532-9

Date Sampled: 09/06/2012 1330

Client Matrix: Solid

Date Received: 11/01/2012 1115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	24.3	H	%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-134110	Analysis Date: 11/01/2012 1410					DryWt Corrected: N
Percent Solids	75.7	H	%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-134110	Analysis Date: 11/01/2012 1410					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

General Chemistry**Client Sample ID:** SO-17338-090612-MM-255

Lab Sample ID: 460-46532-10

Date Sampled: 09/06/2012 1440

Client Matrix: Solid

Date Received: 11/01/2012 1115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.3	H	%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-134130		Analysis Date: 11/01/2012 1413				DryWt Corrected: N
Percent Solids	91.7	H	%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-134130		Analysis Date: 11/01/2012 1413				DryWt Corrected: N

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Method Blank - Batch: 460-134309

Method: 6010B

Preparation: 3050B

Lab Sample ID: MB 460-134309/1-A ^2
 Client Matrix: Solid
 Dilution: 2.0
 Analysis Date: 11/04/2012 1842
 Prep Date: 11/02/2012 1640
 Leach Date: N/A

Analysis Batch: 460-134397
 Prep Batch: 460-134309
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: ICP5
 Lab File ID: 11042012A.asc
 Initial Weight/Volume: 1.00 g
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Aluminum	9.1	U	9.1	20.0
Antimony	0.62	U	0.62	1.0
Arsenic	0.47	U	0.47	0.50
Barium	0.57	U	0.57	20.0
Beryllium	0.072	U	0.072	0.20
Cadmium	0.074	U	0.074	0.50
Calcium	35.4	U	35.4	500
Chromium	0.43	U	0.43	1.0
Cobalt	0.43	U	0.43	5.0
Copper	0.97	U	0.97	2.5
Iron	6.1	U	6.1	15.0
Lead	0.43	U	0.43	0.50
Magnesium	36.0	U	36.0	500
Manganese	0.44	U	0.44	1.5
Nickel	0.44	U	0.44	4.0
Potassium	53.5	U	53.5	500
Selenium	0.66	U	0.66	1.0
Silver	0.10	U	0.10	1.0
Sodium	79.0	U	79.0	500
Thallium	0.57	U	0.57	1.0
Vanadium	0.38	U	0.38	5.0
Zinc	0.54	U	0.54	3.0

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

LCS-Certified Reference Material - Batch: 460-134309

Method: 6010B

Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	460-134397	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-134309	Lab File ID:	11042012A.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	11/04/2012 1831	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/02/2012 1640				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	9130	5669	62.1	43.3 - 156.8	
Antimony	118	197.6	168.0	20.8 - 252.5	
Arsenic	165	150.0	91.1	70.8 - 129.8	
Barium	209	196.1	93.9	73.2 - 126.8	
Beryllium	108	100.5	93.2	75.1 - 125.5	
Cadmium	101	97.88	96.9	73.0 - 126.2	
Calcium	6740	6614	98.2	74.4 - 125.8	
Chromium	117	115.4	98.9	69.7 - 129.4	
Cobalt	128	128.6	100.1	74.4 - 125.2	
Copper	116	106.7	92.2	74.6 - 124.6	
Iron	12700	11940	93.6	32.2 - 167.7	
Lead	75.4	74.18	98.4	68.7 - 131.3	
Magnesium	2730	2218	81.4	65.1 - 135.3	
Manganese	331	352.2	106.3	75.4 - 125.1	
Nickel	68.6	68.63	100	70.9 - 129.0	
Potassium	3070	2465	80.3	62.9 - 136.7	
Selenium	124	114.6	92.7	66.7 - 134.1	
Silver	41.5	36.53	88.1	66.2 - 134.0	
Sodium	343	294.9	85.9	42.9 - 156.9	J
Thallium	204	211.6	103.7	69.2 - 130.8	
Vanadium	85.4	81.67	95.6	63.1 - 136.6	
Zinc	271	258.0	95.4	71.4 - 128.6	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Matrix Spike - Batch: 460-134309

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-46561-F-6-C MS ^4
Client Matrix: Solid
Dilution: 4.0
Analysis Date: 11/04/2012 1849
Prep Date: 11/02/2012 1640
Leach Date: N/A

Analysis Batch: 460-134397
Prep Batch: 460-134309
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP5
Lab File ID: 11042012A.asc
Initial Weight/Volume: 1.02 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	3360	207	5163	870	75 - 125	4
Antimony	1.3 U	51.9	44.92	87	75 - 125	
Arsenic	2.5	207	186.8	89	75 - 125	
Barium	45.8	207	250.7	99	75 - 125	
Beryllium	0.42	5.19	5.37	95	75 - 125	
Cadmium	0.16 U	5.19	4.97	96	75 - 125	
Calcium	1950	2070	4152	106	75 - 125	
Chromium	13.0	20.7	35.19	107	75 - 125	
Cobalt	3.9 J	51.9	55.30	99	75 - 125	
Copper	2.0 U	25.9	25.81	100	75 - 125	
Iron	17200	104	18920	1609	75 - 125	4
Lead	5.8	51.9	58.16	101	75 - 125	
Magnesium	1090	2070	3550	118	75 - 125	
Manganese	153	51.9	205.1	101	75 - 125	
Nickel	7.6 J	51.9	60.73	102	75 - 125	
Potassium	505 J	2070	2403	91	75 - 125	
Selenium	1.4 U	207	181.0	87	75 - 125	
Silver	0.21 U	5.19	4.50	87	75 - 125	
Sodium	166 U	2070	2141	103	75 - 125	
Thallium	1.2 U	207	210.8	102	75 - 125	
Vanadium	13.0	51.9	63.99	98	75 - 125	
Zinc	11.1	51.9	64.51	103	75 - 125	

Post Digestion Spike - Batch: 460-134309

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-46561-F-6-A PDS ^4
Client Matrix: Solid
Dilution: 4.0
Analysis Date: 11/04/2012 1853
Prep Date: 11/02/2012 1640
Leach Date: N/A

Analysis Batch: 460-134397
Prep Batch: 460-134309
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP5
Lab File ID: 11042012A.asc
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	3360	419	3753	95	75 - 125	
Antimony	1.3 U	105	89.50	85	75 - 125	
Arsenic	2.5	419	371.5	88	75 - 125	
Barium	45.8	419	449.3	96	75 - 125	
Beryllium	0.42	10.5	10.19	93	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Post Digestion Spike - Batch: 460-134309

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-46561-F-6-A PDS ^4
 Client Matrix: Solid
 Dilution: 4.0
 Analysis Date: 11/04/2012 1853
 Prep Date: 11/02/2012 1640
 Leach Date: N/A

Analysis Batch: 460-134397
 Prep Batch: 460-134309
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: ICP5
 Lab File ID: 11042012A.asc
 Initial Weight/Volume: 1.01 g
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.16	U	10.5	9.83	94	75 - 125	
Calcium	1950		4190	6136	100	75 - 125	
Chromium	13.0		41.9	53.00	95	75 - 125	
Cobalt	3.9	J	105	102.9	95	75 - 125	
Copper	2.0	U	52.4	48.18	92	75 - 125	
Iron	17200		210	17390	NC	75 - 125	
Lead	5.8		105	106.4	96	75 - 125	
Magnesium	1090		4190	4989	93	75 - 125	
Manganese	153		105	252.5	95	75 - 125	
Nickel	7.6	J	105	107.9	96	75 - 125	
Potassium	505	J	4190	4407	93	75 - 125	
Selenium	1.4	U	419	364.4	87	75 - 125	
Silver	0.21	U	10.5	8.82	84	75 - 125	
Sodium	166	U	4190	4126	98	75 - 125	
Thallium	1.2	U	419	415.5	99	75 - 125	
Vanadium	13.0		105	109.8	92	75 - 125	
Zinc	11.1		105	109.5	94	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Duplicate - Batch: 460-134309

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-46561-F-6-B DU ^4
 Client Matrix: Solid
 Dilution: 4.0
 Analysis Date: 11/04/2012 1824
 Prep Date: 11/02/2012 1640
 Leach Date: N/A

Analysis Batch: 460-134397
 Prep Batch: 460-134309
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: ICP5
 Lab File ID: 11042012A.asc
 Initial Weight/Volume: 1.00 g
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	3360		3547	6	20	
Antimony	1.3	U	1.3	NC	20	U
Arsenic	2.5		2.32	9	20	
Barium	45.8		47.47	4	20	
Beryllium	0.42		0.424	0.9	20	
Cadmium	0.16	U	0.16	NC	20	U
Calcium	1950		1919	1	20	
Chromium	13.0		13.85	6	20	
Cobalt	3.9	J	4.95	25	20	J
Copper	2.0	U	2.1	NC	20	U
Iron	17200		17520	2	20	
Lead	5.8		7.21	21	20	F
Magnesium	1090		1184	8	20	
Manganese	153		180.9	17	20	
Nickel	7.6	J	8.71	13	20	
Potassium	505	J	519.2	3	20	J
Selenium	1.4	U	1.4	NC	20	U
Silver	0.21	U	0.21	NC	20	U
Sodium	166	U	167	NC	20	U
Thallium	1.2	U	1.2	NC	20	U
Vanadium	13.0		13.84	7	20	
Zinc	11.1		13.23	17	20	

Serial Dilution - Batch: 460-134309

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-46561-F-6-A SD ^20
 Client Matrix: Solid
 Dilution: 20
 Analysis Date: 11/04/2012 1845
 Prep Date: 11/02/2012 1640
 Leach Date: N/A

Analysis Batch: 460-134397
 Prep Batch: 460-134309
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: ICP5
 Lab File ID: 11042012A.asc
 Initial Weight/Volume: 1.01 g
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	3360		3399	1.2	10	
Antimony	1.3	U	6.5	NC	10	U
Arsenic	2.5		6.40	NC	10	
Barium	45.8		46.21	NC	10	J
Beryllium	0.42		0.75	NC	10	U
Cadmium	0.16	U	0.78	NC	10	U
Calcium	1950		1968	NC	10	J

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Serial Dilution - Batch: 460-134309

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-46561-F-6-A SD ^20
 Client Matrix: Solid
 Dilution: 20
 Analysis Date: 11/04/2012 1845
 Prep Date: 11/02/2012 1640
 Leach Date: N/A

Analysis Batch: 460-134397
 Prep Batch: 460-134309
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: ICP5
 Lab File ID: 11042012A.asc
 Initial Weight/Volume: 1.01 g
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Chromium	13.0		13.24	NC	10	
Cobalt	3.9	J	4.5	NC	10	U
Copper	2.0	U	10.2	NC	10	U
Iron	17200		17630	2.2	10	
Lead	5.8		8.40	NC	10	
Magnesium	1090		1138	NC	10	J
Manganese	153		155.9	2.2	10	
Nickel	7.6	J	8.05	NC	10	J
Potassium	505	J	561	NC	10	U
Selenium	1.4	U	6.9	NC	10	U
Silver	0.21	U	1.0	NC	10	U
Sodium	166	U	828	NC	10	U
Thallium	1.2	U	5.9	NC	10	U
Vanadium	13.0		12.88	NC	10	J
Zinc	11.1		11.11	NC	10	J

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Method Blank - Batch: 460-134401

Method: 6010B

Preparation: 3050B

Lab Sample ID: MB 460-134401/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Analysis Date: 11/05/2012 1232
Prep Date: 11/05/2012 0815
Leach Date: N/A

Analysis Batch: 460-134442
Prep Batch: 460-134401
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP5
Lab File ID: 11052012.asc
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Aluminum	9.1	U	9.1	20.0
Antimony	0.62	U	0.62	1.0
Arsenic	0.47	U	0.47	0.50
Barium	0.57	U	0.57	20.0
Beryllium	0.072	U	0.072	0.20
Cadmium	0.074	U	0.074	0.50
Calcium	35.4	U	35.4	500
Chromium	0.43	U	0.43	1.0
Cobalt	0.43	U	0.43	5.0
Copper	0.97	U	0.97	2.5
Iron	6.1	U	6.1	15.0
Lead	0.43	U	0.43	0.50
Magnesium	36.0	U	36.0	500
Manganese	0.44	U	0.44	1.5
Nickel	0.44	U	0.44	4.0
Potassium	53.5	U	53.5	500
Selenium	0.66	U	0.66	1.0
Silver	0.10	U	0.10	1.0
Sodium	79.0	U	79.0	500
Thallium	0.57	U	0.57	1.0
Vanadium	0.38	U	0.38	5.0
Zinc	0.54	U	0.54	3.0

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

LCS-Certified Reference Material - Batch: 460-134401

Method: 6010B

Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	460-134442	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-134401	Lab File ID:	11052012.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	11/05/2012 1236	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/05/2012 0815				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	9040	5396	59.7	43.3 - 156.8	
Antimony	117	214.4	184.0	20.8 - 252.5	
Arsenic	163	158.9	97.4	70.8 - 129.8	
Barium	207	209.9	101.5	73.2 - 126.8	
Beryllium	107	105.5	98.8	75.1 - 125.5	
Cadmium	100	109.2	109.2	73.0 - 126.2	
Calcium	6670	7373	110.5	74.4 - 125.8	
Chromium	116	115.1	99.7	69.7 - 129.4	
Cobalt	127	143.7	113.0	74.4 - 125.2	
Copper	115	117.9	102.9	74.6 - 124.6	
Iron	12600	10950	86.8	32.2 - 167.7	
Lead	74.7	76.62	102.6	68.7 - 131.3	
Magnesium	2700	2120	78.6	65.1 - 135.3	
Manganese	328	350.1	106.7	75.4 - 125.1	
Nickel	68.0	77.03	113.3	70.9 - 129.0	
Potassium	3040	2414	79.4	62.9 - 136.7	
Selenium	122	124.0	101.4	66.7 - 134.1	
Silver	41.1	37.38	91.0	66.2 - 134.0	
Sodium	340	322.9	95.0	42.9 - 156.9	J
Thallium	202	228.0	112.9	69.2 - 130.8	
Vanadium	84.6	84.16	99.5	63.1 - 136.6	
Zinc	268	268.0	100	71.4 - 128.6	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Matrix Spike - Batch: 460-134401

Method: 6010B

Preparation: 3050B

Lab Sample ID:	460-46532-7	Analysis Batch:	460-134442	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-134401	Lab File ID:	11052012.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	11/05/2012 1440	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/05/2012 0815				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	7270	244	12050	1959	75 - 125	4
Antimony	1.5 U	60.9	25.96	43	75 - 125	F
Arsenic	1.9	244	210.2	85	75 - 125	
Barium	105	244	330.3	92	75 - 125	
Beryllium	0.19 J	6.09	6.11	97	75 - 125	
Cadmium	0.18 U	6.09	6.09	100	75 - 125	
Calcium	426 J	2440	2940	103	75 - 125	
Chromium	11.2	24.4	39.56	116	75 - 125	
Cobalt	1.5 J	60.9	62.57	100	75 - 125	
Copper	2.9 J	30.5	31.93	95	75 - 125	
Iron	7470	122	9355	1545	75 - 125	4
Lead	16.4	60.9	72.63	92	75 - 125	
Magnesium	497 J	2440	2961	101	75 - 125	
Manganese	23.6	60.9	87.33	105	75 - 125	
Nickel	3.1 J	60.9	65.59	103	75 - 125	
Potassium	269 J	2440	2752	102	75 - 125	
Selenium	1.6 U	244	218.2	90	75 - 125	
Silver	0.25 U	6.09	5.03	83	75 - 125	
Sodium	196 U	2440	2557	105	75 - 125	
Thallium	1.4 U	244	253.5	104	75 - 125	
Vanadium	17.9	60.9	81.39	104	75 - 125	
Zinc	12.7	60.9	71.73	97	75 - 125	

Post Digestion Spike - Batch: 460-134401

Method: 6010B

Preparation: 3050B

Lab Sample ID:	460-46532-7	Analysis Batch:	460-134442	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-134401	Lab File ID:	11052012.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	11/05/2012 1444	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/05/2012 0815				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	7270	497	7643	NC	75 - 125	
Antimony	1.5 U	124	109.8	88	75 - 125	
Arsenic	1.9	497	453.0	91	75 - 125	
Barium	105	497	604.8	100	75 - 125	
Beryllium	0.19 J	12.4	11.54	91	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Post Digestion Spike - Batch: 460-134401

Method: 6010B

Preparation: 3050B

Lab Sample ID:	460-46532-7	Analysis Batch:	460-134442	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-134401	Lab File ID:	11052012.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	11/05/2012 1444	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/05/2012 0815				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.18	U	12.4	12.10	97	75 - 125	
Calcium	426	J	4970	5372	100	75 - 125	
Chromium	11.2		49.7	58.81	96	75 - 125	
Cobalt	1.5	J	124	122.9	98	75 - 125	
Copper	2.9	J	62.1	59.26	91	75 - 125	
Iron	7470		248	7621	NC	75 - 125	
Lead	16.4		124	138.5	98	75 - 125	
Magnesium	497	J	4970	4979	90	75 - 125	
Manganese	23.6		124	145.1	98	75 - 125	
Nickel	3.1	J	124	125.1	98	75 - 125	
Potassium	269	J	4970	4743	90	75 - 125	
Selenium	1.6	U	497	447.8	90	75 - 125	
Silver	0.25	U	12.4	10.32	83	75 - 125	
Sodium	196	U	4970	4880	98	75 - 125	
Thallium	1.4	U	497	508.4	102	75 - 125	
Vanadium	17.9		124	135.1	94	75 - 125	
Zinc	12.7		124	127.8	93	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Duplicate - Batch: 460-134401

Method: 6010B
Preparation: 3050B

Lab Sample ID:	460-46532-7	Analysis Batch:	460-134442	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-134401	Lab File ID:	11052012.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	11/05/2012 1429	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/05/2012 0815				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	7270		7407	2	20	
Antimony	1.5	U	1.6	NC	20	U
Arsenic	1.9		1.84	4	20	
Barium	105		105.2	0.2	20	
Beryllium	0.19	J	0.189	3	20	J
Cadmium	0.18	U	0.19	NC	20	U
Calcium	426	J	433.6	2	20	J
Chromium	11.2		11.27	0.4	20	
Cobalt	1.5	J	1.52	0.8	20	J
Copper	2.9	J	3.08	5	20	J
Iron	7470		7500	0.4	20	
Lead	16.4		16.94	3	20	
Magnesium	497	J	497.3	0.02	20	J
Manganese	23.6		23.75	0.6	20	
Nickel	3.1	J	2.89	6	20	J
Potassium	269	J	273.2	2	20	J
Selenium	1.6	U	1.7	NC	20	U
Silver	0.25	U	0.25	NC	20	U
Sodium	196	U	198	NC	20	U
Thallium	1.4	U	1.4	NC	20	U
Vanadium	17.9		17.75	1	20	
Zinc	12.7		12.56	1	20	

Serial Dilution - Batch: 460-134401

Method: 6010B
Preparation: 3050B

Lab Sample ID:	460-46532-7	Analysis Batch:	460-134442	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-134401	Lab File ID:	11052012.asc
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	11/05/2012 1437	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/05/2012 0815				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	7270		7060	2.9	10	
Antimony	1.5	U	7.7	NC	10	U
Arsenic	1.9		5.8	NC	10	U
Barium	105		104.3	1.1	10	J
Beryllium	0.19	J	0.89	NC	10	U
Cadmium	0.18	U	0.92	NC	10	U
Calcium	426	J	440	NC	10	U

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Serial Dilution - Batch: 460-134401

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-46532-7

Analysis Batch: 460-134442

Instrument ID: ICP5

Client Matrix: Solid

Prep Batch: 460-134401

Lab File ID: 11052012.asc

Dilution: 20

Leach Batch: N/A

Initial Weight/Volume: 1.03 g

Analysis Date: 11/05/2012 1437

Units: mg/Kg

Final Weight/Volume: 50 mL

Prep Date: 11/05/2012 0815

Leach Date: N/A

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Chromium	11.2		10.72	NC	10	J
Cobalt	1.5	J	5.3	NC	10	U
Copper	2.9	J	12.1	NC	10	U
Iron	7470		7341	1.7	10	
Lead	16.4		17.85	NC	10	
Magnesium	497	J	507.9	NC	10	J
Manganese	23.6		23.26	NC	10	
Nickel	3.1	J	5.5	NC	10	U
Potassium	269	J	665	NC	10	U
Selenium	1.6	U	8.2	NC	10	U
Silver	0.25	U	1.2	NC	10	U
Sodium	196	U	981	NC	10	U
Thallium	1.4	U	7.0	NC	10	U
Vanadium	17.9		16.77	NC	10	J
Zinc	12.7		11.91	NC	10	J

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Method Blank - Batch: 460-134229

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 460-134229/1-A	Analysis Batch:	460-134303	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-134229	Lab File ID:	134226.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	11/02/2012 1510	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/02/2012 1032				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.022	U	0.022	0.033

LCS-Certified Reference Material - Batch: 460-134229

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCSSRM	Analysis Batch:	460-134303	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-134229	Lab File ID:	134226.PRN
Dilution:	25	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	11/02/2012 1512	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/02/2012 1032				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	25.1	24.17	96.3	51.4 - 148.2	

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-134229

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	460-46494-C-1-C MS	Analysis Batch:	460-134303	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-134229	Lab File ID:	134226.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	11/02/2012 1518			Final Weight/Volume:	100 mL
Prep Date:	11/02/2012 1032				
Leach Date:	N/A				

MSD Lab Sample ID:	460-46494-C-1-D MSD	Analysis Batch:	460-134303	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-134229	Lab File ID:	134226.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	11/02/2012 1520			Final Weight/Volume:	100 mL
Prep Date:	11/02/2012 1032				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	91	87	75 - 125	4	20		

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-134229

Method: 7471A
Preparation: 7471A

MS Lab Sample ID: 460-46494-C-1-C MS Units: mg/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 11/02/2012 1518
Prep Date: 11/02/2012 1032
Leach Date: N/A

MSD Lab Sample ID: 460-46494-C-1-D MSD
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 11/02/2012 1520
Prep Date: 11/02/2012 1032
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	0.036 J	0.192	0.192	0.211	0.203

Duplicate - Batch: 460-134229

Method: 7471A
Preparation: 7471A

Lab Sample ID: 460-46494-C-1-B DU
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 11/02/2012 1517
Prep Date: 11/02/2012 1032
Leach Date: N/A

Analysis Batch: 460-134303
Prep Batch: 460-134229
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN5
Lab File ID: 134226.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.036 J	0.0278	27	20	J

Serial Dilution - Batch: 460-134229

Method: 7471A
Preparation: 7471A

Lab Sample ID: 460-46494-C-1-A SD ^5
Client Matrix: Solid
Dilution: 5.0
Analysis Date: 11/02/2012 1553
Prep Date: 11/02/2012 1032
Leach Date: N/A

Analysis Batch: 460-134303
Prep Batch: 460-134229
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN5
Lab File ID: 134226.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	0.036 J	0.13	NC		U

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Method Blank - Batch: 460-134233

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 460-134233/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 11/02/2012 1346
Prep Date: 11/02/2012 1049
Leach Date: N/A

Analysis Batch: 460-134282
Prep Batch: 460-134233
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN3
Lab File ID: 134208hg1.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.022	U	0.022	0.033

LCS-Certified Reference Material - Batch: 460-134233

Method: 7471A
Preparation: 7471A

Lab Sample ID: LCSSRM
Client Matrix: Solid
Dilution: 25
Analysis Date: 11/02/2012 1348
Prep Date: 11/02/2012 1049
Leach Date: N/A

Analysis Batch: 460-134282
Prep Batch: 460-134233
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN3
Lab File ID: 134208hg1.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	25.1	24.08	95.9	51.4 - 148.2	

Matrix Spike - Batch: 460-134233

Method: 7471A
Preparation: 7471A

Lab Sample ID: 460-46532-7
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 11/02/2012 1354
Prep Date: 11/02/2012 1049
Leach Date: N/A

Analysis Batch: 460-134282
Prep Batch: 460-134233
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN3
Lab File ID: 134208hg1.PRN
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.028 U	0.213	0.237	111	75 - 125	H

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Duplicate - Batch: 460-134233

Method: 7471A
Preparation: 7471A

Lab Sample ID:	460-46532-7	Analysis Batch:	460-134282	Instrument ID:	LEEMAN3
Client Matrix:	Solid	Prep Batch:	460-134233	Lab File ID:	134208hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	11/02/2012 1352	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/02/2012 1049				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.028	U	0.028	NC	20	U H

Serial Dilution - Batch: 460-134233

Method: 7471A
Preparation: 7471A

Lab Sample ID:	460-46532-7	Analysis Batch:	460-134282	Instrument ID:	LEEMAN3
Client Matrix:	Solid	Prep Batch:	460-134233	Lab File ID:	134208hg1.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	11/02/2012 1356	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/02/2012 1049				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Mercury	0.028	U	0.14	NC		U H

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Duplicate - Batch: 460-134110

Method: Moisture Preparation: N/A

Lab Sample ID:	460-46532-9	Analysis Batch:	460-134110	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/01/2012 1410	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	24.3	27.0	11	20	
Percent Solids	75.7	73.0	4	20	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual

Duplicate - Batch: 460-134130

**Method: Moisture
Preparation: N/A**

Lab Sample ID:	460-46532-10	Analysis Batch:	460-134130	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/01/2012 1413	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	8.3	8.4	0.5	20	
Percent Solids	91.7	91.6	0.05	20	

Duplicate - Batch: 460-134130

**Method: Moisture
Preparation: N/A**

Lab Sample ID:	460-46532-7	Analysis Batch:	460-134130	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/01/2012 1413	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	21.9	21.9	0	20	H
Percent Solids	78.1	78.1	0	20	H

DATA REPORTING QUALIFIERS

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Lab Section	Qualifier	Description
Metals	U	Indicates the analyte was analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	F	MS/MSD Recovery or RPD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	H	Sample was prepped or analyzed beyond the specified holding time
General Chemistry		
	H	Sample was prepped or analyzed beyond the specified holding time

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-134229					
LCSSRM 460-134229/2-A ^25	LCS-Certified Reference Material	T	Solid	7471A	
MB 460-134229/1-A	Method Blank	T	Solid	7471A	
460-46494-C-1-B DU	Duplicate	T	Solid	7471A	
460-46494-C-1-C MS	Matrix Spike	T	Solid	7471A	
460-46494-C-1-D MSD	Matrix Spike Duplicate	T	Solid	7471A	
460-46532-1	SO-17338-082912-MM-223	T	Solid	7471A	
460-46532-2	SO-17338-082912-MM-225	T	Solid	7471A	
460-46532-3	SO-17338-082912-MM-227	T	Solid	7471A	
460-46532-4	SO-17338-083012-MM-235	T	Solid	7471A	
460-46532-5	SO-17338-083012-MM-236	T	Solid	7471A	
460-46532-6	SO-17338-090612-MM-243	T	Solid	7471A	
460-46532-8	SO-17338-090612-MM-251	T	Solid	7471A	
460-46532-9	SO-17338-090612-MM-253	T	Solid	7471A	
460-46532-10	SO-17338-090612-MM-255	T	Solid	7471A	
Prep Batch: 460-134233					
LCSSRM 460-134233/2-A ^25	LCS-Certified Reference Material	T	Solid	7471A	
MB 460-134233/1-A	Method Blank	T	Solid	7471A	
460-46532-7	SO-17338-090612-MM-247	T	Solid	7471A	
460-46532-7DU	Duplicate	T	Solid	7471A	
460-46532-7MS	Matrix Spike	T	Solid	7471A	
Analysis Batch:460-134282					
LCSSRM 460-134233/2-A ^25	LCS-Certified Reference Material	T	Solid	7471A	460-134233
MB 460-134233/1-A	Method Blank	T	Solid	7471A	460-134233
460-46532-7	SO-17338-090612-MM-247	T	Solid	7471A	460-134233
460-46532-7DU	Duplicate	T	Solid	7471A	460-134233
460-46532-7MS	Matrix Spike	T	Solid	7471A	460-134233
Analysis Batch:460-134303					
LCSSRM 460-134229/2-A ^25	LCS-Certified Reference Material	T	Solid	7471A	460-134229
MB 460-134229/1-A	Method Blank	T	Solid	7471A	460-134229
460-46494-C-1-B DU	Duplicate	T	Solid	7471A	460-134229
460-46494-C-1-C MS	Matrix Spike	T	Solid	7471A	460-134229
460-46494-C-1-D MSD	Matrix Spike Duplicate	T	Solid	7471A	460-134229
460-46532-1	SO-17338-082912-MM-223	T	Solid	7471A	460-134229
460-46532-2	SO-17338-082912-MM-225	T	Solid	7471A	460-134229
460-46532-3	SO-17338-082912-MM-227	T	Solid	7471A	460-134229
460-46532-4	SO-17338-083012-MM-235	T	Solid	7471A	460-134229
460-46532-5	SO-17338-083012-MM-236	T	Solid	7471A	460-134229
460-46532-6	SO-17338-090612-MM-243	T	Solid	7471A	460-134229
460-46532-8	SO-17338-090612-MM-251	T	Solid	7471A	460-134229
460-46532-9	SO-17338-090612-MM-253	T	Solid	7471A	460-134229
460-46532-10	SO-17338-090612-MM-255	T	Solid	7471A	460-134229

TestAmerica Edison

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-134309					
LCSSRM 460-134309/2-A ^4	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-134309/1-A ^2	Method Blank	T	Solid	3050B	
460-46532-1	SO-17338-082912-MM-223	T	Solid	3050B	
460-46532-2	SO-17338-082912-MM-225	T	Solid	3050B	
460-46561-F-6-B DU ^4	Duplicate	T	Solid	3050B	
460-46561-F-6-C MS ^4	Matrix Spike	T	Solid	3050B	
Analysis Batch:460-134397					
LCSSRM 460-134309/2-A ^4	LCS-Certified Reference Material	T	Solid	6010B	460-134309
MB 460-134309/1-A ^2	Method Blank	T	Solid	6010B	460-134309
460-46532-1	SO-17338-082912-MM-223	T	Solid	6010B	460-134309
460-46532-2	SO-17338-082912-MM-225	T	Solid	6010B	460-134309
460-46561-F-6-B DU ^4	Duplicate	T	Solid	6010B	460-134309
460-46561-F-6-C MS ^4	Matrix Spike	T	Solid	6010B	460-134309
Prep Batch: 460-134401					
LCSSRM 460-134401/2-A ^4	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-134401/1-A ^2	Method Blank	T	Solid	3050B	
460-46532-3	SO-17338-082912-MM-227	T	Solid	3050B	
460-46532-4	SO-17338-083012-MM-235	T	Solid	3050B	
460-46532-5	SO-17338-083012-MM-236	T	Solid	3050B	
460-46532-6	SO-17338-090612-MM-243	T	Solid	3050B	
460-46532-7	SO-17338-090612-MM-247	T	Solid	3050B	
460-46532-7DU	Duplicate	T	Solid	3050B	
460-46532-7MS	Matrix Spike	T	Solid	3050B	
460-46532-8	SO-17338-090612-MM-251	T	Solid	3050B	
460-46532-9	SO-17338-090612-MM-253	T	Solid	3050B	
460-46532-10	SO-17338-090612-MM-255	T	Solid	3050B	
Analysis Batch:460-134442					
LCSSRM 460-134401/2-A ^4	LCS-Certified Reference Material	T	Solid	6010B	460-134401
MB 460-134401/1-A ^2	Method Blank	T	Solid	6010B	460-134401
460-46532-3	SO-17338-082912-MM-227	T	Solid	6010B	460-134401
460-46532-4	SO-17338-083012-MM-235	T	Solid	6010B	460-134401
460-46532-5	SO-17338-083012-MM-236	T	Solid	6010B	460-134401
460-46532-6	SO-17338-090612-MM-243	T	Solid	6010B	460-134401
460-46532-7	SO-17338-090612-MM-247	T	Solid	6010B	460-134401
460-46532-7DU	Duplicate	T	Solid	6010B	460-134401
460-46532-7MS	Matrix Spike	T	Solid	6010B	460-134401
460-46532-8	SO-17338-090612-MM-251	T	Solid	6010B	460-134401
460-46532-9	SO-17338-090612-MM-253	T	Solid	6010B	460-134401
460-46532-10	SO-17338-090612-MM-255	T	Solid	6010B	460-134401

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis

T = Total

General Chemistry

Analysis Batch:460-134110

460-46532-1	SO-17338-082912-MM-223	T	Solid	Moisture
460-46532-2	SO-17338-082912-MM-225	T	Solid	Moisture
460-46532-3	SO-17338-082912-MM-227	T	Solid	Moisture
460-46532-4	SO-17338-083012-MM-235	T	Solid	Moisture
460-46532-5	SO-17338-083012-MM-236	T	Solid	Moisture
460-46532-6	SO-17338-090612-MM-243	T	Solid	Moisture
460-46532-8	SO-17338-090612-MM-251	T	Solid	Moisture
460-46532-9	SO-17338-090612-MM-253	T	Solid	Moisture
460-46532-9DU	Duplicate	T	Solid	Moisture

Analysis Batch:460-134130

460-46532-7	SO-17338-090612-MM-247	T	Solid	Moisture
460-46532-7DU	Duplicate	T	Solid	Moisture
460-46532-7MS	Matrix Spike	T	Solid	Moisture
460-46532-10	SO-17338-090612-MM-255	T	Solid	Moisture
460-46532-10DU	Duplicate	T	Solid	Moisture

Report Basis

T = Total

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Laboratory Chronicle

Lab ID: 460-46532-1

Client ID: SO-17338-082912-MM-223

Sample Date/Time: 08/29/2012 11:20

Received Date/Time: 11/01/2012 11:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-46532-A-1-B ^4		460-134397	460-134309	11/02/2012 16:40	4	TAL EDI	ARC
A:6010B	460-46532-A-1-B ^4		460-134397	460-134309	11/04/2012 20:17	4	TAL EDI	CDC
P:7471A	460-46532-A-1-A		460-134303	460-134229	11/02/2012 10:32	1	TAL EDI	PHP
A:7471A	460-46532-A-1-A		460-134303	460-134229	11/02/2012 15:26	1	TAL EDI	PHP
A:Moisture	460-46532-A-1		460-134110		11/01/2012 14:10	1	TAL EDI	CHA

Lab ID: 460-46532-2

Client ID: SO-17338-082912-MM-225

Sample Date/Time: 08/29/2012 12:05

Received Date/Time: 11/01/2012 11:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-46532-A-2-B ^4		460-134397	460-134309	11/02/2012 16:40	4	TAL EDI	ARC
A:6010B	460-46532-A-2-B ^4		460-134397	460-134309	11/04/2012 20:13	4	TAL EDI	CDC
P:7471A	460-46532-A-2-A		460-134303	460-134229	11/02/2012 10:32	1	TAL EDI	PHP
A:7471A	460-46532-A-2-A		460-134303	460-134229	11/02/2012 15:29	1	TAL EDI	PHP
A:Moisture	460-46532-A-2		460-134110		11/01/2012 14:10	1	TAL EDI	CHA

Lab ID: 460-46532-3

Client ID: SO-17338-082912-MM-227

Sample Date/Time: 08/29/2012 14:15

Received Date/Time: 11/01/2012 11:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-46532-A-3-B ^4		460-134442	460-134401	11/05/2012 08:15	4	TAL EDI	MC
A:6010B	460-46532-A-3-B ^4		460-134442	460-134401	11/05/2012 12:57	4	TAL EDI	CDC
P:7471A	460-46532-A-3-A		460-134303	460-134229	11/02/2012 10:32	1	TAL EDI	PHP
A:7471A	460-46532-A-3-A		460-134303	460-134229	11/02/2012 15:35	1	TAL EDI	PHP
A:Moisture	460-46532-A-3		460-134110		11/01/2012 14:10	1	TAL EDI	CHA

Lab ID: 460-46532-4

Client ID: SO-17338-083012-MM-235

Sample Date/Time: 08/30/2012 12:10

Received Date/Time: 11/01/2012 11:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-46532-A-4-B ^4		460-134442	460-134401	11/05/2012 08:15	4	TAL EDI	MC
A:6010B	460-46532-A-4-B ^4		460-134442	460-134401	11/05/2012 13:01	4	TAL EDI	CDC
P:7471A	460-46532-A-4-A		460-134303	460-134229	11/02/2012 10:32	1	TAL EDI	PHP
A:7471A	460-46532-A-4-A		460-134303	460-134229	11/02/2012 15:38	1	TAL EDI	PHP
A:Moisture	460-46532-A-4		460-134110		11/01/2012 14:10	1	TAL EDI	CHA

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Laboratory Chronicle

Lab ID: 460-46532-5

Client ID: SO-17338-083012-MM-236

Sample Date/Time: 08/30/2012 12:25

Received Date/Time: 11/01/2012 11:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-46532-A-5-B ^4		460-134442	460-134401	11/05/2012 08:15	4	TAL EDI	MC
A:6010B	460-46532-A-5-B ^4		460-134442	460-134401	11/05/2012 13:05	4	TAL EDI	CDC
P:7471A	460-46532-A-5-A		460-134303	460-134229	11/02/2012 10:32	1	TAL EDI	PHP
A:7471A	460-46532-A-5-A		460-134303	460-134229	11/02/2012 15:41	1	TAL EDI	PHP
A:Moisture	460-46532-A-5		460-134110		11/01/2012 14:10	1	TAL EDI	CHA

Lab ID: 460-46532-6

Client ID: SO-17338-090612-MM-243

Sample Date/Time: 09/06/2012 11:30

Received Date/Time: 11/01/2012 11:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-46532-A-6-B ^4		460-134442	460-134401	11/05/2012 08:15	4	TAL EDI	MC
A:6010B	460-46532-A-6-B ^4		460-134442	460-134401	11/05/2012 13:16	4	TAL EDI	CDC
P:7471A	460-46532-A-6-A		460-134303	460-134229	11/02/2012 10:32	1	TAL EDI	PHP
A:7471A	460-46532-A-6-A		460-134303	460-134229	11/02/2012 15:43	1	TAL EDI	PHP
A:Moisture	460-46532-A-6		460-134110		11/01/2012 14:10	1	TAL EDI	CHA

Lab ID: 460-46532-7

Client ID: SO-17338-090612-MM-247

Sample Date/Time: 09/06/2012 14:00

Received Date/Time: 11/01/2012 11:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-46532-A-7-D ^4		460-134442	460-134401	11/05/2012 08:15	4	TAL EDI	MC
A:6010B	460-46532-A-7-D ^4		460-134442	460-134401	11/05/2012 14:33	4	TAL EDI	CDC
P:7471A	460-46532-A-7-A		460-134282	460-134233	11/02/2012 10:49	1	TAL EDI	RBS
A:7471A	460-46532-A-7-A		460-134282	460-134233	11/02/2012 13:50	1	TAL EDI	RBS
A:Moisture	460-46532-A-7		460-134130		11/01/2012 14:13	1	TAL EDI	CHA

Lab ID: 460-46532-7

Client ID: SO-17338-090612-MM-247

Sample Date/Time: 09/06/2012 14:00

Received Date/Time: 11/01/2012 11:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-46532-A-7-F MS ^4		460-134442	460-134401	11/05/2012 08:15	4	TAL EDI	MC
A:6010B	460-46532-A-7-F MS ^4		460-134442	460-134401	11/05/2012 14:40	4	TAL EDI	CDC
P:7471A	460-46532-A-7-C MS		460-134282	460-134233	11/02/2012 10:49	1	TAL EDI	RBS
A:7471A	460-46532-A-7-C MS		460-134282	460-134233	11/02/2012 13:54	1	TAL EDI	RBS
A:Moisture	460-46532-A-7 MS		460-134130		11/01/2012 14:13	1	TAL EDI	CHA

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Laboratory Chronicle

Lab ID: 460-46532-7

Client ID: SO-17338-090612-MM-247

Sample Date/Time: 09/06/2012 14:00

Received Date/Time: 11/01/2012 11:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-46532-A-7-E DU ^4		460-134442	460-134401	11/05/2012 08:15	4	TAL EDI	MC
A:6010B	460-46532-A-7-E DU ^4		460-134442	460-134401	11/05/2012 14:29	4	TAL EDI	CDC
P:7471A	460-46532-A-7-B DU		460-134282	460-134233	11/02/2012 10:49	1	TAL EDI	RBS
A:7471A	460-46532-A-7-B DU		460-134282	460-134233	11/02/2012 13:52	1	TAL EDI	RBS
A:Moisture	460-46532-A-7 DU		460-134130		11/01/2012 14:13	1	TAL EDI	CHA

Lab ID: 460-46532-7 SD

Client ID: SO-17338-090612-MM-247

Sample Date/Time: 09/06/2012 14:00

Received Date/Time: 11/01/2012 11:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-46532-A-7-D SD ^20		460-134442	460-134401	11/05/2012 08:15	20	TAL EDI	MC
A:6010B	460-46532-A-7-D SD ^20		460-134442	460-134401	11/05/2012 14:37	20	TAL EDI	CDC
P:3050B	460-46532-A-7-D PDS ^4		460-134442	460-134401	11/05/2012 08:15	4	TAL EDI	MC
A:6010B	460-46532-A-7-D PDS ^4		460-134442	460-134401	11/05/2012 14:44	4	TAL EDI	CDC
P:7471A	460-46532-A-7-A SD ^5		460-134282	460-134233	11/02/2012 10:49	5	TAL EDI	RBS
A:7471A	460-46532-A-7-A SD ^5		460-134282	460-134233	11/02/2012 13:56	5	TAL EDI	RBS

Lab ID: 460-46532-8

Client ID: SO-17338-090612-MM-251

Sample Date/Time: 09/06/2012 12:00

Received Date/Time: 11/01/2012 11:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-46532-A-8-B ^4		460-134442	460-134401	11/05/2012 08:15	4	TAL EDI	MC
A:6010B	460-46532-A-8-B ^4		460-134442	460-134401	11/05/2012 13:19	4	TAL EDI	CDC
P:7471A	460-46532-A-8-A		460-134303	460-134229	11/02/2012 10:32	1	TAL EDI	PHP
A:7471A	460-46532-A-8-A		460-134303	460-134229	11/02/2012 15:45	1	TAL EDI	PHP
A:Moisture	460-46532-A-8		460-134110		11/01/2012 14:10	1	TAL EDI	CHA

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Laboratory Chronicle

Lab ID: 460-46532-9

Client ID: SO-17338-090612-MM-253

Sample Date/Time: 09/06/2012 13:30

Received Date/Time: 11/01/2012 11:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-46532-A-9-B ^4		460-134442	460-134401	11/05/2012 08:15	4	TAL EDI	MC
A:6010B	460-46532-A-9-B ^4		460-134442	460-134401	11/05/2012 13:23	4	TAL EDI	CDC
P:7471A	460-46532-A-9-A		460-134303	460-134229	11/02/2012 10:32	1	TAL EDI	PHP
A:7471A	460-46532-A-9-A		460-134303	460-134229	11/02/2012 15:48	1	TAL EDI	PHP
A:Moisture	460-46532-A-9		460-134110		11/01/2012 14:10	1	TAL EDI	CHA

Lab ID: 460-46532-9 DU

Client ID: SO-17338-090612-MM-253

Sample Date/Time: 09/06/2012 13:30

Received Date/Time: 11/01/2012 11:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-46532-A-9 DU		460-134110		11/01/2012 14:10	1	TAL EDI	CHA

Lab ID: 460-46532-10

Client ID: SO-17338-090612-MM-255

Sample Date/Time: 09/06/2012 14:40

Received Date/Time: 11/01/2012 11:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-46532-A-10-B ^4		460-134442	460-134401	11/05/2012 08:15	4	TAL EDI	MC
A:6010B	460-46532-A-10-B ^4		460-134442	460-134401	11/05/2012 13:27	4	TAL EDI	CDC
P:7471A	460-46532-A-10-A		460-134303	460-134229	11/02/2012 12:18	1	TAL EDI	PHP
A:7471A	460-46532-A-10-A		460-134303	460-134229	11/02/2012 15:50	1	TAL EDI	PHP
A:Moisture	460-46532-A-10		460-134130		11/01/2012 14:13	1	TAL EDI	CHA

Lab ID: 460-46532-10 DU

Client ID: SO-17338-090612-MM-255

Sample Date/Time: 09/06/2012 14:40

Received Date/Time: 11/01/2012 11:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-46532-A-10 DU		460-134130		11/01/2012 14:13	1	TAL EDI	CHA

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	MB 460-134309/1-A ^2		460-134397	460-134309	11/02/2012 16:40	2	TAL EDI	ARC
A:6010B	MB 460-134309/1-A ^2		460-134397	460-134309	11/04/2012 18:42	2	TAL EDI	CDC
P:3050B	MB 460-134401/1-A ^2		460-134442	460-134401	11/05/2012 08:15	2	TAL EDI	MC
A:6010B	MB 460-134401/1-A ^2		460-134442	460-134401	11/05/2012 12:32	2	TAL EDI	CDC
P:7471A	MB 460-134233/1-A		460-134282	460-134233	11/02/2012 10:49	1	TAL EDI	RBS
A:7471A	MB 460-134233/1-A		460-134282	460-134233	11/02/2012 13:46	1	TAL EDI	RBS
P:7471A	MB 460-134229/1-A		460-134303	460-134229	11/02/2012 10:32	1	TAL EDI	PHP
A:7471A	MB 460-134229/1-A		460-134303	460-134229	11/02/2012 15:10	1	TAL EDI	PHP

Lab ID: LCSSRM

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	LCSSRM 460-134309/2-A ^4		460-134397	460-134309	11/02/2012 16:40	4	TAL EDI	ARC
A:6010B	LCSSRM 460-134309/2-A ^4		460-134397	460-134309	11/04/2012 18:31	4	TAL EDI	CDC
P:3050B	LCSSRM 460-134401/2-A ^4		460-134442	460-134401	11/05/2012 08:15	4	TAL EDI	MC
A:6010B	LCSSRM 460-134401/2-A ^4		460-134442	460-134401	11/05/2012 12:36	4	TAL EDI	CDC
P:7471A	LCSSRM 460-134233/2-A ^25		460-134282	460-134233	11/02/2012 10:49	25	TAL EDI	RBS
A:7471A	LCSSRM 460-134233/2-A ^25		460-134282	460-134233	11/02/2012 13:48	25	TAL EDI	RBS
P:7471A	LCSSRM 460-134229/2-A ^25		460-134303	460-134229	11/02/2012 10:32	25	TAL EDI	PHP
A:7471A	LCSSRM 460-134229/2-A ^25		460-134303	460-134229	11/02/2012 15:12	25	TAL EDI	PHP

Lab ID: MS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-46561-F-6-C MS ^4		460-134397	460-134309	11/02/2012 16:40	4	TAL EDI	ARC
A:6010B	460-46561-F-6-C MS ^4		460-134397	460-134309	11/04/2012 18:49	4	TAL EDI	CDC
P:7471A	460-46494-C-1-C MS		460-134303	460-134229	11/02/2012 10:32	1	TAL EDI	PHP
A:7471A	460-46494-C-1-C MS		460-134303	460-134229	11/02/2012 15:18	1	TAL EDI	PHP

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Laboratory Chronicle

Lab ID: MSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471A	460-46494-C-1-D MSD		460-134303	460-134229	11/02/2012 10:32	1	TAL EDI	PHP
A:7471A	460-46494-C-1-D MSD		460-134303	460-134229	11/02/2012 15:20	1	TAL EDI	PHP

Lab ID: DU

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-46561-F-6-B DU ^4		460-134397	460-134309	11/02/2012 16:40	4	TAL EDI	ARC
A:6010B	460-46561-F-6-B DU ^4		460-134397	460-134309	11/04/2012 18:24	4	TAL EDI	CDC
P:7471A	460-46494-C-1-B DU		460-134303	460-134229	11/02/2012 10:32	1	TAL EDI	PHP
A:7471A	460-46494-C-1-B DU		460-134303	460-134229	11/02/2012 15:17	1	TAL EDI	PHP

Lab ID: SD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-46561-F-6-A SD ^20		460-134397	460-134309	11/02/2012 16:40	20	TAL EDI	ARC
A:6010B	460-46561-F-6-A SD ^20		460-134397	460-134309	11/04/2012 18:45	20	TAL EDI	CDC
P:3050B	460-46561-F-6-A PDS ^4		460-134397	460-134309	11/02/2012 16:40	4	TAL EDI	ARC
A:6010B	460-46561-F-6-A PDS ^4		460-134397	460-134309	11/04/2012 18:53	4	TAL EDI	CDC
P:7471A	460-46494-C-1-A SD ^5		460-134303	460-134229	11/02/2012 10:32	5	TAL EDI	PHP
A:7471A	460-46494-C-1-A SD ^5		460-134303	460-134229	11/02/2012 15:53	5	TAL EDI	PHP

Lab References:

TAL EDI = TestAmerica Edison

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-46532-1
SDG No.: _____
Project: Former GM Wilmington

Client Sample ID	Lab Sample ID
<u>SO-17338-082912-MM-223</u>	<u>460-46532-1</u>
<u>SO-17338-082912-MM-225</u>	<u>460-46532-2</u>
<u>SO-17338-082912-MM-227</u>	<u>460-46532-3</u>
<u>SO-17338-083012-MM-235</u>	<u>460-46532-4</u>
<u>SO-17338-083012-MM-236</u>	<u>460-46532-5</u>
<u>SO-17338-090612-MM-243</u>	<u>460-46532-6</u>
<u>SO-17338-090612-MM-247</u>	<u>460-46532-7</u>
<u>SO-17338-090612-MM-251</u>	<u>460-46532-8</u>
<u>SO-17338-090612-MM-253</u>	<u>460-46532-9</u>
<u>SO-17338-090612-MM-255</u>	<u>460-46532-10</u>

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SO-17338-082912-MM-223

Lab Sample ID: 460-46532-1

Lab Name: TestAmerica Edison

Job No.: 460-46532-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/29/2012 11:20

Reporting Basis: DRY

Date Received: 11/01/2012 11:15

% Solids: 78.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10800	51.2	23.3	mg/Kg			4	6010B
7440-36-0	Antimony	1.6	2.6	1.6	mg/Kg	U		4	6010B
7440-38-2	Arsenic	2.5	1.3	1.2	mg/Kg			4	6010B
7440-39-3	Barium	301	51.2	1.5	mg/Kg			4	6010B
7440-41-7	Beryllium	1.4	0.51	0.18	mg/Kg			4	6010B
7440-43-9	Cadmium	0.24	1.3	0.19	mg/Kg	J		4	6010B
7440-70-2	Calcium	656	1280	90.6	mg/Kg	J		4	6010B
7440-47-3	Chromium	41.2	2.6	1.1	mg/Kg			4	6010B
7440-48-4	Cobalt	4.8	12.8	1.1	mg/Kg	J		4	6010B
7440-50-8	Copper	11.8	6.4	2.5	mg/Kg			4	6010B
7439-89-6	Iron	5880	38.4	15.5	mg/Kg			4	6010B
7439-92-1	Lead	32.1	1.3	1.1	mg/Kg			4	6010B
7439-95-4	Magnesium	1770	1280	92.1	mg/Kg			4	6010B
7439-96-5	Manganese	49.7	3.8	1.1	mg/Kg			4	6010B
7440-02-0	Nickel	10.2	10.2	1.1	mg/Kg			4	6010B
7440-09-7	Potassium	441	1280	137	mg/Kg	J		4	6010B
7782-49-2	Selenium	1.7	2.6	1.7	mg/Kg	U		4	6010B
7440-22-4	Silver	0.26	2.6	0.26	mg/Kg	U		4	6010B
7440-23-5	Sodium	274	1280	202	mg/Kg	J		4	6010B
7440-28-0	Thallium	1.4	2.6	1.4	mg/Kg	U		4	6010B
7440-62-2	Vanadium	18.8	12.8	0.98	mg/Kg			4	6010B
7440-66-6	Zinc	39.7	7.7	1.4	mg/Kg			4	6010B
7439-97-6	Mercury	0.029	0.042	0.028	mg/Kg	J	H	1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SO-17338-082912-MM-225

Lab Sample ID: 460-46532-2

Lab Name: TestAmerica Edison

Job No.: 460-46532-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/29/2012 12:05

Reporting Basis: DRY

Date Received: 11/01/2012 11:15

% Solids: 88.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	11200	44.5	20.2	mg/Kg			4	6010B
7440-36-0	Antimony	1.4	2.2	1.4	mg/Kg	U		4	6010B
7440-38-2	Arsenic	4.1	1.1	1.0	mg/Kg			4	6010B
7440-39-3	Barium	54.9	44.5	1.3	mg/Kg			4	6010B
7440-41-7	Beryllium	0.36	0.44	0.16	mg/Kg	J		4	6010B
7440-43-9	Cadmium	0.16	1.1	0.16	mg/Kg	U		4	6010B
7440-70-2	Calcium	380	1110	78.8	mg/Kg	J		4	6010B
7440-47-3	Chromium	19.9	2.2	0.96	mg/Kg			4	6010B
7440-48-4	Cobalt	3.3	11.1	0.95	mg/Kg	J		4	6010B
7440-50-8	Copper	4.9	5.6	2.2	mg/Kg	J		4	6010B
7439-89-6	Iron	15900	33.4	13.5	mg/Kg			4	6010B
7439-92-1	Lead	10.9	1.1	0.96	mg/Kg			4	6010B
7439-95-4	Magnesium	1190	1110	80.1	mg/Kg			4	6010B
7439-96-5	Manganese	59.9	3.3	0.98	mg/Kg			4	6010B
7440-02-0	Nickel	6.3	8.9	0.98	mg/Kg	J		4	6010B
7440-09-7	Potassium	316	1110	119	mg/Kg	J		4	6010B
7782-49-2	Selenium	1.5	2.2	1.5	mg/Kg	U		4	6010B
7440-22-4	Silver	0.22	2.2	0.22	mg/Kg	U		4	6010B
7440-23-5	Sodium	462	1110	176	mg/Kg	J		4	6010B
7440-28-0	Thallium	1.3	2.2	1.3	mg/Kg	U		4	6010B
7440-62-2	Vanadium	31.1	11.1	0.85	mg/Kg			4	6010B
7440-66-6	Zinc	19.3	6.7	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.024	0.036	0.024	mg/Kg	U	H	1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SO-17338-082912-MM-227

Lab Sample ID: 460-46532-3

Lab Name: TestAmerica Edison

Job No.: 460-46532-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/29/2012 14:15

Reporting Basis: DRY

Date Received: 11/01/2012 11:15

% Solids: 83.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	16600	46.5	21.2	mg/Kg			4	6010B
7440-36-0	Antimony	1.7	2.3	1.4	mg/Kg	J		4	6010B
7440-38-2	Arsenic	5.3	1.2	1.1	mg/Kg			4	6010B
7440-39-3	Barium	58.4	46.5	1.3	mg/Kg			4	6010B
7440-41-7	Beryllium	0.58	0.46	0.17	mg/Kg			4	6010B
7440-43-9	Cadmium	0.45	1.2	0.17	mg/Kg	J		4	6010B
7440-70-2	Calcium	354	1160	82.3	mg/Kg	J		4	6010B
7440-47-3	Chromium	27.5	2.3	1.0	mg/Kg			4	6010B
7440-48-4	Cobalt	4.5	11.6	0.99	mg/Kg	J		4	6010B
7440-50-8	Copper	8.3	5.8	2.3	mg/Kg			4	6010B
7439-89-6	Iron	22700	34.9	14.1	mg/Kg			4	6010B
7439-92-1	Lead	10.8	1.2	1.0	mg/Kg			4	6010B
7439-95-4	Magnesium	1900	1160	83.7	mg/Kg			4	6010B
7439-96-5	Manganese	85.5	3.5	1.0	mg/Kg			4	6010B
7440-02-0	Nickel	9.9	9.3	1.0	mg/Kg			4	6010B
7440-09-7	Potassium	549	1160	124	mg/Kg	J		4	6010B
7782-49-2	Selenium	1.5	2.3	1.5	mg/Kg	U		4	6010B
7440-22-4	Silver	0.23	2.3	0.23	mg/Kg	U		4	6010B
7440-23-5	Sodium	184	1160	184	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.3	2.3	1.3	mg/Kg	U		4	6010B
7440-62-2	Vanadium	38.7	11.6	0.89	mg/Kg			4	6010B
7440-66-6	Zinc	27.8	7.0	1.3	mg/Kg			4	6010B
7439-97-6	Mercury	0.025	0.038	0.025	mg/Kg	U	H	1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SO-17338-083012-MM-235

Lab Sample ID: 460-46532-4

Lab Name: TestAmerica Edison

Job No.: 460-46532-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/30/2012 12:10

Reporting Basis: DRY

Date Received: 11/01/2012 11:15

% Solids: 81.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	15800	47.8	21.7	mg/Kg			4	6010B
7440-36-0	Antimony	1.5	2.4	1.5	mg/Kg	U		4	6010B
7440-38-2	Arsenic	2.8	1.2	1.1	mg/Kg			4	6010B
7440-39-3	Barium	83.0	47.8	1.4	mg/Kg			4	6010B
7440-41-7	Beryllium	0.39	0.48	0.17	mg/Kg	J		4	6010B
7440-43-9	Cadmium	0.40	1.2	0.18	mg/Kg	J		4	6010B
7440-70-2	Calcium	520	1190	84.6	mg/Kg	J		4	6010B
7440-47-3	Chromium	24.3	2.4	1.0	mg/Kg			4	6010B
7440-48-4	Cobalt	2.4	11.9	1.0	mg/Kg	J		4	6010B
7440-50-8	Copper	9.3	6.0	2.3	mg/Kg			4	6010B
7439-89-6	Iron	16000	35.8	14.5	mg/Kg			4	6010B
7439-92-1	Lead	25.6	1.2	1.0	mg/Kg			4	6010B
7439-95-4	Magnesium	987	1190	86.0	mg/Kg	J		4	6010B
7439-96-5	Manganese	39.5	3.6	1.1	mg/Kg			4	6010B
7440-02-0	Nickel	5.3	9.6	1.1	mg/Kg	J		4	6010B
7440-09-7	Potassium	593	1190	128	mg/Kg	J		4	6010B
7782-49-2	Selenium	1.6	2.4	1.6	mg/Kg	U		4	6010B
7440-22-4	Silver	0.24	2.4	0.24	mg/Kg	U		4	6010B
7440-23-5	Sodium	314	1190	189	mg/Kg	J		4	6010B
7440-28-0	Thallium	1.3	2.4	1.3	mg/Kg	U		4	6010B
7440-62-2	Vanadium	36.1	11.9	0.92	mg/Kg			4	6010B
7440-66-6	Zinc	28.4	7.2	1.3	mg/Kg			4	6010B
7439-97-6	Mercury	0.040	0.041	0.027	mg/Kg	J	H	1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SO-17338-083012-MM-236

Lab Sample ID: 460-46532-5

Lab Name: TestAmerica Edison

Job No.: 460-46532-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/30/2012 12:25

Reporting Basis: DRY

Date Received: 11/01/2012 11:15

% Solids: 80.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14500	46.3	21.0	mg/Kg			4	6010B
7440-36-0	Antimony	1.4	2.3	1.4	mg/Kg	U		4	6010B
7440-38-2	Arsenic	2.9	1.2	1.1	mg/Kg			4	6010B
7440-39-3	Barium	74.2	46.3	1.3	mg/Kg			4	6010B
7440-41-7	Beryllium	0.39	0.46	0.17	mg/Kg	J		4	6010B
7440-43-9	Cadmium	0.24	1.2	0.17	mg/Kg	J		4	6010B
7440-70-2	Calcium	438	1160	81.9	mg/Kg	J		4	6010B
7440-47-3	Chromium	25.7	2.3	0.99	mg/Kg			4	6010B
7440-48-4	Cobalt	2.5	11.6	0.99	mg/Kg	J		4	6010B
7440-50-8	Copper	8.5	5.8	2.2	mg/Kg			4	6010B
7439-89-6	Iron	11100	34.7	14.0	mg/Kg			4	6010B
7439-92-1	Lead	32.5	1.2	0.99	mg/Kg			4	6010B
7439-95-4	Magnesium	1220	1160	83.3	mg/Kg			4	6010B
7439-96-5	Manganese	44.2	3.5	1.0	mg/Kg			4	6010B
7440-02-0	Nickel	6.4	9.3	1.0	mg/Kg	J		4	6010B
7440-09-7	Potassium	704	1160	124	mg/Kg	J		4	6010B
7782-49-2	Selenium	1.5	2.3	1.5	mg/Kg	U		4	6010B
7440-22-4	Silver	0.23	2.3	0.23	mg/Kg	U		4	6010B
7440-23-5	Sodium	285	1160	183	mg/Kg	J		4	6010B
7440-28-0	Thallium	1.3	2.3	1.3	mg/Kg	U		4	6010B
7440-62-2	Vanadium	30.9	11.6	0.89	mg/Kg			4	6010B
7440-66-6	Zinc	25.5	6.9	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.027	0.040	0.026	mg/Kg	J	H	1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SO-17338-090612-MM-243

Lab Sample ID: 460-46532-6

Lab Name: TestAmerica Edison

Job No.: 460-46532-1

SDG ID.:

Matrix: Solid

Date Sampled: 09/06/2012 11:30

Reporting Basis: DRY

Date Received: 11/01/2012 11:15

% Solids: 80.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	17100	45.1	20.5	mg/Kg			4	6010B
7440-36-0	Antimony	1.4	2.3	1.4	mg/Kg	U		4	6010B
7440-38-2	Arsenic	1.6	1.1	1.1	mg/Kg			4	6010B
7440-39-3	Barium	104	45.1	1.3	mg/Kg			4	6010B
7440-41-7	Beryllium	0.45	0.45	0.16	mg/Kg			4	6010B
7440-43-9	Cadmium	0.34	1.1	0.17	mg/Kg	J		4	6010B
7440-70-2	Calcium	531	1130	79.9	mg/Kg	J		4	6010B
7440-47-3	Chromium	29.1	2.3	0.97	mg/Kg			4	6010B
7440-48-4	Cobalt	2.7	11.3	0.96	mg/Kg	J		4	6010B
7440-50-8	Copper	7.0	5.6	2.2	mg/Kg			4	6010B
7439-89-6	Iron	15100	33.8	13.6	mg/Kg			4	6010B
7439-92-1	Lead	13.6	1.1	0.97	mg/Kg			4	6010B
7439-95-4	Magnesium	1620	1130	81.2	mg/Kg			4	6010B
7439-96-5	Manganese	41.4	3.4	0.99	mg/Kg			4	6010B
7440-02-0	Nickel	7.4	9.0	0.99	mg/Kg	J		4	6010B
7440-09-7	Potassium	681	1130	121	mg/Kg	J		4	6010B
7782-49-2	Selenium	1.5	2.3	1.5	mg/Kg	U		4	6010B
7440-22-4	Silver	0.23	2.3	0.23	mg/Kg	U		4	6010B
7440-23-5	Sodium	178	1130	178	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.3	2.3	1.3	mg/Kg	U		4	6010B
7440-62-2	Vanadium	25.7	11.3	0.87	mg/Kg			4	6010B
7440-66-6	Zinc	24.1	6.8	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.031	0.040	0.026	mg/Kg	J	H	1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SO-17338-090612-MM-247

Lab Sample ID: 460-46532-7

Lab Name: TestAmerica Edison

Job No.: 460-46532-1

SDG ID.:

Matrix: Solid

Date Sampled: 09/06/2012 14:00

Reporting Basis: DRY

Date Received: 11/01/2012 11:15

% Solids: 78.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7270	49.7	22.6	mg/Kg			4	6010B
7440-36-0	Antimony	1.5	2.5	1.5	mg/Kg	U		4	6010B
7440-38-2	Arsenic	1.9	1.2	1.2	mg/Kg			4	6010B
7440-39-3	Barium	105	49.7	1.4	mg/Kg			4	6010B
7440-41-7	Beryllium	0.19	0.50	0.18	mg/Kg	J		4	6010B
7440-43-9	Cadmium	0.18	1.2	0.18	mg/Kg	U		4	6010B
7440-70-2	Calcium	426	1240	88.0	mg/Kg	J		4	6010B
7440-47-3	Chromium	11.2	2.5	1.1	mg/Kg			4	6010B
7440-48-4	Cobalt	1.5	12.4	1.1	mg/Kg	J		4	6010B
7440-50-8	Copper	2.9	6.2	2.4	mg/Kg	J		4	6010B
7439-89-6	Iron	7470	37.3	15.0	mg/Kg			4	6010B
7439-92-1	Lead	16.4	1.2	1.1	mg/Kg			4	6010B
7439-95-4	Magnesium	497	1240	89.5	mg/Kg	J		4	6010B
7439-96-5	Manganese	23.6	3.7	1.1	mg/Kg			4	6010B
7440-02-0	Nickel	3.1	9.9	1.1	mg/Kg	J		4	6010B
7440-09-7	Potassium	269	1240	133	mg/Kg	J		4	6010B
7782-49-2	Selenium	1.6	2.5	1.6	mg/Kg	U		4	6010B
7440-22-4	Silver	0.25	2.5	0.25	mg/Kg	U		4	6010B
7440-23-5	Sodium	196	1240	196	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.4	2.5	1.4	mg/Kg	U		4	6010B
7440-62-2	Vanadium	17.9	12.4	0.95	mg/Kg			4	6010B
7440-66-6	Zinc	12.7	7.5	1.3	mg/Kg			4	6010B
7439-97-6	Mercury	0.028	0.042	0.028	mg/Kg	U	H	1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SO-17338-090612-MM-251

Lab Sample ID: 460-46532-8

Lab Name: TestAmerica Edison

Job No.: 460-46532-1

SDG ID.:

Matrix: Solid

Date Sampled: 09/06/2012 12:00

Reporting Basis: DRY

Date Received: 11/01/2012 11:15

% Solids: 84.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	11900	44.2	20.1	mg/Kg			4	6010B
7440-36-0	Antimony	1.4	2.2	1.4	mg/Kg	U		4	6010B
7440-38-2	Arsenic	3.0	1.1	1.0	mg/Kg			4	6010B
7440-39-3	Barium	154	44.2	1.3	mg/Kg			4	6010B
7440-41-7	Beryllium	0.59	0.44	0.16	mg/Kg			4	6010B
7440-43-9	Cadmium	0.24	1.1	0.16	mg/Kg	J		4	6010B
7440-70-2	Calcium	690	1100	78.2	mg/Kg	J		4	6010B
7440-47-3	Chromium	13.2	2.2	0.95	mg/Kg			4	6010B
7440-48-4	Cobalt	4.2	11.0	0.94	mg/Kg	J		4	6010B
7440-50-8	Copper	6.5	5.5	2.1	mg/Kg			4	6010B
7439-89-6	Iron	11800	33.1	13.4	mg/Kg			4	6010B
7439-92-1	Lead	17.0	1.1	0.95	mg/Kg			4	6010B
7439-95-4	Magnesium	827	1100	79.5	mg/Kg	J		4	6010B
7439-96-5	Manganese	111	3.3	0.97	mg/Kg			4	6010B
7440-02-0	Nickel	8.6	8.8	0.97	mg/Kg	J		4	6010B
7440-09-7	Potassium	438	1100	118	mg/Kg	J		4	6010B
7782-49-2	Selenium	1.5	2.2	1.5	mg/Kg	U		4	6010B
7440-22-4	Silver	0.22	2.2	0.22	mg/Kg	U		4	6010B
7440-23-5	Sodium	356	1100	175	mg/Kg	J		4	6010B
7440-28-0	Thallium	1.2	2.2	1.2	mg/Kg	U		4	6010B
7440-62-2	Vanadium	20.9	11.0	0.85	mg/Kg			4	6010B
7440-66-6	Zinc	27.0	6.6	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.046	0.038	0.026	mg/Kg		H	1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SO-17338-090612-MM-253

Lab Sample ID: 460-46532-9

Lab Name: TestAmerica Edison

Job No.: 460-46532-1

SDG ID.:

Matrix: Solid

Date Sampled: 09/06/2012 13:30

Reporting Basis: DRY

Date Received: 11/01/2012 11:15

% Solids: 75.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	19600	48.9	22.3	mg/Kg			4	6010B
7440-36-0	Antimony	1.5	2.4	1.5	mg/Kg	J		4	6010B
7440-38-2	Arsenic	7.2	1.2	1.1	mg/Kg			4	6010B
7440-39-3	Barium	87.7	48.9	1.4	mg/Kg			4	6010B
7440-41-7	Beryllium	0.44	0.49	0.18	mg/Kg	J		4	6010B
7440-43-9	Cadmium	0.81	1.2	0.18	mg/Kg	J		4	6010B
7440-70-2	Calcium	1080	1220	86.6	mg/Kg	J		4	6010B
7440-47-3	Chromium	31.6	2.4	1.1	mg/Kg			4	6010B
7440-48-4	Cobalt	1.8	12.2	1.0	mg/Kg	J		4	6010B
7440-50-8	Copper	8.6	6.1	2.4	mg/Kg			4	6010B
7439-89-6	Iron	37700	36.7	14.8	mg/Kg			4	6010B
7439-92-1	Lead	9.9	1.2	1.1	mg/Kg			4	6010B
7439-95-4	Magnesium	1080	1220	88.1	mg/Kg	J		4	6010B
7439-96-5	Manganese	27.3	3.7	1.1	mg/Kg			4	6010B
7440-02-0	Nickel	4.7	9.8	1.1	mg/Kg	J		4	6010B
7440-09-7	Potassium	523	1220	131	mg/Kg	J		4	6010B
7782-49-2	Selenium	1.6	2.4	1.6	mg/Kg	U		4	6010B
7440-22-4	Silver	0.24	2.4	0.24	mg/Kg	U		4	6010B
7440-23-5	Sodium	210	1220	193	mg/Kg	J		4	6010B
7440-28-0	Thallium	1.4	2.4	1.4	mg/Kg	U		4	6010B
7440-62-2	Vanadium	52.5	12.2	0.94	mg/Kg			4	6010B
7440-66-6	Zinc	19.0	7.3	1.3	mg/Kg			4	6010B
7439-97-6	Mercury	0.038	0.043	0.029	mg/Kg	J	H	1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SO-17338-090612-MM-255

Lab Sample ID: 460-46532-10

Lab Name: TestAmerica Edison

Job No.: 460-46532-1

SDG ID.:

Matrix: Solid

Date Sampled: 09/06/2012 14:40

Reporting Basis: DRY

Date Received: 11/01/2012 11:15

% Solids: 91.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7760	41.2	18.7	mg/Kg			4	6010B
7440-36-0	Antimony	1.3	2.1	1.3	mg/Kg	U		4	6010B
7440-38-2	Arsenic	4.8	1.0	0.97	mg/Kg			4	6010B
7440-39-3	Barium	180	41.2	1.2	mg/Kg			4	6010B
7440-41-7	Beryllium	0.39	0.41	0.15	mg/Kg	J		4	6010B
7440-43-9	Cadmium	0.61	1.0	0.15	mg/Kg	J		4	6010B
7440-70-2	Calcium	12800	1030	72.9	mg/Kg			4	6010B
7440-47-3	Chromium	14.0	2.1	0.88	mg/Kg			4	6010B
7440-48-4	Cobalt	5.2	10.3	0.88	mg/Kg	J		4	6010B
7440-50-8	Copper	8.5	5.1	2.0	mg/Kg			4	6010B
7439-89-6	Iron	13900	30.9	12.5	mg/Kg			4	6010B
7439-92-1	Lead	97.8	1.0	0.88	mg/Kg			4	6010B
7439-95-4	Magnesium	4000	1030	74.1	mg/Kg			4	6010B
7439-96-5	Manganese	284	3.1	0.91	mg/Kg			4	6010B
7440-02-0	Nickel	7.3	8.2	0.91	mg/Kg	J		4	6010B
7440-09-7	Potassium	1330	1030	110	mg/Kg			4	6010B
7782-49-2	Selenium	1.4	2.1	1.4	mg/Kg	U		4	6010B
7440-22-4	Silver	0.21	2.1	0.21	mg/Kg	U		4	6010B
7440-23-5	Sodium	238	1030	163	mg/Kg	J		4	6010B
7440-28-0	Thallium	1.2	2.1	1.2	mg/Kg	U		4	6010B
7440-62-2	Vanadium	22.4	10.3	0.79	mg/Kg			4	6010B
7440-66-6	Zinc	45.3	6.2	1.1	mg/Kg			4	6010B
7439-97-6	Mercury	0.046	0.035	0.024	mg/Kg		H	1	7471A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00062 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00062

Analyte	ICV 460-134397/7 11/04/2012 15:36				CCV 460-134397/43 11/04/2012 17:50				CCV 460-134397/55 11/04/2012 18:34			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	124700		125000	100	122700		125000	98	126100		125000	101
Antimony	985.0		1000	99	991.2		1000	99	1006		1000	101
Arsenic	2475		2500	99	2489		2500	100	2519		2500	101
Barium	10100		10000	101	10090		10000	101	10290		10000	103
Beryllium	1001		1000	100	982.4		1000	98	1003		1000	100
Cadmium	1258		1250	101	1255		1250	100	1285		1250	103
Calcium	129300		125000	103	127000		125000	102	130500		125000	104
Chromium	5061		5000	101	5001		5000	100	5135		5000	103
Cobalt	2517		2500	101	2513		2500	101	2567		2500	103
Copper	12470		12500	100	12270		12500	98	12500		12500	100
Iron	100900		100000	101	99070		100000	99	101900		100000	102
Lead	7667		7500	102	7614		7500	102	7807		7500	104
Magnesium	125900		125000	101	122800		125000	98	127400		125000	102
Manganese	5112		5000	102	5040		5000	101	5175		5000	104
Nickel	2546		2500	102	2538		2500	102	2595		2500	104
Potassium	49840		50000	100	49850		50000	100	51140		50000	102
Selenium	2439		2500	98	2484		2500	99	2497		2500	100
Silver	1229		1250	98	1227		1250	98	1248		1250	100
Sodium	126000		125000	101	125400		125000	100	128700		125000	103
Thallium	2539		2500	102	2527		2500	101	2575		2500	103
Vanadium	2502		2500	100	2491		2500	100	2543		2500	102
Zinc	2515		2500	101	2479		2500	99	2564		2500	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00062 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00062

Analyte	CCV 460-134397/67 11/04/2012 19:18				CCV 460-134397/79 11/04/2012 20:02				CCV 460-134397/91 11/04/2012 20:46			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	126100		125000	101	126800		125000	101	126700		125000	101
Antimony	1006		1000	101	1005		1000	101	1007		1000	101
Arsenic	2526		2500	101	2516		2500	101	2527		2500	101
Barium	10300		10000	103	10310		10000	103	10320		10000	103
Beryllium	1002		1000	100	1002		1000	100	1003		1000	100
Cadmium	1290		1250	103	1293		1250	103	1290		1250	103
Calcium	130500		125000	104	131300		125000	105	131000		125000	105
Chromium	5143		5000	103	5170		5000	103	5143		5000	103
Cobalt	2574		2500	103	2574		2500	103	2574		2500	103
Copper	12530		12500	100	12560		12500	100	12530		12500	100
Iron	102300		100000	102	103100		100000	103	102300		100000	102
Lead	7831		7500	104	7852		7500	105	7827		7500	104
Magnesium	127600		125000	102	128700		125000	103	127300		125000	102
Manganese	5190		5000	104	5219		5000	104	5186		5000	104
Nickel	2588		2500	104	2591		2500	104	2596		2500	104
Potassium	51300		50000	103	51690		50000	103	51730		50000	103
Selenium	2516		2500	101	2499		2500	100	2510		2500	100
Silver	1251		1250	100	1257		1250	101	1254		1250	100
Sodium	128800		125000	103	129600		125000	104	129600		125000	104
Thallium	2588		2500	104	2595		2500	104	2585		2500	103
Vanadium	2552		2500	102	2558		2500	102	2551		2500	102
Zinc	2562		2500	102	2572		2500	103	2563		2500	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00062 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00062

Analyte	ICV 460-134442/7 11/05/2012 10:24				CCV 460-134442/30 11/05/2012 12:25				CCV 460-134442/42 11/05/2012 13:08			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	123700		125000	99	124400		125000	100	123500		125000	99
Antimony	991.4		1000	99	1025		1000	103	1005		1000	101
Arsenic	2486		2500	99	2523		2500	101	2485		2500	99
Barium	10200		10000	102	10200		10000	102	10100		10000	101
Beryllium	991.8		1000	99	972.3		1000	97	970.9		1000	97
Cadmium	1269		1250	102	1253		1250	100	1234		1250	99
Calcium	128300		125000	103	130700		125000	105	128900		125000	103
Chromium	5057		5000	101	4760		5000	95	4843		5000	97
Cobalt	2538		2500	102	2537		2500	101	2503		2500	100
Copper	12310		12500	98	12540		12500	100	12370		12500	99
Iron	101100		100000	101	95870		100000	96	96240		100000	96
Lead	7716		7500	103	7549		7500	101	7470		7500	100
Magnesium	125500		125000	100	115700		125000	93	117500		125000	94
Manganese	5123		5000	102	4892		5000	98	4922		5000	98
Nickel	2554		2500	102	2516		2500	101	2513		2500	101
Potassium	49390		50000	99	50030		50000	100	49600		50000	99
Selenium	2470		2500	99	2516		2500	101	2485		2500	99
Silver	1229		1250	98	1202		1250	96	1202		1250	96
Sodium	125400		125000	100	126400		125000	101	126500		125000	101
Thallium	2565		2500	103	2559		2500	102	2502		2500	100
Vanadium	2510		2500	100	2423		2500	97	2438		2500	98
Zinc	2526		2500	101	2384		2500	95	2380		2500	95

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00062 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00062

Analyte	CCV 460-134442/49 11/05/2012 13:34				CCV 460-134442/51 11/05/2012 14:22				CCV 460-134442/58 11/05/2012 14:47			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	121300		125000	97	123100		125000	98	121800		125000	97
Antimony	1005		1000	101	1005		1000	101	1011		1000	101
Arsenic	2489		2500	100	2483		2500	99	2477		2500	99
Barium	10110		10000	101	10130		10000	101	10130		10000	101
Beryllium	952.7		1000	95	960.7		1000	96	956.1		1000	96
Cadmium	1239		1250	99	1249		1250	100	1245		1250	100
Calcium	126700		125000	101	129400		125000	104	127400		125000	102
Chromium	4845		5000	97	4752		5000	95	4834		5000	97
Cobalt	2511		2500	100	2519		2500	101	2515		2500	101
Copper	12140		12500	97	12360		12500	99	12170		12500	97
Iron	96140		100000	96	95730		100000	96	96000		100000	96
Lead	7489		7500	100	7529		7500	100	7533		7500	100
Magnesium	117500		125000	94	116500		125000	93	117700		125000	94
Manganese	4923		5000	98	4877		5000	98	4904		5000	98
Nickel	2526		2500	101	2501		2500	100	2524		2500	101
Potassium	48920		50000	98	49650		50000	99	49250		50000	99
Selenium	2474		2500	99	2468		2500	99	2471		2500	99
Silver	1201		1250	96	1183		1250	95	1194		1250	96
Sodium	126100		125000	101	126600		125000	101	125400		125000	100
Thallium	2504		2500	100	2519		2500	101	2519		2500	101
Vanadium	2440		2500	98	2398		2500	96	2427		2500	97
Zinc	2391		2500	96	2396		2500	96	2410		2500	96

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00674 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00674

Analyte	ICV 460-134208/31-A 11/02/2012 12:42				CCV 460-134208/32-A 11/02/2012 13:43				CCV 460-134208/32-A 11/02/2012 13:57			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	856.7		833	103	883.3		833	106	896.7		833	108

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00674 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00674

Analyte	ICV 460-134226/31-A 11/02/2012 13:48				CCV 460-134226/32-A 11/02/2012 15:06				CCV 460-134226/32-A 11/02/2012 15:31			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	898.3		833	108	891.7		833	107	890.0		833	107

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00674 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00674

Analyte	CCV 460-134226/32-A 11/02/2012 15:56											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	890.0		833	107								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1
SDG No.: _____
Concentration Units: ug/L

Analyte	RL	ICB 460-134397/8 11/04/2012 15:40		CCB 460-134397/44 11/04/2012 17:53		CCB 460-134397/56 11/04/2012 18:38		CCB 460-134397/68 11/04/2012 19:22	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	72.1	U	72.1	U	72.1	U	72.1	U
Antimony	10.0	7.4	U	7.4	U	7.4	U	7.4	U
Arsenic	5.0	3.7	U	3.7	U	3.7	U	3.7	U
Barium	200	5.9	U	5.9	U	5.9	U	5.9	U
Beryllium	2.0	0.78	U	0.78	U	0.78	U	0.78	U
Cadmium	5.0	0.82	U	0.82	U	0.82	U	0.82	U
Calcium	5000	305	U	305	U	305	U	305	U
Chromium	10.0	4.5	U	4.5	U	4.5	U	4.5	U
Cobalt	50.0	4.3	U	4.3	U	4.3	U	4.3	U
Copper	25.0	7.8	U	7.8	U	7.8	U	7.8	U
Iron	150	73.6	U	73.6	U	73.6	U	73.6	U
Lead	5.0	4.0	U	4.0	U	4.0	U	4.0	U
Magnesium	5000	321	U	321	U	321	U	321	U
Manganese	15.0	4.3	U	4.3	U	4.3	U	4.3	U
Nickel	40.0	5.0	U	5.0	U	5.0	U	5.0	U
Potassium	5000	525	U	525	U	525	U	525	U
Selenium	10.0	5.8	U	5.8	U	5.8	U	5.8	U
Silver	10.0	1.3	U	1.3	U	1.3	U	1.3	U
Sodium	5000	821	U	821	U	821	U	821	U
Thallium	10.0	5.2	U	5.2	U	5.2	U	5.2	U
Vanadium	50.0	4.0	U	4.0	U	4.0	U	4.0	U
Zinc	30.0	5.8	U	5.8	U	5.8	U	5.8	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 460-134397/80 11/04/2012 20:06		CCB 460-134397/92 11/04/2012 20:49					
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	72.1	U	72.1	U				
Antimony	10.0	7.4	U	7.4	U				
Arsenic	5.0	3.7	U	3.7	U				
Barium	200	5.9	U	5.9	U				
Beryllium	2.0	0.78	U	0.78	U				
Cadmium	5.0	0.82	U	0.82	U				
Calcium	5000	305	U	305	U				
Chromium	10.0	4.5	U	4.5	U				
Cobalt	50.0	4.3	U	4.3	U				
Copper	25.0	7.8	U	7.8	U				
Iron	150	73.6	U	73.6	U				
Lead	5.0	4.0	U	4.0	U				
Magnesium	5000	321	U	321	U				
Manganese	15.0	4.3	U	4.3	U				
Nickel	40.0	5.0	U	5.0	U				
Potassium	5000	525	U	525	U				
Selenium	10.0	5.8	U	5.8	U				
Silver	10.0	1.3	U	1.3	U				
Sodium	5000	821	U	821	U				
Thallium	10.0	5.2	U	5.2	U				
Vanadium	50.0	4.0	U	4.0	U				
Zinc	30.0	5.8	U	5.8	U				

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-134442/8 11/05/2012 10:28		CCB 460-134442/31 11/05/2012 12:28		CCB 460-134442/43 11/05/2012 13:12		CCB 460-134442/50 11/05/2012 13:38	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	72.1	U	72.1	U	72.1	U	72.1	U
Antimony	10.0	7.4	U	7.4	U	7.4	U	7.4	U
Arsenic	5.0	3.7	U	3.7	U	3.7	U	3.7	U
Barium	200	5.9	U	5.9	U	5.9	U	5.9	U
Beryllium	2.0	0.78	U	0.78	U	0.78	U	0.78	U
Cadmium	5.0	0.82	U	0.82	U	0.82	U	0.82	U
Calcium	5000	305	U	305	U	305	U	305	U
Chromium	10.0	4.5	U	4.5	U	4.5	U	4.5	U
Cobalt	50.0	4.3	U	4.3	U	4.3	U	4.3	U
Copper	25.0	7.8	U	7.8	U	7.8	U	7.8	U
Iron	150	73.6	U	73.6	U	73.6	U	73.6	U
Lead	5.0	4.0	U	4.0	U	4.0	U	4.0	U
Magnesium	5000	321	U	321	U	321	U	321	U
Manganese	15.0	4.3	U	4.3	U	4.3	U	4.3	U
Nickel	40.0	5.0	U	5.0	U	5.0	U	5.0	U
Potassium	5000	525	U	525	U	525	U	525	U
Selenium	10.0	5.8	U	5.8	U	5.8	U	5.8	U
Silver	10.0	1.3	U	1.3	U	1.3	U	1.3	U
Sodium	5000	821	U	821	U	821	U	821	U
Thallium	10.0	5.2	U	5.2	U	5.2	U	5.2	U
Vanadium	50.0	4.0	U	4.0	U	4.0	U	4.0	U
Zinc	30.0	5.8	U	5.8	U	5.8	U	5.8	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1
 SDG No.: _____
 Concentration Units: ug/L

Analyte	RL	CCB 460-134442/52 11/05/2012 14:26		CCB 460-134442/59 11/05/2012 14:51					
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	72.1	U	72.1	U				
Antimony	10.0	7.4	U	7.4	U				
Arsenic	5.0	3.7	U	3.7	U				
Barium	200	5.9	U	5.9	U				
Beryllium	2.0	0.78	U	0.78	U				
Cadmium	5.0	0.82	U	0.82	U				
Calcium	5000	305	U	305	U				
Chromium	10.0	4.5	U	4.5	U				
Cobalt	50.0	4.3	U	4.3	U				
Copper	25.0	7.8	U	7.8	U				
Iron	150	73.6	U	73.6	U				
Lead	5.0	4.0	U	4.0	U				
Magnesium	5000	321	U	321	U				
Manganese	15.0	4.3	U	4.3	U				
Nickel	40.0	5.0	U	5.0	U				
Potassium	5000	525	U	525	U				
Selenium	10.0	5.8	U	5.8	U				
Silver	10.0	1.3	U	1.3	U				
Sodium	5000	821	U	821	U				
Thallium	10.0	5.2	U	5.2	U				
Vanadium	50.0	4.0	U	4.0	U				
Zinc	30.0	5.8	U	5.8	U				

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-134282/9 11/02/2012 12:44		CCB 460-134282/40 11/02/2012 13:45		CCB 460-134282/48 11/02/2012 13:59			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.16	U	0.16	U	0.16	U		

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-134303/8 11/02/2012 13:50		CCB 460-134303/41 11/02/2012 15:08		CCB 460-134303/53 11/02/2012 15:33		CCB 460-134303/64 11/02/2012 15:57	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.16	U	0.16	U	0.16	U	0.16	U

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 460-134309/1-A ^2
 Instrument Code: ICP5 Batch No.: 134397

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	9.1	U		6010B
7440-36-0	Antimony	0.62	U		6010B
7440-38-2	Arsenic	0.47	U		6010B
7440-39-3	Barium	0.57	U		6010B
7440-41-7	Beryllium	0.072	U		6010B
7440-43-9	Cadmium	0.074	U		6010B
7440-70-2	Calcium	35.4	U		6010B
7440-47-3	Chromium	0.43	U		6010B
7440-48-4	Cobalt	0.43	U		6010B
7440-50-8	Copper	0.97	U		6010B
7439-89-6	Iron	6.1	U		6010B
7439-92-1	Lead	0.43	U		6010B
7439-95-4	Magnesium	36.0	U		6010B
7439-96-5	Manganese	0.44	U		6010B
7440-02-0	Nickel	0.44	U		6010B
7440-09-7	Potassium	53.5	U		6010B
7782-49-2	Selenium	0.66	U		6010B
7440-22-4	Silver	0.10	U		6010B
7440-23-5	Sodium	79.0	U		6010B
7440-28-0	Thallium	0.57	U		6010B
7440-62-2	Vanadium	0.38	U		6010B
7440-66-6	Zinc	0.54	U		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 460-134401/1-A ^2
 Instrument Code: ICP5 Batch No.: 134442

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	9.1	U		6010B
7440-36-0	Antimony	0.62	U		6010B
7440-38-2	Arsenic	0.47	U		6010B
7440-39-3	Barium	0.57	U		6010B
7440-41-7	Beryllium	0.072	U		6010B
7440-43-9	Cadmium	0.074	U		6010B
7440-70-2	Calcium	35.4	U		6010B
7440-47-3	Chromium	0.43	U		6010B
7440-48-4	Cobalt	0.43	U		6010B
7440-50-8	Copper	0.97	U		6010B
7439-89-6	Iron	6.1	U		6010B
7439-92-1	Lead	0.43	U		6010B
7439-95-4	Magnesium	36.0	U		6010B
7439-96-5	Manganese	0.44	U		6010B
7440-02-0	Nickel	0.44	U		6010B
7440-09-7	Potassium	53.5	U		6010B
7782-49-2	Selenium	0.66	U		6010B
7440-22-4	Silver	0.10	U		6010B
7440-23-5	Sodium	79.0	U		6010B
7440-28-0	Thallium	0.57	U		6010B
7440-62-2	Vanadium	0.38	U		6010B
7440-66-6	Zinc	0.54	U		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1
SDG No.: _____
Concentration Units: mg/Kg Lab Sample ID: MB 460-134233/1-A
Instrument Code: LEEMAN3 Batch No.: 134282

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.022	U		7471A

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Concentration Units: mg/Kg Lab Sample ID: MB 460-134229/1-A

Instrument Code: LEEMAN5 Batch No.: 134303

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.022	U		7471A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-134397/9 Instrument ID: ICP5
 Lab File ID: 11042012A.asc ICS Source: ME_ICSA_Duo_00040
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	497800	100
Antimony		-7.87	
Arsenic		3.56	
Barium		-2.42	
Beryllium		-0.0807	
Cadmium		-0.0625	
Calcium	500000	434500	87
Chromium		1.77	
Cobalt		-0.449	
Copper		0.366	
Iron	200000	196000	98
Lead		-0.862	
Magnesium	500000	502600	101
Manganese		1.78	
Nickel		-3.10	
Potassium		87.1	
Selenium		0.402	
Silver		-1.41	
Sodium		27.8	
Thallium		-2.77	
Vanadium		-0.640	
Zinc		-1.00	
<i>Boron</i>		<i>-1.46</i>	
<i>Molybdenum</i>		<i>-0.813</i>	
<i>Strontium</i>		<i>0.0862</i>	
<i>Tin</i>		<i>-2.98</i>	
<i>Titanium</i>		<i>1.33</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-134397/10 Instrument ID: ICP5
 Lab File ID: 11042012A.asc ICS Source: ME_ICSAB_DUO_00041
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	500000	493800	99
Antimony	100	86.8	87
Arsenic	100	98.1	98
Barium	100	94.4	94
Beryllium	100	94.8	95
Cadmium	100	94.3	94
Calcium	500000	431800	86
Chromium	100	97.0	97
Cobalt	100	92.3	92
Copper	100	94.4	94
Iron	200000	195900	98
Lead	100	88.3	88
Magnesium	500000	497400	99
Manganese	100	99.4	99
Nickel	100	89.7	90
Potassium	10000	10260	103
Selenium	100	95.7	96
Silver	100	99.6	100
Sodium	10000	10420	104
Thallium	100	92.0	92
Vanadium	100	94.0	94
Zinc	100	90.4	90
<i>Boron</i>	<i>100</i>	<i>92.5</i>	<i>92</i>
<i>Molybdenum</i>	<i>100</i>	<i>93.4</i>	<i>93</i>
<i>Strontium</i>	<i>100</i>	<i>96.9</i>	<i>97</i>
<i>Tin</i>	<i>100</i>	<i>87.5</i>	<i>87</i>
<i>Titanium</i>	<i>100</i>	<i>95.7</i>	<i>96</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-134442/9 Instrument ID: ICP5
 Lab File ID: 11052012.asc ICS Source: ME_ICSA_Duo_00040
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	492300	98
Antimony		-6.71	
Arsenic		3.12	
Barium		-2.36	
Beryllium		-0.0119	
Cadmium		3.90	
Calcium	500000	435900	87
Chromium		2.26	
Cobalt		-0.339	
Copper		2.52	
Iron	200000	191900	96
Lead		6.42	
Magnesium	500000	488000	98
Manganese		1.59	
Nickel		-1.87	
Potassium		118	
Selenium		3.94	
Silver		-1.31	
Sodium		9.41	
Thallium		-0.978	
Vanadium		-3.00	
Zinc		-0.859	
<i>Boron</i>		<i>-0.974</i>	
<i>Molybdenum</i>		<i>-0.514</i>	
<i>Strontium</i>		<i>-0.0654</i>	
<i>Tin</i>		<i>-1.34</i>	
<i>Titanium</i>		<i>-2.12</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-134442/10 Instrument ID: ICP5
 Lab File ID: 11052012.asc ICS Source: ME_ICSAB_DUO_00041
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	500000	495300	99
Antimony	100	90.2	90
Arsenic	100	97.0	97
Barium	100	90.9	91
Beryllium	100	92.8	93
Cadmium	100	96.6	97
Calcium	500000	437600	88
Chromium	100	95.2	95
Cobalt	100	89.8	90
Copper	100	96.6	97
Iron	200000	195800	98
Lead	100	95.2	95
Magnesium	500000	498800	100
Manganese	100	99.3	99
Nickel	100	87.3	87
Potassium	10000	10130	101
Selenium	100	93.4	93
Silver	100	94.4	94
Sodium	10000	10330	103
Thallium	100	86.3	86
Vanadium	100	90.8	91
Zinc	100	89.8	90
<i>Boron</i>	<i>100</i>	<i>85.0</i>	<i>85</i>
<i>Molybdenum</i>	<i>100</i>	<i>89.5</i>	<i>90</i>
<i>Strontium</i>	<i>100</i>	<i>92.9</i>	<i>93</i>
<i>Tin</i>	<i>100</i>	<i>82.8</i>	<i>83</i>
<i>Titanium</i>	<i>100</i>	<i>92.7</i>	<i>93</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: SO-17338-090612-MM-247 MS

Lab ID: 460-46532-7 MS

Lab Name: TestAmerica Edison

Job No.: 460-46532-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 78.1

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	12050	7270	244	1959	75-125	4	6010B
Antimony	25.96	1.5 U	60.9	43	75-125	F	6010B
Arsenic	210.2	1.9	244	85	75-125		6010B
Barium	330.3	105	244	92	75-125		6010B
Beryllium	6.11	0.19 J	6.09	97	75-125		6010B
Cadmium	6.09	0.18 U	6.09	100	75-125		6010B
Calcium	2940	426 J	2440	103	75-125		6010B
Chromium	39.56	11.2	24.4	116	75-125		6010B
Cobalt	62.57	1.5 J	60.9	100	75-125		6010B
Copper	31.93	2.9 J	30.5	95	75-125		6010B
Iron	9355	7470	122	1545	75-125	4	6010B
Lead	72.63	16.4	60.9	92	75-125		6010B
Magnesium	2961	497 J	2440	101	75-125		6010B
Manganese	87.33	23.6	60.9	105	75-125		6010B
Nickel	65.59	3.1 J	60.9	103	75-125		6010B
Potassium	2752	269 J	2440	102	75-125		6010B
Selenium	218.2	1.6 U	244	90	75-125		6010B
Silver	5.03	0.25 U	6.09	83	75-125		6010B
Sodium	2557	196 U	2440	105	75-125		6010B
Thallium	253.5	1.4 U	244	104	75-125		6010B
Vanadium	81.39	17.9	60.9	104	75-125		6010B
Zinc	71.73	12.7	60.9	97	75-125		6010B
Mercury	0.237	0.028 U	0.213	111	75-125	H	7471A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-46494-C-1-C MS
Lab Name: TestAmerica Edison Job No.: 460-46532-1
SDG No.: _____
Matrix: Solid Concentration Units: mg/Kg
% Solids: 86.9

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA) J	%R	Control Limit %R	Q	Method
Mercury	0.211	0.036	0.192	91	75-125		7471A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-46561-F-6-C MS ^4
 Lab Name: TestAmerica Edison Job No.: 460-46532-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/Kg
 % Solids: 94.5

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	5163	3360	207	870	75-125	4	6010B
Antimony	44.92	1.3 U	51.9	87	75-125		6010B
Arsenic	186.8	2.5	207	89	75-125		6010B
Barium	250.7	45.8	207	99	75-125		6010B
Beryllium	5.37	0.42	5.19	95	75-125		6010B
Cadmium	4.97	0.16 U	5.19	96	75-125		6010B
Calcium	4152	1950	2070	106	75-125		6010B
Chromium	35.19	13.0	20.7	107	75-125		6010B
Cobalt	55.30	3.9 J	51.9	99	75-125		6010B
Copper	25.81	2.0 U	25.9	100	75-125		6010B
Iron	18920	17200	104	1609	75-125	4	6010B
Lead	58.16	5.8	51.9	101	75-125		6010B
Magnesium	3550	1090	2070	118	75-125		6010B
Manganese	205.1	153	51.9	101	75-125		6010B
Nickel	60.73	7.6 J	51.9	102	75-125		6010B
Potassium	2403	505 J	2070	91	75-125		6010B
Selenium	181.0	1.4 U	207	87	75-125		6010B
Silver	4.50	0.21 U	5.19	87	75-125		6010B
Sodium	2141	166 U	2070	103	75-125		6010B
Thallium	210.8	1.2 U	207	102	75-125		6010B
Vanadium	63.99	13.0	51.9	98	75-125		6010B
Zinc	64.51	11.1	51.9	103	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-46494-C-1-D MSD
Lab Name: TestAmerica Edison Job No.: 460-46532-1
SDG No.: _____
Matrix: Solid Concentration Units: mg/Kg
% Solids: 86.9

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.203	0.192	87	75-125	4	20		7471A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: SO-17338-090612-MM-247 PDS

Lab ID: 460-46532-7 PDS

Lab Name: TestAmerica Edison

Job No.: 460-46532-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	7643	7270	497	NC	75-125		6010B
Antimony	109.8	1.5 U	124	88	75-125		6010B
Arsenic	453.0	1.9	497	91	75-125		6010B
Barium	604.8	105	497	100	75-125		6010B
Beryllium	11.54	0.19 J	12.4	91	75-125		6010B
Cadmium	12.10	0.18 U	12.4	97	75-125		6010B
Calcium	5372	426 J	4970	100	75-125		6010B
Chromium	58.81	11.2	49.7	96	75-125		6010B
Cobalt	122.9	1.5 J	124	98	75-125		6010B
Copper	59.26	2.9 J	62.1	91	75-125		6010B
Iron	7621	7470	248	NC	75-125		6010B
Lead	138.5	16.4	124	98	75-125		6010B
Magnesium	4979	497 J	4970	90	75-125		6010B
Manganese	145.1	23.6	124	98	75-125		6010B
Nickel	125.1	3.1 J	124	98	75-125		6010B
Potassium	4743	269 J	4970	90	75-125		6010B
Selenium	447.8	1.6 U	497	90	75-125		6010B
Silver	10.32	0.25 U	12.4	83	75-125		6010B
Sodium	4880	196 U	4970	98	75-125		6010B
Thallium	508.4	1.4 U	497	102	75-125		6010B
Vanadium	135.1	17.9	124	94	75-125		6010B
Zinc	127.8	12.7	124	93	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-46561-F-6-A PDS ^4
 Lab Name: TestAmerica Edison Job No.: 460-46532-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	3753	3360	419	95	75-125		6010B
Antimony	89.50	1.3 U	105	85	75-125		6010B
Arsenic	371.5	2.5	419	88	75-125		6010B
Barium	449.3	45.8	419	96	75-125		6010B
Beryllium	10.19	0.42	10.5	93	75-125		6010B
Cadmium	9.83	0.16 U	10.5	94	75-125		6010B
Calcium	6136	1950	4190	100	75-125		6010B
Chromium	53.00	13.0	41.9	95	75-125		6010B
Cobalt	102.9	3.9 J	105	95	75-125		6010B
Copper	48.18	2.0 U	52.4	92	75-125		6010B
Iron	17390	17200	210	NC	75-125		6010B
Lead	106.4	5.8	105	96	75-125		6010B
Magnesium	4989	1090	4190	93	75-125		6010B
Manganese	252.5	153	105	95	75-125		6010B
Nickel	107.9	7.6 J	105	96	75-125		6010B
Potassium	4407	505 J	4190	93	75-125		6010B
Selenium	364.4	1.4 U	419	87	75-125		6010B
Silver	8.82	0.21 U	10.5	84	75-125		6010B
Sodium	4126	166 U	4190	98	75-125		6010B
Thallium	415.5	1.2 U	419	99	75-125		6010B
Vanadium	109.8	13.0	105	92	75-125		6010B
Zinc	109.5	11.1	105	94	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Note - Results and Reporting Limits have been adjusted for dry weight.

6-IN
DUPLICATES
METALS

Client ID: SO-17338-090612-MM-247 DU

Lab ID: 460-46532-7 DU

Lab Name: TestAmerica Edison

Job No.: 460-46532-1

SDG No.: _____

% Solids for Sample: 78.1

% Solids for Duplicate: 78.1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Aluminum	50.2	7270	7407	2		6010B
Antimony	2.5	1.5 U	1.6 U	NC		6010B
Arsenic	1.3	1.9	1.84	4		6010B
Barium	50.2	105	105.2	0.2		6010B
Beryllium	0.50	0.19 J	0.189 J	3		6010B
Cadmium	1.3	0.18 U	0.19 U	NC		6010B
Calcium	1250	426 J	433.6 J	2		6010B
Chromium	2.5	11.2	11.27	0.4		6010B
Cobalt	12.5	1.5 J	1.52 J	0.8		6010B
Copper	6.3	2.9 J	3.08 J	5		6010B
Iron	37.6	7470	7500	0.4		6010B
Lead	1.3	16.4	16.94	3		6010B
Magnesium	1250	497 J	497.3 J	0.02		6010B
Manganese	3.8	23.6	23.75	0.6		6010B
Nickel	10.0	3.1 J	2.89 J	6		6010B
Potassium	1250	269 J	273.2 J	2		6010B
Selenium	2.5	1.6 U	1.7 U	NC		6010B
Silver	2.5	0.25 U	0.25 U	NC		6010B
Sodium	1250	196 U	198 U	NC		6010B
Thallium	2.5	1.4 U	1.4 U	NC		6010B
Vanadium	12.5	17.9	17.75	1		6010B
Zinc	7.5	12.7	12.56	1		6010B
Mercury	0.042	0.028 U	0.028 U	NC	H	7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-46494-C-1-B DU
Lab Name: TestAmerica Edison Job No.: 460-46532-1
SDG No.: _____
% Solids for Sample: 86.9 % Solids for Duplicate: 86.9
Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Mercury	0.038	0.036 J	0.0278 J	27		7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-46561-F-6-B DU ^4
 Lab Name: TestAmerica Edison Job No.: 460-46532-1
 SDG No.: _____
 % Solids for Sample: 94.5 % Solids for Duplicate: 94.5
 Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Aluminum	42.3	3360	3547	6		6010B
Antimony	2.1	1.3 U	1.3 U	NC		6010B
Arsenic	1.1	2.5	2.32	9		6010B
Barium	42.3	45.8	47.47	4		6010B
Beryllium	0.42	0.42	0.424	0.9		6010B
Cadmium	1.1	0.16 U	0.16 U	NC		6010B
Calcium	1060	1950	1919	1		6010B
Chromium	2.1	13.0	13.85	6		6010B
Cobalt	10.6	3.9 J	4.95 J	25		6010B
Copper	5.3	2.0 U	2.1 U	NC		6010B
Iron	31.7	17200	17520	2		6010B
Lead	1.1	5.8	7.21	21	F	6010B
Magnesium	1060	1090	1184	8		6010B
Manganese	3.2	153	180.9	17		6010B
Nickel	8.5	7.6 J	8.71	13		6010B
Potassium	1060	505 J	519.2 J	3		6010B
Selenium	2.1	1.4 U	1.4 U	NC		6010B
Silver	2.1	0.21 U	0.21 U	NC		6010B
Sodium	1060	166 U	167 U	NC		6010B
Thallium	2.1	1.2 U	1.2 U	NC		6010B
Vanadium	10.6	13.0	13.84	7		6010B
Zinc	6.3	11.1	13.23	17		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-134309/2-A ^4

Lab Name: TestAmerica Edison

Job No.: 460-46532-1

Sample Matrix: Solid

LCS Source: ME_LCSS_77_00002

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	9130	5669		62.1	43.3	156.8		6010B
Antimony	118	197.6		168.0	20.8	252.5		6010B
Arsenic	165	150.0		91.1	70.8	129.8		6010B
Barium	209	196.1		93.9	73.2	126.8		6010B
Beryllium	108	100.5		93.2	75.1	125.5		6010B
Cadmium	101	97.88		96.9	73.0	126.2		6010B
Calcium	6740	6614		98.2	74.4	125.8		6010B
Chromium	117	115.4		98.9	69.7	129.4		6010B
Cobalt	128	128.6		100.1	74.4	125.2		6010B
Copper	116	106.7		92.2	74.6	124.6		6010B
Iron	12700	11940		93.6	32.2	167.7		6010B
Lead	75.4	74.18		98.4	68.7	131.3		6010B
Magnesium	2730	2218		81.4	65.1	135.3		6010B
Manganese	331	352.2		106.3	75.4	125.1		6010B
Nickel	68.6	68.63		100	70.9	129.0		6010B
Potassium	3070	2465		80.3	62.9	136.7		6010B
Selenium	124	114.6		92.7	66.7	134.1		6010B
Silver	41.5	36.53		88.1	66.2	134.0		6010B
Sodium	343	294.9	J	85.9	42.9	156.9		6010B
Thallium	204	211.6		103.7	69.2	130.8		6010B
Vanadium	85.4	81.67		95.6	63.1	136.6		6010B
Zinc	271	258.0		95.4	71.4	128.6		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-134401/2-A ^4

Lab Name: TestAmerica Edison

Job No.: 460-46532-1

Sample Matrix: Solid

LCS Source: ME_LCSS_77_00002

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	9040	5396		59.7	43.3	156.8		6010B
Antimony	117	214.4		184.0	20.8	252.5		6010B
Arsenic	163	158.9		97.4	70.8	129.8		6010B
Barium	207	209.9		101.5	73.2	126.8		6010B
Beryllium	107	105.5		98.8	75.1	125.5		6010B
Cadmium	100	109.2		109.2	73.0	126.2		6010B
Calcium	6670	7373		110.5	74.4	125.8		6010B
Chromium	116	115.1		99.7	69.7	129.4		6010B
Cobalt	127	143.7		113.0	74.4	125.2		6010B
Copper	115	117.9		102.9	74.6	124.6		6010B
Iron	12600	10950		86.8	32.2	167.7		6010B
Lead	74.7	76.62		102.6	68.7	131.3		6010B
Magnesium	2700	2120		78.6	65.1	135.3		6010B
Manganese	328	350.1		106.7	75.4	125.1		6010B
Nickel	68.0	77.03		113.3	70.9	129.0		6010B
Potassium	3040	2414		79.4	62.9	136.7		6010B
Selenium	122	124.0		101.4	66.7	134.1		6010B
Silver	41.1	37.38		91.0	66.2	134.0		6010B
Sodium	340	322.9	J	95.0	42.9	156.9		6010B
Thallium	202	228.0		112.9	69.2	130.8		6010B
Vanadium	84.6	84.16		99.5	63.1	136.6		6010B
Zinc	268	268.0		100	71.4	128.6		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-134233/2-A ^25

Lab Name: TestAmerica Edison

Job No.: 460-46532-1

Sample Matrix: Solid

LCS Source: ME_LCSS_77_00002

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	25.1	24.08		95.9	51.4	148.2		7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-134229/2-A ^25

Lab Name: TestAmerica Edison

Job No.: 460-46532-1

Sample Matrix: Solid

LCS Source: ME_LCSS_77_00002

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	25.1	24.17		96.3	51.4	148.2		7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-46532-7

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-46532-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Aluminum	7270		7060		2.9		6010B
Antimony	1.5	U	7.7	U	NC		6010B
Arsenic	1.9		5.8	U	NC		6010B
Barium	105		104.3	J	1.1		6010B
Beryllium	0.19	J	0.89	U	NC		6010B
Cadmium	0.18	U	0.92	U	NC		6010B
Calcium	426	J	440	U	NC		6010B
Chromium	11.2		10.72	J	NC		6010B
Cobalt	1.5	J	5.3	U	NC		6010B
Copper	2.9	J	12.1	U	NC		6010B
Iron	7470		7341		1.7		6010B
Lead	16.4		17.85		NC		6010B
Magnesium	497	J	507.9	J	NC		6010B
Manganese	23.6		23.26		NC		6010B
Nickel	3.1	J	5.5	U	NC		6010B
Potassium	269	J	665	U	NC		6010B
Selenium	1.6	U	8.2	U	NC		6010B
Silver	0.25	U	1.2	U	NC		6010B
Sodium	196	U	981	U	NC		6010B
Thallium	1.4	U	7.0	U	NC		6010B
Vanadium	17.9		16.77	J	NC		6010B
Zinc	12.7		11.91	J	NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-46561-F-6-A SD ^20

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-46532-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Aluminum	3360		3399		1.2		6010B
Antimony	1.3	U	6.5	U	NC		6010B
Arsenic	2.5		6.40		NC		6010B
Barium	45.8		46.21	J	NC		6010B
Beryllium	0.42		0.75	U	NC		6010B
Cadmium	0.16	U	0.78	U	NC		6010B
Calcium	1950		1968	J	NC		6010B
Chromium	13.0		13.24		NC		6010B
Cobalt	3.9	J	4.5	U	NC		6010B
Copper	2.0	U	10.2	U	NC		6010B
Iron	17200		17630		2.2		6010B
Lead	5.8		8.40		NC		6010B
Magnesium	1090		1138	J	NC		6010B
Manganese	153		155.9		2.2		6010B
Nickel	7.6	J	8.05	J	NC		6010B
Potassium	505	J	561	U	NC		6010B
Selenium	1.4	U	6.9	U	NC		6010B
Silver	0.21	U	1.0	U	NC		6010B
Sodium	166	U	828	U	NC		6010B
Thallium	1.2	U	5.9	U	NC		6010B
Vanadium	13.0		12.88	J	NC		6010B
Zinc	11.1		11.11	J	NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-46532-7

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-46532-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample		Serial		% Difference	Q	Method
	Result (I)	C	Result (S)	C			
Mercury	0.028	U	0.14	U	NC	H	7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-46494-C-1-A SD ^5

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-46532-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample		Serial		% Difference	Q	Method
	Result (I)	C	Result (S)	C			
Mercury	0.036	J	0.13	U	NC		7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-46532-1
 SDG Number: _____
 Matrix: Solid Instrument ID: ICP5
 Method: 6010B MDL Date: 02/08/2012 17:17
 Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum		40	18.2
Antimony		2	1.24
Arsenic		1	0.94
Barium		40	1.14
Beryllium		0.4	0.144
Cadmium		1	0.148
Calcium		1000	70.8
Chromium		2	0.86
Cobalt		10	0.852
Copper		5	1.94
Iron		30	12.1
Lead		1	0.86
Magnesium		1000	72
Manganese		3	0.88
Nickel		8	0.88
Potassium		1000	107
Selenium		2	1.32
Silver		2	0.2
Sodium		1000	158
Thallium		2	1.13
Vanadium		10	0.768
Zinc		6	1.08

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-46532-1
SDG Number: _____
Matrix: Solid Instrument ID: ICP5
Method: 6010B XMDL Date: 11/14/2011 14:14

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		200	72.11
Antimony		10	7.351
Arsenic		5	3.729
Barium		200	5.944
Beryllium		2	0.776
Cadmium		5	0.818
Calcium		5000	304.6
Chromium		10	4.46
Cobalt		50	4.272
Copper		25	7.838
Iron		150	73.6
Lead		5	4.012
Magnesium		5000	321.4
Manganese		15	4.303
Nickel		40	4.981
Potassium		5000	524.8
Selenium		10	5.758
Silver		10	1.339
Sodium		5000	820.7
Thallium		10	5.247
Vanadium		50	4.044
Zinc		30	5.849

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-46532-1
SDG Number: _____
Matrix: Solid Instrument ID: LEEMAN3
Method: 7471A MDL Date: 03/23/2011 11:28
Prep Method: 7471A

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury		0.033	0.022

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-46532-1
SDG Number: _____
Matrix: Solid Instrument ID: LEEMAN3
Method: 7471A XMDL Date: 11/14/2011 14:17

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.16

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-46532-1
SDG Number: _____
Matrix: Solid Instrument ID: LEEMAN5
Method: 7471A MDL Date: 03/23/2011 11:28
Prep Method: 7471A

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury		0.033	0.022

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-46532-1
SDG Number: _____
Matrix: Solid Instrument ID: LEEMAN5
Method: 7471A XMDL Date: 11/14/2011 14:17

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.16

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-134309/1-A ^2	11/02/2012 16:40	134309	1.00		50
LCSSRM 460-134309/2-A ^4	11/02/2012 16:40	134309	1.02		50
460-46561-F-6-B DU ^4	11/02/2012 16:40	134309	1.00		50
460-46561-F-6-C MS ^4	11/02/2012 16:40	134309	1.02		50
460-46532-2	11/02/2012 16:40	134309	1.02		50
460-46532-1	11/02/2012 16:40	134309	1.00		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-134401/1-A ^2	11/05/2012 08:15	134401	1.00		50
LCSSRM 460-134401/2-A ^4	11/05/2012 08:15	134401	1.03		50
460-46532-7	11/05/2012 08:15	134401	1.03		50
460-46532-7 DU	11/05/2012 08:15	134401	1.02		50
460-46532-7 MS	11/05/2012 08:15	134401	1.05		50
460-46532-3	11/05/2012 08:15	134401	1.03		50
460-46532-4	11/05/2012 08:15	134401	1.03		50
460-46532-5	11/05/2012 08:15	134401	1.07		50
460-46532-6	11/05/2012 08:15	134401	1.10		50
460-46532-8	11/05/2012 08:15	134401	1.07		50
460-46532-9	11/05/2012 08:15	134401	1.08		50
460-46532-10	11/05/2012 08:15	134401	1.06		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-134229/1-A	11/02/2012 10:32	134229	0.60		100
LCSSRM 460-134229/2-A ^25	11/02/2012 10:32	134229	0.60		100
460-46494-C-1-B DU	11/02/2012 10:32	134229	0.60		100
460-46494-C-1-C MS	11/02/2012 10:32	134229	0.60		100
460-46494-C-1-D MSD	11/02/2012 10:32	134229	0.60		100
460-46532-1	11/02/2012 10:32	134229	0.60		100
460-46532-2	11/02/2012 10:32	134229	0.62		100
460-46532-3	11/02/2012 10:32	134229	0.62		100
460-46532-4	11/02/2012 10:32	134229	0.60		100
460-46532-5	11/02/2012 10:32	134229	0.62		100
460-46532-6	11/02/2012 10:32	134229	0.62		100
460-46532-8	11/02/2012 10:32	134229	0.61		100
460-46532-9	11/02/2012 10:32	134229	0.61		100
460-46532-10	11/02/2012 12:18	134229	0.61		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-134233/1-A	11/02/2012 10:49	134233	0.60		100
LCSSRM 460-134233/2-A ^25	11/02/2012 10:49	134233	0.60		100
460-46532-7	11/02/2012 10:49	134233	0.60		100
460-46532-7 DU	11/02/2012 10:49	134233	0.60		100
460-46532-7 MS	11/02/2012 10:49	134233	0.60		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/04/2012 15:14 End Date: 11/04/2012 21:48

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
ZZZZZZ			15:14																				
ZZZZZZ			15:18																				
ZZZZZZ			15:22																				
ZZZZZZ			15:25																				
ZZZZZZ			15:29																				
ZZZZZZ			15:32																				
ICV 460-134397/7	1		15:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 460-134397/8	1		15:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 460-134397/9	1		15:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 460-134397/10	1		15:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			15:51																				
ZZZZZZ			15:55																				
ZZZZZZ			15:59																				
ZZZZZZ			16:03																				
ZZZZZZ			16:06																				
ZZZZZZ			16:10																				
ZZZZZZ			16:14																				
ZZZZZZ			16:17																				
CCV 460-134397/19			16:21																				
CCB 460-134397/20			16:25																				
ZZZZZZ			16:28																				
ZZZZZZ			16:32																				
ZZZZZZ			16:36																				
ZZZZZZ			16:40																				
ZZZZZZ			16:43																				
ZZZZZZ			16:47																				
ZZZZZZ			16:51																				
ZZZZZZ			16:55																				
ZZZZZZ			16:59																				
ZZZZZZ			17:02																				
CCV 460-134397/31			17:06																				
CCB 460-134397/32			17:09																				
ZZZZZZ			17:13																				
ZZZZZZ			17:17																				
ZZZZZZ			17:21																				
ZZZZZZ			17:24																				
ZZZZZZ			17:28																				
ZZZZZZ			17:31																				
ZZZZZZ			17:35																				
ZZZZZZ			17:39																				
ZZZZZZ			17:43																				
ZZZZZZ			17:46																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/04/2012 15:14 End Date: 11/04/2012 21:48

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
CCV 460-134397/43	1		17:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-134397/44	1		17:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			17:57																				
ZZZZZZ			18:01																				
ZZZZZZ			18:05																				
ZZZZZZ			18:09																				
ZZZZZZ			18:12																				
ZZZZZZ			18:16																				
ZZZZZZ			18:20																				
460-46561-F-6-B DU ^4	4	T	18:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			18:27																				
LCSSRM 460-134309/2-A ^4	4	T	18:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 460-134397/55	1		18:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-134397/56	1		18:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 460-134309/1-A ^2	2	T	18:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-46561-F-6-A SD ^20	20	T	18:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-46561-F-6-C MS ^4	4	T	18:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-46561-F-6-A PDS ^4	4	T	18:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			18:56																				
ZZZZZZ			19:00																				
ZZZZZZ			19:04																				
ZZZZZZ			19:07																				
ZZZZZZ			19:11																				
ZZZZZZ			19:15																				
CCV 460-134397/67	1		19:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-134397/68	1		19:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			19:26																				
ZZZZZZ			19:29																				
ZZZZZZ			19:33																				
ZZZZZZ			19:37																				
ZZZZZZ			19:40																				
ZZZZZZ			19:44																				
ZZZZZZ			19:47																				
ZZZZZZ			19:51																				
ZZZZZZ			19:55																				
ZZZZZZ			19:58																				
CCV 460-134397/79	1		20:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-134397/80	1		20:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			20:09																				
460-46532-2	4	T	20:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/04/2012 15:14 End Date: 11/04/2012 21:48

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
460-46532-1	4	T	20:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			20:20																			
ZZZZZZ			20:24																			
ZZZZZZ			20:28																			
ZZZZZZ			20:31																			
ZZZZZZ			20:35																			
ZZZZZZ			20:38																			
ZZZZZZ			20:42																			
CCV 460-134397/91	1		20:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-134397/92	1		20:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			20:53																			
ZZZZZZ			20:57																			
ZZZZZZ			21:00																			
ZZZZZZ			21:04																			
ZZZZZZ			21:08																			
ZZZZZZ			21:11																			
ZZZZZZ			21:15																			
ZZZZZZ			21:19																			
ZZZZZZ			21:22																			
ZZZZZZ			21:26																			
CCV 460-134397/103			21:30																			
CCB 460-134397/104			21:33																			
ZZZZZZ			21:37																			
ZZZZZZ			21:41																			
CCV 460-134397/107			21:45																			
CCB 460-134397/108			21:48																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/04/2012 15:14 End Date: 11/04/2012 21:48

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			15:14																		
ZZZZZZ			15:18																		
ZZZZZZ			15:22																		
ZZZZZZ			15:25																		
ZZZZZZ			15:29																		
ZZZZZZ			15:32																		
ICV 460-134397/7	1		15:36	X	X																
ICB 460-134397/8	1		15:40	X	X																
ICSA 460-134397/9	1		15:43	X	X																
ICSAB 460-134397/10	1		15:47	X	X																
ZZZZZZ			15:51																		
ZZZZZZ			15:55																		
ZZZZZZ			15:59																		
ZZZZZZ			16:03																		
ZZZZZZ			16:06																		
ZZZZZZ			16:10																		
ZZZZZZ			16:14																		
ZZZZZZ			16:17																		
CCV 460-134397/19			16:21																		
CCB 460-134397/20			16:25																		
ZZZZZZ			16:28																		
ZZZZZZ			16:32																		
ZZZZZZ			16:36																		
ZZZZZZ			16:40																		
ZZZZZZ			16:43																		
ZZZZZZ			16:47																		
ZZZZZZ			16:51																		
ZZZZZZ			16:55																		
ZZZZZZ			16:59																		
ZZZZZZ			17:02																		
CCV 460-134397/31			17:06																		
CCB 460-134397/32			17:09																		
ZZZZZZ			17:13																		
ZZZZZZ			17:17																		
ZZZZZZ			17:21																		
ZZZZZZ			17:24																		
ZZZZZZ			17:28																		
ZZZZZZ			17:31																		
ZZZZZZ			17:35																		
ZZZZZZ			17:39																		
ZZZZZZ			17:43																		
ZZZZZZ			17:46																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/04/2012 15:14 End Date: 11/04/2012 21:48

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCV 460-134397/43	1		17:50	X	X																
CCB 460-134397/44	1		17:53	X	X																
ZZZZZZ			17:57																		
ZZZZZZ			18:01																		
ZZZZZZ			18:05																		
ZZZZZZ			18:09																		
ZZZZZZ			18:12																		
ZZZZZZ			18:16																		
ZZZZZZ			18:20																		
460-46561-F-6-B DU ^4	4	T	18:24	X	X																
ZZZZZZ			18:27																		
LCSSRM 460-134309/2-A ^4	4	T	18:31	X	X																
CCV 460-134397/55	1		18:34	X	X																
CCB 460-134397/56	1		18:38	X	X																
MB 460-134309/1-A ^2	2	T	18:42	X	X																
460-46561-F-6-A SD ^20	20	T	18:45	X	X																
460-46561-F-6-C MS ^4	4	T	18:49	X	X																
460-46561-F-6-A PDS ^4	4	T	18:53	X	X																
ZZZZZZ			18:56																		
ZZZZZZ			19:00																		
ZZZZZZ			19:04																		
ZZZZZZ			19:07																		
ZZZZZZ			19:11																		
ZZZZZZ			19:15																		
CCV 460-134397/67	1		19:18	X	X																
CCB 460-134397/68	1		19:22	X	X																
ZZZZZZ			19:26																		
ZZZZZZ			19:29																		
ZZZZZZ			19:33																		
ZZZZZZ			19:37																		
ZZZZZZ			19:40																		
ZZZZZZ			19:44																		
ZZZZZZ			19:47																		
ZZZZZZ			19:51																		
ZZZZZZ			19:55																		
ZZZZZZ			19:58																		
CCV 460-134397/79	1		20:02	X	X																
CCB 460-134397/80	1		20:06	X	X																
ZZZZZZ			20:09																		
460-46532-2	4	T	20:13	X	X																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/04/2012 15:14 End Date: 11/04/2012 21:48

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
460-46532-1	4	T	20:17	X	X																
ZZZZZZ			20:20																		
ZZZZZZ			20:24																		
ZZZZZZ			20:28																		
ZZZZZZ			20:31																		
ZZZZZZ			20:35																		
ZZZZZZ			20:38																		
ZZZZZZ			20:42																		
CCV 460-134397/91	1		20:46	X	X																
CCB 460-134397/92	1		20:49	X	X																
ZZZZZZ			20:53																		
ZZZZZZ			20:57																		
ZZZZZZ			21:00																		
ZZZZZZ			21:04																		
ZZZZZZ			21:08																		
ZZZZZZ			21:11																		
ZZZZZZ			21:15																		
ZZZZZZ			21:19																		
ZZZZZZ			21:22																		
ZZZZZZ			21:26																		
CCV 460-134397/103			21:30																		
CCB 460-134397/104			21:33																		
ZZZZZZ			21:37																		
ZZZZZZ			21:41																		
CCV 460-134397/107			21:45																		
CCB 460-134397/108			21:48																		

Prep Types

R = Total Recoverable

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/05/2012 10:02 End Date: 11/05/2012 14:51

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
ZZZZZZ			10:02																				
ZZZZZZ			10:05																				
ZZZZZZ			10:09																				
ZZZZZZ			10:13																				
ZZZZZZ			10:16																				
ZZZZZZ			10:20																				
ICV 460-134442/7	1		10:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 460-134442/8	1		10:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 460-134442/9	1		10:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 460-134442/10	1		10:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			10:39																				
ZZZZZZ			10:43																				
ZZZZZZ			10:47																				
ZZZZZZ			10:51																				
ZZZZZZ			10:54																				
ZZZZZZ			10:58																				
ZZZZZZ			11:02																				
ZZZZZZ			11:05																				
CCV 460-134442/19			11:09																				
CCB 460-134442/20			11:13																				
ZZZZZZ			11:17																				
ZZZZZZ			11:20																				
ZZZZZZ			11:24																				
ZZZZZZ			11:28																				
ZZZZZZ			11:32																				
ZZZZZZ			11:36																				
ZZZZZZ			11:40																				
CCV 460-134442/28			11:43																				
CCB 460-134442/29			11:47																				
CCV 460-134442/30	1		12:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-134442/31	1		12:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MB 460-134401/1-A ^2	2	T	12:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCSSRM 460-134401/2-A ^4	4	T	12:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			12:39																				
ZZZZZZ			12:43																				
ZZZZZZ			12:47																				
ZZZZZZ			12:50																				
ZZZZZZ			12:54																				
460-46532-3	4	T	12:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-46532-4	4	T	13:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-46532-5	4	T	13:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/05/2012 10:02 End Date: 11/05/2012 14:51

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
CCV 460-134442/42	1		13:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-134442/43	1		13:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-46532-6	4	T	13:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-46532-8	4	T	13:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-46532-9	4	T	13:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-46532-10	4	T	13:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:30																				
CCV 460-134442/49	1		13:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-134442/50	1		13:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 460-134442/51	1		14:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-134442/52	1		14:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-46532-7 DU	4	T	14:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-46532-7	4	T	14:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-46532-7 SD	20	T	14:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-46532-7 MS	4	T	14:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-46532-7 PDS	4	T	14:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 460-134442/58	1		14:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-134442/59	1		14:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/05/2012 10:02 End Date: 11/05/2012 14:51

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			10:02																		
ZZZZZZ			10:05																		
ZZZZZZ			10:09																		
ZZZZZZ			10:13																		
ZZZZZZ			10:16																		
ZZZZZZ			10:20																		
ICV 460-134442/7	1		10:24	X	X																
ICB 460-134442/8	1		10:28	X	X																
ICSA 460-134442/9	1		10:31	X	X																
ICSAB 460-134442/10	1		10:35	X	X																
ZZZZZZ			10:39																		
ZZZZZZ			10:43																		
ZZZZZZ			10:47																		
ZZZZZZ			10:51																		
ZZZZZZ			10:54																		
ZZZZZZ			10:58																		
ZZZZZZ			11:02																		
ZZZZZZ			11:05																		
CCV 460-134442/19			11:09																		
CCB 460-134442/20			11:13																		
ZZZZZZ			11:17																		
ZZZZZZ			11:20																		
ZZZZZZ			11:24																		
ZZZZZZ			11:28																		
ZZZZZZ			11:32																		
ZZZZZZ			11:36																		
ZZZZZZ			11:40																		
CCV 460-134442/28			11:43																		
CCB 460-134442/29			11:47																		
CCV 460-134442/30	1		12:25	X	X																
CCB 460-134442/31	1		12:28	X	X																
MB 460-134401/1-A ^2	2	T	12:32	X	X																
LCSSRM 460-134401/2-A ^4	4	T	12:36	X	X																
ZZZZZZ			12:39																		
ZZZZZZ			12:43																		
ZZZZZZ			12:47																		
ZZZZZZ			12:50																		
ZZZZZZ			12:54																		
460-46532-3	4	T	12:57	X	X																
460-46532-4	4	T	13:01	X	X																
460-46532-5	4	T	13:05	X	X																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/05/2012 10:02 End Date: 11/05/2012 14:51

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCV 460-134442/42	1		13:08	X	X																
CCB 460-134442/43	1		13:12	X	X																
460-46532-6	4	T	13:16	X	X																
460-46532-8	4	T	13:19	X	X																
460-46532-9	4	T	13:23	X	X																
460-46532-10	4	T	13:27	X	X																
ZZZZZZ			13:30																		
CCV 460-134442/49	1		13:34	X	X																
CCB 460-134442/50	1		13:38	X	X																
CCV 460-134442/51	1		14:22	X	X																
CCB 460-134442/52	1		14:26	X	X																
460-46532-7 DU	4	T	14:29	X	X																
460-46532-7	4	T	14:33	X	X																
460-46532-7 SD	20	T	14:37	X	X																
460-46532-7 MS	4	T	14:40	X	X																
460-46532-7 PDS	4	T	14:44	X	X																
CCV 460-134442/58	1		14:47	X	X																
CCB 460-134442/59	1		14:51	X	X																

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Instrument ID: LEEMAN3 Method: 7471A

Start Date: 11/02/2012 12:28 End Date: 11/02/2012 14:08

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			12:28																
IC 460-134208/25-A			12:31	X															
IC 460-134208/26-A			12:33	X															
IC 460-134208/27-A			12:35	X															
IC 460-134208/28-A			12:36	X															
IC 460-134208/29-A			12:38	X															
IC 460-134208/30-A			12:40	X															
ICV 460-134208/31-A	1		12:42	X															
ICB 460-134282/9	1		12:44	X															
ZZZZZZ			12:46																
ZZZZZZ			12:48																
ZZZZZZ			12:51																
ZZZZZZ			12:53																
ZZZZZZ			12:55																
ZZZZZZ			12:57																
ZZZZZZ			12:58																
ZZZZZZ			13:00																
CCV 460-134208/32-A			13:02																
CCB 460-134282/19			13:04																
ZZZZZZ			13:06																
ZZZZZZ			13:08																
ZZZZZZ			13:10																
ZZZZZZ			13:11																
ZZZZZZ			13:13																
ZZZZZZ			13:15																
ZZZZZZ			13:17																
ZZZZZZ			13:18																
CCV 460-134208/32-A			13:21																
CCB 460-134282/29			13:22																
ZZZZZZ			13:24																
ZZZZZZ			13:27																
ZZZZZZ			13:29																
ZZZZZZ			13:31																
ZZZZZZ			13:32																
ZZZZZZ			13:34																
ZZZZZZ			13:37																
ZZZZZZ			13:39																
ZZZZZZ			13:41																
CCV 460-134208/32-A	1		13:43	X															
CCB 460-134282/40	1		13:45	X															
MB 460-134233/1-A	1	T	13:46	X															

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Instrument ID: LEEMAN3 Method: 7471A

Start Date: 11/02/2012 12:28 End Date: 11/02/2012 14:08

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
LCSSRM 460-134233/2-A ^25	25	T	13:48	X																	
460-46532-7	1	T	13:50	X																	
460-46532-7 DU	1	T	13:52	X																	
460-46532-7 MS	1	T	13:54	X																	
460-46532-7 SD	5	T	13:56	X																	
CCV 460-134208/32-A	1		13:57	X																	
CCB 460-134282/48	1		13:59	X																	
ZZZZZZ			14:02																		
ZZZZZZ			14:04																		
CCV 460-134208/32-A			14:06																		
CCB 460-134282/52			14:08																		

Prep Types

= Total/NA

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Instrument ID: LEEMAN5 Method: 7471A

Start Date: 11/02/2012 13:34 End Date: 11/02/2012 15:57

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
IC 460-134226/25-A			13:34	X																	
IC 460-134226/26-A			13:36	X																	
IC 460-134226/27-A			13:38	X																	
IC 460-134226/28-A			13:40	X																	
IC 460-134226/29-A			13:42	X																	
IC 460-134226/30-A			13:44	X																	
ICV 460-134226/31-A	1		13:48	X																	
ICB 460-134303/8	1		13:50	X																	
ZZZZZZ			13:52																		
ZZZZZZ			13:55																		
ZZZZZZ			13:56																		
ZZZZZZ			13:58																		
ZZZZZZ			14:00																		
ZZZZZZ			14:02																		
ZZZZZZ			14:04																		
ZZZZZZ			14:06																		
ZZZZZZ			14:08																		
CCV 460-134226/32-A			14:10																		
CCB 460-134303/19			14:12																		
ZZZZZZ			14:14																		
ZZZZZZ			14:16																		
ZZZZZZ			14:18																		
ZZZZZZ			14:20																		
ZZZZZZ			14:21																		
ZZZZZZ			14:23																		
ZZZZZZ			14:25																		
CCV 460-134226/32-A			14:27																		
CCB 460-134303/28			14:29																		
ZZZZZZ			14:31																		
ZZZZZZ			14:33																		
ZZZZZZ			14:35																		
ZZZZZZ			14:37																		
ZZZZZZ			14:40																		
ZZZZZZ			14:42																		
ZZZZZZ			14:44																		
ZZZZZZ			14:46																		
CCV 460-134226/32-A			14:48																		
CCB 460-134303/38			14:50																		
ZZZZZZ			15:04																		
CCV 460-134226/32-A	1		15:06	X																	
CCB 460-134303/41	1		15:08	X																	
MB 460-134229/1-A	1	T	15:10	X																	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

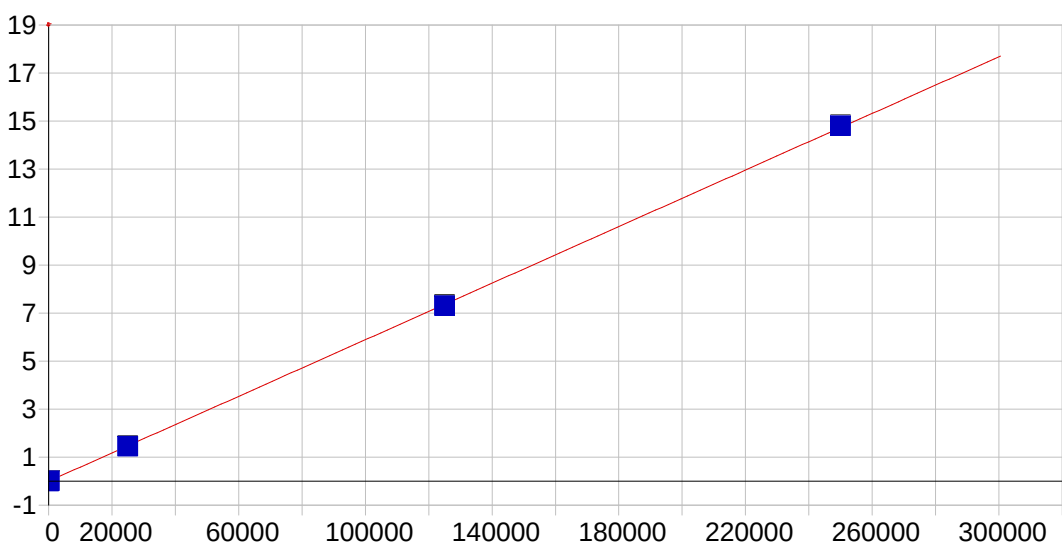
Instrument ID: LEEMAN5 Method: 7471A

Start Date: 11/02/2012 13:34 End Date: 11/02/2012 15:57

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
LCSSRM 460-134229/2-A ^25	25	T	15:12	X															
ZZZZZZ			15:15																
460-46494-C-1-B DU	1	T	15:17	X															
460-46494-C-1-C MS	1	T	15:18	X															
460-46494-C-1-D MSD	1	T	15:20	X															
ZZZZZZ			15:22																
ZZZZZZ			15:24																
460-46532-1	1	T	15:26	X															
460-46532-2	1	T	15:29	X															
CCV 460-134226/32-A	1		15:31	X															
CCB 460-134303/53	1		15:33	X															
460-46532-3	1	T	15:35	X															
460-46532-4	1	T	15:38	X															
460-46532-5	1	T	15:41	X															
460-46532-6	1	T	15:43	X															
460-46532-8	1	T	15:45	X															
460-46532-9	1	T	15:48	X															
460-46532-10	1	T	15:50	X															
ZZZZZZ			15:52																
460-46494-C-1-A SD ^5	5	T	15:53	X															
CCV 460-134226/32-A	1		15:56	X															
CCB 460-134303/64	1		15:57	X															

Prep Types

T = Total/NA

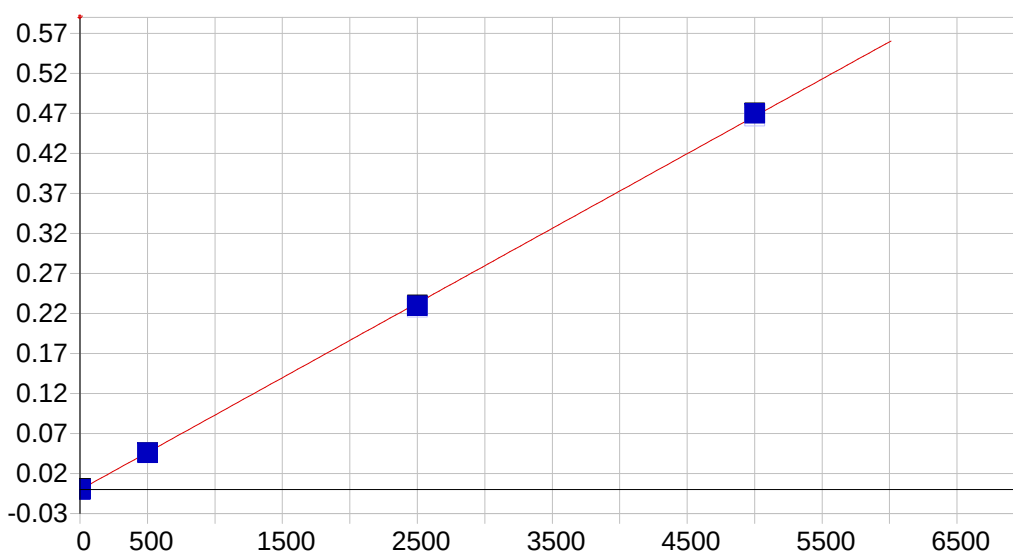


AI 396.152 { 85}

Date of Fit: 11/4/2012 15:36:29 Type of Fit: Linear Weighting: 1/Conc

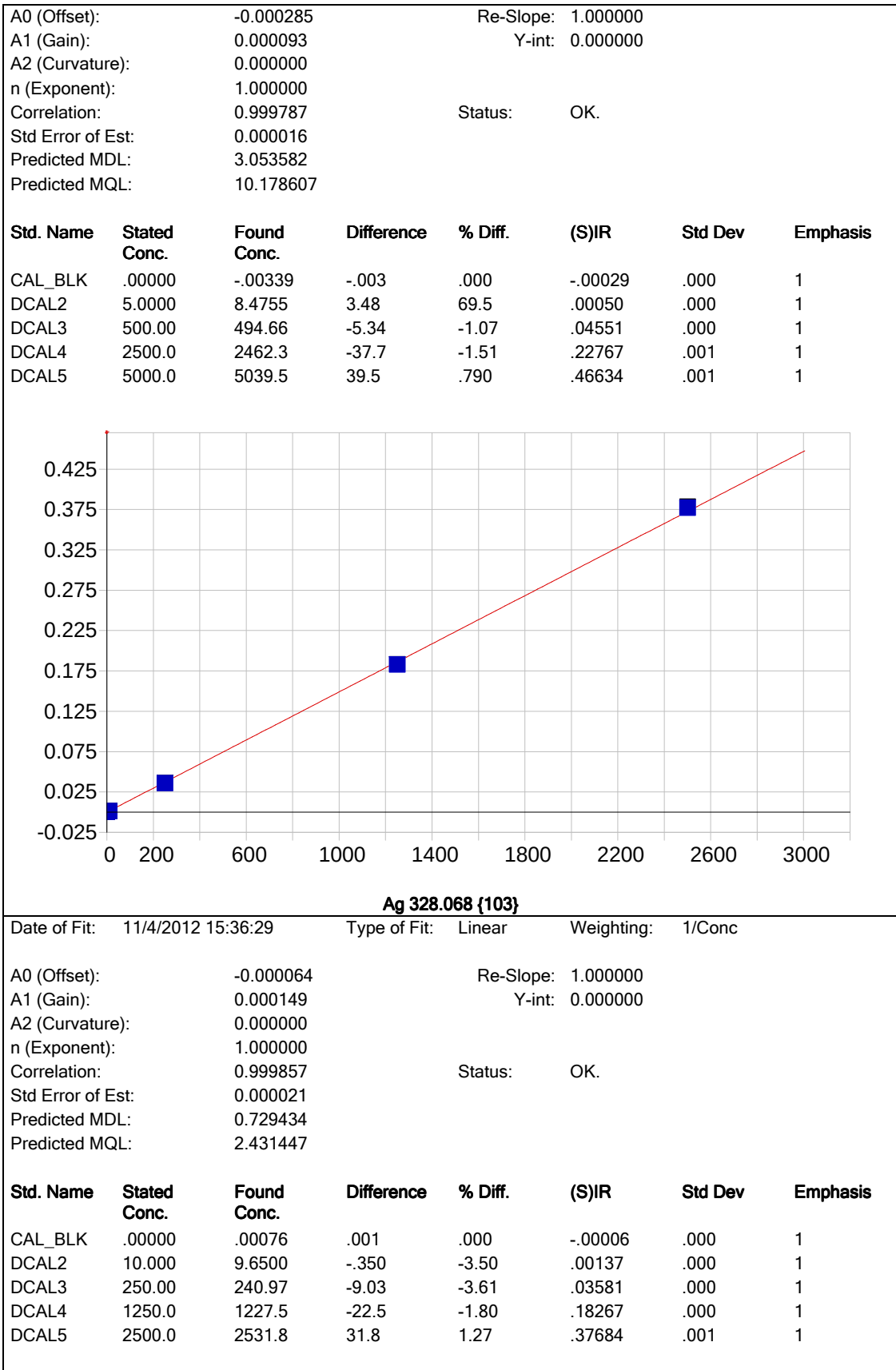
A0 (Offset): -0.000894 Re-Slope: 1.000000
 A1 (Gain): 0.000059 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999977 Status: OK.
 Std Error of Est: 0.000145
 Predicted MDL: 10.374966
 Predicted MQL: 34.583221

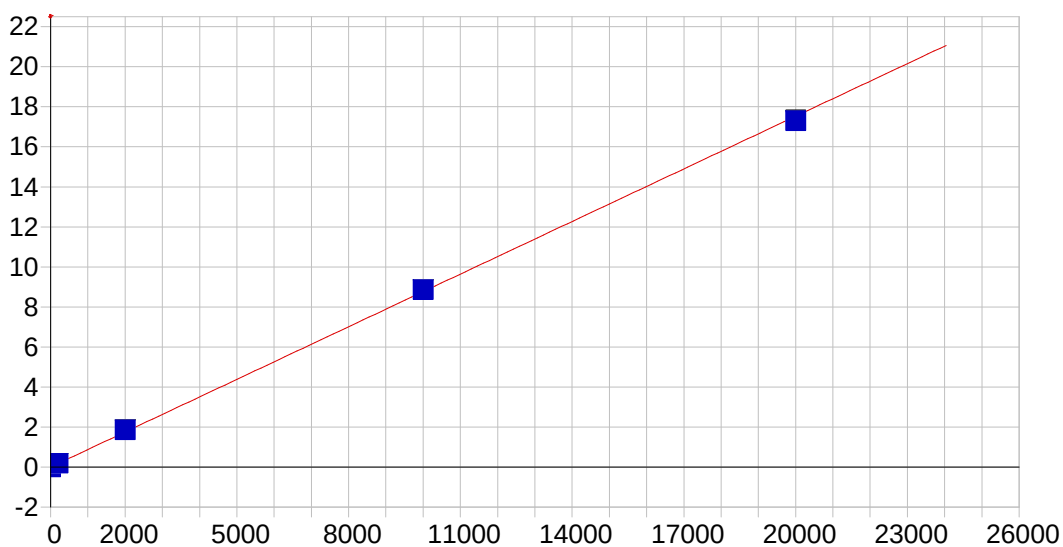
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.01576	.016	.000	-.00089	.000	1
DCAL2	200.00	187.03	-13.0	-6.49	.01009	.000	1
DCAL3	25000.	24720.	-280.	-1.12	1.4561	.000	1
DCAL4	125000.	124020.	-978.	-.783	7.3090	.025	1
DCAL5	250000.	251270.	1270.	.508	14.809	.019	1



As 189.042 {478}

Date of Fit: 11/4/2012 15:36:29 Type of Fit: Linear Weighting: 1/Conc



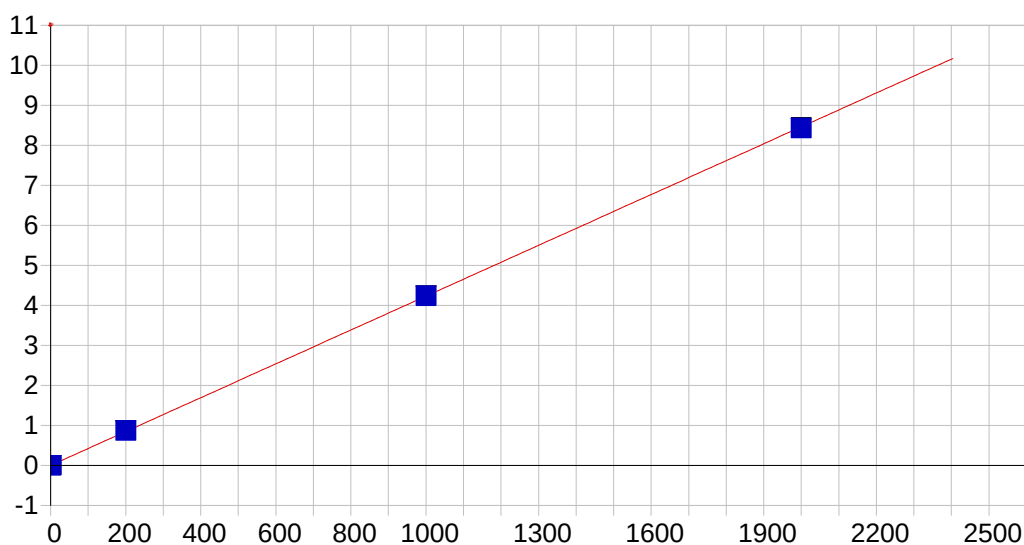


Ba 233.527 {445}

Date of Fit: 11/4/2012 15:36:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000103 Re-Slope: 1.000000
 A1 (Gain): 0.000876 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999789 Status: OK.
 Std Error of Est: 0.001862
 Predicted MDL: 0.336673
 Predicted MQL: 1.122244

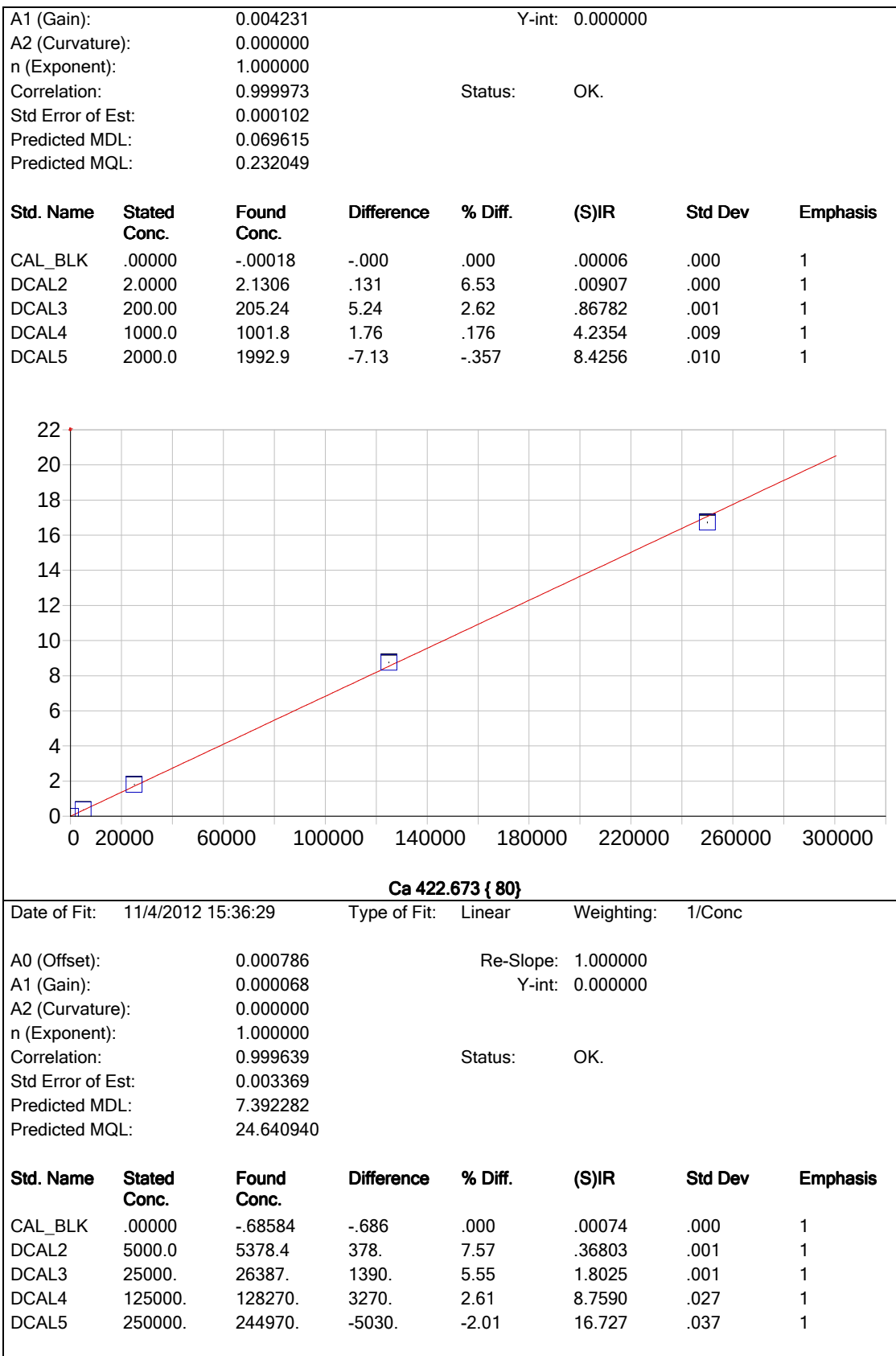
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.02772	-.028	.000	-.00013	.000	1
DCAL2	200.00	215.49	15.5	7.74	.18867	.000	1
DCAL3	2000.0	2124.9	125.	6.24	1.8602	.002	1
DCAL4	10000.	10114.	114.	1.14	8.8545	.006	1
DCAL5	20000.	19745.	-255.	-1.27	17.285	.031	1

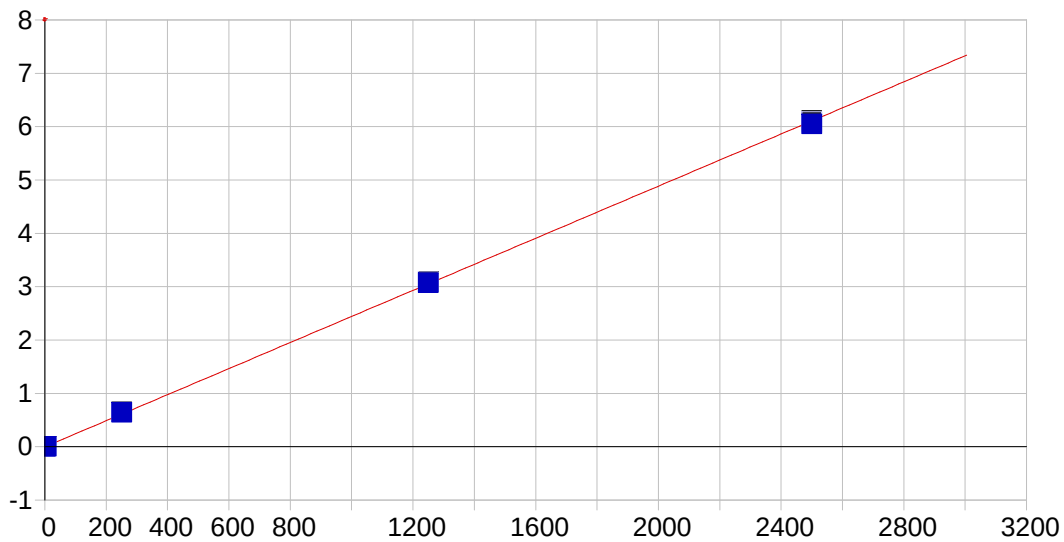


Be 313.042 {108}

Date of Fit: 11/4/2012 15:36:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000063 Re-Slope: 1.000000



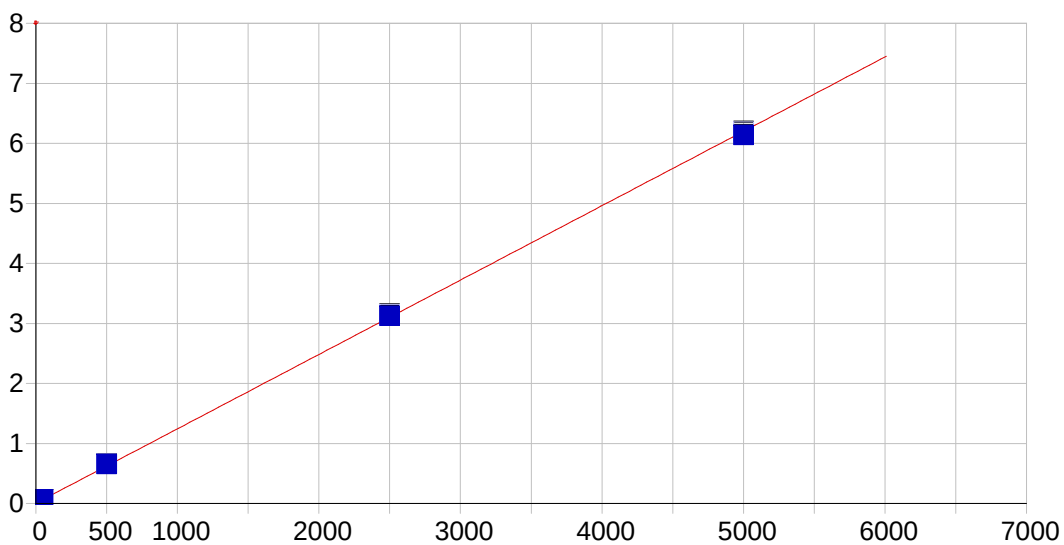


Cd 226.502 {449}

Date of Fit: 11/4/2012 15:36:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000961 Re-Slope: 1.000000
 A1 (Gain): 0.002443 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999873 Status: OK.
 Std Error of Est: 0.000202
 Predicted MDL: 0.173775
 Predicted MQL: 0.579251

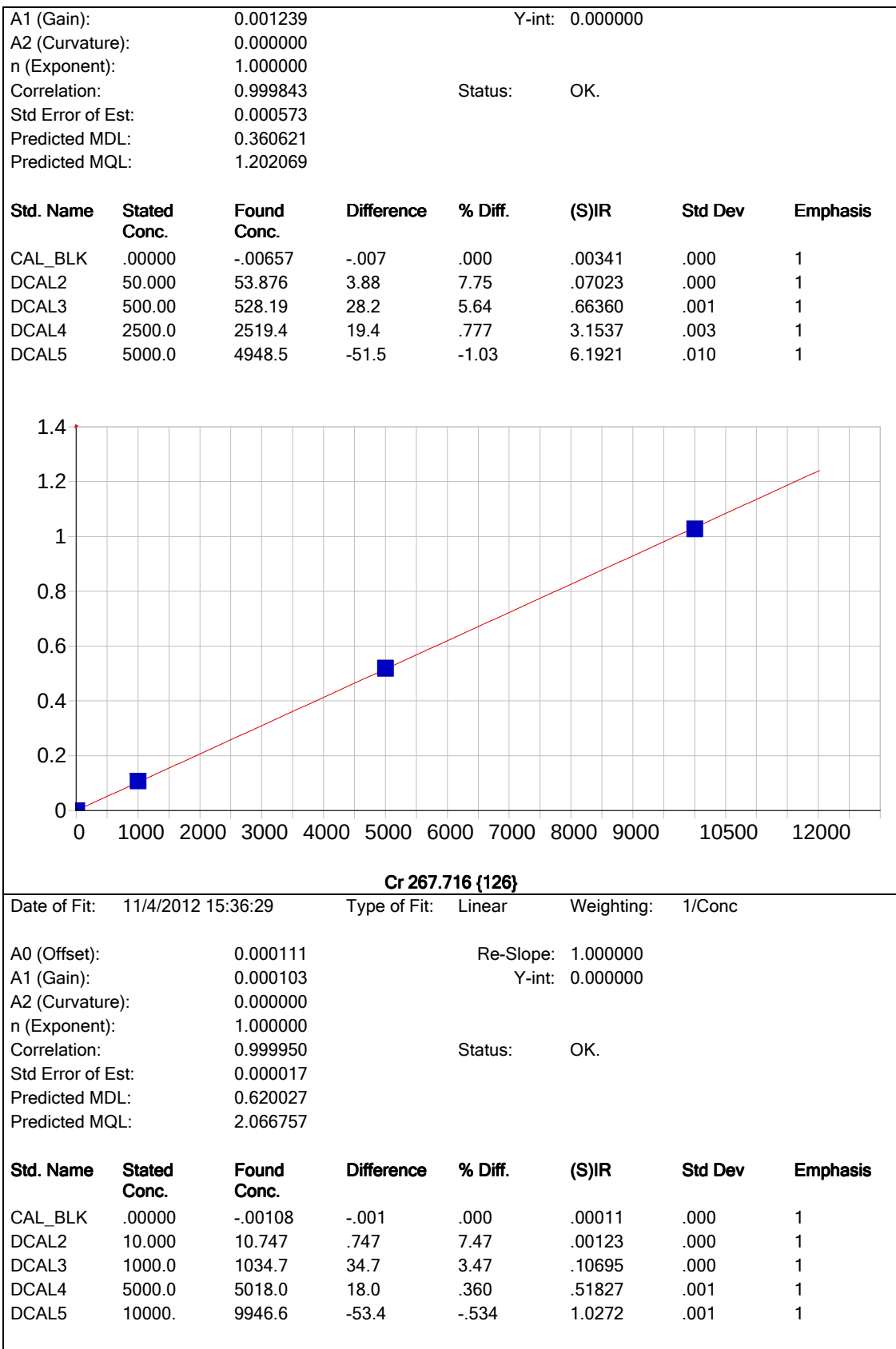
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00031	-.000	.000	-.00096	.000	1
DCAL2	4.0000	4.0957	.096	2.39	.00908	.000	1
DCAL3	250.00	263.86	13.9	5.54	.64778	.002	1
DCAL4	1250.0	1258.5	8.49	.679	3.0942	.003	1
DCAL5	2500.0	2477.6	-22.4	-.898	6.0931	.015	1

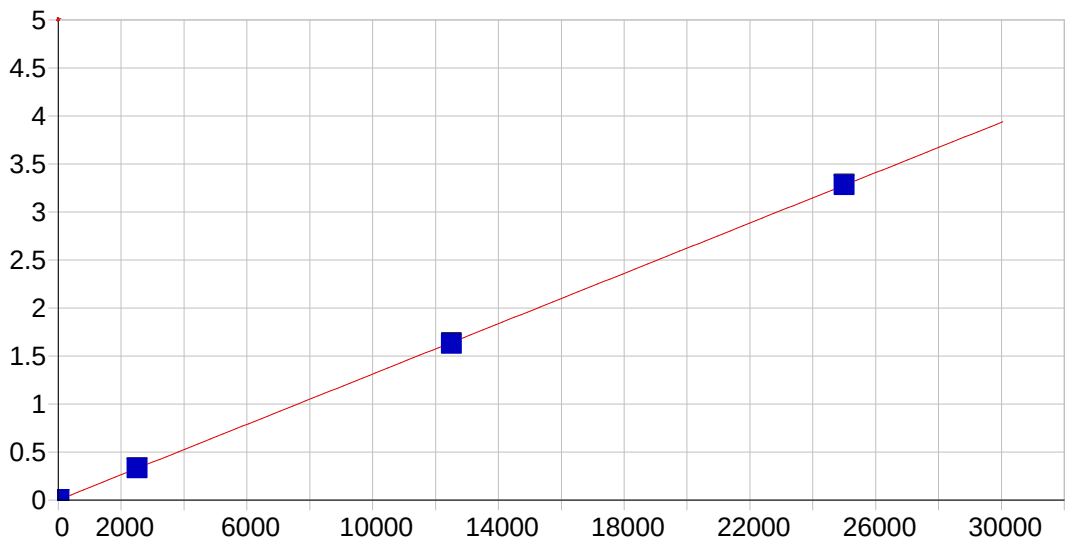


Co 228.616 {447}

Date of Fit: 11/4/2012 15:36:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003413 Re-Slope: 1.000000



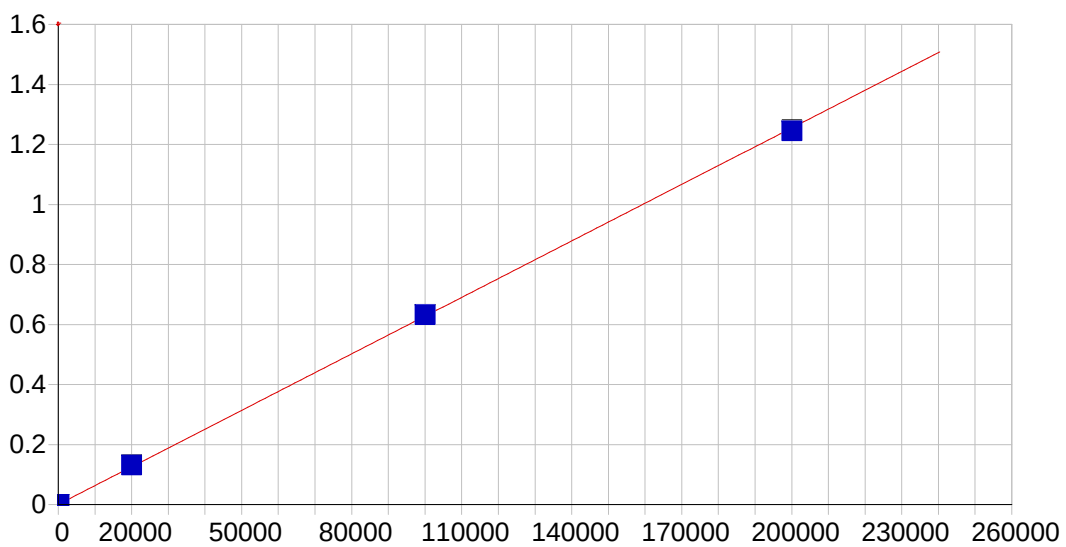


Cu 324.754 {104}

Date of Fit: 11/4/2012 15:36:29 Type of Fit: Linear Weighting: 1/Conc

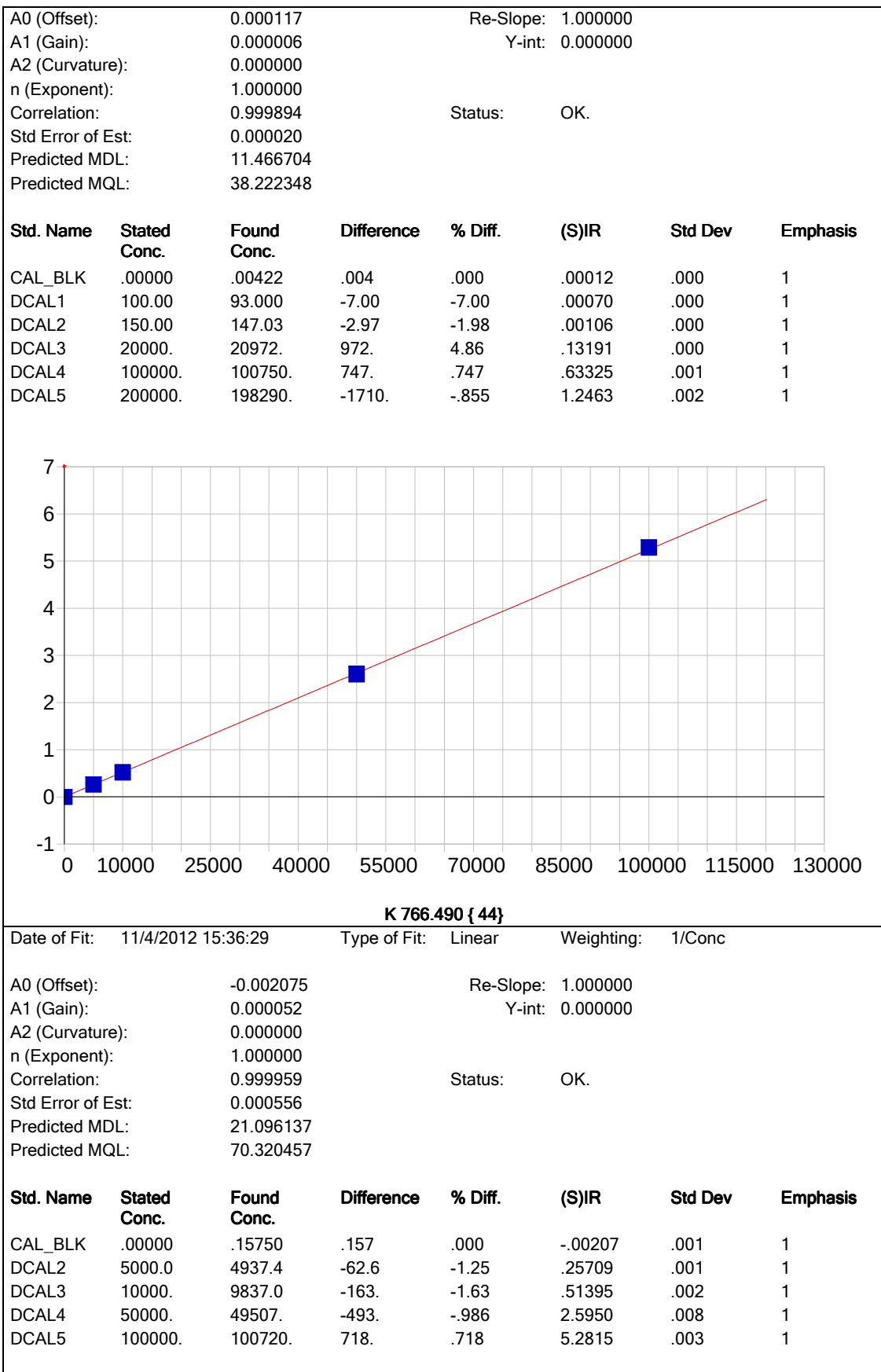
A0 (Offset): 0.001922 Re-Slope: 1.000000
 A1 (Gain): 0.000131 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999991 Status: OK.
 Std Error of Est: 0.000014
 Predicted MDL: 2.176396
 Predicted MQL: 7.254652

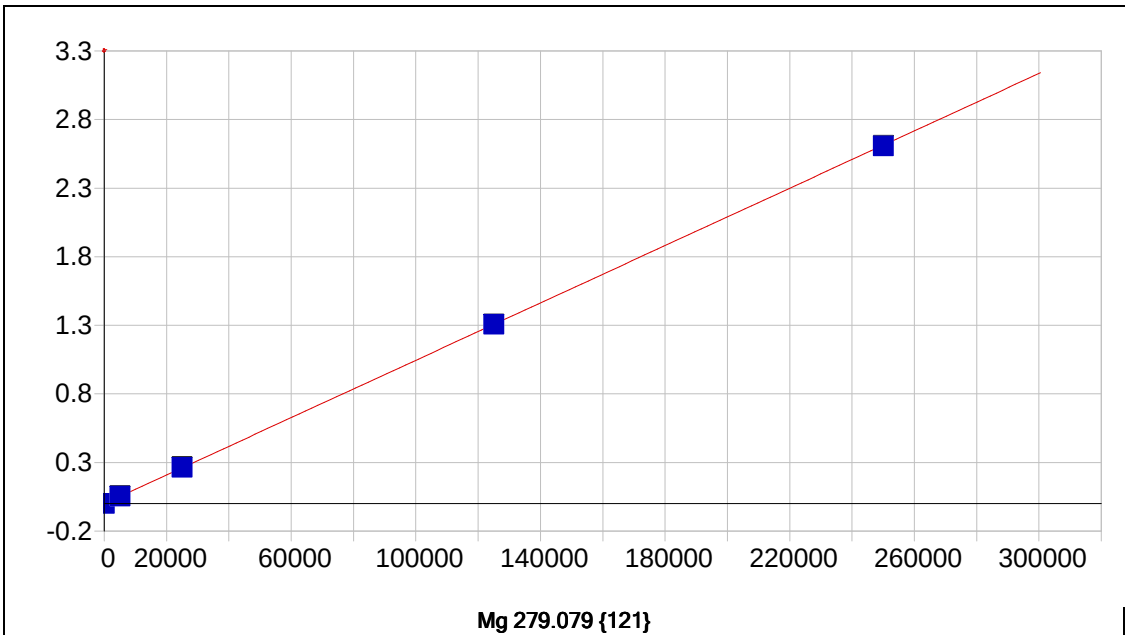
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00055	.001	.000	.00192	.000	1
DCAL1	10.000	9.3244	-.676	-6.76	.00314	.000	1
DCAL2	25.000	25.181	.181	.724	.00521	.000	1
DCAL3	2500.0	2522.4	22.4	.897	.33212	.000	1
DCAL4	12500.	12431.	-68.9	-.551	1.6292	.005	1
DCAL5	25000.	25047.	47.0	.188	3.2807	.005	1



Fe 271.441 {124}

Date of Fit: 11/4/2012 15:36:29 Type of Fit: Linear Weighting: 1/Conc

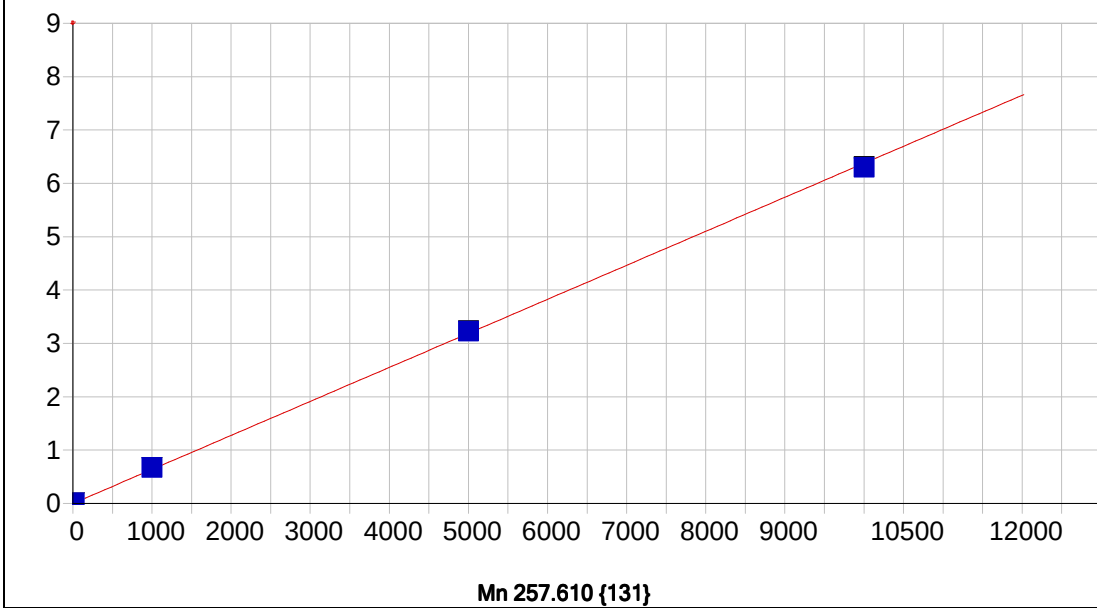




Date of Fit: 11/4/2012 15:36:29 Type of Fit: Linear Weighting: 1/Conc

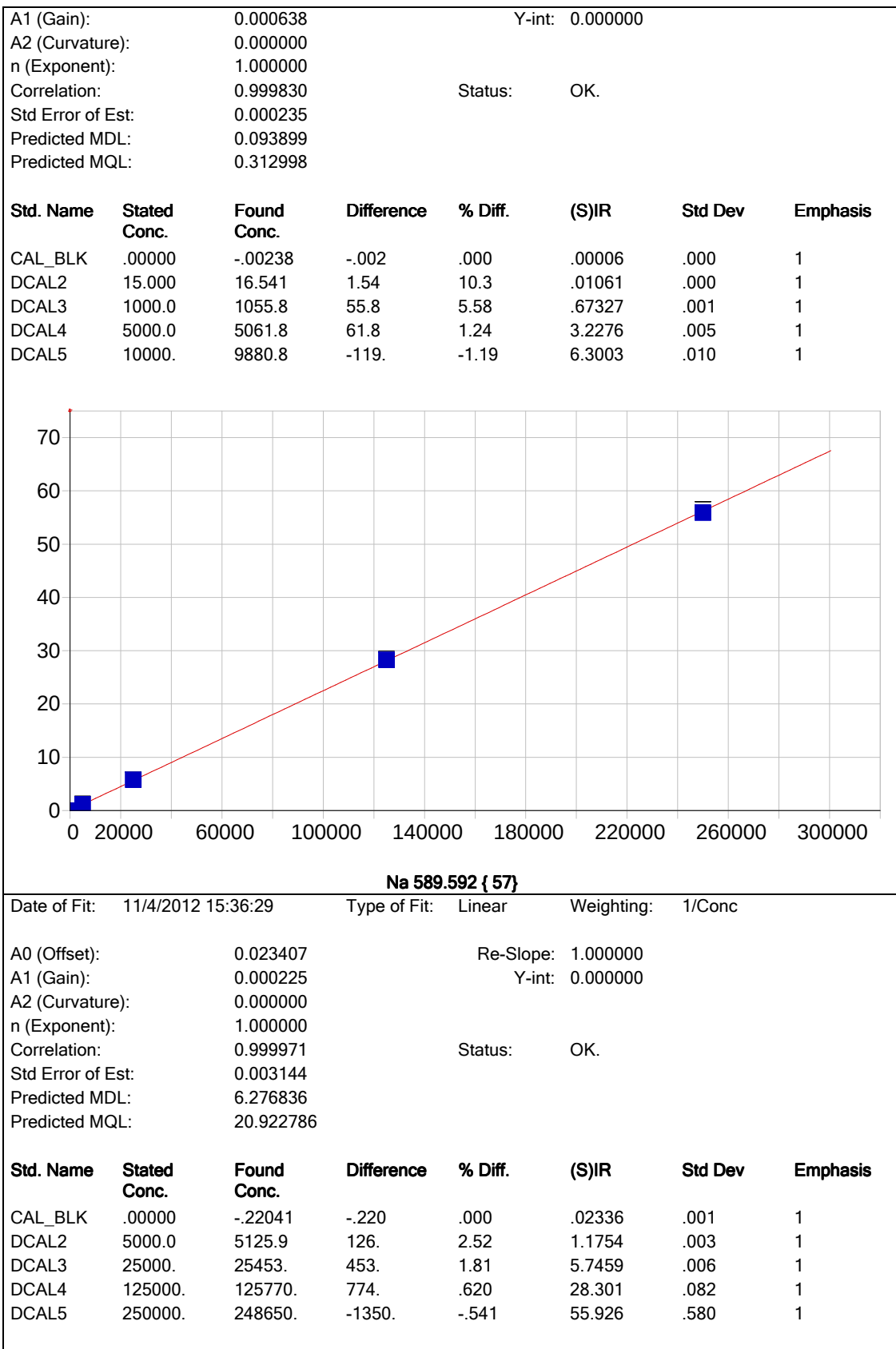
A0 (Offset): -0.000002 Re-Slope: 1.000000
 A1 (Gain): 0.000010 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999984 Status: OK.
 Std Error of Est: 0.000108
 Predicted MDL: 6.294294
 Predicted MQL: 20.980979

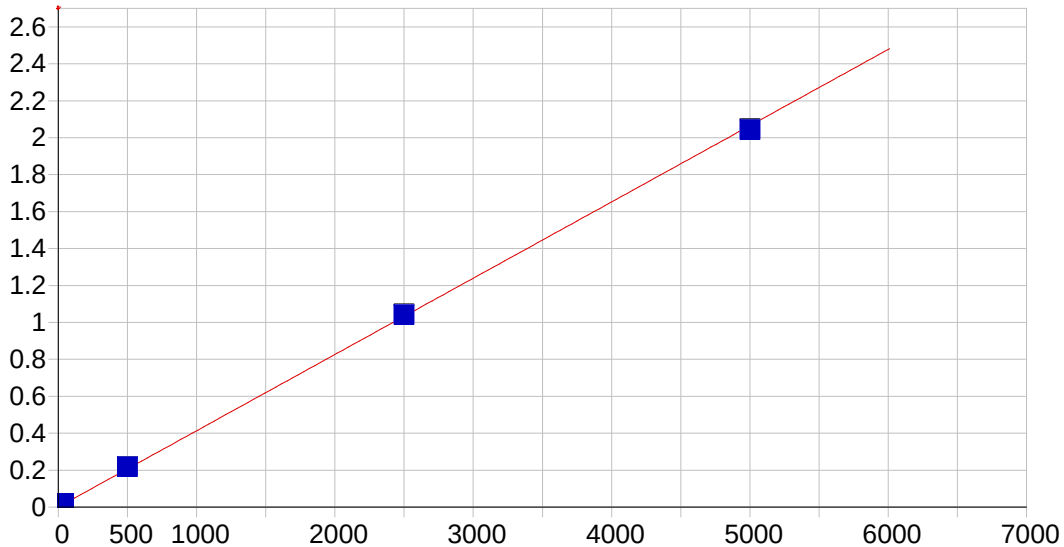
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.22812	-.228	.000	-.00000	.000	1
DCAL2	5000.0	5159.5	159.	3.19	.05392	.000	1
DCAL3	25000.	25398.	398.	1.59	.26539	.001	1
DCAL4	125000.	125010.	10.3	.008	1.3062	.001	1
DCAL5	250000.	249430.	-568.	-.227	2.6063	.004	1



Date of Fit: 11/4/2012 15:36:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000062 Re-Slope: 1.000000



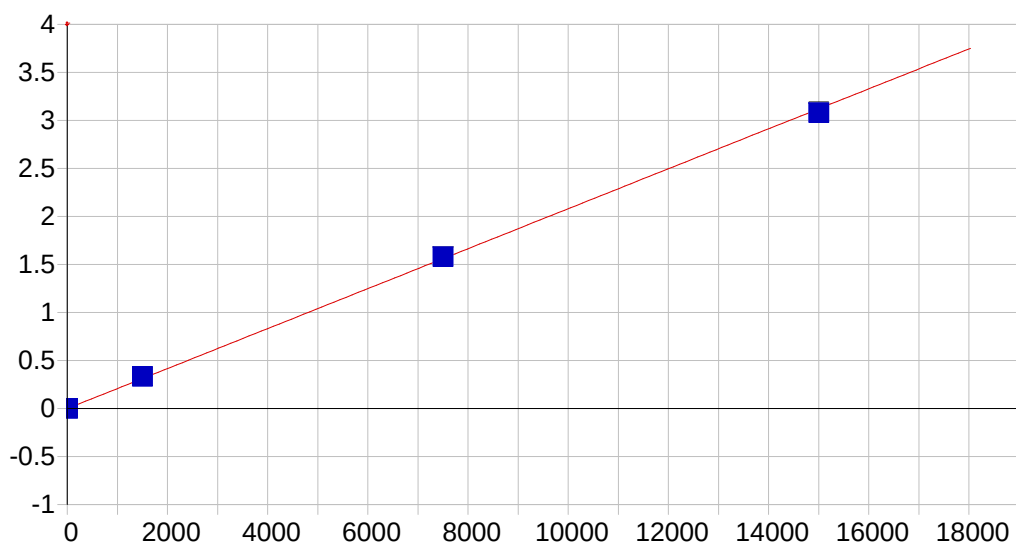


Ni 231.604 {446}

Date of Fit: 11/4/2012 15:36:29 Type of Fit: Linear Weighting: 1/Conc

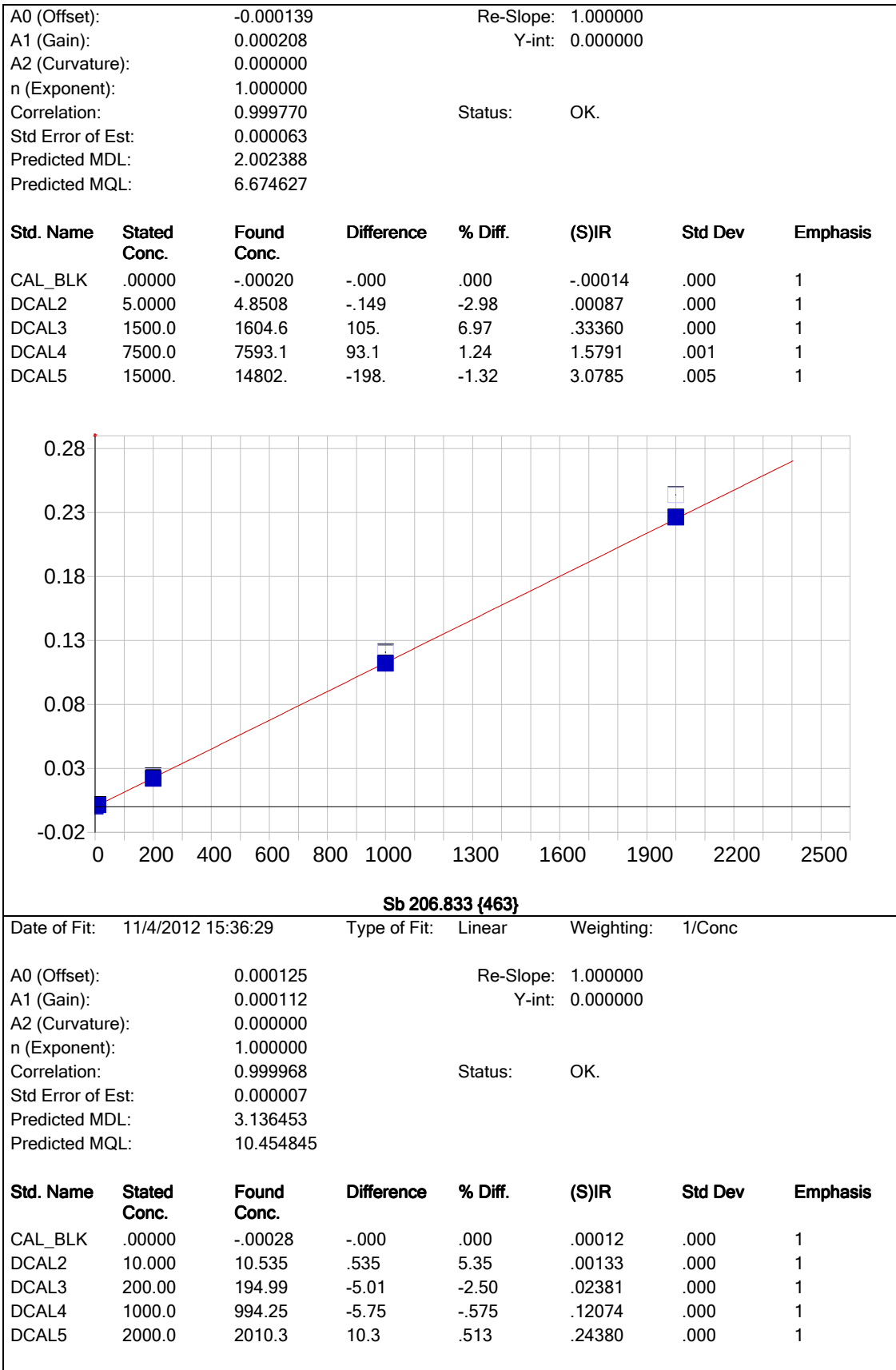
A0 (Offset): 0.000408 Re-Slope: 1.000000
 A1 (Gain): 0.000413 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999841 Status: OK.
 Std Error of Est: 0.000081
 Predicted MDL: 0.923083
 Predicted MQL: 3.076943

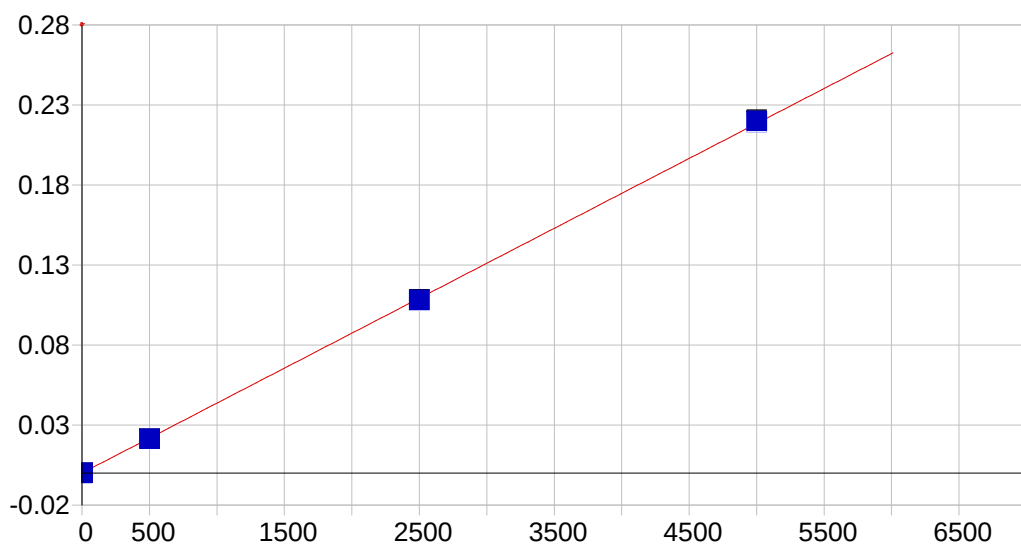
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00222	-.002	.000	.00041	.000	1
DCAL1	10.000	10.816	.816	8.16	.00488	.000	1
DCAL2	40.000	43.533	3.53	8.83	.01839	.000	1
DCAL3	500.00	527.31	27.3	5.46	.21851	.001	1
DCAL4	2500.0	2520.2	20.2	.809	1.0429	.002	1
DCAL5	5000.0	4948.1	-51.9	-1.04	2.0472	.003	1



Pb 220.353 {453}

Date of Fit: 11/4/2012 15:36:29 Type of Fit: Linear Weighting: 1/Conc



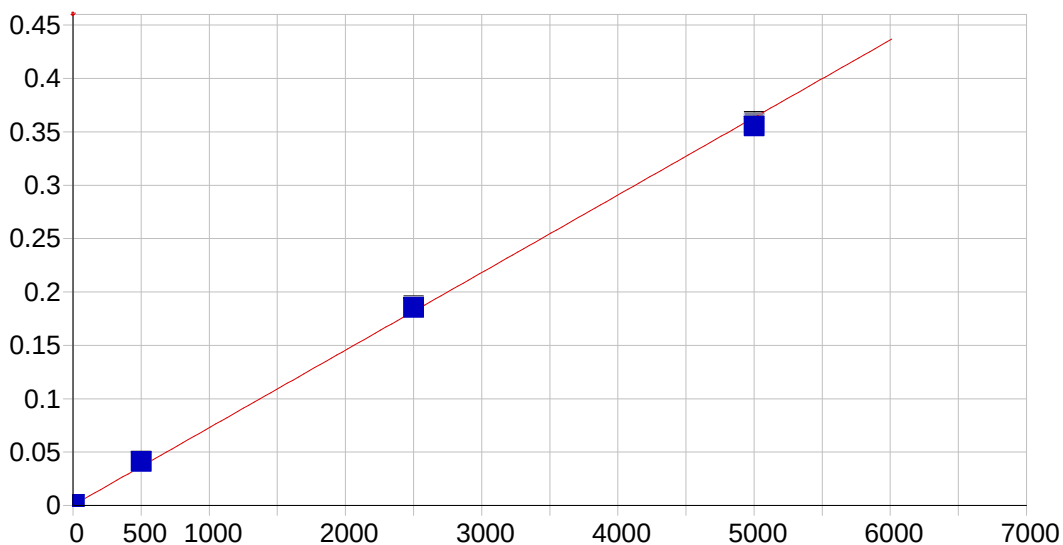


Se 196.090 {472}

Date of Fit: 11/4/2012 15:36:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000030 Re-Slope: 1.000000
 A1 (Gain): 0.000044 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999943 Status: OK.
 Std Error of Est: 0.000004
 Predicted MDL: 5.141191
 Predicted MQL: 17.137303

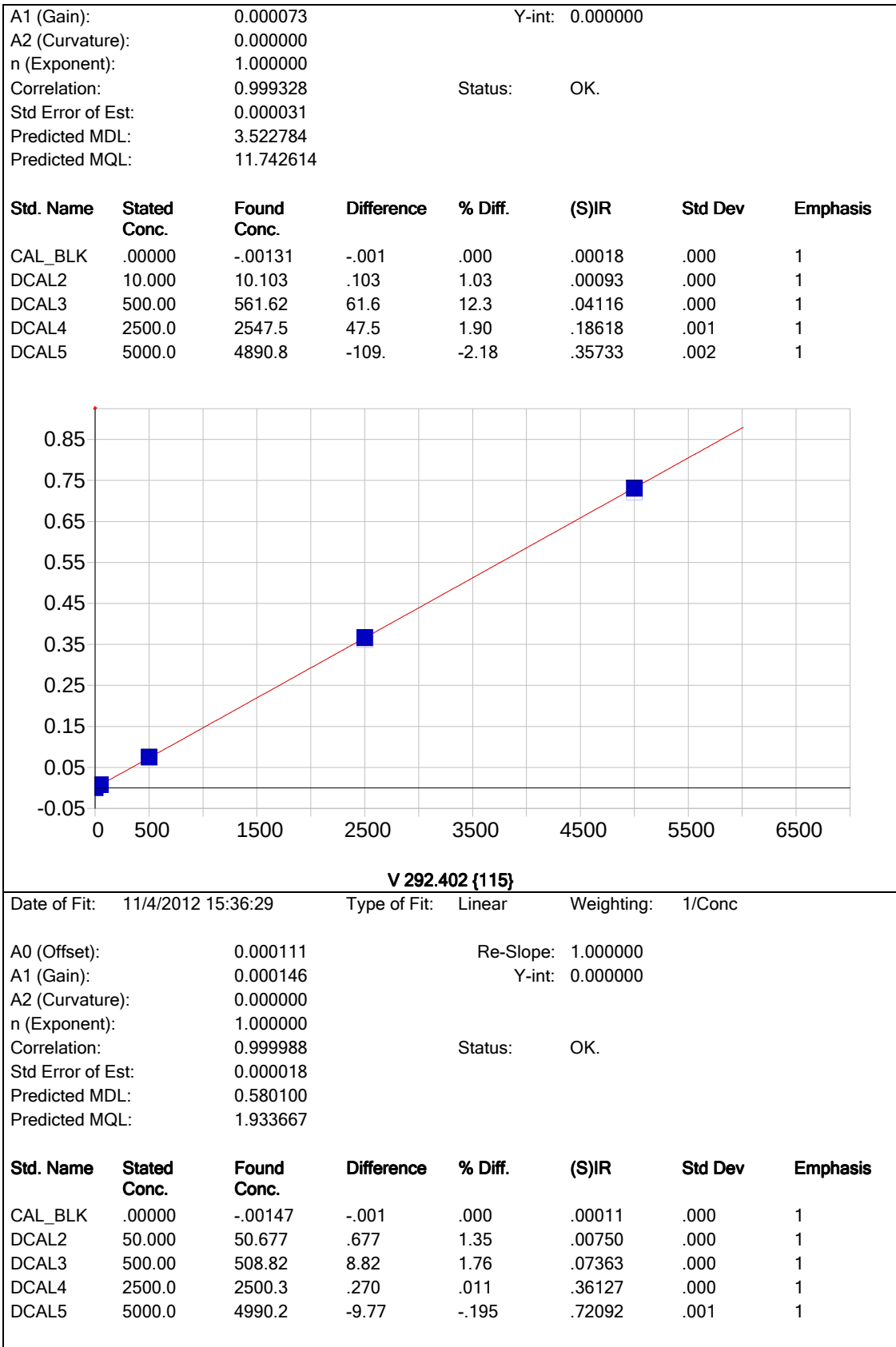
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00120	.001	.000	.00003	.000	1
DCAL2	5.0000	3.9092	-1.09	-21.8	.00019	.000	1
DCAL3	500.00	490.47	-9.53	-1.91	.02134	.000	1
DCAL4	2500.0	2475.5	-24.5	-.978	.10757	.000	1
DCAL5	5000.0	5035.0	35.0	.701	.21877	.001	1

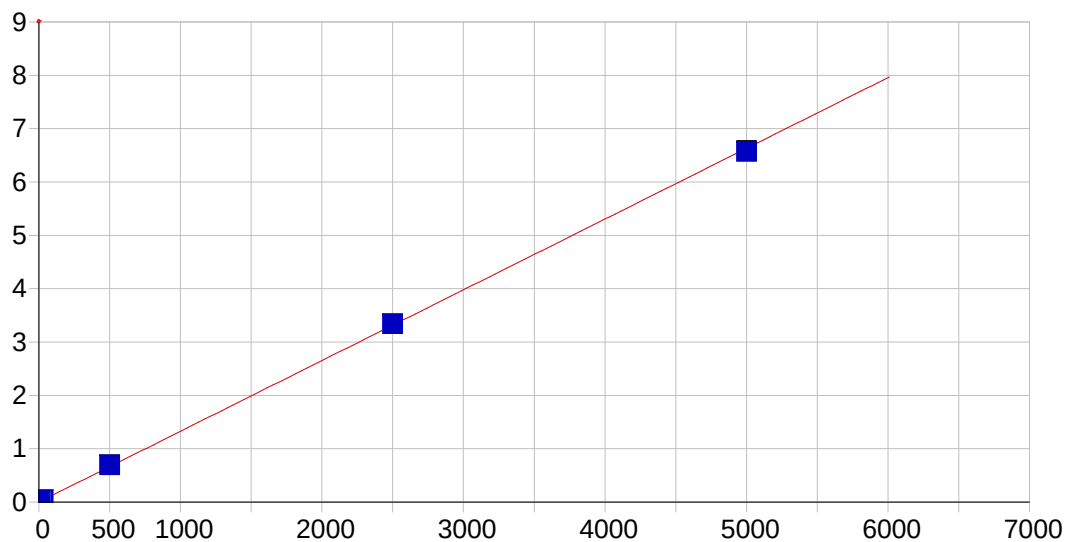


TI 190.856 {477}

Date of Fit: 11/4/2012 15:36:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000178 Re-Slope: 1.000000



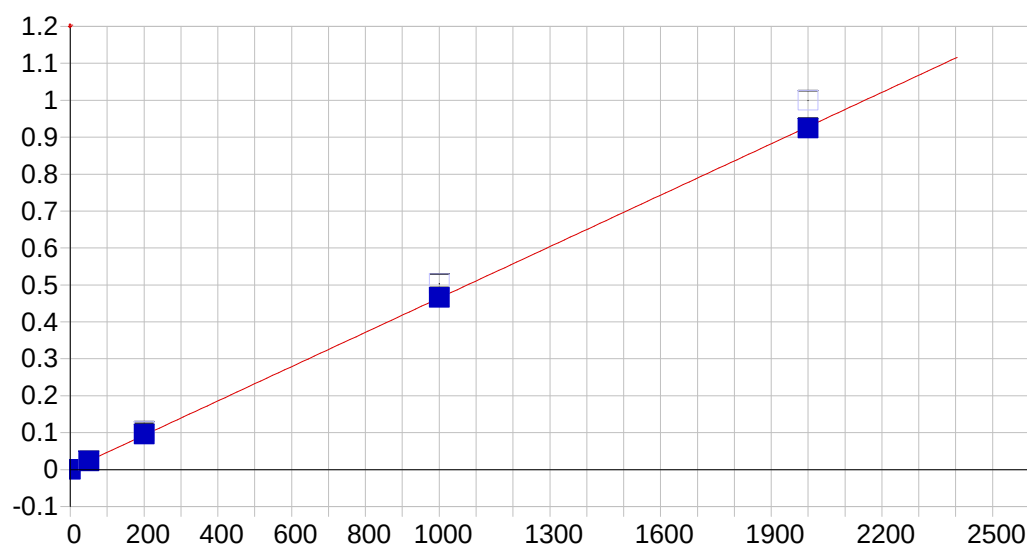


Zn 206.200 {463}

Date of Fit: 11/4/2012 15:36:29 Type of Fit: Linear Weighting: 1/Conc

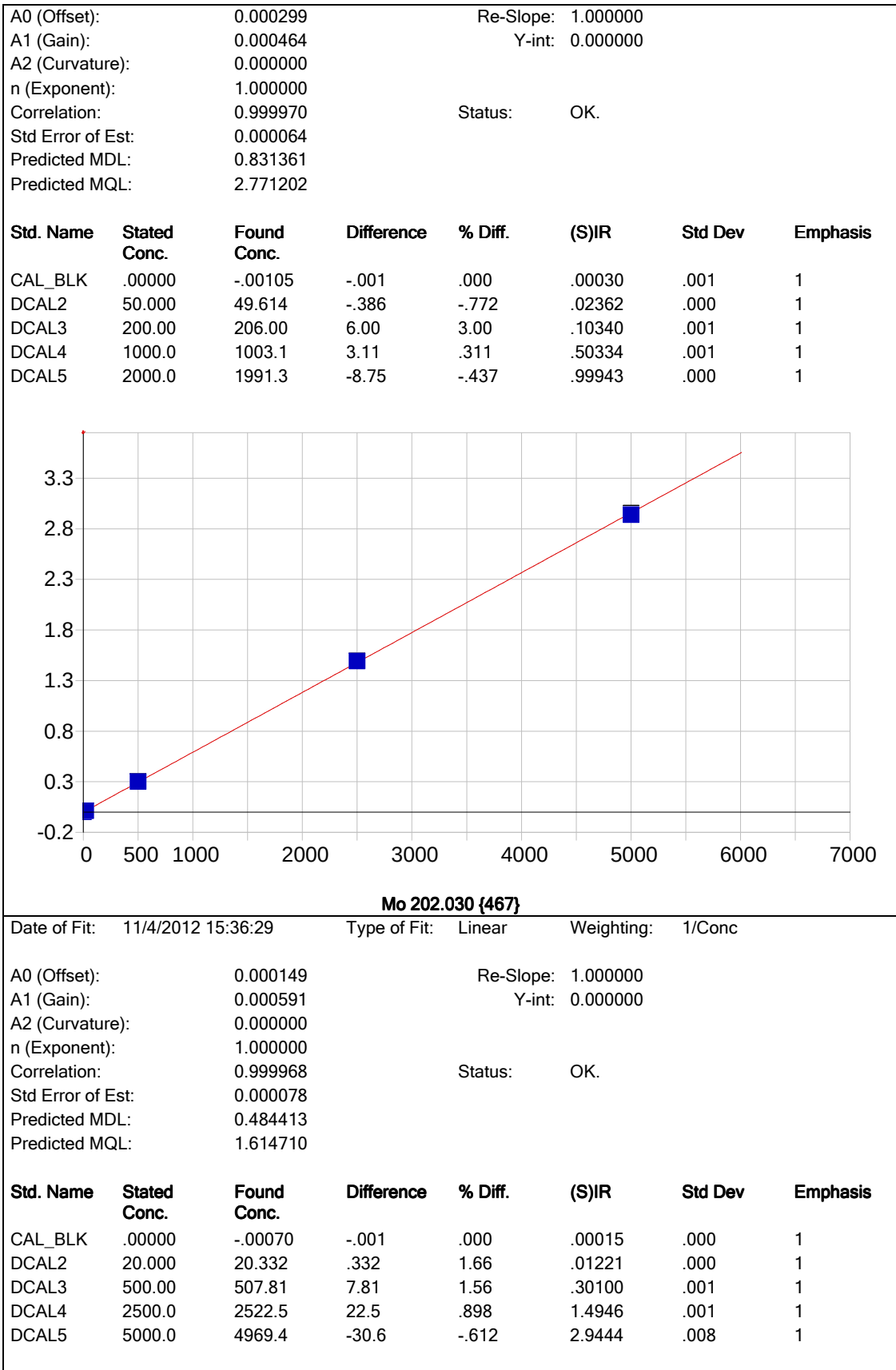
A0 (Offset): 0.000838 Re-Slope: 1.000000
 A1 (Gain): 0.001326 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999881 Status: OK.
 Std Error of Est: 0.000224
 Predicted MDL: 0.251462
 Predicted MQL: 0.838207

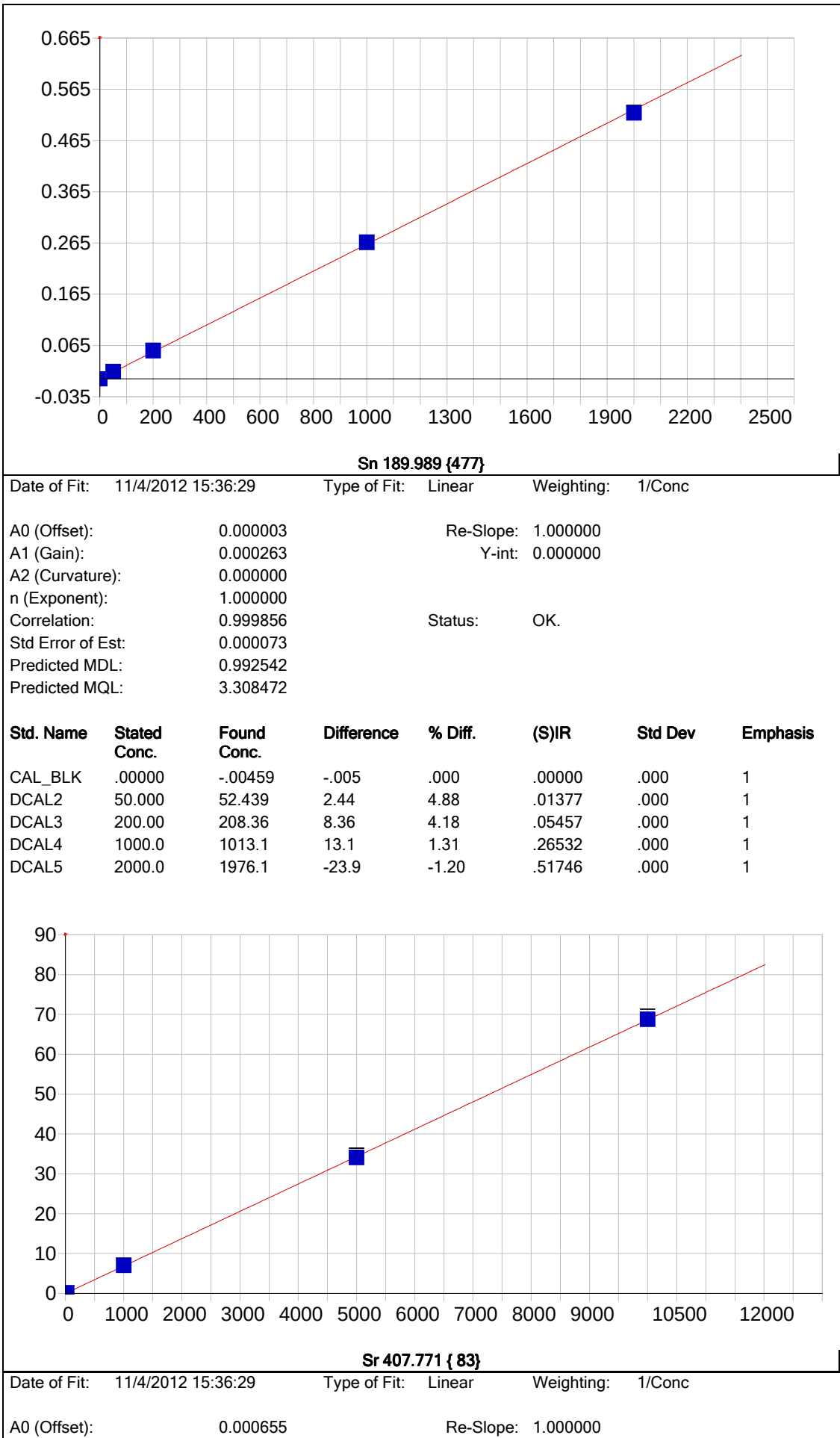
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00164	-.002	.000	.00084	.000	1
DCAL2	30.000	32.164	2.16	7.21	.04349	.000	1
DCAL3	500.00	524.37	24.4	4.87	.69631	.002	1
DCAL4	2500.0	2518.4	18.4	.735	3.3410	.003	1
DCAL5	5000.0	4954.6	-45.4	-.907	6.5723	.010	1
DCAL1	10.000	10.445	.445	4.45	.01469	.000	1

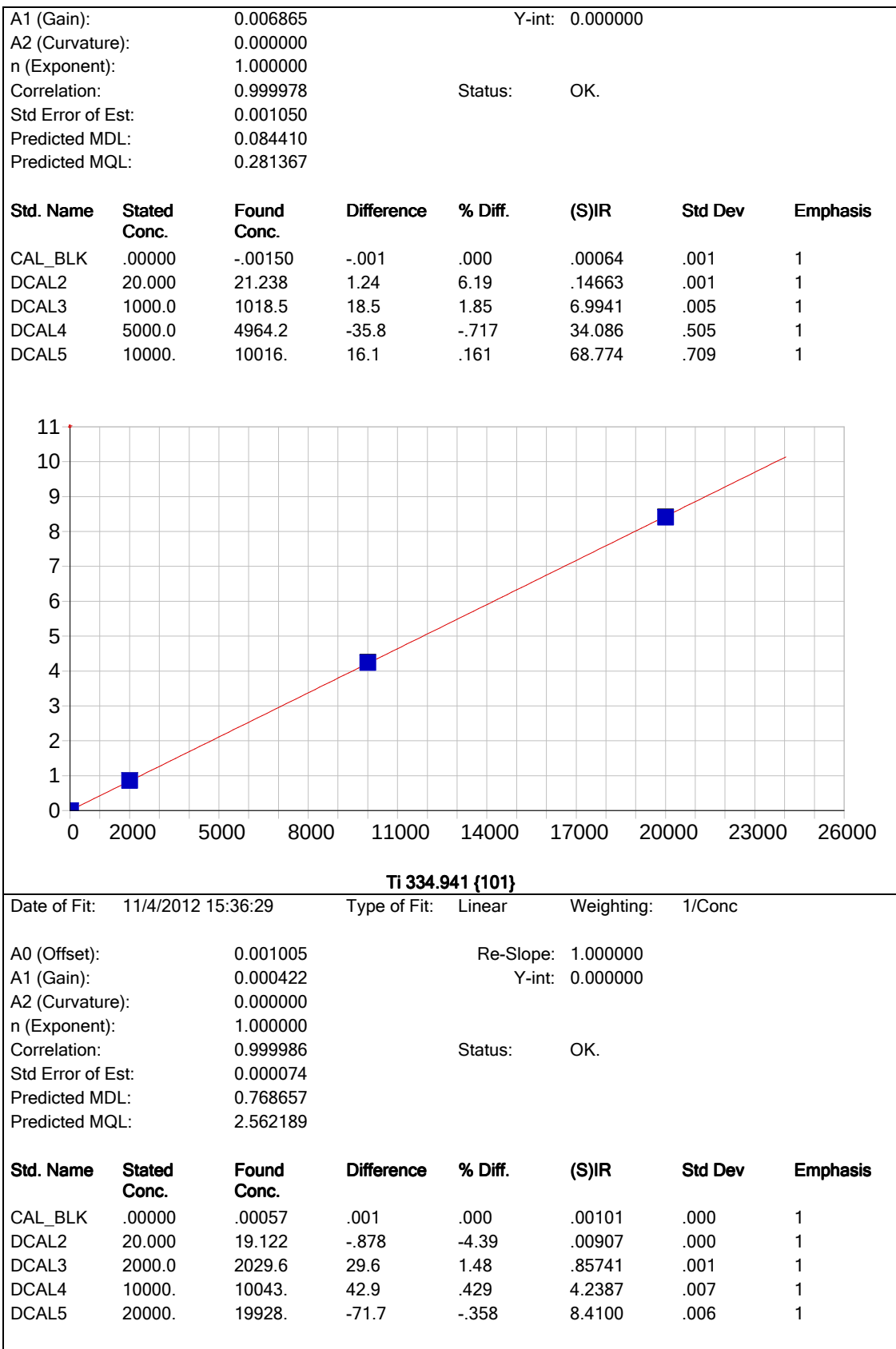


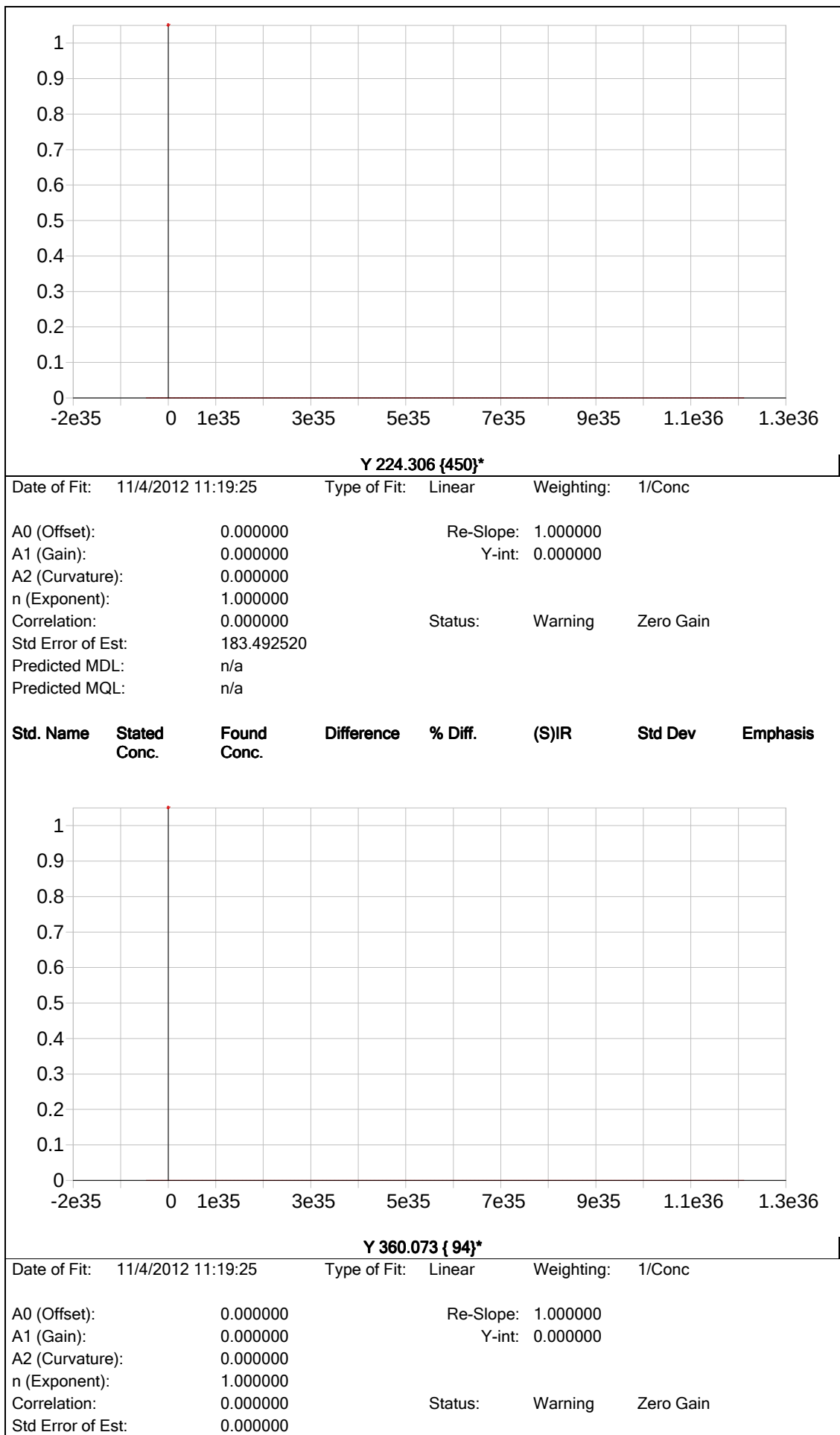
B 208.959 {461}

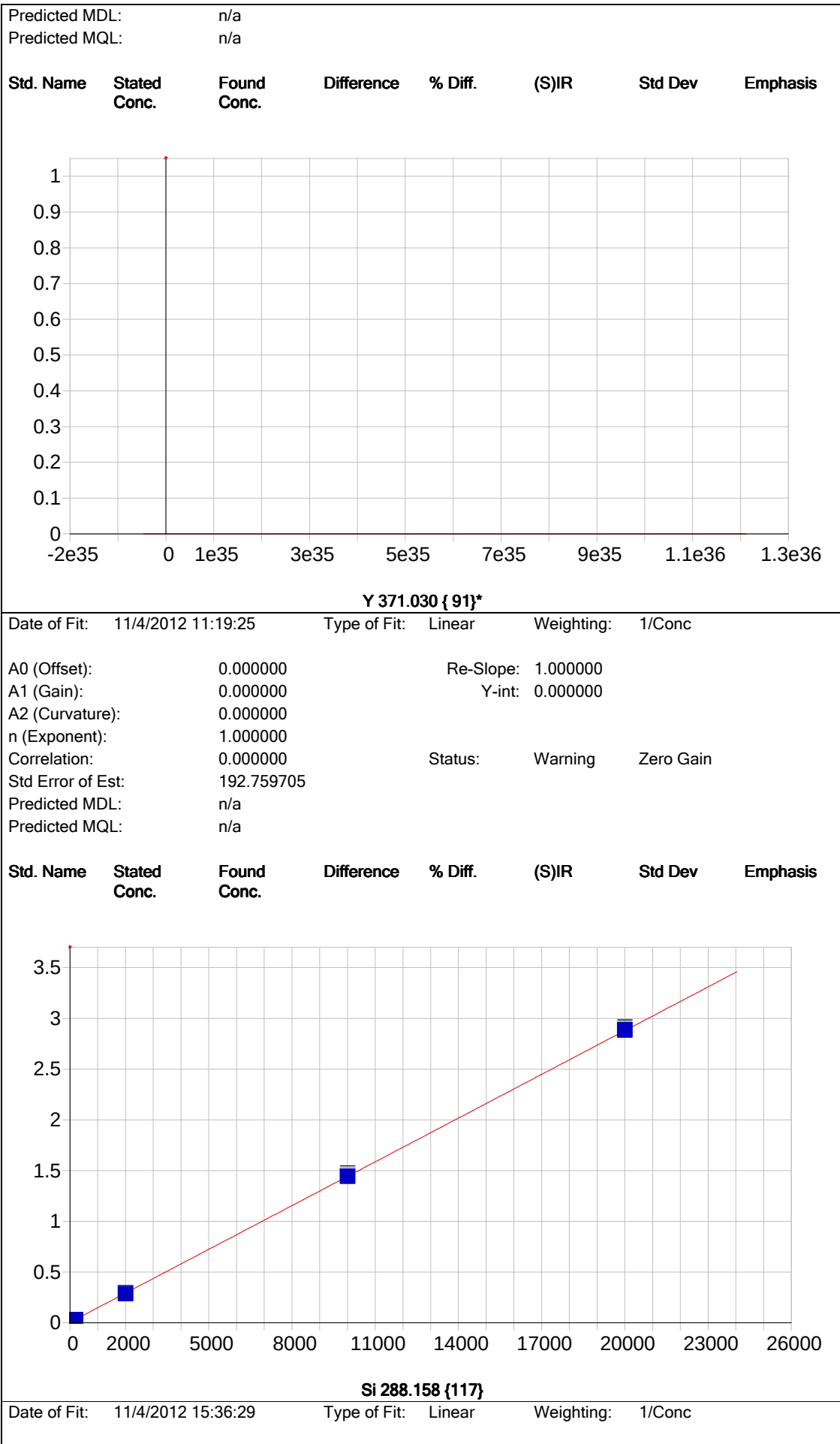
Date of Fit: 11/4/2012 15:36:29 Type of Fit: Linear Weighting: 1/Conc











A0 (Offset):	0.005017	Re-Slope:	1.000000
A1 (Gain):	0.000144	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999953	Status:	OK.
Std Error of Est:	0.000145		
Predicted MDL:	11.310932		
Predicted MQL:	37.703106		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.02458	.025	.000	.00502	.001	1
DCAL2	200.00	178.06	-21.9	-11.0	.03063	.001	1
DCAL3	2000.0	1966.8	-33.2	-1.66	.29021	.004	1
DCAL4	10000.	10012.	12.3	.123	1.4566	.016	1
DCAL5	20000.	20043.	42.6	.213	2.9108	.004	1

Sample Name: CAL_BLK Acquired: 11/4/2012 15:14:49 Type: Cal
Method: SW846_103112(v12) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0009	-.0003	-.0001	-.0001	.0001	.0007
Stddev	.0004	.0002	.0001	.0004	.0002	.0002
%RSD	39.54	78.50	123.5	309.1	319.0	28.37

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0010	.0034	.0001	.0019	.0001	-.0021
Stddev	.0002	.0005	.0000	.0002	.0000	.0006
%RSD	22.13	14.49	32.35	10.44	25.06	30.95

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0000	.0001	.0234	.0004	-.0001	.0001
Stddev	.0000	.0000	.0007	.0003	.0000	.0002
%RSD	699.3	46.50	2.913	62.73	20.53	122.9

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	.0002	.0001	.0008	.0003	.0001
Stddev	.0001	.0002	.0001	.0002	.0005	.0002
%RSD	235.5	90.62	102.7	28.87	168.4	159.8

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	.0006	.0010	.0050
Stddev	.0001	.0006	.0003	.0009
%RSD	4081.	96.11	33.83	17.45

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1643.3	38175.	11384.
Stddev	3.9	11.	39.
%RSD	.23518	.02856	.34671

Sample Name: DCAL1 Acquired: 11/4/2012 15:18:32 Type: Cal
 Method: SW846_103112(v12) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Cu3247	Fe2714	Ni2316	Zn2062
Line	324.754 {104}	271.441 {124}	231.604 {446}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0031	.0007	.0049	.0147
Stddev	.0003	.0000	.0001	.0003
%RSD	8.518	.1336	1.604	1.940

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1647.9	38215.	11349.
Stddev	3.1	54.	62.
%RSD	.18906	.14148	.55026

Sample Name: DCAL2 Acquired: 11/4/2012 15:22:15 Type: Cal
Method: SW846_103112(v12) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0101	.0005	.0014	.1887	.0091	.3680
Stddev	.0001	.0002	.0001	.0004	.0003	.0008
%RSD	1.131	48.51	4.071	.2181	3.749	.2075

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0091	.0702	.0012	.0052	.0011	.2571
Stddev	.0004	.0003	.0000	.0003	.0001	.0009
%RSD	4.046	.3845	3.391	6.024	8.448	.3457

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0539	.0106	1.175	.0184	.0009	.0013
Stddev	.0003	.0001	.003	.0001	.0003	.0003
%RSD	.5030	.8664	.2823	.4062	35.59	19.00

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	.0009	.0075	.0435	.0236	.0122
Stddev	.0001	.0003	.0001	.0005	.0002	.0004
%RSD	54.53	32.24	.8030	1.090	.9400	3.320

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0138	.1466	.0091	.0306
Stddev	.0002	.0008	.0003	.0007
%RSD	1.728	.5533	2.992	2.426

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1638.3	37838.	11356.
Stddev	2.4	58.	22.
%RSD	.14583	.15385	.19306

Sample Name: DCAL3 Acquired: 11/4/2012 15:25:57 Type: Cal
Method: SW846_103112(v12) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.456	.0455	.0358	1.860	.8678	1.803
Stddev	.000	.0002	.0003	.002	.0009	.001
%RSD	.0255	.5434	.7324	.0916	.1065	.0315

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.6478	.6636	.1070	.3321	.1319	.5140
Stddev	.0015	.0007	.0003	.0003	.0001	.0024
%RSD	.2387	.1040	.3184	.0758	.0400	.4606

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2654	.6733	5.746	.2185	.3336	.0238
Stddev	.0007	.0008	.006	.0006	.0002	.0003
%RSD	.2475	.1238	.1032	.2533	.0565	1.409

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0213	.0412	.0736	.6963	.1034	.3010
Stddev	.0002	.0002	.0003	.0020	.0006	.0010
%RSD	.9372	.5919	.4304	.2925	.6063	.3348

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0546	6.994	.8574	.2902
Stddev	.0005	.005	.0007	.0042
%RSD	.8255	.0733	.0839	1.461

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1591.8	36476.	11224.
Stddev	.7	72.	64.
%RSD	.04332	.19671	.56890

Sample Name: DCAL4 Acquired: 11/4/2012 15:29:25 Type: Cal
Method: SW846_103112(v12) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.309	.2277	.1827	8.854	4.235	8.759
Stddev	.025	.0008	.0001	.006	.009	.027
%RSD	.3364	.3713	.0821	.0687	.2040	.3039

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.094	3.154	.5183	1.629	.6333	2.595
Stddev	.003	.003	.0007	.005	.0008	.008
%RSD	.0910	.1044	.1341	.3260	.1266	.3256

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.306	3.228	28.30	1.043	1.579	.1207
Stddev	.001	.005	.08	.002	.001	.0004
%RSD	.0684	.1474	.2886	.1750	.0569	.3378

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1076	.1862	.3613	3.341	.5033	1.495
Stddev	.0003	.0007	.0005	.003	.0010	.001
%RSD	.2994	.3834	.1271	.0855	.2034	.0625

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2653	34.09	4.239	1.457
Stddev	.0004	.50	.007	.016
%RSD	.1638	1.480	.1649	1.115

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1495.9	34316.	11135.
Stddev	.6	23.	40.
%RSD	.04263	.06716	.35536

Sample Name: DCAL5 Acquired: 11/4/2012 15:32:57 Type: Cal
Method: SW846_103112(v12) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	14.81	.4663	.3768	17.29	8.426	16.73
Stddev	.02	.0006	.0011	.03	.010	.04
%RSD	.1251	.1368	.2823	.1799	.1200	.2216

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.093	6.192	1.027	3.281	1.246	5.281
Stddev	.015	.010	.002	.005	.002	.003
%RSD	.2441	.1626	.1424	.1526	.1796	.0595

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.606	6.300	55.93	2.047	3.079	.2438
Stddev	.004	.009	.58	.003	.005	.0002
%RSD	.1613	.1512	1.038	.1347	.1783	.0964

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2188	.3573	.7209	6.572	.9994	2.944
Stddev	.0007	.0021	.0010	.011	.0001	.008
%RSD	.3232	.5867	.1377	.1597	.0090	.2674

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5175	68.77	8.410	2.911
Stddev	.0005	.71	.006	.004
%RSD	.0958	1.031	.0675	.1235

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1413.1	32563.	10823.
Stddev	3.0	103.	35.
%RSD	.21529	.31676	.32275

Sample Name: CCV Acquired: 11/4/2012 15:36:34 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124700.	2475.	1229.	10100.	1001.	129300.
Stddev	13.	8.	.	7.	1.	32.
%RSD	.0103	.3350	.0317	.0734	.1243	.0245

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1258.	2517.	5061.	12470.	100900.	49840.
Stddev	1.	3.	10.	11.	208.	66.
%RSD	.0474	.1284	.1994	.0864	.2063	.1320

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125900.	5112.	126000.	2546.	7667.	985.0
Stddev	293.	8.	84.	3.	8.	.2
%RSD	.2327	.1545	.0667	.1165	.1022	.0244

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2439.	2539.	2502.	2515.	987.6	2497.
Stddev	5.	8.	4.	1.	2.1	4.
%RSD	.2177	.3219	.1532	.0552	.2108	.1475

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/4/2012 15:36:34 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1004.	4996.	10020.	9992.
Stddev	1.	76.	7.	107.
%RSD	.0949	1.514	.0719	1.067

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1492.9	34019.	10911.
Stddev	2.3	78.	26.
%RSD	.15158	.23033	.24021

Sample Name: CCB Acquired: 11/4/2012 15:40:07 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.178	3.097	-.0538	.9891	.1011	20.96
Stddev	7.934	1.849	.1168	.4118	.0725	13.84
%RSD	364.3	59.70	217.3	41.63	71.73	66.04

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0038	.4282	.1270	1.465	13.14	75.35
Stddev	.1045	.2214	.7584	3.403	4.21	33.80
%RSD	2762.	51.70	596.9	232.3	32.04	44.85

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.33	.6838	29.28	-.1900	.0277	2.302
Stddev	7.28	.3561	28.58	.2565	1.674	1.018
%RSD	42.04	52.08	97.62	135.0	6042.	44.20

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9164	3.420	.3114	.6417	2.318	3.566
Stddev	3.407	.750	.6683	.1991	.318	.588
%RSD	371.8	21.93	214.6	31.02	13.72	16.48

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/4/2012 15:40:07 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5747	.6648	2.350	6.417
Stddev	1.036	.3320	.335	19.37
%RSD	180.2	49.94	14.27	301.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1637.8	37703.	10994.
Stddev	3.3	81.	30.
%RSD	.20335	.21385	.26883

Sample Name: IC5A 1817744 Acquired: 11/4/2012 15:43:50 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	497800.	3.555	-1.406	-2.421	-.0807	434500.
Stddev	2883.	6.766	.208	.093	.0105	2650.
%RSD	.5791	190.3	14.83	3.838	13.04	.6100

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0625	-.4490	1.769	.3662	196000.	87.06
Stddev	.2136	.1089	.496	2.278	390.	26.71
%RSD	341.8	24.26	28.03	622.2	.1989	30.68

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	502600.	1.776	27.84	-3.103	-.8620	-7.870
Stddev	2129.	.154	25.20	.567	1.182	4.513
%RSD	.4236	8.688	90.52	18.26	137.1	57.34

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4020	-2.767	-.6399	-1.002	-1.460	-.8132
Stddev	9.609	4.003	.6912	.147	.143	.7791
%RSD	2390.	144.6	108.0	14.65	9.776	95.81

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSEA 1817744 Acquired: 11/4/2012 15:43:50 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-2.984	.0862	1.328	-9.377
Stddev	2.361	.0053	.073	13.69
%RSD	79.11	6.141	5.464	146.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1430.5	32063.	10729.
Stddev	.9	120.	141.
%RSD	.05953	.37404	1.3115

Sample Name: ICSAB 1818548 Acquired: 11/4/2012 15:47:49 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	493800.	98.10	99.63	94.36	94.84	431800.
Stddev	5800.	6.50	.35	.05	.35	6273.
%RSD	1.175	6.624	.3520	.0537	.3688	1.453

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	94.31	92.34	97.03	94.36	195900.	10260.
Stddev	.32	.33	.84	3.96	1398.	30.
%RSD	.3401	.3523	.8677	4.195	.7136	.2884

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	497400.	99.43	10420.	89.70	88.34	86.81
Stddev	6339.	.57	39.	.90	1.76	4.06
%RSD	1.275	.5713	.3757	1.007	1.996	4.675

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	95.68	91.96	94.04	90.38	92.49	93.42
Stddev	17.74	.96	.44	.45	1.78	.81
%RSD	18.54	1.046	.4674	.5021	1.925	.8620

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 1818548 Acquired: 11/4/2012 15:47:49 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	87.46	96.88	95.70	51.16
Stddev	1.65	.44	.40	14.59
%RSD	1.891	.4505	.4215	28.52

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1425.6	32442.	11035.
Stddev	7.9	344.	276.
%RSD	.55669	1.0598	2.5053

Sample Name: INT-10 1790436 Acquired: 11/4/2012 15:51:44 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	91.12	7.622	-.7312	.2269	.4617	66.06
Stddev	37.81	1.771	.6899	.2100	.0622	37.36
%RSD	41.50	23.24	94.35	92.56	13.46	56.55

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.448	10740.	10080.	-5.554	-16.13	63.75
Stddev	.125	8.	4.	1.579	11.61	6.50
%RSD	8.628	.0743	.0417	28.42	72.00	10.20

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-54.60	10310.	9.549	10890.	-2.581	-2.503
Stddev	36.39	12.	16.14	21.	1.069	3.395
%RSD	66.66	.1146	169.0	.1887	41.42	135.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.415	-15.28	4926.	-2.423	19.16	4985.
Stddev	3.714	2.01	3.	.317	1.67	7.
%RSD	68.58	13.15	.0615	13.09	8.690	.1358

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10 1790436 Acquired: 11/4/2012 15:51:44 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10440.	9925.	9432.	10470.
Stddev	11.	106.	10.	869.
%RSD	.1093	1.071	.1027	8.302

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1618.1	37623.	11053.
Stddev	1.3	120.	33.
%RSD	.08052	.31925	.30046

Sample Name: 460-46598-i-1-c du Acquired: 11/4/2012 15:55:26 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	100.1	17.07	.0380	59.94	-.0091	65290.
Stddev	1.1	1.98	.1898	.36	.0323	442.
%RSD	1.137	11.59	499.5	.6037	356.4	.6767

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0680	.9550	.2361	.2951	82.66	20990.
Stddev	.1200	.2614	1.159	2.049	2.83	24.
%RSD	176.4	27.37	491.0	694.2	3.428	.1161

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47150.	181.1	F 480000.	6.703	5.046	4.229
Stddev	784.	2.5	7452.	.470	1.020	1.411
%RSD	1.663	1.360	1.552	7.016	20.21	33.36

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.104	-1.617	23.57	51.94	423.1	28.12
Stddev	4.661	3.837	1.16	.51	4.4	1.24
%RSD	422.1	237.3	4.911	.9881	1.042	4.410

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46598-i-1-c du Acquired: 11/4/2012 15:55:26 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.133	716.5	7.724	14590.
Stddev	.665	.5	.305	414.
%RSD	58.73	.0762	3.946	2.835

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1495.0	34116.	11665.
Stddev	12.0	205.	360.
%RSD	.79942	.60134	3.0882

Sample Name: 460-46598-i-1-b Acquired: 11/4/2012 15:59:15 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120.6	20.61	-.4914	60.85	-.0532	66250.
Stddev	9.1	1.57	.2933	.14	.0494	607.
%RSD	7.550	7.638	59.69	.2339	92.92	.9168

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0080	.5374	-.1255	.6176	83.91	21400.
Stddev	.1105	.1907	.4219	.1876	7.66	115.
%RSD	1375.	35.49	336.0	30.37	9.130	.5365

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47440.	182.4	F 490200.	6.608	2.111	5.073
Stddev	1221.	2.3	4317.	.603	1.142	1.011
%RSD	2.574	1.282	.8806	9.130	54.08	19.93

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9794	-.7552	23.85	52.22	436.2	24.52
Stddev	5.787	.8604	1.11	.19	2.7	.09
%RSD	590.8	113.9	4.643	.3644	.6153	.3552

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46598-i-1-b Acquired: 11/4/2012 15:59:15 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5124	729.7	6.151	15260.
Stddev	.4695	.6	.557	579.
%RSD	91.61	.0785	9.062	3.793

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1483.8	34101.	11999.
Stddev	4.2	389.	600.
%RSD	.28443	1.1408	4.9976

Sample Name: sd 460-46598-i-1-b@5 Acquired: 11/4/2012 16:03:04 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.34	3.277	-3.722	11.98	-.0625	12820.
Stddev	3.68	1.093	.4837	.25	.0436	26.
%RSD	15.13	33.35	130.0	2.123	69.70	.1993

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0303	.2246	-.4148	-.2805	27.54	4021.
Stddev	.1273	.2169	.1226	.3648	5.06	8.
%RSD	420.6	96.56	29.55	130.0	18.39	.2028

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9029.	35.16	102500.	.7165	3.582	2.334
Stddev	25.	.04	60.	.4414	1.318	1.398
%RSD	.2797	.1018	.0585	61.60	36.80	59.88

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0232	-1.013	4.948	10.68	83.23	5.181
Stddev	3.028	1.202	.451	.10	.20	.312
%RSD	13060.	118.7	9.104	.9457	.2452	6.014

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-46598-i-1-b@5 Acquired: 11/4/2012 16:03:04 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2672	141.5	.3286	2789.
Stddev	1.126	.1	.2276	7.
%RSD	421.6	.0814	69.26	.2663

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1590.5	37349.	12414.
Stddev	1.5	86.	38.
%RSD	.09561	.23007	.30479

Sample Name: 460-46598-i-1-d.ms Acquired: 11/4/2012 16:06:46 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2050.	2100.	50.73	2117.	50.13	85170.
Stddev	8.	21.	.63	4.	.15	464.
%RSD	.3720	.9950	1.242	.2092	.3027	.5452

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.49	500.7	201.0	248.8	1087.	41020.
Stddev	.14	.3	3.3	1.7	18.	228.
%RSD	.2753	.0587	1.646	.6917	1.659	.5567

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	65570.	689.6	F 500200.	513.2	506.0	504.5
Stddev	1318.	5.2	10870.	1.3	2.6	4.3
%RSD	2.010	.7594	2.174	.2571	.5174	.8442

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2079.	2016.	524.9	555.8	939.1	508.8
Stddev	23.	5.	2.0	5.1	4.7	3.3
%RSD	1.083	.2338	.3891	.9164	.4993	.6407

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46598-i-1-d.ms Acquired: 11/4/2012 16:06:46 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	496.2	1201.	499.6	15000.
Stddev	1.9	5.	.6	611.
%RSD	.3734	.4302	.1147	4.073

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1474.8	34076.	11933.
Stddev	6.4	647.	694.
%RSD	.43691	1.8993	5.8143

Sample Name: pds 460-46598-i-1-b Acquired: 11/4/2012 16:10:26 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1999.	2027.	48.04	2034.	48.05	84920.
Stddev	4.	3.	.25	4.	.09	115.
%RSD	.1967	.1325	.5289	.1727	.1966	.1356

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.23	479.6	192.4	240.0	1031.	40460.
Stddev	.33	1.0	1.0	2.4	5.	62.
%RSD	.6755	.2113	.5152	1.007	.4929	.1527

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	64700.	667.3	F 502800.	491.2	480.7	486.2
Stddev	160.	1.4	10220.	1.9	2.8	1.2
%RSD	.2478	.2088	2.033	.3852	.5904	.2539

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2003.	1924.	503.8	530.6	924.5	489.3
Stddev	12.	1.	1.2	2.8	1.9	1.9
%RSD	.6097	.0732	.2377	.5314	.2020	.3931

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-46598-i-1-b Acquired: 11/4/2012 16:10:26 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	475.4	1197.	481.9	15300.
Stddev	1.6	3.	.8	108.
%RSD	.3293	.2323	.1690	.7087

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1478.5	34278.	12078.
Stddev	4.1	37.	105.
%RSD	.27983	.10754	.86545

Sample Name: 460-46563-h-3-b Acquired: 11/4/2012 16:14:06 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1053.	34.16	-2802	192.4	.0148	126900.
Stddev	12.	.90	.6514	.7	.0346	508.
%RSD	1.122	2.623	232.5	.3711	233.2	.4005

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0707	1.622	4.618	8.574	24400.	36620.
Stddev	.0804	.333	.485	.066	249.	154.
%RSD	113.8	20.52	10.51	.7683	1.019	.4192

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	103300.	686.7	F 709100.	21.48	26.46	-1.349
Stddev	1245.	6.2	6547.	.53	1.75	.972
%RSD	1.205	.8975	.9232	2.483	6.620	72.01

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.552	-2.346	8.422	115.1	482.1	13.53
Stddev	8.010	2.917	.475	.8	1.9	.54
%RSD	93.66	124.3	5.635	.7147	.3935	3.965

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46563-h-3-b Acquired: 11/4/2012 16:14:06 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.001	969.0	48.08	F 20430.
Stddev	.714	1.7	2.06	339.
%RSD	35.70	.1711	4.278	1.660

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1431.2	33059.	11870.
Stddev	8.5	450.	317.
%RSD	.59329	1.3625	2.6672

Sample Name: lcs 460-134373/2-a Acquired: 11/4/2012 16:17:55 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2012.	2022.	49.46	2142.	51.16	21730.
Stddev	5.	7.	.46	2.	.12	65.
%RSD	.2714	.3523	.9314	.0702	.2292	.3007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.00	527.7	213.1	249.3	F 1192.	20180.
Stddev	.18	.8	1.0	3.1	6.	20.
%RSD	.3472	.1570	.4501	1.261	.5377	.1006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value					1000.	
Range					15.00%	

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20810.	531.8	21180.	540.5	543.4	488.9
Stddev	60.	1.7	92.	1.2	4.8	6.7
%RSD	.2905	.3197	.4321	.2284	.8915	1.378

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2051.	F 2318.	505.8	520.7	538.3	495.2
Stddev	4.	5.	2.8	1.2	1.9	1.5
%RSD	.1914	.2026	.5458	.2263	.3464	.2934

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2000.				
Range		15.00%				

Sample Name: lcs 460-134373/2-a Acquired: 11/4/2012 16:17:55 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	524.1	502.4	502.0	178.9
Stddev	3.4	2.5	3.7	48.3
%RSD	.6437	.5059	.7311	27.01

Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1615.5	37689.	12007.
Stddev	5.3	262.	36.
%RSD	.32638	.69638	.30297

Sample Name: CCV Acquired: 11/4/2012 16:21:28 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123700.	2524.	1237.	10210.	996.1	127900.
Stddev	248.	10.	2.	11.	2.2	263.
%RSD	.2007	.3783	.1896	.1099	.2220	.2059

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1264.	2541.	5008.	12450.	99530.	49760.
Stddev	3.	3.	12.	18.	273.	149.
%RSD	.2433	.1223	.2311	.1410	.2743	.2988

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122700.	5065.	126100.	2567.	7685.	1020.
Stddev	338.	10.	147.	7.	11.	2.
%RSD	.2751	.1903	.1169	.2631	.1382	.1893

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2522.	2560.	2502.	2485.	1011.	2530.
Stddev	5.	7.	3.	7.	3.	6.
%RSD	.1917	.2699	.1183	.2976	.2599	.2322

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/4/2012 16:21:28 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1006.	5064.	10030.	10410.
Stddev	4.	35.	18.	133.
%RSD	.3795	.6943	.1781	1.276

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1482.4	34599.	11542.
Stddev	3.5	145.	40.
%RSD	.23440	.41888	.34725

Sample Name: CCB Acquired: 11/4/2012 16:25:01 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2569	2.148	-.2983	.3568	.0684	13.71
Stddev	17.73	1.780	.8391	.4163	.0601	16.94
%RSD	6900.	82.84	281.3	116.7	87.80	123.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0689	.1454	.2122	-.7469	7.257	68.68
Stddev	.1373	.2833	.4027	1.788	13.31	14.78
%RSD	199.1	194.8	189.7	239.4	183.4	21.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.239	.5039	71.25	.0125	.0951	1.074
Stddev	3.968	.3028	26.45	.7087	1.407	2.787
%RSD	48.17	60.09	37.12	5649.	1479.	259.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6362	1.678	.1005	.6552	2.786	2.605
Stddev	3.951	.462	.5205	.1404	.867	1.001
%RSD	621.1	27.54	517.8	21.43	31.13	38.42

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/4/2012 16:25:01 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1735	.4927	1.379	-6.569
Stddev	1.005	.4098	.648	20.54
%RSD	579.4	83.19	47.00	312.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1654.5	38611.	11434.
Stddev	2.1	53.	25.
%RSD	.12417	.13815	.21467

Sample Name: mb 460-134373/1-a Acquired: 11/4/2012 16:28:46 Type: QC

Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.016	2.108	-.0209	.1561	-.0270	8.685
Stddev	.532	3.202	.6105	.1776	.0487	7.516
%RSD	10.61	151.9	2924.	113.8	180.4	86.54

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0339	.0734	-.0394	6.428	3.424	29.23
Stddev	.1518	.0417	.5675	.723	14.07	13.32
%RSD	447.2	56.76	1441.	11.24	411.0	45.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.001	.0271	2.876	.4344	.6035	2.202
Stddev	3.220	.0950	5.552	.5339	1.740	1.143
%RSD	321.7	350.9	193.0	122.9	288.3	51.92

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7848	1.378	-.0458	-.2200	7.884	.1170
Stddev	5.966	2.129	.2141	.0847	.247	.1249
%RSD	760.3	154.5	467.5	38.49	3.133	106.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-134373/1-a Acquired: 11/4/2012 16:28:46 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2790	-.0430	-.6990	78.25
Stddev	.7561	.0549	.9035	12.64
%RSD	271.0	127.5	129.3	16.16

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1705.0	39887.	11876.
Stddev	13.0	295.	58.
%RSD	.76434	.73883	.48637

Sample Name: 460-46565-h-3-b Acquired: 11/4/2012 16:32:30 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	905.0	35.04	-5589	195.5	.0315	130000.
Stddev	5.2	3.96	.7561	.9	.0438	352.
%RSD	.5695	11.31	135.3	.4369	138.8	.2708

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2862	1.353	3.820	7.384	24670.	37490.
Stddev	.0905	.470	.404	.120	23.	259.
%RSD	31.60	34.75	10.56	1.621	.0932	.6913

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	105300.	696.8	F 717700.	21.84	22.45	-.3167
Stddev	453.	1.4	7198.	.47	1.03	.8472
%RSD	.4298	.2043	1.003	2.142	4.573	267.5

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.511	3.454	7.669	112.7	499.4	12.35
Stddev	4.890	2.280	.683	.5	1.6	.58
%RSD	194.8	66.03	8.908	.4207	.3219	4.726

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46565-h-3-b Acquired: 11/4/2012 16:32:30 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.079	994.6	41.23	F 20660.
Stddev	.469	6.4	2.05	287.
%RSD	15.23	.6467	4.975	1.388

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1416.4	32853.	11852.
Stddev	6.3	274.	138.
%RSD	.44286	.83489	1.1664

Sample Name: 460-46597-g-1-b Acquired: 11/4/2012 16:36:18 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	166.0	12.52	-.7107	53.63	-.0474	60660.
Stddev	3.3	1.46	.5954	.07	.0131	209.
%RSD	2.003	11.69	83.78	.1330	27.57	.3449

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1356	.3303	.5488	4.803	205.4	17550.
Stddev	.1086	.0953	.3048	1.347	6.6	94.
%RSD	80.11	28.86	55.54	28.05	3.211	.5358

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40530.	190.1	F 453100.	6.873	8.804	.7356
Stddev	243.	.6	1936.	.512	1.979	4.776
%RSD	.5990	.3320	.4272	7.455	22.47	649.2

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.071	-.9531	19.82	34.14	457.7	22.67
Stddev	2.309	2.342	.38	.31	2.3	.45
%RSD	215.6	245.7	1.907	.9051	.5047	2.000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46597-g-1-b Acquired: 11/4/2012 16:36:18 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3733	609.5	6.541	17030.
Stddev	.3798	1.7	.101	254.
%RSD	101.7	.2737	1.541	1.494

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1485.9	34115.	11932.
Stddev	6.0	293.	283.
%RSD	.40383	.85919	2.3684

Sample Name: 460-46598-i-2-b Acquired: 11/4/2012 16:40:07 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	284.3	19.78	-.0912	12.62	.0279	60640.
Stddev	9.5	1.43	.4231	.07	.0377	87.
%RSD	3.344	7.229	463.8	.5448	135.2	.1434

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0997	1.092	1.349	5.247	373.4	16810.
Stddev	.0733	.137	.334	2.310	9.2	57.
%RSD	73.51	12.56	24.76	44.02	2.473	.3401

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39900.	347.3	F 454400.	8.330	12.88	2.528
Stddev	51.	.3	3553.	.513	.52	3.706
%RSD	.1275	.0933	.7818	6.164	4.037	146.6

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.551	-.1061	11.87	38.30	590.0	26.56
Stddev	3.266	2.094	.42	.10	4.3	.56
%RSD	91.98	1974.	3.513	.2529	.7273	2.120

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46598-i-2-b Acquired: 11/4/2012 16:40:07 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.033	557.4	9.572	18160.
Stddev	.416	.4	.343	257.
%RSD	40.29	.0755	3.584	1.413

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1490.4	34249.	11853.
Stddev	1.7	147.	225.
%RSD	.11706	.42776	1.9017

Sample Name: 460-46598-i-3-b Acquired: 11/4/2012 16:43:54 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	727.6	8.300	-1.253	314.7	.0076	F 278500.
Stddev	3.0	4.128	1.129	1.7	.0225	2178.
%RSD	.4174	49.74	90.11	.5382	297.7	.7819

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.158	46.92	.9522	22.19	15730.	F 163300.
Stddev	.202	.61	.0972	.56	46.	680.
%RSD	17.46	1.297	10.21	2.516	.2954	.4164

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						100000.
Low Limit						-5000.

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 458400.	3819.	F 1822000.	567.1	14.23	-.1294
Stddev	2902.	6.	26890.	3.9	2.11	4.203
%RSD	.6330	.1576	1.476	.6920	14.83	3249.

Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.		250000.			
Low Limit	-2000.		-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.55	.3009	3.266	1109.	1906.	11.75
Stddev	3.25	1.569	.147	5.	14.	.23
%RSD	30.80	521.4	4.508	.4948	.7190	1.919

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46598-i-3-b Acquired: 11/4/2012 16:43:54 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.974	3840.	16.43	13160.
Stddev	.736	27.	1.01	68.
%RSD	37.30	.6903	6.122	.5172

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1154.6	26964.	10935.
Stddev	4.9	96.	93.
%RSD	.42787	.35429	.85492

Sample Name: 460-46598-i-4-b Acquired: 11/4/2012 16:47:57 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1495.	23.87	-4.748	32.01	.0305	56450.
Stddev	7.	1.54	.4318	.35	.0165	274.
%RSD	.4666	6.455	90.93	1.107	54.18	.4861

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2569	1.677	3.835	17.82	2212.	20570.
Stddev	.1493	.158	.686	1.26	3.	143.
%RSD	58.09	9.436	17.90	7.091	.1475	.6931

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40810.	685.5	F 452300.	12.15	32.18	.2672
Stddev	74.	1.5	3067.	.24	2.20	2.506
%RSD	.1804	.2129	.6782	1.936	6.844	937.7

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.940	-.7875	24.18	149.8	587.2	26.22
Stddev	.867	2.958	.70	.4	4.6	.41
%RSD	29.49	375.7	2.902	.2473	.7779	1.558

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46598-i-4-b Acquired: 11/4/2012 16:47:57 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.431	564.6	42.01	F 20500.
Stddev	.814	2.9	.24	263.
%RSD	56.88	.5067	.5734	1.284

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1500.7	34593.	11990.
Stddev	3.0	235.	138.
%RSD	.19792	.68042	1.1478

Sample Name: 460-46155-b-2-b du Acquired: 11/4/2012 16:51:44 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26.37	2.276	-.3063	187.4	-.0334	30780.
Stddev	5.15	4.029	.2127	.5	.0673	65.
%RSD	19.53	177.0	69.45	.2715	201.4	.2115

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1907	.4778	.1195	3.836	127.5	3528.
Stddev	.1409	.1737	.3990	1.037	2.2	20.
%RSD	73.90	36.35	333.9	27.02	1.709	.5656

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15500.	61.87	54350.	2.227	2.869	1.256
Stddev	56.	.09	326.	.291	1.362	1.202
%RSD	.3614	.1395	.5997	13.06	47.47	95.67

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.128	-.8518	.4929	146.9	26.16	.6960
Stddev	.876	.6042	.6907	.4	.72	.5061
%RSD	17.08	70.94	140.1	.3031	2.769	72.72

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46155-b-2-b du Acquired: 11/4/2012 16:51:44 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3347	191.4	1.381	6398.
Stddev	.5402	.1	.918	46.
%RSD	161.4	.0779	66.46	.7143

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1618.0	37294.	11773.
Stddev	3.6	312.	75.
%RSD	.22124	.83542	.64024

Sample Name: 460-46155-b-2-a Acquired: 11/4/2012 16:55:24 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.04	2.763	.0651	190.5	-.0305	31320.
Stddev	6.45	2.793	.5654	.6	.0282	92.
%RSD	27.98	101.1	868.0	.3257	92.45	.2922

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0423	.1011	.3891	4.084	125.8	3463.
Stddev	.0948	.0969	.2513	1.775	3.8	22.
%RSD	224.0	95.89	64.57	43.46	3.049	.6294

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15750.	62.72	54680.	2.171	3.084	3.343
Stddev	32.	.06	87.	.921	1.700	1.019
%RSD	.2014	.1030	.1592	42.42	55.14	30.47

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.800	2.888	.4247	148.9	25.86	-.0083
Stddev	2.359	2.341	.0445	.6	.56	.3555
%RSD	131.1	81.04	10.48	.3832	2.156	4303.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46155-b-2-a Acquired: 11/4/2012 16:55:24 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0342	194.9	.8864	6483.
Stddev	1.242	.4	.7431	93.
%RSD	3637.	.1945	83.83	1.437

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1619.9	37339.	11766.
Stddev	6.0	154.	88.
%RSD	.36840	.41282	.74822

Sample Name: sd 460-46155-b-2-a@5 Acquired: 11/4/2012 16:59:04 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-14.31	2.927	-.1632	37.22	-.0602	6104.
Stddev	4.80	4.250	.5670	.24	.0181	20.
%RSD	33.53	145.2	347.5	.6544	30.15	.3249

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0173	.0468	-.1127	.2019	20.92	697.3
Stddev	.0597	.2334	.1118	1.301	2.30	23.1
%RSD	345.1	498.8	99.24	644.4	10.98	3.316

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3039.	12.36	10740.	.2812	-1.077	.9990
Stddev	14.	.04	55.	.5607	1.824	2.405
%RSD	.4443	.3269	.5083	199.4	169.3	240.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.311	.7371	.4358	29.08	7.038	.1908
Stddev	2.448	1.068	.0982	.14	.263	.2912
%RSD	106.0	144.9	22.55	.4884	3.742	152.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-46155-b-2-a@5 Acquired: 11/4/2012 16:59:04 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2243	38.51	-.5620	1190.
Stddev	.2657	.16	.3965	13.
%RSD	118.5	.4254	70.55	1.067

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1663.9	38603.	11672.
Stddev	2.9	188.	43.
%RSD	.17480	.48645	.37108

Sample Name: lcs 460-134350/2-a Acquired: 11/4/2012 17:02:47 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 968.4	F 953.3	F 24.31	F 1036.	F 24.54	F 10500.
Stddev	5.7	1.6	.34	2.	.10	11.
%RSD	.5892	.1693	1.402	.1520	.4239	.1082

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2000.	2000.	50.00	2000.	50.00	20000.
Range	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 25.29	F 253.7	F 99.43	F 120.8	F 484.5	F 9772.
Stddev	.11	.1	.49	1.3	19.7	21.
%RSD	.4436	.0589	.4973	1.073	4.057	.2110

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	50.00	500.0	200.0	250.0	1000.	20000.
Range	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 10170.	F 257.2	F 10160.	F 260.9	F 265.6	F 231.1
Stddev	30.	.7	20.	.5	1.9	2.2
%RSD	.2914	.2655	.1946	.2104	.7173	.9685

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	20000.	500.0	20000.	500.0	500.0	500.0
Range	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 969.4	F 1123.	F 240.8	F 251.1	F 259.4	F 233.9
Stddev	10.1	3.	.3	.6	1.8	.6
%RSD	1.045	.2971	.1208	.2528	.6817	.2512

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2000.	2000.	500.0	500.0	500.0	500.0
Range	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%

Sample Name: lcs 460-134350/2-a Acquired: 11/4/2012 17:02:47 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F 250.3	F 243.2	F 238.0	128.5
Stddev	.2	.8	.6	9.8
%RSD	.0850	.3347	.2479	7.645

Check ?	Chk Fail	Chk Fail	Chk Fail	None
Value	500.0	500.0	500.0	
Range	-15.00%	-15.00%	-15.00%	

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1671.4	38852.	11799.
Stddev	10.5	321.	55.
%RSD	.62868	.82500	.46761

Sample Name: CCV Acquired: 11/4/2012 17:06:24 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121800.	2457.	1208.	9997.	977.7	125800.
Stddev	212.	4.	1.	2.	1.3	177.
%RSD	.1739	.1501	.0823	.0235	.1353	.1408

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1236.	2487.	4937.	12140.	97460.	49200.
Stddev	3.	1.	17.	21.	439.	127.
%RSD	.2447	.0315	.3366	.1701	.4508	.2590

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121200.	4974.	124300.	2526.	7518.	987.8
Stddev	777.	16.	160.	2.	15.	6.4
%RSD	.6413	.3126	.1284	.0743	.1956	.6496

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2444.	2490.	2455.	2453.	982.1	2462.
Stddev	8.	8.	6.	6.	1.3	2.
%RSD	.3210	.3105	.2613	.2517	.1315	.0645

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/4/2012 17:06:24 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	987.6	4993.	9813.	9906.
Stddev	1.8	12.	14.	31.
%RSD	.1834	.2434	.1406	.3088

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1509.5	34972.	11357.
Stddev	4.1	135.	44.
%RSD	.27416	.38539	.38818

Sample Name: CCB Acquired: 11/4/2012 17:09:57 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.028	.0472	.0591	.5317	.0442	6.828
Stddev	13.79	1.533	.7337	.5933	.0991	8.818
%RSD	679.7	3246.	1241.	111.6	224.2	129.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0491	.1147	-.1790	-.5330	13.19	70.35
Stddev	.1032	.3477	.9871	2.393	4.33	15.39
%RSD	210.0	303.2	551.3	448.9	32.81	21.87

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.90	.4375	47.01	.2707	3.212	.2701
Stddev	7.98	.3710	21.54	.2978	1.373	1.051
%RSD	67.04	84.81	45.82	110.0	42.75	389.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.201	-.7065	.4679	.6445	1.590	3.016
Stddev	1.389	2.130	.1065	.0807	.585	.400
%RSD	63.07	301.5	22.75	12.53	36.78	13.26

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/4/2012 17:09:57 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1974	.4587	1.424	-3.674
Stddev	.4962	.3898	.664	10.94
%RSD	251.4	84.99	46.65	297.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1674.8	39000.	11374.
Stddev	2.3	185.	79.
%RSD	.13497	.47519	.69253

Sample Name: mb 460-134350/1-a Acquired: 11/4/2012 17:13:42 Type: QC

Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.294	3.855	-.2427	.2166	-.0641	9.479
Stddev	8.258	3.117	.4220	.0204	.0352	1.368
%RSD	250.7	80.85	173.9	9.432	54.93	14.44

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0463	.2437	-.0303	-1.120	-6.885	24.74
Stddev	.0991	.0302	.1025	.264	11.21	11.40
%RSD	213.9	12.38	338.5	23.60	162.8	46.06

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.615	.0800	-2.464	-.4330	-.1980	.5701
Stddev	5.535	.0122	4.994	.3102	.9142	1.355
%RSD	83.68	15.28	202.7	71.66	461.7	237.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.232	.1621	-.0722	-.0988	8.954	.2451
Stddev	3.616	2.148	.2330	.0456	1.238	.3267
%RSD	293.4	1326.	322.8	46.17	13.83	133.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-134350/1-a Acquired: 11/4/2012 17:13:42 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.231	.0596	-.9885	102.4
Stddev	.777	.0228	.1412	7.3
%RSD	63.15	38.32	14.28	7.134

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1726.7	40001.	11720.
Stddev	10.8	312.	54.
%RSD	.62530	.77948	.45969

Sample Name: 460-46155-b-2-c.ms Acquired: 11/4/2012 17:17:26 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1020.	1002.	23.94	1237.	25.28	41650.
Stddev	11.	8.	.25	3.	.12	116.
%RSD	1.060	.7497	1.040	.2148	.4882	.2776

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26.04	256.9	102.7	128.3	643.2	13400.
Stddev	.33	.7	.7	.8	11.9	36.
%RSD	1.262	.2548	.6803	.6096	1.848	.2700

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25710.	322.9	63840.	266.5	267.5	243.8
Stddev	43.	.5	107.	.5	.7	3.3
%RSD	.1670	.1396	.1682	.1766	.2501	1.367

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1003.	1106.	249.8	403.8	286.0	241.8
Stddev	10.	5.	1.3	.5	.8	.5
%RSD	.9912	.4263	.5052	.1141	.2763	.2202

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46155-b-2-c.ms Acquired: 11/4/2012 17:17:26 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	254.7	442.3	248.5	6478.
Stddev	.1	1.3	.4	83.
%RSD	.0223	.2847	.1654	1.287

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1617.7	37301.	11655.
Stddev	7.8	208.	13.
%RSD	.48409	.55697	.11424

Sample Name: pds 460-46155-b-2-a Acquired: 11/4/2012 17:21:01 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1935.	1939.	46.92	2190.	48.69	51380.
Stddev	24.	4.	.22	4.	.11	103.
%RSD	1.247	.2296	.4794	.1660	.2304	.2005

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.70	492.1	197.0	241.3	1102.	22730.
Stddev	.07	.4	.4	2.1	13.	7.
%RSD	.1326	.0740	.2122	.8787	1.136	.0307

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35230.	561.5	73090.	504.2	505.3	468.5
Stddev	77.	.5	60.	.4	1.5	3.5
%RSD	.2181	.0824	.0818	.0834	.2970	.7471

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1940.	2107.	483.7	642.2	522.4	465.6
Stddev	7.	13.	1.6	1.1	.8	2.4
%RSD	.3366	.6091	.3288	.1638	.1604	.5254

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: pds 460-46155-b-2-a Acquired: 11/4/2012 17:21:01 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	494.0	671.7	477.6	6536.
Stddev	1.8	.6	1.5	9.
%RSD	.3608	.0915	.3212	.1341

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1597.9	36796.	11530.
Stddev	2.0	258.	48.
%RSD	.12640	.70226	.42051

Sample Name: 460-46155-b-1-b Acquired: 11/4/2012 17:24:32 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.70	4.131	-.2753	184.4	-.0375	30300.
Stddev	7.14	2.750	.8775	.9	.0409	37.
%RSD	36.24	66.57	318.8	.4969	109.1	.1228

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2628	.4085	.1361	3.461	110.9	3337.
Stddev	.1123	.3486	.3062	.775	10.3	17.
%RSD	42.74	85.35	224.9	22.39	9.280	.4949

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15200.	60.75	52500.	1.925	1.239	1.315
Stddev	48.	.24	55.	.456	.368	2.332
%RSD	.3191	.3918	.1038	23.69	29.70	177.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.073	.6255	.9281	144.9	24.25	1.631
Stddev	2.012	3.904	.5158	.4	.45	.114
%RSD	97.06	624.2	55.57	.3019	1.856	6.976

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46155-b-1-b Acquired: 11/4/2012 17:24:32 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-0.0092	189.6	.8742	6230.
Stddev	.5503	.7	.4493	56.
%RSD	5975.	.3743	51.39	.9001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1626.1	37554.	11680.
Stddev	7.4	368.	134.
%RSD	.45570	.98036	1.1487

Sample Name: 460-46496-d-5-b@20 Acquired: 11/4/2012 17:28:12 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39810.	12.10	-2.239	1391.	2.004	47970.
Stddev	67.	.31	.148	1.	.017	74.
%RSD	.1691	2.532	6.620	.0902	.8334	.1534

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2038	115.9	69.16	399.3	34500.	6987.
Stddev	.1722	.0	.44	2.2	56.	14.
%RSD	84.50	.0156	.6386	.5497	.1615	.1989

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17820.	2108.	5737.	172.8	39.18	-2.498
Stddev	46.	2.	8.	.3	.96	1.816
%RSD	.2580	.0767	.1375	.1787	2.456	72.69

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.086	-3.416	49.60	188.0	1.696	.0217
Stddev	1.520	2.056	.61	.2	.891	.0729
%RSD	72.87	60.19	1.233	.0941	52.52	336.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46496-d-5-b@20 Acquired: 11/4/2012 17:28:12 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.671	162.2	168.3	8063.
Stddev	.446	.4	.8	212.
%RSD	9.554	.2749	.4703	2.635

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1918.6	43980.	13444.
Stddev	5.3	115.	39.
%RSD	.27511	.26255	.29105

Sample Name: 460-46496-d-5-b@50 Acquired: 11/4/2012 17:31:47 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17270.	6.121	-.7600	612.6	.8866	20930.
Stddev	57.	3.548	.1538	.3	.0502	80.
%RSD	.3282	57.97	20.24	.0455	5.665	.3812

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0730	51.50	30.40	174.9	15230.	3055.
Stddev	.0839	.42	.32	3.9	47.	19.
%RSD	115.0	.8232	1.055	2.250	.3072	.6287

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7895.	934.0	2491.	76.54	17.94	1.295
Stddev	36.	2.1	8.	.43	.85	2.987
%RSD	.4516	.2299	.3072	.5667	4.749	230.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3004	-2.248	22.00	82.90	.9604	-.0159
Stddev	4.019	2.752	.27	.20	.2354	.6668
%RSD	1338.	122.4	1.229	.2361	24.51	4192.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46496-d-5-b@50 Acquired: 11/4/2012 17:31:47 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.285	71.06	72.82	3481.
Stddev	.706	.26	.11	66.
%RSD	54.98	.3618	.1497	1.884

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1779.1	40978.	12238.
Stddev	1.7	25.	23.
%RSD	.09520	.06120	.18861

Sample Name: 460-45544-a-1-j du@5 Acquired: 11/4/2012 17:35:25 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	175.4	2.520	-1.963	23.00	.0102	1032.
Stddev	11.1	2.347	.6469	.23	.0322	2.
%RSD	6.323	93.12	329.5	.9883	315.4	.1887

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0211	.2048	.9944	-.4265	803.6	252.5
Stddev	.0753	.1908	.3755	1.338	5.8	11.3
%RSD	357.2	93.17	37.76	313.8	.7207	4.490

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	83.14	10.55	F 283000.	2.117	4.101	-.6420
Stddev	1.86	.01	1074.	.761	.426	1.714
%RSD	2.237	.1135	.3794	35.93	10.40	267.0

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.098	-2.962	.4318	38.78	7.165	-.3273
Stddev	5.370	1.316	.3289	.08	.477	.4235
%RSD	489.2	44.43	76.18	.2107	6.659	129.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-45544-a-1-j du@5 Acquired: 11/4/2012 17:35:25 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3723	8.135	1.537	282.9
Stddev	.5405	.067	.410	21.0
%RSD	145.2	.8186	26.70	7.436

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1569.7	35666.	11474.
Stddev	.9	85.	106.
%RSD	.05481	.23915	.92279

Sample Name: 460-45544-a-1-i@5 Acquired: 11/4/2012 17:39:17 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	150.2	2.570	.0343	22.44	.0858	1004.
Stddev	10.3	4.319	.3608	.21	.0541	6.
%RSD	6.853	168.0	1053.	.9321	63.00	.5992

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0021	.0283	.5961	-1.416	775.9	258.7
Stddev	.0821	.2107	.2638	1.089	15.4	15.1
%RSD	3964.	745.2	44.26	76.85	1.981	5.849

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	82.47	10.33	F 276400.	3.101	4.807	-.3781
Stddev	1.60	.12	2397.	.859	2.084	1.104
%RSD	1.939	1.177	.8674	27.70	43.35	292.0

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.399	-.7856	.4877	36.83	6.885	-.0024
Stddev	2.122	1.622	.4062	.26	.428	.3860
%RSD	88.43	206.5	83.29	.7153	6.217	15940.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-45544-a-1-i@5 Acquired: 11/4/2012 17:39:17 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.113	7.957	2.137	270.0
Stddev	.284	.064	.521	15.0
%RSD	25.51	.8019	24.37	5.544

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1575.0	36004.	11841.
Stddev	4.3	88.	98.
%RSD	.27160	.24480	.82706

Sample Name: sd 460-45544-a-1-i@2 Acquired: 11/4/2012 17:43:08 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26.75	2.110	.0868	4.449	-.0273	199.3
Stddev	4.41	2.976	.1392	.192	.0426	4.2
%RSD	16.48	141.1	160.3	4.309	156.1	2.096

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0181	-.0566	-.3342	-2.871	146.4	48.55
Stddev	.0368	.3303	.0444	1.064	5.5	8.53
%RSD	203.9	583.0	13.27	37.06	3.743	17.56

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.79	1.966	56620.	.4581	-.5652	.4682
Stddev	4.30	.112	99.	.5210	1.408	3.809
%RSD	31.17	5.719	.1746	113.7	249.1	813.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.510	-2.126	.2675	7.395	2.023	-.4660
Stddev	1.942	1.992	.3121	.143	.246	.0792
%RSD	128.6	93.71	116.6	1.930	12.16	16.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-45544-a-1-i@2 Acquired: 11/4/2012 17:43:08 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-4.717	1.561	-7.973	51.47
Stddev	.4316	.035	.4790	15.59
%RSD	91.48	2.227	60.07	30.29

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1634.5	38235.	11810.
Stddev	4.7	71.	71.
%RSD	.28797	.18589	.59899

Sample Name: lcs 460-134353/2-a Acquired: 11/4/2012 17:46:52 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4934.	5054.	482.7	10390.	1006.	21110.
Stddev	19.	18.	.2	7.	3.	60.
%RSD	.3780	.3562	.0497	.0660	.2794	.2839

Check ?	None	Chk Pass	None	None	None	None
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1050.	1065.	5061.	1009.	1015.	19860.
Stddev	1.	.	6.	4.	16.	57.
%RSD	.0586	.0417	.1152	.3721	1.601	.2858

Check ?	None	None	Chk Pass	Chk Pass	None	None
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19910.	1049.	20520.	1088.	5388.	1022.
Stddev	47.	2.	56.	2.	6.	7.
%RSD	.2369	.1898	.2753	.2094	.1138	.7089

Check ?	None	None	None	Chk Pass	Chk Pass	None
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	984.4	1119.	509.5	1033.	1016.	1039.
Stddev	5.7	7.	1.1	1.	2.	2.
%RSD	.5831	.5993	.2219	.0722	.2224	.1950

Check ?	Chk Pass	None	None	Chk Pass	None	None
Value						
Range						

Sample Name: lcs 460-134353/2-a Acquired: 11/4/2012 17:46:52 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1094.	1032.	1028.	137.3
Stddev	1.	5.	3.	47.8
%RSD	.0555	.4649	.2762	34.83

Check ?	None	None	None	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1612.6	37885.	11767.
Stddev	1.0	66.	74.
%RSD	.06343	.17402	.63129

Sample Name: CCV Acquired: 11/4/2012 17:50:18 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122700.	2489.	1227.	10090.	982.4	127000.
Stddev	235.	1.	2.	24.	1.2	246.
%RSD	.1913	.0518	.1716	.2344	.1255	.1939

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1255.	2513.	5001.	12270.	99070.	49850.
Stddev	1.	4.	15.	19.	340.	109.
%RSD	.1148	.1749	.3053	.1542	.3432	.2186

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122800.	5040.	125400.	2538.	7614.	991.2
Stddev	508.	13.	238.	6.	21.	2.4
%RSD	.4133	.2590	.1894	.2364	.2789	.2441

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2484.	2527.	2491.	2479.	990.5	2500.
Stddev	9.	14.	7.	5.	2.2	5.
%RSD	.3514	.5381	.2892	.2135	.2261	.1912

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/4/2012 17:50:18 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	995.4	5075.	9912.	9967.
Stddev	3.6	83.	9.	81.
%RSD	.3604	1.637	.0891	.8119

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1508.7	34965.	11411.
Stddev	4.5	51.	22.
%RSD	.29773	.14513	.19040

Sample Name: CCB Acquired: 11/4/2012 17:53:50 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.922	1.806	-8.116	.7309	.1170	9.038
Stddev	14.03	.716	.0801	.3017	.0894	15.30
%RSD	285.0	39.65	9.871	41.28	76.43	169.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0761	-.1612	.5232	.2042	10.40	54.83
Stddev	.0780	.4442	.4859	.5920	9.82	16.23
%RSD	102.5	275.5	92.87	289.9	94.35	29.59

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.52	.3923	14.14	-.2723	1.118	2.590
Stddev	6.36	.3889	26.32	.2585	.676	2.376
%RSD	55.18	99.15	186.1	94.95	60.48	91.73

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.368	.5856	-.0598	.4522	2.394	2.982
Stddev	.764	2.802	.7588	.1271	.251	.357
%RSD	22.68	478.5	1269.	28.11	10.49	11.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/4/2012 17:53:50 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2826	.4688	.7927	.0079
Stddev	.5601	.4849	.2208	10.45
%RSD	198.2	103.4	27.86	131700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1671.5	39203.	11530.
Stddev	1.2	56.	34.
%RSD	.07309	.14186	.29379

Sample Name: mb 460-134353/1-a Acquired: 11/4/2012 17:57:35 Type: QC

Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.653	.8064	.1663	.3056	-.0303	16.75
Stddev	8.057	.8027	.2178	.3804	.0191	10.92
%RSD	487.3	99.55	131.0	124.5	62.82	65.17

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0662	-.2806	-.3483	-3.280	1.593	25.03
Stddev	.0390	.1771	.3777	1.370	2.763	21.62
%RSD	58.94	63.11	108.4	41.75	173.4	86.37

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.949	.0586	-29.38	-.4527	.9841	2.116
Stddev	2.991	.1076	7.92	.4505	2.166	.478
%RSD	60.44	183.6	26.97	99.51	220.1	22.58

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7054	2.066	-.0828	-.0867	10.80	.4881
Stddev	4.608	1.157	.4130	.0771	.18	.2027
%RSD	653.3	55.98	499.0	89.01	1.641	41.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-134353/1-a Acquired: 11/4/2012 17:57:35 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0454	.0758	-.8488	129.3
Stddev	.4036	.1266	.3015	11.2
%RSD	889.9	167.1	35.53	8.664

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1692.2	39864.	11758.
Stddev	1.3	93.	92.
%RSD	.07910	.23215	.78267

Sample Name: Ib 460-134028/1-g@5 Acquired: 11/4/2012 18:01:19 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-8.414	.4305	-.0430	4.932	-.0399	53.21
Stddev	11.13	2.615	.7310	.158	.0729	5.64
%RSD	132.3	607.5	1699.	3.205	182.6	10.60

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0089	-.3950	-.0686	-.3056	-2.156	123.1
Stddev	.0524	.1010	.5318	1.389	3.289	16.1
%RSD	590.9	25.57	775.4	454.6	152.5	13.07

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.95	.2577	F 280200.	1.586	2.298	2.416
Stddev	3.76	.0707	4872.	.266	1.459	1.714
%RSD	25.16	27.42	1.739	16.77	63.50	70.95

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9092	-.1610	-.4326	3.906	9.663	-.2157
Stddev	8.994	3.663	.1985	.096	.113	.2513
%RSD	989.2	2275.	45.89	2.456	1.164	116.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lb 460-134028/1-g@5 Acquired: 11/4/2012 18:01:19 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.9967	.1519	-.1085	16.49
Stddev	.7531	.0465	.2355	17.85
%RSD	75.56	30.62	217.0	108.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1554.5	35583.	11677.
Stddev	2.0	46.	61.
%RSD	.12677	.12923	.52062

Sample Name: Ib 460-134166/1-d@5 Acquired: 11/4/2012 18:05:10 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.913	.1832	-.2086	7.732	-.0301	141.8
Stddev	9.403	.9748	.2545	.262	.0383	4.3
%RSD	136.0	532.1	122.0	3.382	127.1	3.062

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0522	.0020	-.0976	-.8156	-7.873	127.0
Stddev	.0758	.2498	.5861	1.385	4.384	24.8
%RSD	145.4	12800.	600.5	169.8	55.68	19.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32.20	.1836	F 268200.	1.599	3.407	-1.047
Stddev	6.00	.0339	2367.	.815	.756	1.507
%RSD	18.64	18.49	.8827	50.94	22.20	144.0

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8296	.5482	-.5515	11.12	15.53	-.2004
Stddev	5.529	3.148	.3469	.09	.29	.1761
%RSD	666.5	574.1	62.90	.7721	1.859	87.86

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lb 460-134166/1-d@5 Acquired: 11/4/2012 18:05:10 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.9340	.2585	-1.036	75.18
Stddev	.9817	.0557	.305	10.47
%RSD	105.1	21.56	29.45	13.92

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1553.2	35464.	11545.
Stddev	2.4	135.	108.
%RSD	.15499	.38129	.93582

Sample Name: 460-45544-a-1-k ms@5 Acquired: 11/4/2012 18:09:03 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1133.	1031.	96.76	2087.	199.8	5240.
Stddev	4.	1.	1.21	2.	1.1	40.
%RSD	.3880	.0517	1.255	.1121	.5418	.7565

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	208.7	206.8	1021.	198.3	998.7	4253.
Stddev	.7	.4	8.	2.8	16.1	24.
%RSD	.3283	.2046	.7377	1.428	1.614	.5715

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3906.	220.6	F 285900.	215.4	1033.	200.8
Stddev	49.	1.5	2285.	1.2	6.	2.2
%RSD	1.266	.6636	.7995	.5713	.5544	1.103

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	200.1	206.2	101.9	246.0	206.6	203.1
Stddev	5.1	2.7	.4	1.7	2.0	.6
%RSD	2.558	1.323	.3567	.7083	.9578	.2718

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-45544-a-1-k ms@5 Acquired: 11/4/2012 18:09:03 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	213.3	208.9	204.9	260.8
Stddev	.5	1.3	1.7	16.4
%RSD	.2296	.6115	.8521	6.272

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1547.9	35386.	11462.
Stddev	3.1	354.	278.
%RSD	.20345	1.0010	2.4286

Sample Name: pds 460-45544-a-1-i@ Acquired: 11/4/2012 18:12:45 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2068.	1953.	46.41	2028.	48.67	21810.
Stddev	8.	25.	.29	18.	.33	125.
%RSD	.4000	1.290	.6335	.8973	.6694	.5742

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.92	491.3	199.7	237.3	1780.	19890.
Stddev	.38	4.9	2.4	1.4	17.	183.
%RSD	.7619	.9975	1.209	.5803	.9399	.9219

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18970.	514.7	F 301700.	501.3	498.0	464.6
Stddev	270.	4.2	3197.	2.4	4.5	3.0
%RSD	1.421	.8197	1.060	.4767	.8977	.6542

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1956.	1997.	490.6	540.9	489.8	474.3
Stddev	17.	21.	3.1	5.0	3.4	4.0
%RSD	.8559	1.031	.6389	.9333	.6888	.8355

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-45544-a-1-i@ Acquired: 11/4/2012 18:12:45 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	486.6	481.9	483.4	386.8
Stddev	5.5	2.9	2.8	54.2
%RSD	1.139	.5972	.5870	14.00

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1522.5	34803.	11417.
Stddev	9.0	376.	192.
%RSD	.59075	1.0804	1.6856

Sample Name: 460-46390-a-1-d@5 Acquired: 11/4/2012 18:16:27 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	226.4	3.575	-.4486	79.85	-.0733	159200.
Stddev	10.4	.590	.8702	.17	.0575	721.
%RSD	4.587	16.49	194.0	.2144	78.42	.4529

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.696	4.192	-.1881	23.06	559.6	2236.
Stddev	.196	.301	.5455	1.10	16.2	7.
%RSD	7.266	7.174	290.0	4.773	2.889	.3097

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2549.	539.7	F 277600.	15.98	9.516	-1.518
Stddev	13.	2.1	3691.	1.15	1.158	1.959
%RSD	.5119	.3929	1.330	7.217	12.17	129.1

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.502	.7227	.2842	100.8	52.89	3.336
Stddev	2.312	1.790	.3051	.3	1.21	.120
%RSD	27.19	247.6	107.4	.3352	2.293	3.596

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46390-a-1-d@5 Acquired: 11/4/2012 18:16:27 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.241	596.5	11.64	2368.
Stddev	.334	3.9	.92	19.
%RSD	26.87	.6491	7.944	.8121

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1492.4	34029.	11109.
Stddev	3.3	113.	181.
%RSD	.22268	.33237	1.6287

Sample Name: 460-45815-a-13-j@5 Acquired: 11/4/2012 18:20:17 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	73.31	1.653	-4.283	84.21	.0288	3989.
Stddev	13.15	1.522	.5181	.81	.0664	15.
%RSD	17.94	92.12	121.0	.9563	231.0	.3829

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0190	.7218	.1752	.9341	447.2	310.8
Stddev	.0546	.2192	.5198	2.633	9.9	19.6
%RSD	287.0	30.37	296.6	281.8	2.210	6.297

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	425.1	26.81	F 271200.	1.808	361.4	-.6237
Stddev	7.1	.14	2650.	1.372	1.3	.5952
%RSD	1.671	.5332	.9771	75.89	.3548	95.43

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.443	-1.133	-.1911	55.02	17.77	-.0850
Stddev	2.319	.277	.2832	.36	.08	.2424
%RSD	94.93	24.40	148.2	.6495	.4509	285.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-45815-a-13-j@5 Acquired: 11/4/2012 18:20:17 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3966	19.26	-.4465	282.1
Stddev	.7275	.05	.8567	19.5
%RSD	183.4	.2842	191.8	6.903

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1541.5	34735.	11041.
Stddev	4.0	189.	100.
%RSD	.26041	.54553	.91006

Sample Name: 460-46561-f-6-b du@4 Acquired: 11/4/2012 18:24:08 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16760.	10.98	-1.319	224.3	2.004	9066.
Stddev	31.	2.76	.101	.5	.088	14.
%RSD	.1873	25.17	7.664	.2082	4.415	.1506

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1811	23.39	65.43	6.273	82770.	2453.
Stddev	.1599	.30	.68	.910	209.	6.
%RSD	88.28	1.271	1.044	14.51	.2519	.2285

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5592.	854.5	663.6	41.14	34.07	2.486
Stddev	29.	1.4	61.3	.94	1.77	2.603
%RSD	.5164	.1587	9.233	2.293	5.212	104.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.192	-3.113	65.38	62.50	19.06	1.374
Stddev	2.632	3.047	.27	.14	.54	.319
%RSD	220.7	97.86	.4105	.2170	2.817	23.25

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46561-f-6-b du@4 Acquired: 11/4/2012 18:24:08 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.745	33.28	832.6	983.3
Stddev	1.027	.06	2.8	20.5
%RSD	37.42	.1945	.3329	2.086

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1688.0	38889.	11623.
Stddev	3.2	114.	28.
%RSD	.18696	.29406	.23783

Sample Name: 460-46561-f-6-a@4 Acquired: 11/4/2012 18:27:46 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16020.	12.08	-1.189	218.6	2.006	9289.
Stddev	53.	3.75	.024	.6	.069	33.
%RSD	.3317	31.02	2.041	.2845	3.453	.3567

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0279	18.40	62.05	4.578	82300.	2408.
Stddev	.0696	.26	.50	2.415	354.	1.
%RSD	249.2	1.437	.8087	52.75	.4303	.0280

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5211.	727.9	581.0	36.34	27.81	1.563
Stddev	43.	2.7	10.6	.58	1.44	.455
%RSD	.8223	.3643	1.832	1.602	5.186	29.10

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.309	-.5421	61.84	53.14	18.02	1.658
Stddev	2.601	.5220	.33	.05	.87	.246
%RSD	112.6	96.29	.5382	.0966	4.833	14.83

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46561-f-6-a@4 Acquired: 11/4/2012 18:27:46 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.701	32.48	818.6	944.4
Stddev	.607	.13	4.0	31.1
%RSD	22.46	.3926	.4877	3.289

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1704.0	39285.	11705.
Stddev	4.4	110.	94.
%RSD	.25812	.27925	.79886

Sample Name: lcssrm 460-134309/2- Acquired: 11/4/2012 18:31:25 Type: QC

Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28910.	765.0	186.3	1000.	512.7	33730.
Stddev	48.	1.9	.8	1.	.9	34.
%RSD	.1662	.2514	.4388	.0820	.1717	.0998

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	499.2	655.7	588.6	544.1	60870.	12570.
Stddev	.4	1.1	1.4	2.1	131.	36.
%RSD	.0731	.1689	.2378	.3802	.2146	.2848

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11310.	1796.	1504.	350.0	378.3	1008.
Stddev	36.	4.	7.	1.5	1.8	2.
%RSD	.3178	.2139	.4542	.4281	.4829	.1730

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	584.3	1079.	416.5	1316.	378.3	326.6
Stddev	6.0	2.	1.0	2.	1.7	.3
%RSD	1.031	.1849	.2418	.1761	.4430	.1012

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-134309/2- Acquired: 11/4/2012 18:31:25 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	702.1	618.0	795.8	1167.
Stddev	1.3	1.4	2.5	72.
%RSD	.1837	.2284	.3202	6.160

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1659.0	38250.	11607.
Stddev	1.0	26.	83.
%RSD	.06308	.06846	.71666

Sample Name: CCV Acquired: 11/4/2012 18:34:57 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126100.	2519.	1248.	10290.	1003.	130500.
Stddev	169.	9.	1.	12.	1.	181.
%RSD	.1339	.3708	.0729	.1182	.1307	.1387

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1285.	2567.	5135.	12500.	101900.	51140.
Stddev	3.	2.	4.	4.	161.	56.
%RSD	.2370	.0960	.0694	.0331	.1576	.1088

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127400.	5175.	128700.	2595.	7807.	1006.
Stddev	121.	6.	66.	6.	18.	1.
%RSD	.0949	.1231	.0515	.2178	.2296	.0717

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2497.	2575.	2543.	2564.	1000.	2537.
Stddev	14.	3.	3.	7.	5.	5.
%RSD	.5543	.1259	.1137	.2822	.4950	.1952

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/4/2012 18:34:57 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1021.	5101.	10100.	9802.
Stddev	2.	61.	16.	105.
%RSD	.1925	1.205	.1611	1.072

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1484.3	34117.	10749.
Stddev	2.3	38.	66.
%RSD	.15390	.11115	.61367

Sample Name: CCB Acquired: 11/4/2012 18:38:31 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.000	.2273	-.0180	.2657	.0773	7.778
Stddev	11.86	2.371	.7466	.6883	.0785	10.17
%RSD	237.2	1043.	4139.	259.1	101.5	130.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0251	.1894	.4373	.8282	4.318	43.39
Stddev	.1055	.0619	.0821	1.671	9.912	30.83
%RSD	421.0	32.70	18.77	201.8	229.6	71.05

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.99	.4488	9.624	-.8455	1.727	.8457
Stddev	7.52	.3925	24.50	.3717	1.181	1.826
%RSD	68.41	87.45	254.6	43.97	68.40	216.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8396	-.0029	.1696	.5003	1.437	2.529
Stddev	.2769	2.245	.3872	.2880	.888	.644
%RSD	32.98	78670.	228.3	57.57	61.79	25.48

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/4/2012 18:38:31 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0878	.4145	1.788	1.632
Stddev	.6741	.4902	.667	17.93
%RSD	767.6	118.3	37.33	1099.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1644.3	38189.	11019.
Stddev	2.7	93.	21.
%RSD	.16512	.24458	.18859

Sample Name: mb 460-134309/1-a@2 Acquired: 11/4/2012 18:42:16 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.61	-.0614	.0185	.1176	-.0691	39.98
Stddev	5.32	3.423	.3618	.2172	.0192	1.41
%RSD	28.61	5570.	1955.	184.6	27.79	3.540

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0378	.1885	.1136	.7574	-6.783	21.37
Stddev	.0246	.3287	.4328	2.309	6.631	12.83
%RSD	65.03	174.4	380.8	304.9	97.75	60.05

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.594	.0887	-11.18	.0448	.8239	1.374
Stddev	4.975	.0806	7.22	.5660	1.773	1.265
%RSD	108.3	90.87	64.54	1262.	215.2	92.04

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5789	-.4000	.2846	.9896	5.257	.5158
Stddev	2.941	.4254	.2166	.3034	.876	.3960
%RSD	508.1	106.4	76.12	30.66	16.66	76.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-134309/1-a@2 Acquired: 11/4/2012 18:42:16 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4054	.3259	-.3976	40.87
Stddev	.8336	.0346	.4425	26.14
%RSD	205.6	10.62	111.3	63.96

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1634.5	38176.	10975.
Stddev	5.5	132.	20.
%RSD	.33556	.34566	.18066

Sample Name: sd 460-46561-f-6-a@2 Acquired: 11/4/2012 18:45:59 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3244.	6.112	-.5302	44.10	.3357	1878.
Stddev	7.	.319	.4933	.23	.0734	5.
%RSD	.2295	5.217	93.04	.5300	21.87	.2506

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1135	3.873	12.64	.2387	16830.	481.8
Stddev	.0063	.132	.53	2.160	21.	17.4
%RSD	5.512	3.406	4.185	905.0	.1240	3.614

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1086.	148.8	77.53	7.685	8.019	.5409
Stddev	7.	.4	5.37	.392	.693	1.279
%RSD	.6464	.2697	6.926	5.106	8.644	236.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.886	-.1322	12.29	10.60	4.292	.3636
Stddev	4.245	.8887	.63	.23	.129	.2083
%RSD	86.88	672.1	5.146	2.151	2.993	57.30

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-46561-f-6-a@2 Acquired: 11/4/2012 18:45:59 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3253	6.570	161.8	177.8
Stddev	.3760	.044	.8	6.2
%RSD	115.6	.6657	.5112	3.514

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1676.1	38638.	11119.
Stddev	2.4	129.	77.
%RSD	.14371	.33430	.69108

Sample Name: 460-46561-f-6-c ms@4 Acquired: 11/4/2012 18:49:40 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24880.	900.1	21.67	1208.	25.90	20010.
Stddev	27.	1.7	.50	3.	.06	36.
%RSD	.1072	.1875	2.330	.2461	.2494	.1823

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.96	266.5	169.6	124.4	91160.	11580.
Stddev	.02	.3	.6	3.0	235.	51.
%RSD	.1035	.1055	.3394	2.437	.2573	.4376

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17110.	988.5	10320.	292.7	280.3	216.5
Stddev	53.	1.9	15.	1.5	2.0	2.0
%RSD	.3095	.1945	.1459	.4988	.7091	.9054

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	872.5	1016.	308.4	310.9	224.9	229.6
Stddev	2.8	5.	1.2	.5	1.9	.2
%RSD	.3190	.4577	.4002	.1647	.8435	.0916

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46561-f-6-c ms@4 Acquired: 11/4/2012 18:49:40 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	241.9	270.6	1190.	2259.
Stddev	1.1	.1	3.	146.
%RSD	.4447	.0548	.2750	6.462

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1649.3	37801.	11361.
Stddev	4.7	126.	40.
%RSD	.28679	.33440	.34994

Sample Name: pds 460-46561-f-6-a@ Acquired: 11/4/2012 18:53:14 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17910.	1773.	42.10	2144.	48.65	29280.
Stddev	22.	3.	.75	3.	.10	28.
%RSD	.1217	.1505	1.785	.1536	.2112	.0972

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46.90	491.2	252.9	229.9	83000.	21030.
Stddev	.11	.6	2.3	.4	126.	21.
%RSD	.2385	.1224	.9209	.1864	.1523	.0999

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23810.	1205.	19690.	514.8	507.7	427.1
Stddev	93.	3.	21.	.6	2.1	2.8
%RSD	.3912	.2201	.1063	.1070	.4227	.6452

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1739.	1983.	524.2	522.4	464.4	450.8
Stddev	3.	10.	1.8	1.1	2.1	1.3
%RSD	.1638	.4947	.3475	.2174	.4540	.2942

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-46561-f-6-a@ Acquired: 11/4/2012 18:53:14 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	467.7	487.3	1285.	1052.
Stddev	3.4	.7	4.	17.
%RSD	.7163	.1388	.3279	1.636

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1661.1	38087.	11524.
Stddev	1.0	44.	25.
%RSD	.06089	.11625	.21295

Sample Name: 460-46493-b-7-b@4 Acquired: 11/4/2012 18:56:46 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12370.	8.629	-1.130	51.42	1.225	911.0
Stddev	20.	.473	.679	.09	.010	10.6
%RSD	.1617	5.483	60.10	.1805	.8167	1.160

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.191	22.13	26.26	17.55	25770.	1100.
Stddev	.0361	.28	.81	1.06	63.	27.
%RSD	16.48	1.255	3.067	6.066	.2454	2.458

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2158.	265.9	147.0	15.39	9.941	3.861
Stddev	12.	.7	7.8	.50	1.231	2.423
%RSD	.5606	.2558	5.323	3.275	12.39	62.75

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.083	-2.486	42.73	58.41	5.276	1.583
Stddev	3.197	4.235	.66	.19	1.249	.414
%RSD	153.5	170.4	1.534	.3276	23.67	26.13

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46493-b-7-b@4 Acquired: 11/4/2012 18:56:46 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8966	11.73	550.4	667.5
Stddev	.3651	.16	.5	2.9
%RSD	40.72	1.331	.0874	.4279

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1686.2	38825.	11331.
Stddev	2.3	97.	38.
%RSD	.13538	.25098	.33936

Sample Name: 460-46493-b-8-b@4 Acquired: 11/4/2012 19:00:26 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46170.	22.83	-1.671	315.4	3.006	10250.
Stddev	79.	1.35	.406	.5	.057	20.
%RSD	.1708	5.920	24.32	.1529	1.911	.1920

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.822	45.47	104.4	54.50	86390.	11200.
Stddev	.198	.31	1.0	1.31	87.	21.
%RSD	10.89	.6786	.9631	2.413	.1005	.1879

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19960.	2191.	314.1	76.59	26.47	-.1046
Stddev	67.	3.	6.3	.62	1.23	1.840
%RSD	.3377	.1184	1.995	.8070	4.634	1760.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.501	-3.123	128.0	270.5	6.225	3.100
Stddev	3.308	.610	1.1	.3	.746	.445
%RSD	220.3	19.54	.8764	.1096	11.98	14.36

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46493-b-8-b@4 Acquired: 11/4/2012 19:00:26 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.324	41.55	3197.	711.3
Stddev	1.033	.01	7.	36.4
%RSD	31.06	.0207	.2220	5.115

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1696.5	38863.	11611.
Stddev	2.8	90.	62.
%RSD	.16557	.23238	.53443

Sample Name: 460-46499-b-1-b@4 Acquired: 11/4/2012 19:04:03 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53230.	29.59	-1.627	408.7	3.121	11470.
Stddev	87.	.93	.434	.7	.018	13.
%RSD	.1630	3.133	26.65	.1677	.5596	.1172

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4182	43.28	121.0	73.08	96090.	14350.
Stddev	.1438	.35	.3	1.21	147.	29.
%RSD	34.38	.8159	.2726	1.653	.1527	.1992

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24970.	1504.	459.4	81.20	32.95	-3.395
Stddev	92.	2.	2.3	.61	.85	1.596
%RSD	.3680	.1425	.5004	.7489	2.570	47.02

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.803	-2.843	148.0	223.3	3.762	1.484
Stddev	2.561	2.728	1.0	.3	.399	.122
%RSD	44.13	95.95	.6970	.1423	10.60	8.240

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46499-b-1-b@4 Acquired: 11/4/2012 19:04:03 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.052	43.89	3808.	814.3
Stddev	1.169	.10	13.	50.9
%RSD	23.14	.2244	.3352	6.248

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1669.8	38240.	11507.
Stddev	.9	58.	20.
%RSD	.05635	.15268	.17520

Sample Name: 460-46499-b-2-b@4 Acquired: 11/4/2012 19:07:40 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3211.	1.720	-.0974	19.97	.1477	586.7
Stddev	5.	1.256	.3803	.45	.0625	8.1
%RSD	.1497	73.01	390.4	2.257	42.31	1.388

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1108	3.333	11.43	4.434	8903.	532.3
Stddev	.0947	.248	.17	1.439	36.	33.4
%RSD	85.45	7.438	1.475	32.45	.4068	6.268

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	829.3	92.40	-.5995	5.001	4.606	.5309
Stddev	5.2	.39	2.620	.234	.405	1.016
%RSD	.6325	.4170	437.0	4.683	8.785	191.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.074	-.0105	14.06	13.85	2.845	-.0270
Stddev	3.578	2.065	.25	.11	.487	.3123
%RSD	333.2	19700.	1.766	.7611	17.12	1156.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46499-b-2-b@4 Acquired: 11/4/2012 19:07:40 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8657	3.006	231.3	427.4
Stddev	.4727	.026	1.0	17.3
%RSD	54.61	.8704	.4182	4.058

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1658.9	38509.	11285.
Stddev	1.3	43.	7.
%RSD	.07555	.11176	.06510

Sample Name: 460-46499-b-3-b@4 Acquired: 11/4/2012 19:11:21 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3301.	.7411	.4305	23.62	.1012	214.8
Stddev	9.	.2171	.2805	.03	.0460	3.4
%RSD	.2578	29.29	65.16	.1250	45.51	1.590

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0716	.9163	13.24	1.553	3294.	311.6
Stddev	.1284	.2271	.37	3.909	15.	23.3
%RSD	179.4	24.78	2.764	251.7	.4689	7.493

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	485.9	26.26	-19.28	4.359	8.507	.4137
Stddev	4.5	.25	.64	.273	.581	2.362
%RSD	.9200	.9548	3.336	6.267	6.825	571.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4545	2.483	4.872	26.46	3.204	.7753
Stddev	3.947	2.178	.187	.08	.157	.0196
%RSD	868.4	87.72	3.837	.3046	4.889	2.531

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46499-b-3-b@4 Acquired: 11/4/2012 19:11:21 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2686	3.242	156.3	416.2
Stddev	.2164	.103	.4	2.2
%RSD	80.56	3.168	.2543	.5269

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1664.0	38569.	11209.
Stddev	2.6	194.	26.
%RSD	.15698	.50397	.22792

Sample Name: 460-46499-b-4-b@4 Acquired: 11/4/2012 19:15:04 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3586.	1.951	-.5317	15.31	.1132	226.2
Stddev	9.	1.340	.4796	.09	.0596	6.5
%RSD	.2414	68.66	90.20	.5924	52.67	2.877

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2619	2.793	8.823	.1165	4686.	270.9
Stddev	.1809	.175	.264	1.311	8.	6.4
%RSD	69.07	6.280	2.986	1126.	.1723	2.345

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	874.8	45.36	28.10	6.272	1.846	2.319
Stddev	.9	.11	5.04	.543	1.749	2.755
%RSD	.0980	.2464	17.93	8.651	94.74	118.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.450	-2.993	3.871	78.54	2.934	1.106
Stddev	3.848	2.512	.127	.24	1.313	.271
%RSD	265.4	83.92	3.285	.3062	44.74	24.51

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46499-b-4-b@4 Acquired: 11/4/2012 19:15:04 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8819	2.174	115.1	512.2
Stddev	.3641	.091	.7	11.3
%RSD	41.28	4.206	.6249	2.200

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1665.2	38707.	11265.
Stddev	3.2	109.	47.
%RSD	.19331	.28049	.41462

Sample Name: CCV Acquired: 11/4/2012 19:18:46 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126100.	2526.	1251.	10300.	1002.	130500.
Stddev	138.	6.	5.	18.	2.	206.
%RSD	.1091	.2249	.4196	.1757	.1684	.1575

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1290.	2574.	5143.	12530.	102300.	51300.
Stddev	2.	3.	17.	12.	345.	159.
%RSD	.1837	.1061	.3280	.0946	.3369	.3093

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127600.	5190.	128800.	2588.	7831.	1006.
Stddev	546.	17.	274.	3.	10.	2.
%RSD	.4279	.3191	.2126	.1280	.1332	.2248

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2516.	2588.	2552.	2562.	1003.	2551.
Stddev	2.	12.	9.	6.	1.	5.
%RSD	.0785	.4754	.3414	.2343	.1321	.2086

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/4/2012 19:18:46 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1023.	5108.	10130.	9880.
Stddev	2.	52.	21.	116.
%RSD	.1540	1.013	.2069	1.177

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1483.3	34103.	10907.
Stddev	2.4	138.	39.
%RSD	.16286	.40387	.35558

Sample Name: CCB Acquired: 11/4/2012 19:22:20 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.735	.3267	-.1866	.5697	.1017	7.658
Stddev	11.88	.4401	.5729	.4806	.1025	14.80
%RSD	136.0	134.7	307.0	84.36	100.8	193.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0122	.2426	-.0566	.2728	16.36	75.50
Stddev	.1110	.0712	.6174	.5480	7.88	38.61
%RSD	910.2	29.37	1091.	200.9	48.15	51.15

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.79	.4509	-15.87	.6436	-.1640	3.369
Stddev	7.07	.2984	29.95	.6072	1.246	1.372
%RSD	59.95	66.19	188.7	94.35	759.5	40.73

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.041	-.7084	-.1564	.5044	2.014	2.841
Stddev	7.310	2.946	.5570	.1466	.820	.175
%RSD	358.2	415.8	356.2	29.07	40.70	6.172

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/4/2012 19:22:20 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-0.0902	.4628	1.187	-2.130
Stddev	.5641	.4356	.817	16.44
%RSD	625.5	94.14	68.85	771.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1641.2	38002.	10982.
Stddev	.8	79.	6.
%RSD	.05121	.20743	.05548

Sample Name: 460-46499-b-5-b@4 Acquired: 11/4/2012 19:26:05 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2635.	4.383	-.2433	16.74	.1429	478.3
Stddev	25.	2.104	.5463	.31	.0451	4.2
%RSD	.9495	48.00	224.6	1.826	31.55	.8766

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1409	2.765	11.40	3.751	8414.	454.7
Stddev	.0809	.368	.26	.749	13.	11.7
%RSD	57.41	13.33	2.290	19.97	.1548	2.567

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	701.3	94.36	-17.46	5.589	4.487	1.485
Stddev	7.5	.36	4.31	.899	1.303	1.537
%RSD	1.065	.3790	24.70	16.08	29.04	103.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.739	2.515	10.47	12.32	2.925	.7286
Stddev	.775	.882	.86	.14	.498	.6652
%RSD	28.30	35.07	8.206	1.171	17.02	91.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46499-b-5-b@4 Acquired: 11/4/2012 19:26:05 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4579	2.613	190.7	396.9
Stddev	.1929	.041	1.5	14.4
%RSD	42.11	1.553	.7757	3.627

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1653.4	38302.	11054.
Stddev	2.2	121.	45.
%RSD	.13312	.31653	.40750

Sample Name: 460-46561-a-1-a@4 Acquired: 11/4/2012 19:29:46 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26580.	26.43	-1.057	323.6	2.606	79430.
Stddev	45.	.70	.285	1.1	.051	249.
%RSD	.1676	2.634	27.00	.3285	1.971	.3130

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3534	41.82	35.02	262.0	89600.	2453.
Stddev	.0500	.17	1.09	1.9	97.	10.
%RSD	14.14	.4058	3.099	.7248	.1079	.4212

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14730.	4149.	5397.	65.69	440.9	30.64
Stddev	18.	6.	13.	.71	4.6	.66
%RSD	.1196	.1469	.2319	1.089	1.038	2.151

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.356	-7.833	157.9	175.3	178.9	5.129
Stddev	.942	1.055	.2	.2	.8	.431
%RSD	39.97	13.47	.0958	.0858	.4383	8.400

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46561-a-1-a@4 Acquired: 11/4/2012 19:29:46 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	40.62	647.4	2494.	4531.
Stddev	1.02	2.2	8.	278.
%RSD	2.500	.3405	.3215	6.130

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1674.8	38486.	11692.
Stddev	4.7	30.	12.
%RSD	.28253	.07862	.10428

Sample Name: 460-46561-a-3-a@4 Acquired: 11/4/2012 19:33:22 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23690.	10.90	-.7446	244.9	1.875	15960.
Stddev	65.	3.94	.4460	.2	.013	52.
%RSD	.2750	36.09	59.90	.0898	.6655	.3232

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1894	30.90	75.19	18.82	98840.	3761.
Stddev	.2248	.29	1.17	.57	176.	23.
%RSD	118.7	.9351	1.559	3.015	.1780	.5998

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10160.	1911.	398.1	63.04	122.5	1.149
Stddev	42.	4.	3.9	.73	1.4	4.260
%RSD	.4138	.1876	.9889	1.165	1.163	370.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.227	-5.650	82.26	121.0	19.93	2.991
Stddev	1.085	2.355	.48	.3	.43	.420
%RSD	15.02	41.68	.5883	.2582	2.182	14.03

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46561-a-3-a@4 Acquired: 11/4/2012 19:33:22 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	22.38	46.66	1028.	752.2
Stddev	.41	.17	4.	12.2
%RSD	1.838	.3661	.3438	1.621

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1654.7	38161.	11452.
Stddev	2.3	96.	50.
%RSD	.13944	.25053	.43540

Sample Name: 460-46561-a-4-a@4 Acquired: 11/4/2012 19:37:01 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18760.	11.45	-1.779	238.4	1.971	6184.
Stddev	70.	3.04	.179	1.0	.002	17.
%RSD	.3722	26.58	10.07	.4238	.1153	.2668

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1546	29.49	67.98	8.226	85580.	2303.
Stddev	.1052	.15	.27	1.317	121.	28.
%RSD	68.00	.5039	.3962	16.01	.1410	1.209

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6203.	1685.	185.1	49.94	36.85	3.323
Stddev	3.	1.	2.5	.73	1.03	1.068
%RSD	.0413	.0493	1.330	1.460	2.787	32.14

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.895	-4.964	90.03	93.32	13.38	.3410
Stddev	4.239	4.161	.36	.29	.53	.1720
%RSD	86.60	83.82	.4022	.3061	3.942	50.44

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46561-a-4-a@4 Acquired: 11/4/2012 19:37:01 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.007	24.85	881.1	688.6
Stddev	.752	.04	2.7	9.3
%RSD	18.77	.1533	.3035	1.344

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1664.3	38093.	11260.
Stddev	2.9	65.	69.
%RSD	.17223	.17194	.61249

Sample Name: 460-46561-a-5-a@4 Acquired: 11/4/2012 19:40:39 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33340.	15.59	-1.260	349.6	2.160	9648.
Stddev	78.	1.93	.454	1.1	.075	21.
%RSD	.2329	12.34	36.03	.3102	3.479	.2201

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1420	36.10	73.18	56.88	94330.	3351.
Stddev	.1539	.16	.68	2.34	174.	20.
%RSD	108.4	.4554	.9306	4.116	.1840	.5897

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8982.	1783.	440.4	62.13	372.3	4.680
Stddev	20.	2.	4.7	.14	1.6	3.854
%RSD	.2256	.1305	1.062	.2209	.4215	82.34

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.423	-3.720	87.90	193.9	12.44	1.006
Stddev	2.119	4.703	.76	.3	.14	.132
%RSD	47.92	126.4	.8673	.1458	1.125	13.14

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46561-a-5-a@4 Acquired: 11/4/2012 19:40:39 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	17.03	44.35	694.5	971.7
Stddev	.90	.13	2.9	25.2
%RSD	5.311	.2957	.4123	2.590

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1645.8	37965.	11330.
Stddev	3.1	123.	12.
%RSD	.18557	.32335	.10561

Sample Name: 460-46561-a-7-a@4 Acquired: 11/4/2012 19:44:17 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19580.	12.57	-8066	331.9	2.165	9104.
Stddev	11.	3.25	.0626	.4	.018	15.
%RSD	.0579	25.89	7.764	.1194	.8097	.1621

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3030	28.07	71.23	38.42	78310.	2331.
Stddev	.1346	.21	.32	2.63	241.	3.
%RSD	44.41	.7518	.4551	6.847	.3080	.1426

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6741.	1856.	904.0	58.72	187.7	2.895
Stddev	9.	5.	2.4	.19	.6	4.110
%RSD	.1341	.2816	.2616	.3154	.3160	142.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.048	-4.666	88.26	168.3	15.02	1.191
Stddev	1.084	.638	.63	.2	.56	.582
%RSD	26.79	13.68	.7123	.1327	3.733	48.88

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46561-a-7-a@4 Acquired: 11/4/2012 19:44:17 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.886	35.56	757.9	854.9
Stddev	.138	.14	2.3	25.7
%RSD	2.009	.3933	.3026	3.009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1697.9	39096.	11678.
Stddev	1.1	17.	19.
%RSD	.06768	.04424	.16469

Sample Name: 460-46561-f-8-a@4 Acquired: 11/4/2012 19:47:54 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17050.	11.45	1.369	195.1	2.014	24920.
Stddev	58.	1.36	.578	.4	.036	93.
%RSD	.3387	11.84	42.19	.2100	1.786	.3714

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4972	35.73	69.81	72.04	95290.	3332.
Stddev	.1015	.28	.19	.49	143.	27.
%RSD	20.42	.7848	.2660	.6796	.1499	.8236

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18550.	2544.	617.6	85.19	137.7	1.420
Stddev	74.	3.	5.0	.51	1.8	2.134
%RSD	.3980	.1009	.8044	.5979	1.325	150.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9197	-6.097	88.56	186.7	23.99	2.031
Stddev	1.057	3.615	.59	.4	.70	.264
%RSD	114.9	59.28	.6615	.2018	2.908	13.01

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46561-f-8-a@4 Acquired: 11/4/2012 19:47:54 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.520	113.6	1226.	888.6
Stddev	.680	.3	2.	25.1
%RSD	12.33	.2501	.1440	2.826

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1658.0	38135.	11446.
Stddev	3.2	74.	86.
%RSD	.19242	.19289	.74699

Sample Name: 460-46561-a-9-a@4 Acquired: 11/4/2012 19:51:33 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26680.	16.52	-2.010	743.2	3.826	10470.
Stddev	65.	1.74	.800	1.0	.082	21.
%RSD	.2427	10.56	39.82	.1410	2.131	.1977

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2991	36.42	76.59	9.438	114000.	3376.
Stddev	.0915	.46	.48	2.467	111.	6.
%RSD	30.60	1.258	.6224	26.14	.0976	.1724

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7643.	2627.	148.5	56.58	43.13	4.106
Stddev	4.	3.	1.3	.44	1.62	1.590
%RSD	.0495	.1106	.8643	.7847	3.755	38.73

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-8.507	-7.827	80.57	89.40	17.52	.6880
Stddev	5.723	2.245	.37	.32	.25	.3484
%RSD	67.27	28.69	.4602	.3583	1.415	50.64

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46561-a-9-a@4 Acquired: 11/4/2012 19:51:33 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.143	30.51	998.9	822.7
Stddev	.535	.18	1.9	13.3
%RSD	17.03	.5830	.1885	1.615

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1664.7	38270.	11318.
Stddev	2.0	100.	25.
%RSD	.12256	.26007	.21894

Sample Name: 460-46561-a-10-a@4 Acquired: 11/4/2012 19:55:12 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34940.	3.430	-.2900	135.1	.5003	23550.
Stddev	50.	1.037	.5969	.2	.0571	33.
%RSD	.1423	30.23	205.8	.1463	11.41	.1403

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5461	45.27	54.65	261.2	77490.	939.8
Stddev	.2007	.31	.56	1.6	169.	23.6
%RSD	36.74	.6798	1.033	.5995	.2187	2.517

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35890.	964.5	4218.	97.09	11.16	2.683
Stddev	90.	.7	14.	1.31	1.67	2.394
%RSD	.2521	.0715	.3359	1.345	15.00	89.22

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.623	-1.883	138.9	207.3	57.44	-.4410
Stddev	2.534	2.727	.5	.3	.47	.3222
%RSD	45.07	144.9	.3872	.1401	.8213	73.07

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46561-a-10-a@4 Acquired: 11/4/2012 19:55:12 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.546	94.24	3983.	486.1
Stddev	.179	.26	5.	8.4
%RSD	7.030	.2734	.1362	1.722

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1630.0	37484.	11206.
Stddev	1.1	46.	26.
%RSD	.07033	.12241	.22880

Sample Name: 460-46531-a-1-b@4 Acquired: 11/4/2012 19:58:49 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24490.	10.53	-1.041	407.7	.8593	2454.
Stddev	81.	.78	.504	.9	.0209	6.
%RSD	.3301	7.377	48.38	.2148	2.437	.2566

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0755	5.975	37.84	24.83	23640.	1764.
Stddev	.2138	.188	.09	1.33	123.	16.
%RSD	283.1	3.153	.2312	5.372	.5201	.9345

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2164.	175.4	906.0	11.50	109.7	-.1330
Stddev	9.	.5	8.2	.21	1.4	1.160
%RSD	.3927	.3042	.9097	1.825	1.257	871.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2000	-1.828	70.45	99.94	8.288	.2722
Stddev	2.180	1.173	.45	.19	.775	.2574
%RSD	1090.	64.14	.6425	.1900	9.347	94.59

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46531-a-1-b@4 Acquired: 11/4/2012 19:58:49 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.585	38.44	192.5	1213.
Stddev	.629	.05	.7	12.
%RSD	13.72	.1364	.3796	.9967

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1668.2	38386.	11392.
Stddev	3.8	77.	62.
%RSD	.22667	.20070	.54675

Sample Name: CCV Acquired: 11/4/2012 20:02:29 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126800.	2516.	1257.	10310.	1002.	131300.
Stddev	52.	2.	4.	18.	.	209.
%RSD	.0413	.0841	.3481	.1719	.0448	.1590

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1293.	2574.	5170.	12560.	103100.	51690.
Stddev	2.	3.	5.	13.	187.	86.
%RSD	.1206	.1012	.0964	.1069	.1817	.1668

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	128700.	5219.	129600.	2591.	7852.	1005.
Stddev	236.	4.	121.	4.	10.	4.
%RSD	.1830	.0676	.0931	.1612	.1334	.3757

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2499.	2595.	2558.	2572.	1001.	2552.
Stddev	9.	6.	4.	4.	3.	1.
%RSD	.3564	.2233	.1612	.1413	.3295	.0473

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/4/2012 20:02:29 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1025.	5103.	10160.	9723.
Stddev	1.	106.	7.	104.
%RSD	.1042	2.084	.0655	1.069

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1479.9	33845.	10694.
Stddev	2.2	40.	49.
%RSD	.14586	.11947	.45615

Sample Name: CCB Acquired: 11/4/2012 20:06:02 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.671	.9372	-.4281	.3337	.0489	18.77
Stddev	24.58	1.682	.8199	.4567	.0989	16.92
%RSD	1471.	179.4	191.5	136.9	202.1	90.15

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1239	.2966	.3313	-.2400	7.815	72.97
Stddev	.1472	.2207	.5272	.4159	14.89	47.66
%RSD	118.8	74.41	159.1	173.3	190.5	65.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.558	.4030	-36.76	.2028	1.322	-.1073
Stddev	6.753	.3087	20.23	.7294	.279	1.077
%RSD	70.65	76.60	55.02	359.7	21.10	1004.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2481	-4.008	.1641	.5754	1.405	2.566
Stddev	2.326	2.043	.1327	.0607	.979	.614
%RSD	937.5	50.96	80.88	10.55	69.71	23.92

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/4/2012 20:06:02 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4891	.3820	1.863	-11.16
Stddev	.6336	.5485	.586	6.28
%RSD	129.5	143.6	31.45	56.25

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1643.5	38064.	10896.
Stddev	.6	26.	44.
%RSD	.03805	.06851	.40565

Sample Name: 460-46531-a-2-b@4 Acquired: 11/4/2012 20:09:47 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	68380.	44.21	-1.527	178.1	2.252	1962.
Stddev	135.	2.12	.755	.1	.095	8.
%RSD	.1967	4.788	49.44	.0721	4.200	.3855

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3028	12.17	136.7	40.17	134500.	2871.
Stddev	.1450	.27	.9	.29	330.	17.
%RSD	47.88	2.255	.6817	.7168	.2449	.5969

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6648.	265.7	349.1	28.42	49.32	3.799
Stddev	18.	.2	5.5	.18	1.06	.578
%RSD	.2738	.0848	1.575	.6346	2.151	15.21

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9107	-1.034	210.9	101.2	13.02	3.240
Stddev	8.027	.964	.4	.1	1.05	.278
%RSD	881.4	93.26	.1790	.1044	8.045	8.589

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46531-a-2-b@4 Acquired: 11/4/2012 20:09:47 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.283	19.61	1113.	902.9
Stddev	.588	.12	2.	3.3
%RSD	13.73	.5918	.1348	.3608

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1655.6	37948.	11438.
Stddev	.9	56.	61.
%RSD	.05571	.14862	.53097

Sample Name: 460-46532-a-2-b@4 Acquired: 11/4/2012 20:13:27 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50190.	18.54	-1.233	246.6	1.616	1706.
Stddev	159.	1.93	.193	.4	.062	3.
%RSD	.3165	10.42	15.66	.1586	3.860	.1674

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1795	14.66	89.32	21.82	71430.	1419.
Stddev	.1409	.50	.53	1.13	180.	10.
%RSD	78.52	3.407	.5890	5.168	.2523	.6920

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5343.	269.2	2077.	28.18	49.00	1.922
Stddev	41.	.5	4.	.68	1.13	2.137
%RSD	.7708	.1829	.1945	2.430	2.309	111.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.099	-1.142	140.0	86.85	4.427	.6211
Stddev	2.755	.560	.9	.44	.271	.4608
%RSD	250.7	49.05	.6767	.5086	6.116	74.19

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46532-a-2-b@4 Acquired: 11/4/2012 20:13:27 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.618	15.01	869.9	882.6
Stddev	.661	.11	2.4	7.5
%RSD	25.25	.7518	.2728	.8449

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1653.4	37900.	11331.
Stddev	2.2	5.	58.
%RSD	.13393	.01349	.51114

Sample Name: 460-46532-a-1-b@4 Acquired: 11/4/2012 20:17:04 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42360.	9.599	-1.227	1175.	5.487	2563.
Stddev	69.	3.290	.863	.	.105	3.
%RSD	.1625	34.28	70.37	.0332	1.907	.1007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9532	18.57	161.0	46.25	22980.	1723.
Stddev	.0770	.14	.4	.71	56.	19.
%RSD	8.074	.7301	.2753	1.533	.2451	1.102

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6923.	194.2	1072.	39.95	125.6	3.193
Stddev	17.	.1	2.	.30	1.2	1.432
%RSD	.2494	.0263	.1800	.7465	.9284	44.85

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.844	-2.483	73.45	155.3	10.76	.7532
Stddev	6.088	2.946	.47	.1	1.21	.1485
%RSD	125.7	118.7	.6375	.0759	11.23	19.72

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46532-a-1-b@4 Acquired: 11/4/2012 20:17:04 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.283	51.16	425.8	881.4
Stddev	.228	.10	2.1	9.0
%RSD	3.623	.1955	.4966	1.024

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1782.8	40610.	12014.
Stddev	5.4	190.	51.
%RSD	.30251	.46672	.42631

Sample Name: 460-46579-e-1-b du Acquired: 11/4/2012 20:20:42 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	61.23	4.523	-.0947	45.69	-.0924	44410.
Stddev	9.45	3.440	.1630	.16	.0354	51.
%RSD	15.43	76.04	172.1	.3528	38.32	.1148

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1443	.0377	.3955	.9078	57.29	3101.
Stddev	.1817	.3320	.3462	1.524	10.81	5.
%RSD	125.9	881.1	87.53	167.9	18.86	.1767

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17300.	37.37	50640.	.5788	4.260	-.8828
Stddev	14.	.05	73.	.0913	2.231	2.062
%RSD	.0796	.1458	.1449	15.78	52.37	233.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.762	-2.831	9.238	1.986	85.76	.6637
Stddev	4.473	3.250	.694	.114	.64	.5710
%RSD	253.9	114.8	7.510	5.733	.7509	86.02

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46579-e-1-b du Acquired: 11/4/2012 20:20:42 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5591	436.8	3.214	13280.
Stddev	.7459	.6	.148	66.
%RSD	133.4	.1438	4.601	.4976

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1586.4	36422.	11088.
Stddev	2.2	68.	63.
%RSD	.13943	.18799	.56696

Sample Name: 460-46579-e-1-a Acquired: 11/4/2012 20:24:24 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	61.18	6.894	-.4819	47.20	-.0508	45750.
Stddev	6.04	1.066	.0346	.34	.0487	115.
%RSD	9.866	15.46	7.186	.7281	95.94	.2506

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0945	.4458	.4667	-.3071	48.71	3203.
Stddev	.1760	.1798	.5643	.4901	10.44	39.
%RSD	186.3	40.32	120.9	159.6	21.44	1.227

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17890.	38.77	52190.	.6495	2.538	1.972
Stddev	51.	.31	150.	1.231	.363	4.027
%RSD	.2832	.8070	.2865	189.6	14.30	204.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8179	-3.084	9.454	2.127	88.44	.9165
Stddev	2.818	2.248	.263	.343	.65	.1445
%RSD	344.5	72.88	2.778	16.13	.7308	15.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46579-e-1-a Acquired: 11/4/2012 20:24:24 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5097	448.5	3.231	13650.
Stddev	.5649	1.2	.762	21.
%RSD	110.8	.2729	23.57	.1529

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1582.0	36252.	11096.
Stddev	2.1	96.	73.
%RSD	.13144	.26359	.66052

Sample Name: sd 460-46579-e-1-a@5 Acquired: 11/4/2012 20:28:06 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.820	2.373	-.2416	9.418	-.0297	9147.
Stddev	9.905	1.584	.3601	.293	.0357	15.
%RSD	205.5	66.74	149.0	3.113	120.3	.1618

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0151	.0822	-.1574	-1.407	8.176	643.7
Stddev	.1460	.2275	.5147	.406	6.152	16.5
%RSD	967.8	276.7	326.9	28.87	75.24	2.569

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3623.	7.699	10370.	.0625	1.249	1.257
Stddev	15.	.054	16.	.6907	3.159	4.187
%RSD	.4026	.7045	.1560	1106.	253.0	333.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0663	-2.804	2.333	.2476	17.48	-.1346
Stddev	5.704	2.036	.282	.2599	.50	.4401
%RSD	8608.	72.61	12.11	105.0	2.866	326.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-46579-e-1-a@5 Acquired: 11/4/2012 20:28:06 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0903	89.71	-.3156	2570.
Stddev	.3371	.19	.3925	3.
%RSD	373.2	.2109	124.4	.1173

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1631.4	37522.	11024.
Stddev	1.0	82.	48.
%RSD	.06361	.21958	.43394

Sample Name: 460-46579-e-1-c.ms Acquired: 11/4/2012 20:31:48 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2086.	1967.	48.06	2143.	50.63	66710.
Stddev	9.	4.	.32	3.	.19	99.
%RSD	.4146	.1848	.6751	.1438	.3661	.1483

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.57	512.1	206.2	247.6	1080.	23540.
Stddev	.16	.6	.6	3.4	14.	75.
%RSD	.3199	.1180	.3046	1.367	1.263	.3182

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37890.	562.5	72310.	518.2	519.7	476.7
Stddev	86.	.8	106.	2.5	1.2	5.1
%RSD	.2269	.1477	.1472	.4803	.2342	1.077

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1938.	2140.	517.7	511.4	585.7	492.2
Stddev	2.	12.	2.3	.6	.3	.2
%RSD	.1239	.5415	.4452	.1208	.0518	.0446

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46579-e-1-c.ms Acquired: 11/4/2012 20:31:48 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	509.7	942.3	503.3	13740.
Stddev	2.3	.6	1.9	27.
%RSD	.4563	.0655	.3682	.1947

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1557.6	35720.	10973.
Stddev	2.8	133.	34.
%RSD	.18257	.37347	.31191

Sample Name: pds 460-46579-e-1-a Acquired: 11/4/2012 20:35:19 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2013.	1924.	46.79	2088.	49.22	65430.
Stddev	13.	5.	.20	3.	.01	112.
%RSD	.6629	.2733	.4202	.1252	.0214	.1706

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.26	499.0	201.8	239.0	1056.	22990.
Stddev	.26	1.1	2.3	.9	5.	37.
%RSD	.5142	.2264	1.118	.3855	.4821	.1631

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37250.	549.2	71090.	504.8	509.4	469.0
Stddev	166.	1.0	102.	1.8	1.9	3.8
%RSD	.4462	.1808	.1437	.3603	.3754	.8085

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1895.	2105.	504.5	499.8	572.3	480.6
Stddev	3.	2.	.4	.8	.2	1.6
%RSD	.1681	.1069	.0870	.1622	.0421	.3389

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-46579-e-1-a Acquired: 11/4/2012 20:35:19 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	497.9	921.6	489.4	13770.
Stddev	1.6	.7	1.5	86.
%RSD	.3267	.0724	.2999	.6214

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1556.4	35705.	11117.
Stddev	1.3	106.	59.
%RSD	.08104	.29580	.52723

Sample Name: 460-46575-d-1-b Acquired: 11/4/2012 20:38:50 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5736.	7.031	-.6362	178.8	.2010	22780.
Stddev	19.	.751	.4973	.4	.0295	62.
%RSD	.3313	10.68	78.17	.2278	14.69	.2718

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2538	2.725	13.94	6.585	10610.	3938.
Stddev	.0450	.400	.68	1.955	22.	26.
%RSD	17.74	14.67	4.905	29.69	.2037	.6501

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7219.	112.7	13580.	5.965	13.74	.3515
Stddev	25.	.6	20.	.225	1.64	3.513
%RSD	.3402	.5304	.1470	3.777	11.94	999.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.342	2.424	25.21	55.29	74.20	1.242
Stddev	3.682	1.816	.42	.34	.55	.381
%RSD	84.80	74.92	1.680	.6196	.7465	30.63

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46575-d-1-b Acquired: 11/4/2012 20:38:50 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4028	112.5	112.0	12330.
Stddev	.5860	.4	1.1	74.
%RSD	145.5	.3142	.9566	.6018

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1628.4	37553.	11276.
Stddev	1.7	32.	34.
%RSD	.10296	.08422	.30270

Sample Name: lcs 460-134351/2-a Acquired: 11/4/2012 20:42:30 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1997.	1912.	47.25	2090.	49.68	21500.
Stddev	18.	2.	.60	1.	.14	14.
%RSD	.8770	.1027	1.277	.0502	.2875	.0628

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.37	513.8	205.0	244.3	1024.	20150.
Stddev	.17	1.1	.2	1.7	6.	24.
%RSD	.3217	.2051	.0805	.7013	.5493	.1183

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20410.	524.0	20660.	521.4	528.1	463.1
Stddev	74.	.8	18.	.9	1.3	1.8
%RSD	.3642	.1447	.0857	.1676	.2493	.3971

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1890.	2209.	498.3	510.1	505.7	486.1
Stddev	3.	6.	.4	.3	1.8	.8
%RSD	.1499	.2761	.0772	.0623	.3553	.1630

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-134351/2-a Acquired: 11/4/2012 20:42:30 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	508.7	490.5	492.7	245.3
Stddev	1.1	.7	1.1	47.9
%RSD	.2134	.1427	.2159	19.52

Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1598.9	36789.	11052.
Stddev	1.4	71.	16.
%RSD	.08949	.19238	.14297

Sample Name: CCV Acquired: 11/4/2012 20:46:05 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126700.	2527.	1254.	10320.	1003.	131000.
Stddev	101.	4.	4.	4.	.	147.
%RSD	.0800	.1772	.2917	.0343	.0152	.1119

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1290.	2574.	5143.	12530.	102300.	51730.
Stddev	1.	3.	14.	18.	315.	73.
%RSD	.0706	.1021	.2715	.1399	.3084	.1407

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127300.	5186.	129600.	2596.	7827.	1007.
Stddev	380.	12.	106.	2.	12.	5.
%RSD	.2987	.2326	.0821	.0766	.1563	.5371

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2510.	2585.	2551.	2563.	1003.	2549.
Stddev	6.	3.	7.	1.	1.	3.
%RSD	.2572	.1100	.2922	.0438	.0562	.1033

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/4/2012 20:46:05 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1026.	5187.	10140.	9766.
Stddev	4.	52.	8.	118.
%RSD	.3992	1.005	.0791	1.209

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1477.4	34033.	10714.
Stddev	1.1	75.	9.
%RSD	.07767	.21903	.08455

Sample Name: CCB Acquired: 11/4/2012 20:49:37 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.682	2.271	-6895	.5369	.0501	3.378
Stddev	13.05	.938	.7447	.4181	.1255	10.73
%RSD	169.8	41.32	108.0	77.88	250.3	317.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0120	.5324	.1508	.5823	12.69	65.94
Stddev	.1903	.3337	.4295	.7564	17.01	47.09
%RSD	1591.	62.67	284.8	129.9	134.1	71.41

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.787	.4122	-42.57	-.2499	.9117	1.799
Stddev	5.444	.4071	29.56	.3325	3.263	.876
%RSD	69.91	98.76	69.44	133.1	357.8	48.70

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6673	-.0574	-.0279	.4752	1.647	2.571
Stddev	1.659	2.497	.4885	.2084	.793	.246
%RSD	248.6	4350.	1749.	43.85	48.14	9.583

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/4/2012 20:49:37 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2995	.4883	2.452	-3.792
Stddev	.4053	.4751	.623	19.80
%RSD	135.3	97.31	25.40	522.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1636.6	37957.	11012.
Stddev	1.1	190.	32.
%RSD	.06872	.50105	.29409

Sample Name: mb 460-134351/1-a Acquired: 11/4/2012 20:53:23 Type: QC

Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.37	2.883	-.2313	.2088	-.0514	15.57
Stddev	.93	1.955	.4352	.1507	.0809	1.61
%RSD	3.827	67.83	188.1	72.17	157.4	10.37

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0239	.0463	-.0231	-1.000	-1.067	23.88
Stddev	.0982	.1634	.3882	2.043	6.768	10.46
%RSD	411.3	353.3	1679.	204.3	634.5	43.79

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.050	.2516	-65.49	-.0891	-.7997	2.667
Stddev	3.368	.1132	3.36	1.263	1.136	1.051
%RSD	164.2	45.00	5.136	1418.	142.0	39.41

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.085	-.8432	-.2765	.0456	15.98	.1240
Stddev	.839	2.713	.1648	.1029	.94	.2499
%RSD	77.33	321.7	59.60	225.5	5.871	201.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-134351/1-a Acquired: 11/4/2012 20:53:23 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1665	.0868	-.3381	161.3
Stddev	.2462	.0723	.3070	2.2
%RSD	147.8	83.28	90.79	1.358

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1666.4	38820.	11270.
Stddev	4.6	42.	48.
%RSD	.27506	.10944	.42170

Sample Name: 460-46575-d-2-b Acquired: 11/4/2012 20:57:07 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15260.	17.90	-1.241	176.3	.7070	21360.
Stddev	30.	1.04	.317	.7	.0565	14.
%RSD	.1958	5.824	25.55	.4199	7.987	.0651

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5118	6.608	37.59	31.85	34330.	5055.
Stddev	.1590	.174	.32	1.30	89.	37.
%RSD	31.07	2.629	.8407	4.078	.2602	.7397

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7495.	201.9	6689.	13.27	58.23	.3580
Stddev	9.	.1	10.	1.48	2.07	2.273
%RSD	.1206	.0533	.1476	11.16	3.550	634.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.580	-1.744	73.10	105.5	81.04	1.922
Stddev	1.135	2.091	.43	.2	.60	.327
%RSD	44.00	119.9	.5843	.1939	.7417	17.00

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46575-d-2-b Acquired: 11/4/2012 20:57:07 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.630	83.40	295.2	F 28180.
Stddev	.480	.15	.4	111.
%RSD	18.26	.1837	.1518	.3934

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1630.6	37783.	11382.
Stddev	3.3	85.	20.
%RSD	.20004	.22413	.17977

Sample Name: 460-46579-e-2-a Acquired: 11/4/2012 21:00:45 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	65.76	4.649	.0585	46.71	-.0479	45690.
Stddev	10.49	1.181	.9445	.20	.0193	154.
%RSD	15.95	25.40	1615.	.4322	40.22	.3359

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1293	.2493	.7209	.4030	72.05	3199.
Stddev	.0658	.0817	.5730	.4506	4.19	11.
%RSD	50.90	32.77	79.48	111.8	5.818	.3305

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17800.	33.43	52160.	.4762	4.130	-.2273
Stddev	42.	.20	169.	.3942	.418	.7317
%RSD	.2344	.6071	.3247	82.79	10.12	321.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.464	2.226	9.084	1.634	85.85	.8288
Stddev	5.477	2.353	.409	.063	.52	.5204
%RSD	158.1	105.7	4.501	3.835	.6027	62.79

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46579-e-2-a Acquired: 11/4/2012 21:00:45 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3806	450.6	3.155	13840.
Stddev	.7835	.8	.482	88.
%RSD	205.9	.1733	15.27	.6330

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1580.3	36463.	11204.
Stddev	1.2	125.	91.
%RSD	.07319	.34283	.80895

Sample Name: 460-46579-e-3-a Acquired: 11/4/2012 21:04:26 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.93	3.691	.6584	25.82	-.0604	25950.
Stddev	1.95	2.853	.5467	.17	.0428	83.
%RSD	3.757	77.28	83.05	.6609	70.76	.3209

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0379	.0336	.9478	.6555	30.42	3109.
Stddev	.0678	.1164	.3006	.8762	2.10	26.
%RSD	178.9	346.7	31.72	133.7	6.901	.8480

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10070.	140.1	52710.	.1174	.0951	3.415
Stddev	12.	.4	67.	.5146	1.811	4.302
%RSD	.1163	.2950	.1279	438.5	1905.	126.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.836	-.8899	4.949	3.034	145.0	1.214
Stddev	1.707	1.625	.335	.059	1.2	.233
%RSD	92.95	182.6	6.761	1.946	.8583	19.19

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46579-e-3-a Acquired: 11/4/2012 21:04:26 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1671	247.1	2.325	11970.
Stddev	1.253	.5	.182	59.
%RSD	750.3	.1894	7.811	.4894

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1589.5	36447.	11103.
Stddev	1.5	24.	7.
%RSD	.09170	.06588	.06461

Sample Name: 460-46579-e-8-a Acquired: 11/4/2012 21:08:07 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	266.7	16.47	-.2017	174.3	.0149	45710.
Stddev	13.5	4.55	.3036	.2	.0112	18.
%RSD	5.065	27.65	150.5	.1239	75.40	.0388

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0147	2.004	1.100	.5410	191.2	8399.
Stddev	.0535	.132	.153	.9706	5.6	17.
%RSD	364.1	6.601	13.87	179.4	2.928	.2005

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18510.	125.9	48790.	2.684	2.993	2.681
Stddev	32.	.3	51.	.422	.619	2.329
%RSD	.1720	.2432	.1047	15.72	20.67	86.87

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.213	.2904	6.981	.9582	115.3	3.657
Stddev	2.528	2.602	.717	.2290	.5	.108
%RSD	208.5	896.3	10.26	23.89	.4670	2.953

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46579-e-8-a Acquired: 11/4/2012 21:08:07 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1724	524.9	5.692	11740.
Stddev	.8249	.6	.797	17.
%RSD	478.5	.1098	14.00	.1464

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1582.5	36360.	11022.
Stddev	2.6	111.	24.
%RSD	.16369	.30482	.21688

Sample Name: 460-46579-e-9-a Acquired: 11/4/2012 21:11:48 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1090.	6.113	-.2152	18.07	-.0245	10580.
Stddev	8.	2.297	.2625	.02	.0593	12.
%RSD	.6933	37.57	122.0	.1191	241.8	.1178

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0086	.4760	1.028	.3208	4502.	882.9
Stddev	.0444	.1251	.363	.6931	11.	8.5
%RSD	517.9	26.29	35.28	216.1	.2445	.9669

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3130.	51.81	4526.	.8058	3.403	.9264
Stddev	22.	.12	5.	.3600	1.390	3.156
%RSD	.7092	.2276	.1083	44.68	40.84	340.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6218	-.7083	3.257	9.372	19.06	.2841
Stddev	5.278	3.558	.373	.243	.72	.2006
%RSD	848.9	502.3	11.46	2.592	3.754	70.62

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46579-e-9-a Acquired: 11/4/2012 21:11:48 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-0.0408	90.80	18.11	3901.
Stddev	.2735	.10	.58	15.
%RSD	669.9	.1115	3.191	.3959

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1641.8	38209.	11292.
Stddev	2.1	14.	29.
%RSD	.12522	.03555	.25614

Sample Name: 460-46579-d-11-a Acquired: 11/4/2012 21:15:29 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.598	2.324	-.0520	.2299	-.0650	20.07
Stddev	10.05	2.843	.5756	.2146	.0531	1.50
%RSD	279.5	122.3	1106.	93.34	81.65	7.472

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0790	.2773	-.0190	-2.109	-14.14	19.11
Stddev	.1281	.2203	.4260	1.366	1.38	8.12
%RSD	162.1	79.44	2240.	64.75	9.784	42.47

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.754	.0835	-65.12	-.1232	-.3680	.2009
Stddev	.657	.0561	9.40	.8796	1.539	4.269
%RSD	37.49	67.22	14.44	713.7	418.1	2125.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.341	-1.467	.4941	.0089	10.13	.0206
Stddev	3.348	1.621	.3313	.1422	.50	.1812
%RSD	100.2	110.5	67.06	1594.	4.938	881.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46579-d-11-a Acquired: 11/4/2012 21:15:29 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0800	-.0386	-1.324	97.10
Stddev	.6037	.0197	.276	6.07
%RSD	754.6	50.94	20.82	6.249

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1659.3	38705.	11250.
Stddev	.3	70.	13.
%RSD	.01980	.18212	.11213

Sample Name: 460-46579-b-15-a Acquired: 11/4/2012 21:19:12 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	338.4	1.330	-.3186	117.8	-.0524	31920.
Stddev	6.0	1.016	.1965	.4	.0460	14.
%RSD	1.776	76.36	61.68	.3712	87.70	.0427

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0653	.3870	.3098	2.035	190.8	7282.
Stddev	.0228	.0553	.3983	1.834	7.5	9.
%RSD	34.96	14.29	128.6	90.14	3.930	.1196

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11760.	74.58	34300.	.7483	3.034	-.4888
Stddev	28.	.26	45.	.2966	1.549	.7412
%RSD	.2400	.3502	.1307	39.64	51.07	151.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.683	1.407	2.111	1.671	214.5	2.381
Stddev	4.098	4.145	.034	.285	.6	.490
%RSD	87.50	294.7	1.589	17.08	.2914	20.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46579-b-15-a Acquired: 11/4/2012 21:19:12 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.540	281.3	7.747	8638.
Stddev	.946	.5	.666	25.
%RSD	26.71	.1624	8.596	.2941

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1597.3	36832.	11112.
Stddev	4.1	59.	28.
%RSD	.25456	.15955	.24899

Sample Name: 460-46579-b-19-a Acquired: 11/4/2012 21:22:53 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39.69	1.294	-.0041	91.25	.0041	28380.
Stddev	8.71	2.142	.2139	.45	.1047	84.
%RSD	21.95	165.5	5231.	.4932	2558.	.2970

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0290	.1875	-.0598	-.4718	23.38	4539.
Stddev	.0980	.0904	.1381	.9588	8.32	5.
%RSD	338.0	48.20	231.1	203.2	35.61	.1008

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14630.	430.9	29140.	1.320	-.0050	.9736
Stddev	37.	.4	95.	1.093	1.131	.3910
%RSD	.2524	.0851	.3275	82.80	22490.	40.15

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.431	1.202	1.675	1.464	201.0	.8099
Stddev	3.252	.412	.341	.127	.3	.2589
%RSD	43.76	34.29	20.36	8.702	.1588	31.96

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46579-b-19-a Acquired: 11/4/2012 21:22:53 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.031	273.2	1.006	8151.
Stddev	1.056	.7	.098	17.
%RSD	102.5	.2540	9.729	.2102

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1599.9	37105.	11178.
Stddev	1.1	43.	7.
%RSD	.06690	.11576	.06388

Sample Name: 460-46579-e-22-a Acquired: 11/4/2012 21:26:34 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	133.8	3.876	-4.289	43.47	-.0250	15260.
Stddev	5.6	.441	.3985	.05	.0651	28.
%RSD	4.172	11.39	92.91	.1248	260.0	.1828

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0469	.5581	1.878	2.446	5328.	3627.
Stddev	.1201	.2544	.343	.566	36.	13.
%RSD	256.3	45.58	18.26	23.13	.6722	.3696

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2627.	82.72	7520.	.4728	.0807	.9235
Stddev	5.	.34	16.	.4314	1.831	.9781
%RSD	.1916	.4067	.2108	91.26	2269.	105.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7690	2.287	1.110	5.371	83.95	.7715
Stddev	6.391	3.173	.406	.044	.80	.7324
%RSD	831.2	138.8	36.57	.8222	.9569	94.93

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46579-e-22-a Acquired: 11/4/2012 21:26:34 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-0.0749	153.7	3.353	2098.
Stddev	.5873	.2	.420	9.
%RSD	783.8	.1187	12.52	.4165

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1628.9	37895.	11299.
Stddev	.9	94.	30.
%RSD	.05679	.24814	.26632

Sample Name: CCV Acquired: 11/4/2012 21:30:17 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126500.	2517.	1256.	10300.	998.1	130700.
Stddev	36.	6.	1.	14.	1.1	29.
%RSD	.0289	.2209	.0992	.1343	.1077	.0223

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1289.	2571.	5155.	12500.	102700.	51700.
Stddev	3.	5.	5.	11.	265.	57.
%RSD	.2002	.1839	.0998	.0868	.2581	.1109

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	128000.	5205.	129500.	2588.	7819.	1001.
Stddev	387.	8.	121.	2.	13.	8.
%RSD	.3023	.1490	.0935	.0910	.1696	.7911

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2497.	2587.	2556.	2563.	1002.	2545.
Stddev	6.	7.	2.	2.	2.	6.
%RSD	.2244	.2684	.0727	.0866	.2432	.2344

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/4/2012 21:30:17 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1021.	5142.	10130.	9711.
Stddev	1.	7.	20.	63.
%RSD	.1358	.1355	.1927	.6437

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1477.7	33894.	10701.
Stddev	2.6	30.	51.
%RSD	.17426	.08918	.47363

Sample Name: CCB Acquired: 11/4/2012 21:33:50 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.358	2.794	-.2087	.5361	.0473	15.79
Stddev	12.82	1.826	.7462	.2002	.1213	16.08
%RSD	174.2	65.34	357.5	37.35	256.6	101.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0467	.2673	.1957	-1.297	11.08	75.99
Stddev	.1310	.2365	.8325	.695	5.92	49.27
%RSD	280.4	88.50	425.4	53.60	53.40	64.84

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.471	.3841	-41.89	-.0091	-.2273	.3804
Stddev	10.62	.3621	22.96	.8023	.8460	2.206
%RSD	112.1	94.27	54.83	8823.	372.2	579.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.039	1.029	.0894	.4664	1.251	2.759
Stddev	4.488	2.408	.3001	.0681	.411	.476
%RSD	147.7	234.0	335.8	14.61	32.84	17.26

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/4/2012 21:33:50 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6476	.4078	1.476	-11.01
Stddev	.0597	.4737	.428	14.94
%RSD	9.225	116.2	29.03	135.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1641.2	38038.	10953.
Stddev	2.9	36.	44.
%RSD	.17580	.09425	.39984

Sample Name: 460-46579-e-26-a Acquired: 11/4/2012 21:37:36 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	192.8	2.878	-4.988	186.9	-.0160	20580.
Stddev	.8	1.894	.2868	.6	.0203	78.
%RSD	.4282	65.81	57.49	.3350	127.1	.3798

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0271	.2315	.3632	-2.225	10720.	13880.
Stddev	.1120	.3589	.2522	1.454	46.	31.
%RSD	412.5	155.0	69.45	65.38	.4265	.2251

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8536.	176.0	44780.	1.262	.9322	.3656
Stddev	27.	.4	136.	.630	1.762	2.366
%RSD	.3183	.2086	.3039	49.88	189.0	647.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.412	-.1230	1.018	1.825	64.51	1.454
Stddev	3.154	3.168	.339	.102	1.01	.117
%RSD	130.8	2576.	33.34	5.580	1.570	8.066

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46579-e-26-a Acquired: 11/4/2012 21:37:36 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6903	376.3	5.163	1951.
Stddev	.0078	1.0	1.047	8.
%RSD	1.129	.2551	20.27	.3959

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1593.3	36687.	11191.
Stddev	3.5	114.	27.
%RSD	.21996	.31208	.23963

Sample Name: 460-46579-b-27-a Acquired: 11/4/2012 21:41:17 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	224.2	2.471	-1.1898	9.972	-.0185	12570.
Stddev	5.1	1.967	.0624	.056	.0506	43.
%RSD	2.273	79.61	32.86	.5576	273.6	.3425

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5118	.1585	5.091	2.774	429.9	2699.
Stddev	.0606	.0693	.503	3.401	5.9	24.
%RSD	11.84	43.72	9.887	122.6	1.370	.8738

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2006.	6.000	15850.	2.756	-1.332	.5069
Stddev	16.	.041	32.	.490	2.654	3.635
%RSD	.8118	.6797	.2014	17.76	199.2	717.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.395	-1.629	1.939	25.75	130.5	4.495
Stddev	2.429	2.892	.322	.27	.3	.255
%RSD	101.5	177.5	16.63	1.051	.2033	5.668

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46579-b-27-a Acquired: 11/4/2012 21:41:17 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4898	66.90	4.176	3565.
Stddev	.7231	.19	.545	5.
%RSD	147.6	.2793	13.04	.1343

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1619.6	37578.	11243.
Stddev	2.3	86.	42.
%RSD	.14483	.22897	.37691

Sample Name: CCV Acquired: 11/4/2012 21:45:01 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127300.	2521.	1260.	10360.	1003.	131800.
Stddev	334.	6.	3.	21.	2.	314.
%RSD	.2628	.2228	.2208	.2034	.2084	.2381

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1296.	2586.	5170.	12580.	103200.	51950.
Stddev	2.	4.	3.	35.	210.	43.
%RSD	.1506	.1642	.0670	.2787	.2031	.0837

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	128300.	5221.	130300.	2596.	7861.	1006.
Stddev	204.	7.	141.	5.	17.	5.
%RSD	.1591	.1414	.1085	.2110	.2103	.5223

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2513.	2601.	2567.	2571.	1008.	2563.
Stddev	12.	4.	2.	5.	4.	7.
%RSD	.4783	.1626	.0788	.1920	.3950	.2875

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/4/2012 21:45:01 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1024.	5080.	10180.	9722.
Stddev	3.	43.	18.	114.
%RSD	.2648	.8404	.1742	1.172

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1472.3	33835.	10666.
Stddev	2.3	112.	49.
%RSD	.15596	.33243	.46318

Sample Name: CCB Acquired: 11/4/2012 21:48:34 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.073	1.826	.1359	.5681	.0352	13.06
Stddev	21.94	1.733	.5175	.3009	.1117	18.57
%RSD	2045.	94.95	380.9	52.97	317.0	142.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0616	.3841	-.1742	-.4061	5.571	66.60
Stddev	.1253	.1950	.5877	.4766	9.145	35.79
%RSD	203.3	50.78	337.3	117.4	164.2	53.74

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.621	.4017	-29.26	-.1739	-1.632	.0510
Stddev	4.018	.3276	30.38	.7727	.228	.9905
%RSD	52.72	81.54	103.8	444.4	13.96	1942.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.723	-.7314	.0071	.4411	1.838	2.962
Stddev	3.314	2.111	.1586	.1961	.730	.518
%RSD	192.3	288.7	2229.	44.45	39.72	17.50

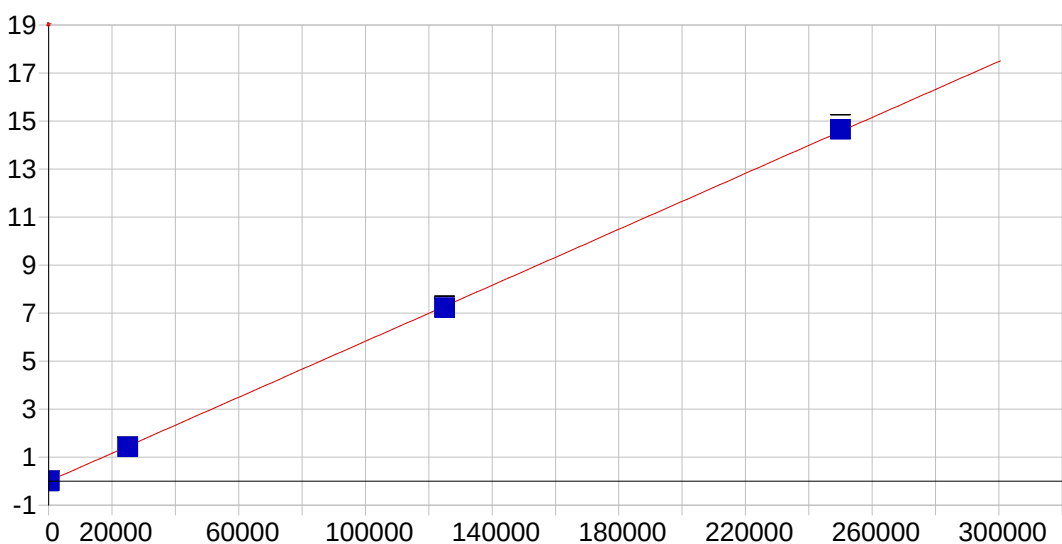
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/4/2012 21:48:34 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3621	.5011	1.430	-7.637
Stddev	.7354	.4744	.370	1.857
%RSD	203.1	94.68	25.85	24.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1634.5	38058.	10964.
Stddev	.4	49.	57.
%RSD	.02525	.13003	.52285

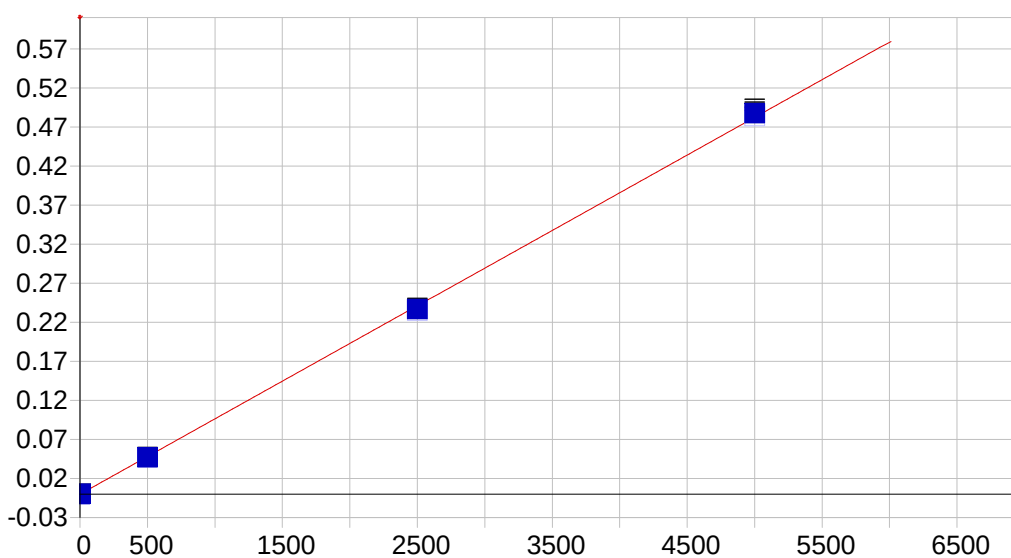


AI 396.152 { 85}

Date of Fit: 11/5/2012 10:24:21 Type of Fit: Linear Weighting: 1/Conc

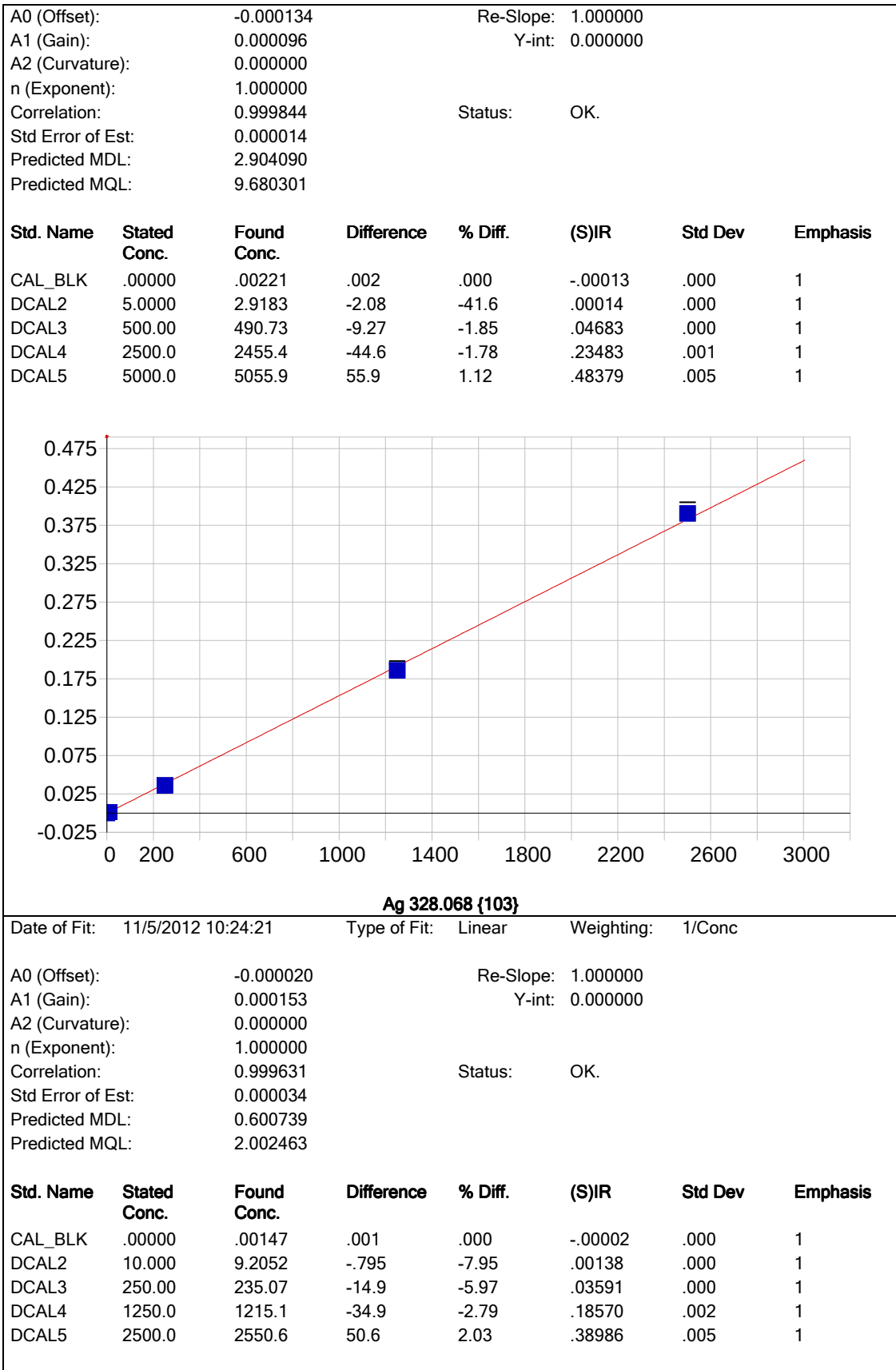
A0 (Offset): -0.000823 Re-Slope: 1.000000
 A1 (Gain): 0.000058 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999973 Status: OK.
 Std Error of Est: 0.000155
 Predicted MDL: 7.505836
 Predicted MQL: 25.019452

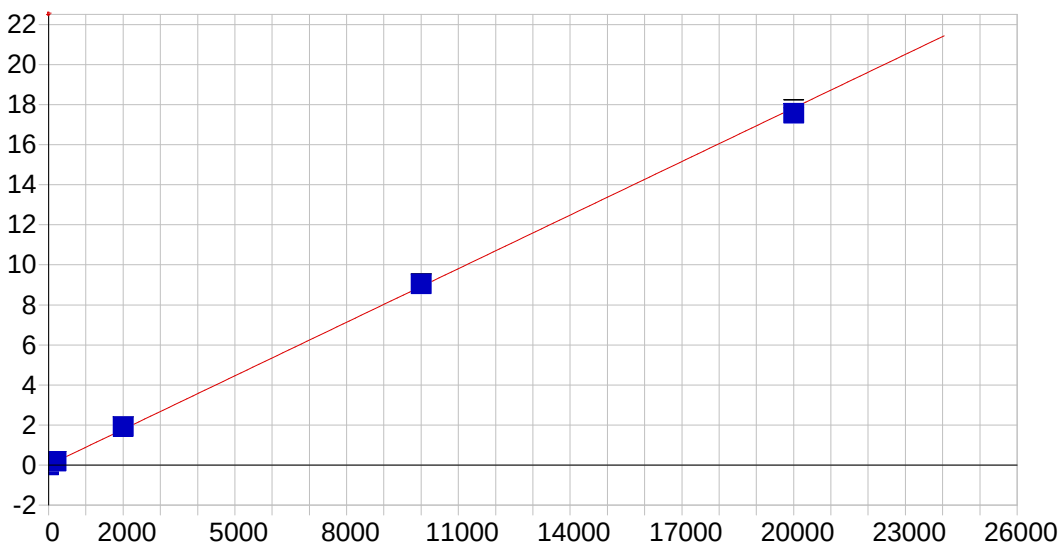
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00254	.003	.000	-.00082	.000	1
DCAL2	200.00	201.23	1.23	.613	.01087	.000	1
DCAL3	25000.	24582.	-418.	-1.67	1.4324	.007	1
DCAL4	125000.	124060.	-938.	-.750	7.2325	.066	1
DCAL5	250000.	251350.	1350.	.542	14.654	.200	1



As 189.042 {478}

Date of Fit: 11/5/2012 10:24:21 Type of Fit: Linear Weighting: 1/Conc



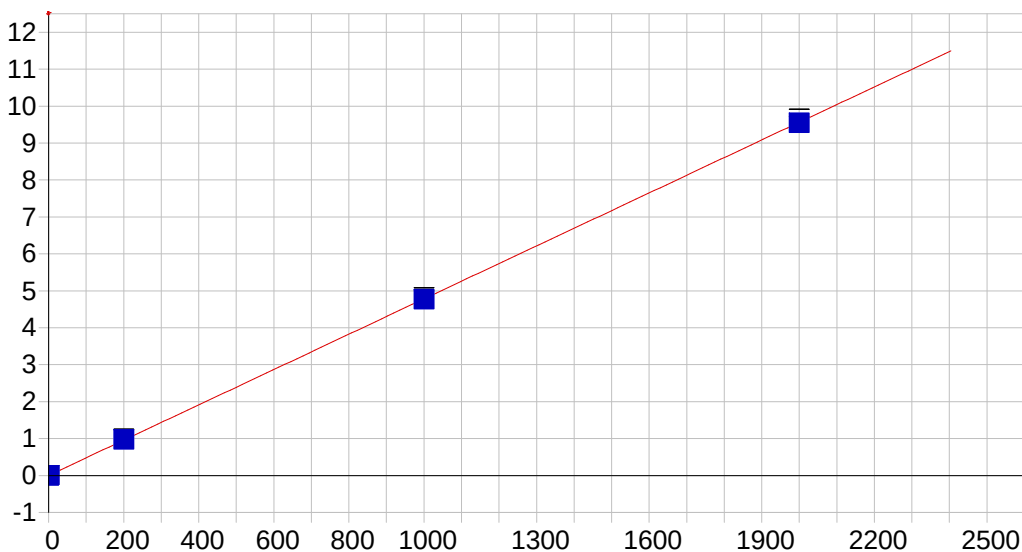


Ba 233.527 {445}

Date of Fit: 11/5/2012 10:24:21 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000039 Re-Slope: 1.000000
 A1 (Gain): 0.000892 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999698 Status: OK.
 Std Error of Est: 0.002267
 Predicted MDL: 0.318328
 Predicted MQL: 1.061093

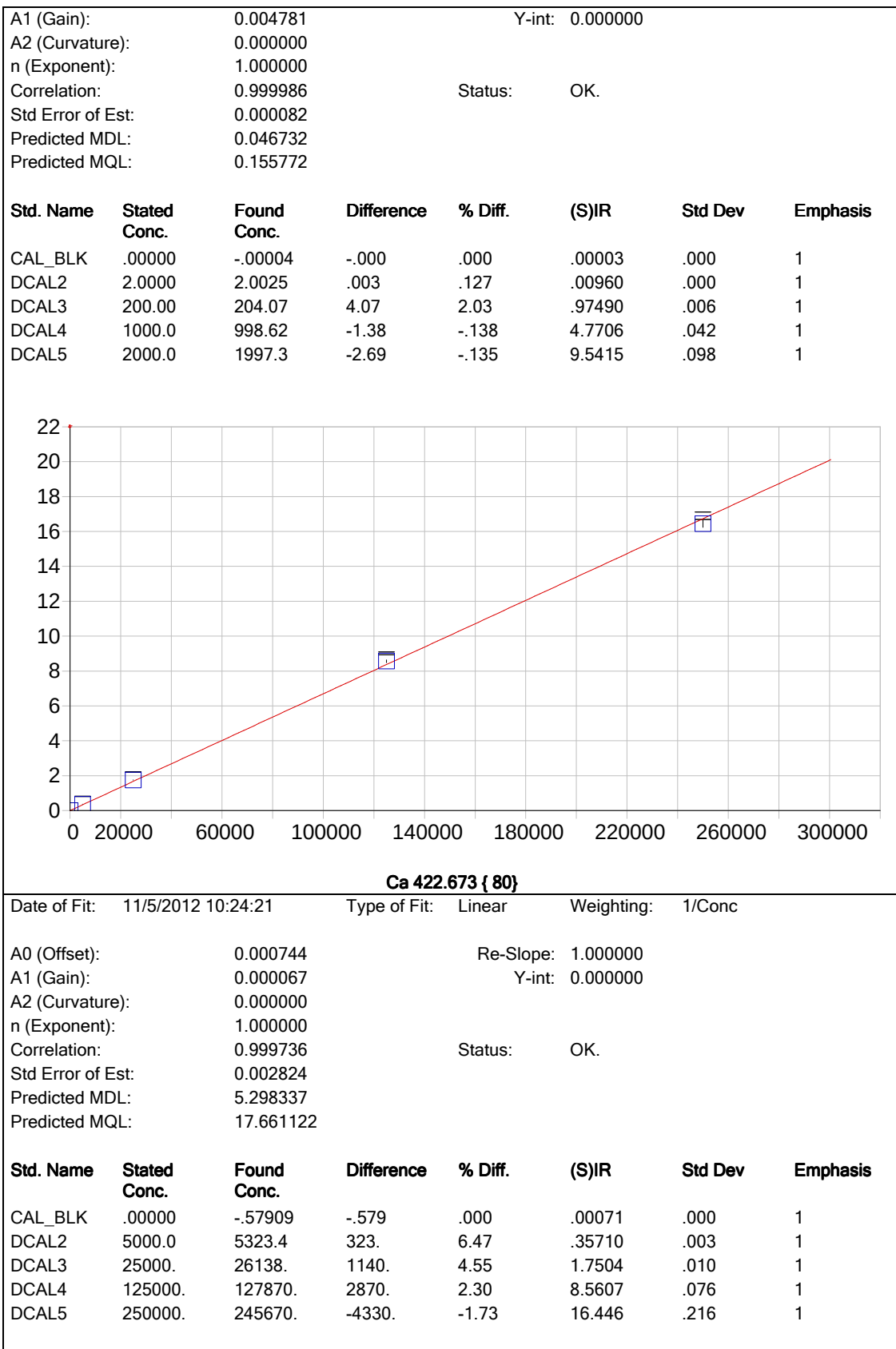
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.03604	-.036	.000	-.00007	.000	1
DCAL2	200.00	221.86	21.9	10.9	.19776	.000	1
DCAL3	2000.0	2144.7	145.	7.24	1.9109	.011	1
DCAL4	10000.	10138.	138.	1.38	9.0323	.026	1
DCAL5	20000.	19696.	-304.	-1.52	17.547	.195	1

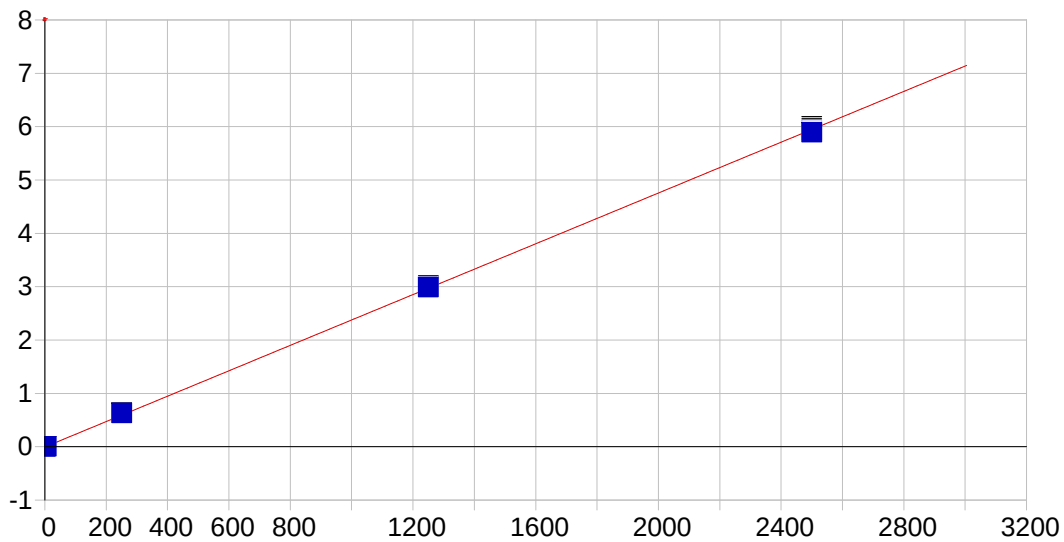


Be 313.042 {108}

Date of Fit: 11/5/2012 10:24:21 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000031 Re-Slope: 1.000000



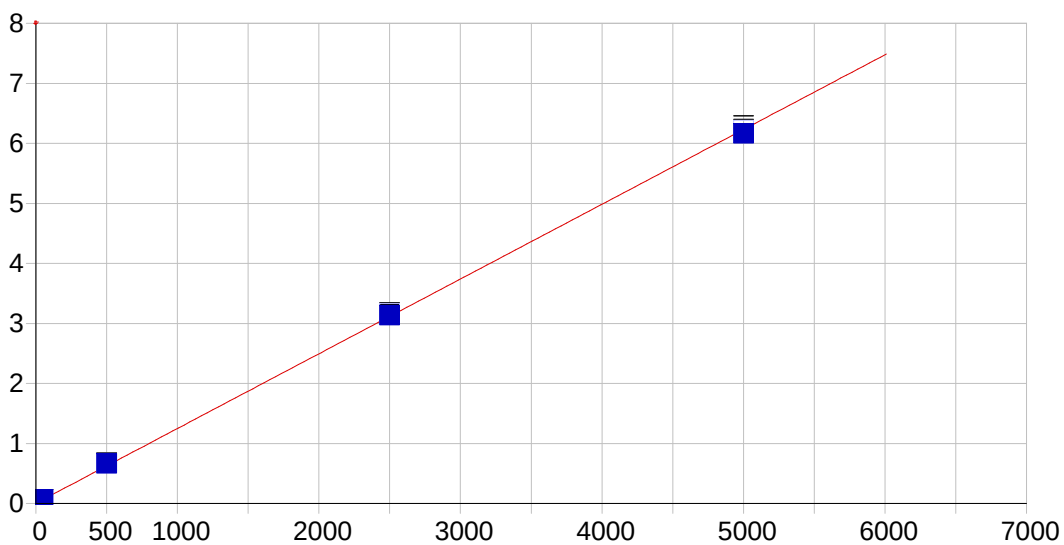


Cd 226.502 {449}

Date of Fit: 11/5/2012 10:24:21 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001364 Re-Slope: 1.000000
 A1 (Gain): 0.002380 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999850 Status: OK.
 Std Error of Est: 0.000214
 Predicted MDL: 0.171191
 Predicted MQL: 0.570637

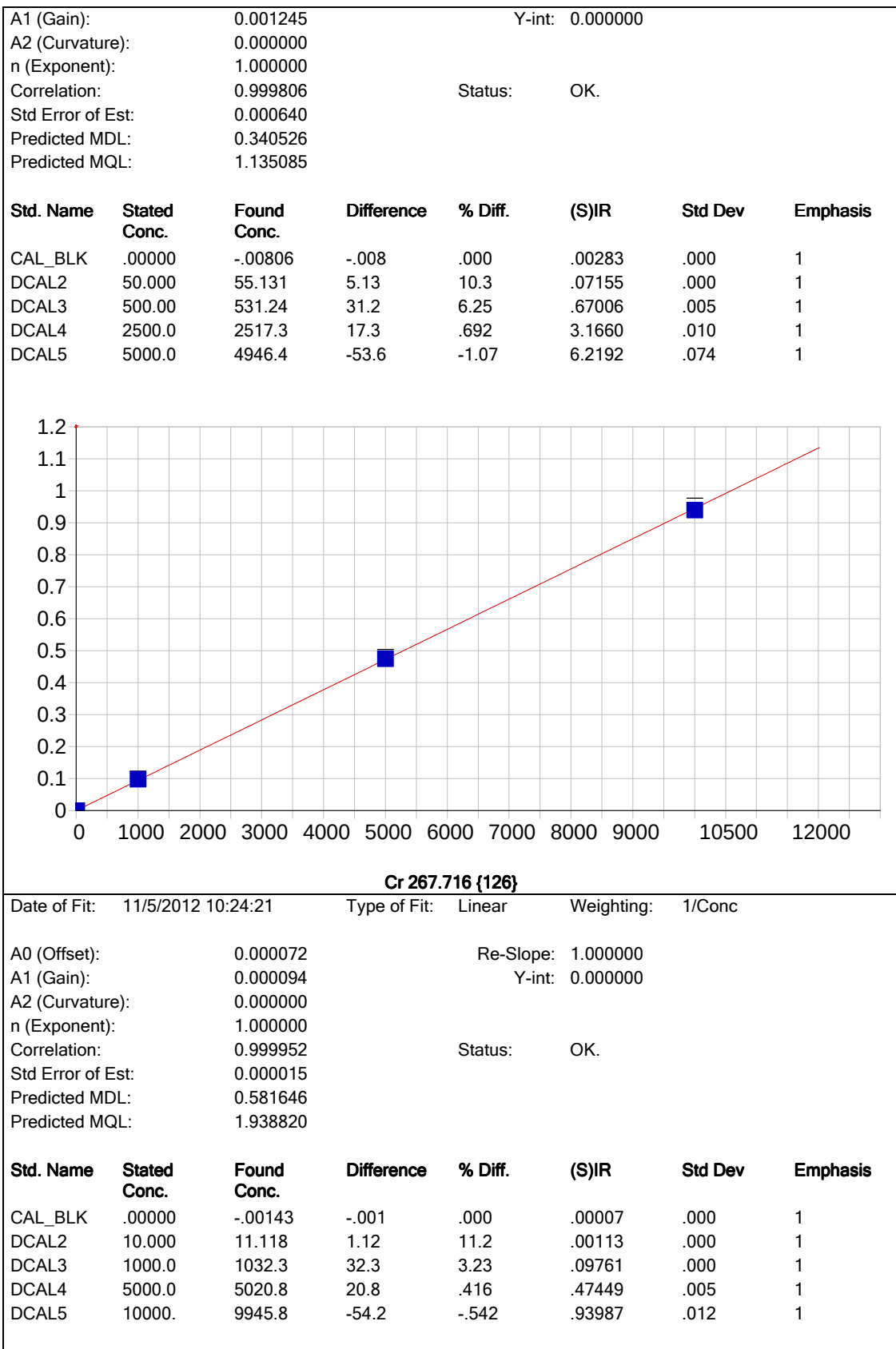
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00068	-.001	.000	-.00137	.000	1
DCAL2	4.0000	4.4558	.456	11.4	.00927	.000	1
DCAL3	250.00	265.20	15.2	6.08	.63386	.006	1
DCAL4	1250.0	1256.8	6.76	.541	3.0100	.010	1
DCAL5	2500.0	2477.6	-22.4	-.897	5.9357	.067	1

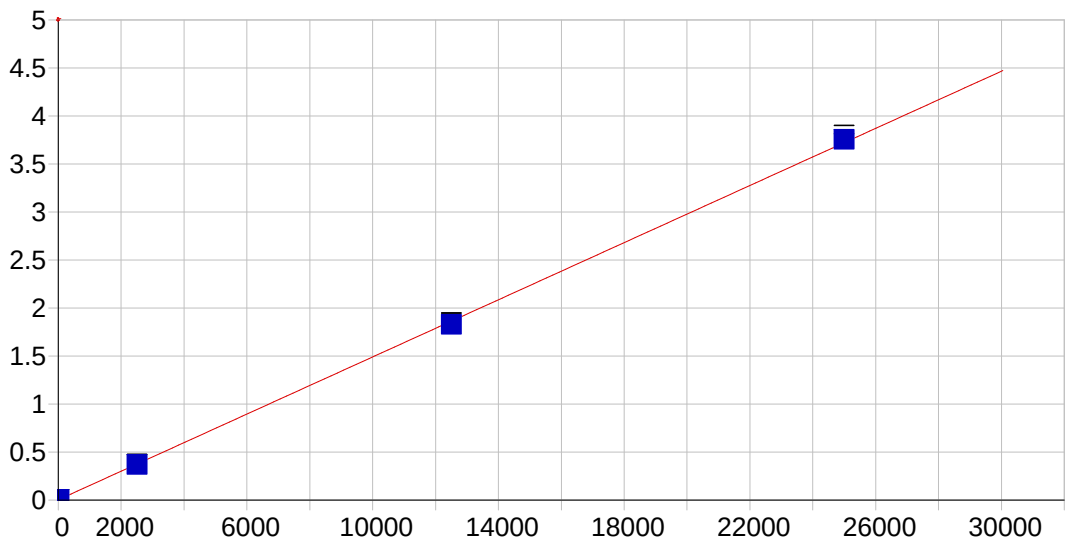


Co 228.616 {447}

Date of Fit: 11/5/2012 10:24:21 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002841 Re-Slope: 1.000000



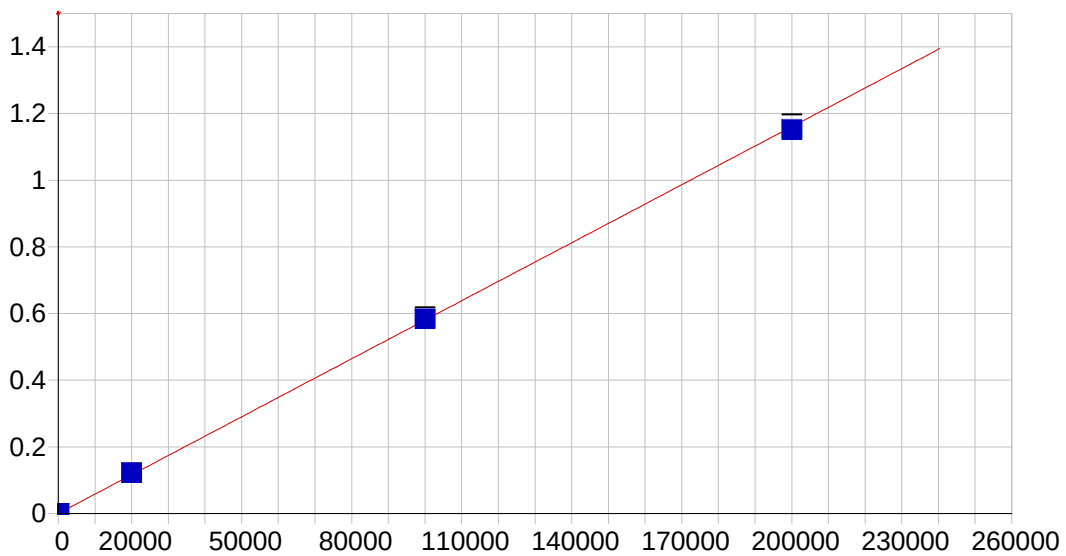


Cu 324.754 {104}

Date of Fit: 11/5/2012 10:24:21 Type of Fit: Linear Weighting: 1/Conc

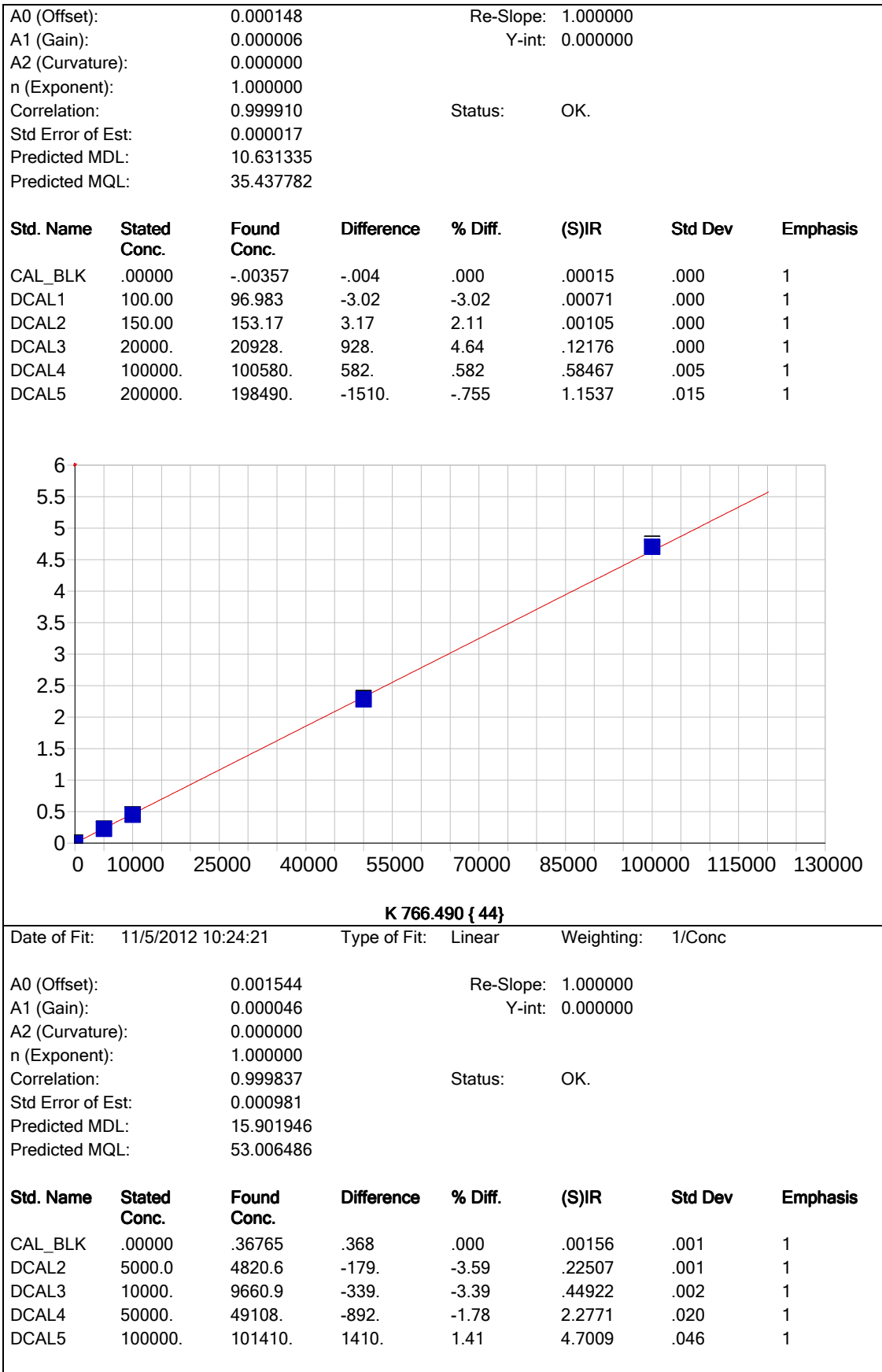
A0 (Offset): 0.001785 Re-Slope: 1.000000
 A1 (Gain): 0.000149 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999925 Status: OK.
 Std Error of Est: 0.000045
 Predicted MDL: 1.436019
 Predicted MQL: 4.786731

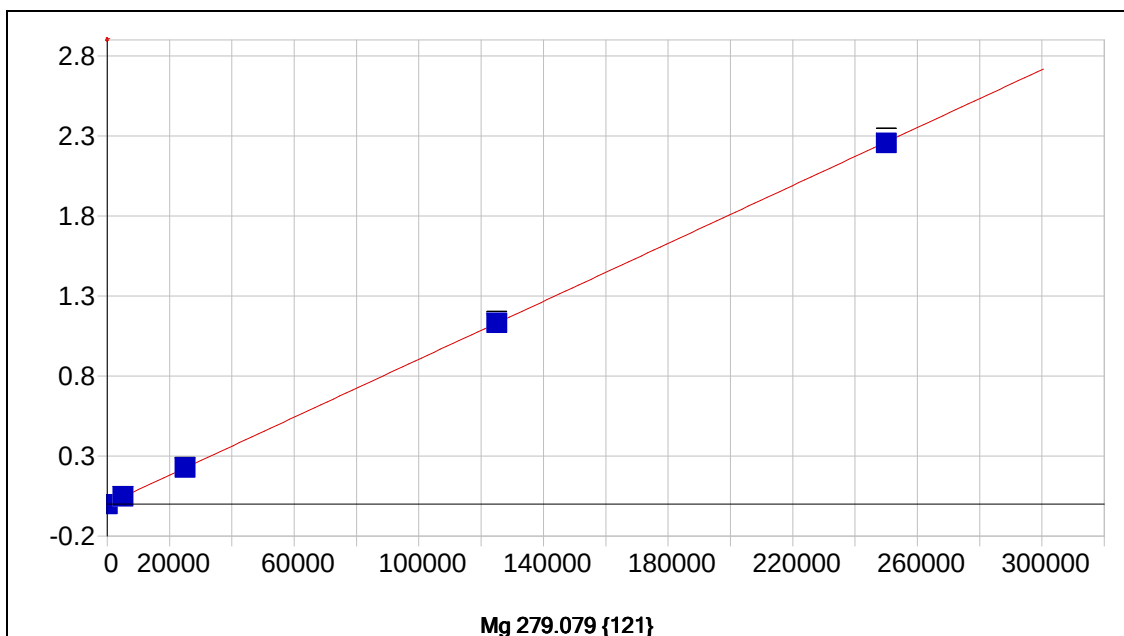
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00041	.000	.000	.00179	.000	1
DCAL1	10.000	10.025	.025	.253	.00327	.000	1
DCAL2	25.000	24.299	-.701	-2.81	.00539	.000	1
DCAL3	2500.0	2480.0	-20.0	-.801	.37038	.002	1
DCAL4	12500.	12287.	-213.	-1.70	1.8280	.017	1
DCAL5	25000.	25234.	234.	.935	3.7524	.043	1



Fe 271.441 {124}

Date of Fit: 11/5/2012 10:24:21 Type of Fit: Linear Weighting: 1/Conc

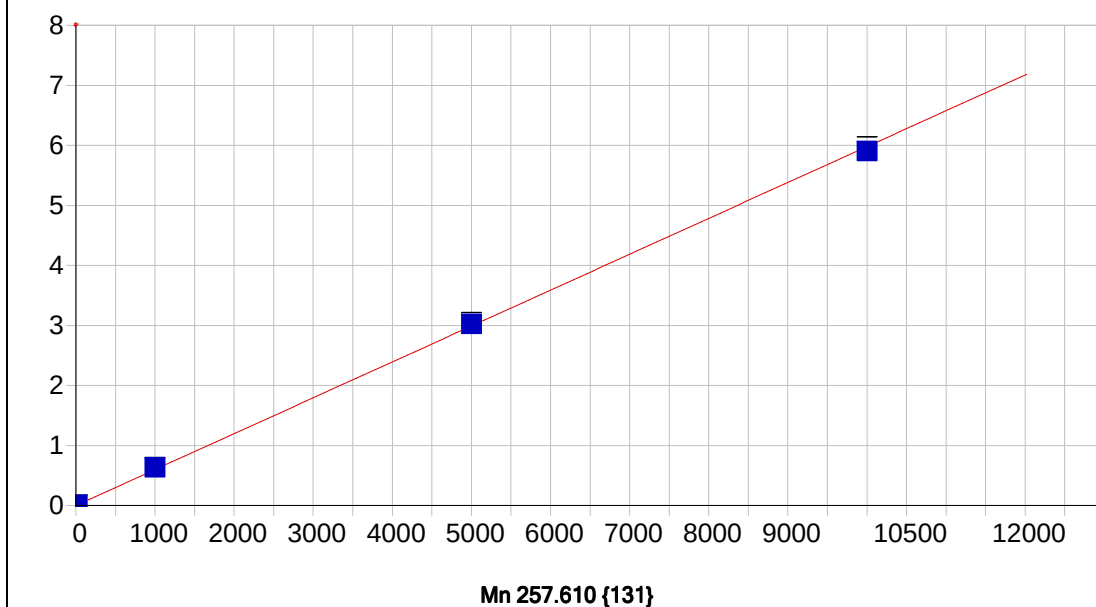




Date of Fit: 11/5/2012 10:24:21 Type of Fit: Linear Weighting: 1/Conc

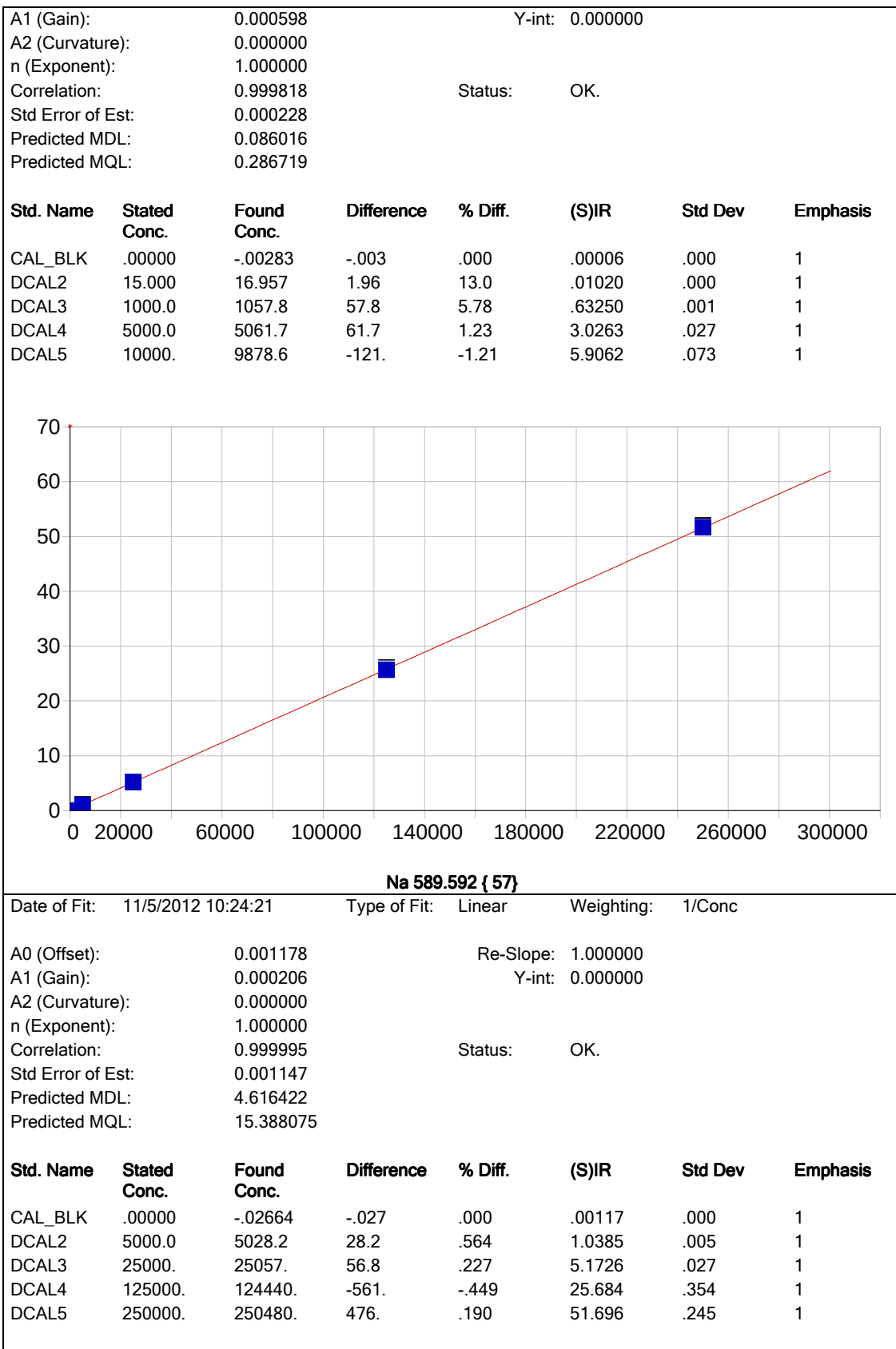
A0 (Offset): -0.000068 Re-Slope: 1.000000
 A1 (Gain): 0.000009 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999980 Status: OK.
 Std Error of Est: 0.000105
 Predicted MDL: 6.255274
 Predicted MQL: 20.850915

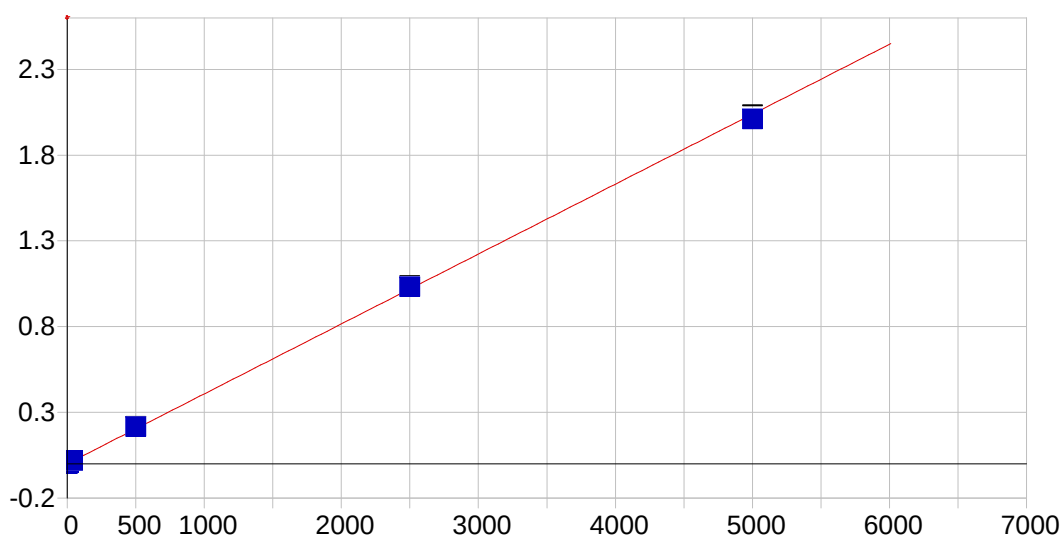
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.28947	-.289	.000	-.00007	.000	1
DCAL2	5000.0	5255.8	256.	5.12	.04749	.000	1
DCAL3	25000.	25206.	206.	.823	.22793	.001	1
DCAL4	125000.	125090.	88.2	.071	1.1314	.011	1
DCAL5	250000.	249450.	-550.	-.220	2.2564	.030	1



Date of Fit: 11/5/2012 10:24:21 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000064 Re-Slope: 1.000000



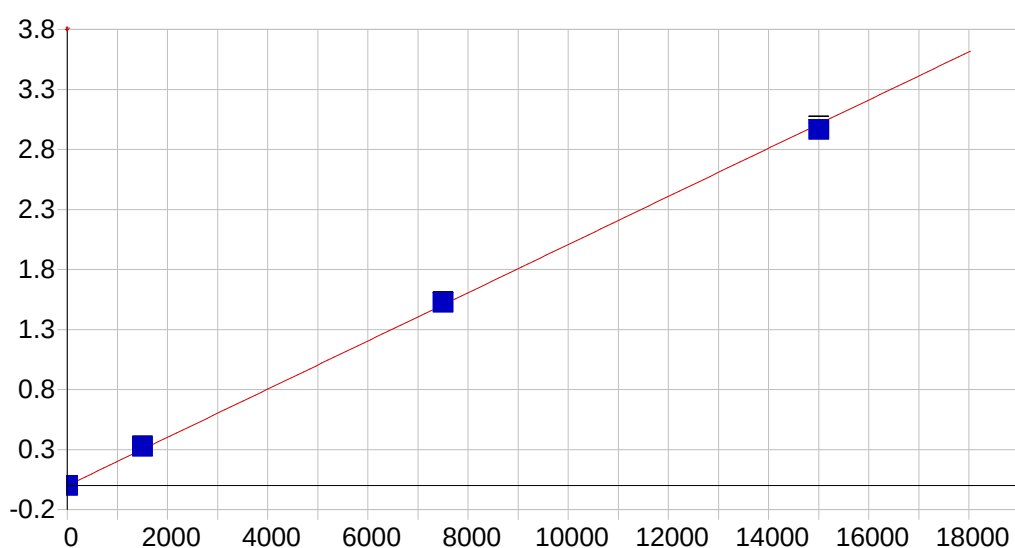


Ni 231.604 {446}

Date of Fit: 11/5/2012 10:24:21 Type of Fit: Linear Weighting: 1/Conc

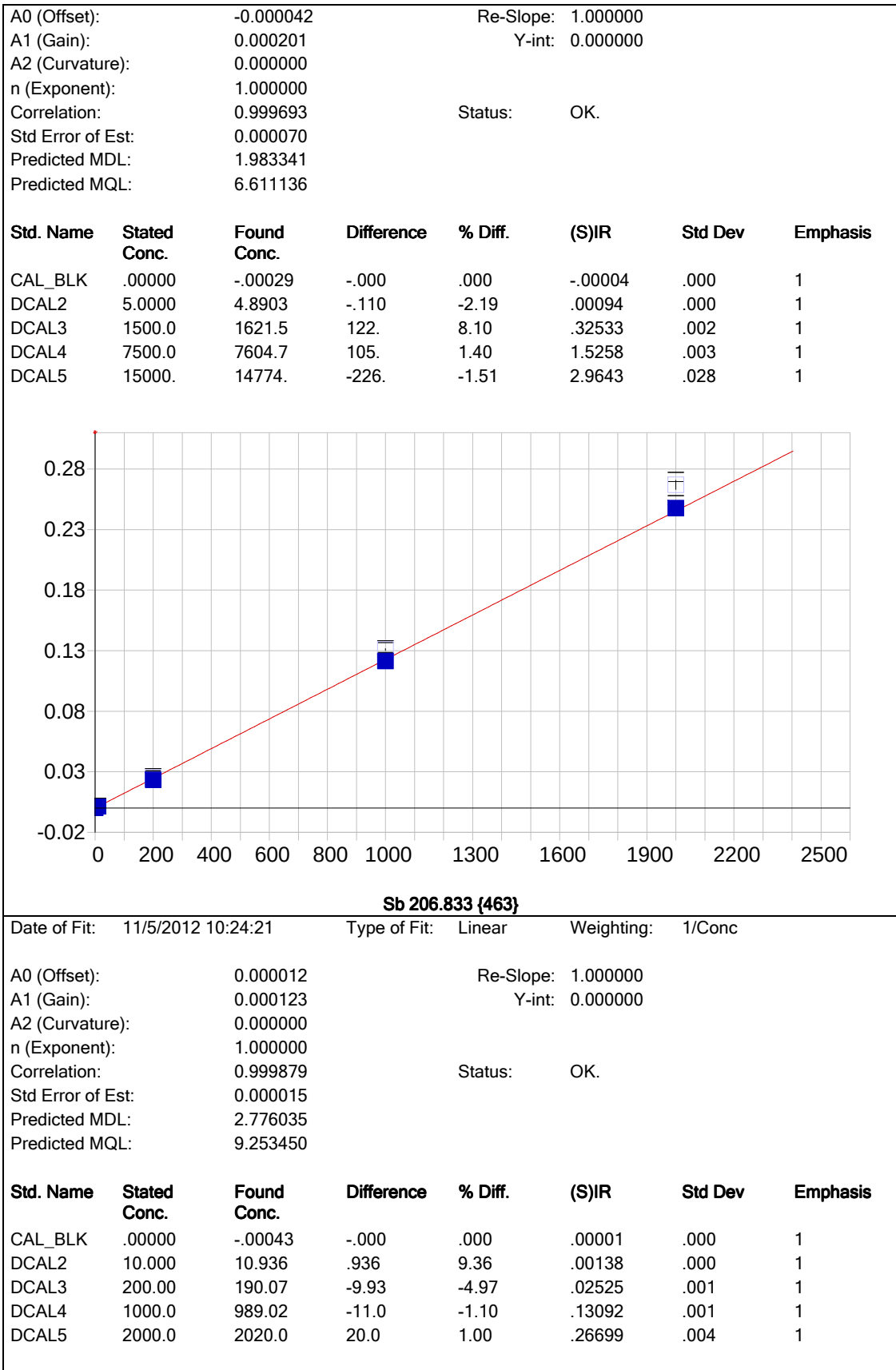
A0 (Offset): 0.000180 Re-Slope: 1.000000
 A1 (Gain): 0.000408 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999732 Status: OK.
 Std Error of Est: 0.000104
 Predicted MDL: 0.897476
 Predicted MQL: 2.991586

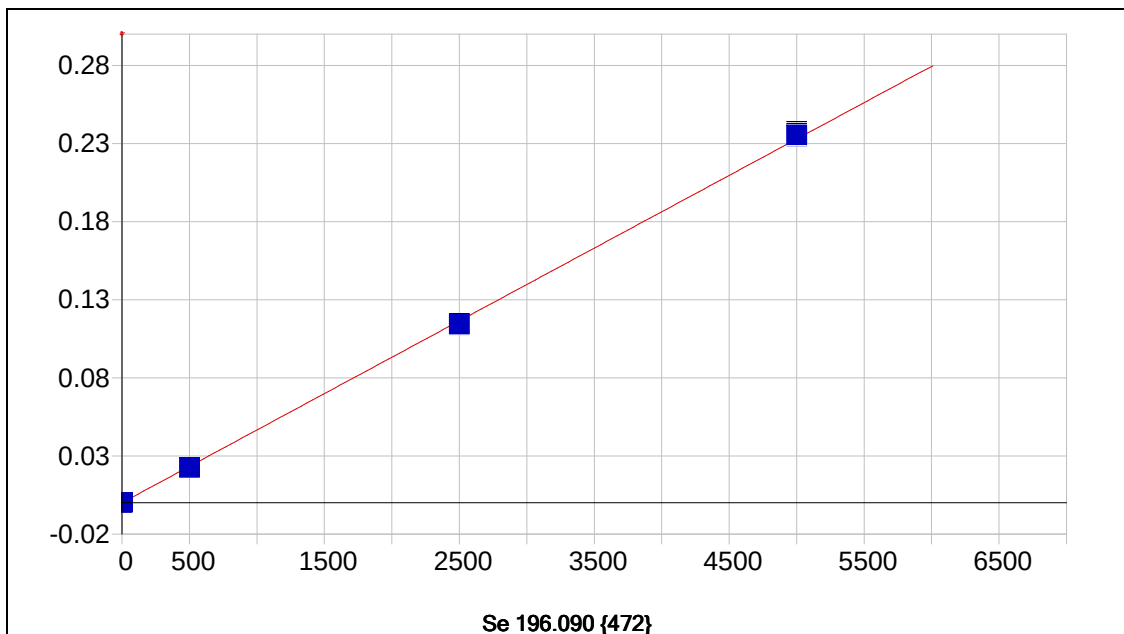
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00396	-.004	.000	.00018	.000	1
DCAL1	10.000	12.062	2.06	20.6	.00510	.000	1
DCAL2	40.000	45.165	5.16	12.9	.01860	.000	1
DCAL3	500.00	531.39	31.4	6.28	.21719	.001	1
DCAL4	2500.0	2529.4	29.4	1.18	1.0332	.005	1
DCAL5	5000.0	4931.9	-68.1	-1.36	2.0145	.019	1



Pb 220.353 {453}

Date of Fit: 11/5/2012 10:24:21 Type of Fit: Linear Weighting: 1/Conc

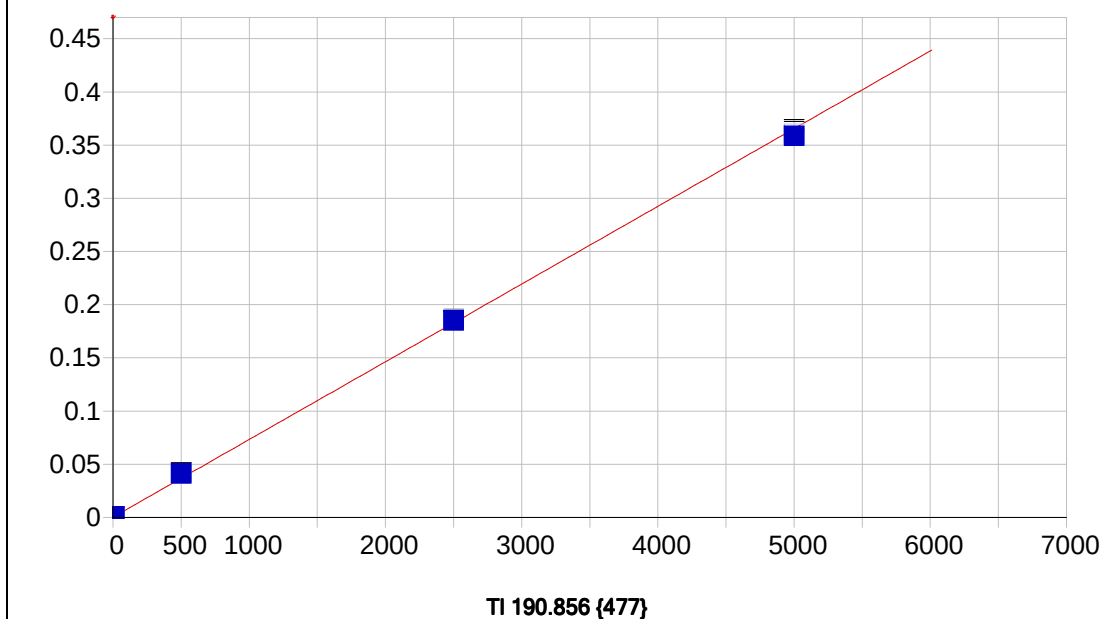




Date of Fit: 11/5/2012 10:24:21 Type of Fit: Linear Weighting: 1/Conc

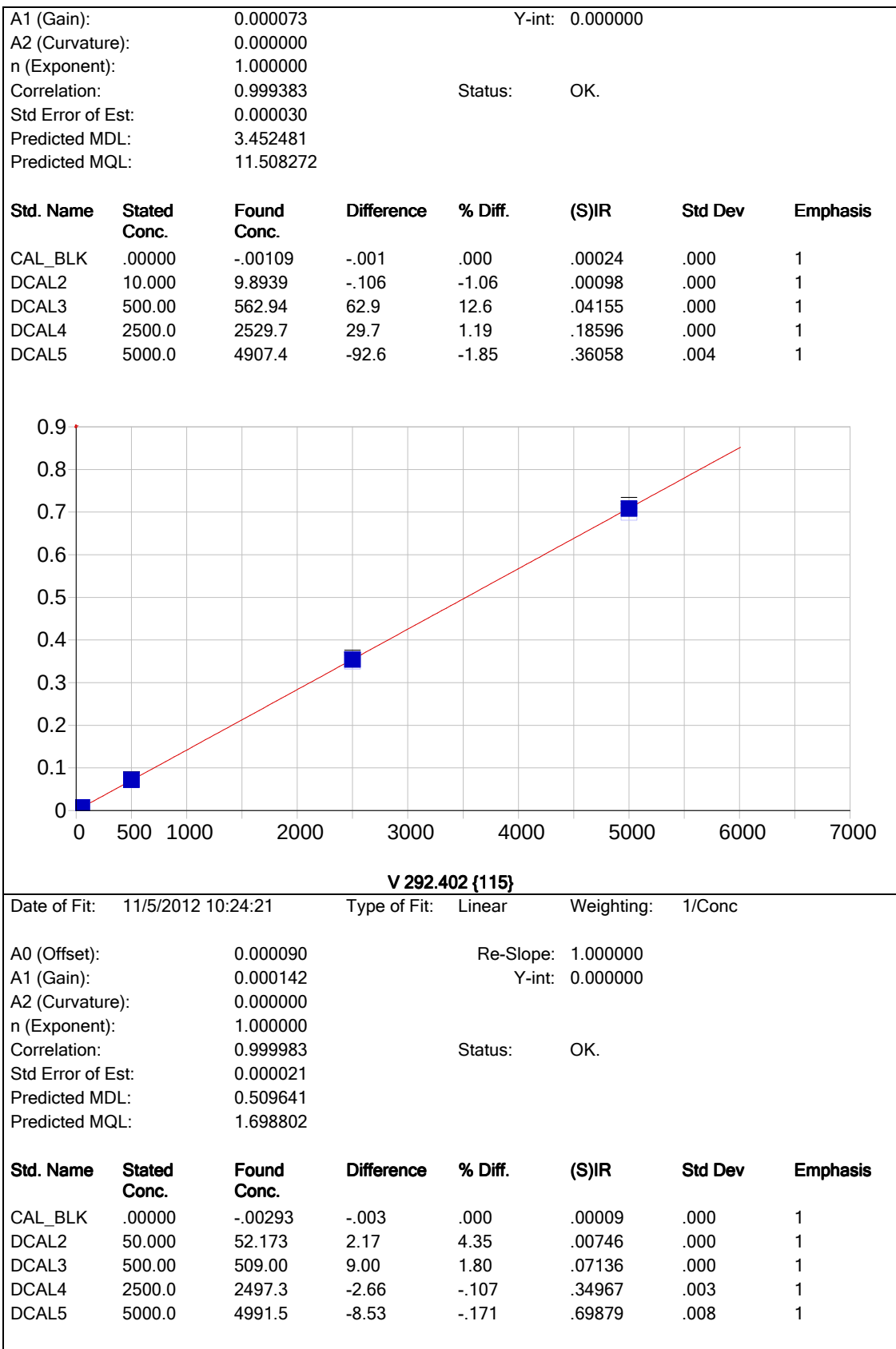
A0 (Offset): 0.000070 Re-Slope: 1.000000
 A1 (Gain): 0.000047 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999821 Status: OK.
 Std Error of Est: 0.000007
 Predicted MDL: 4.716093
 Predicted MQL: 15.720310

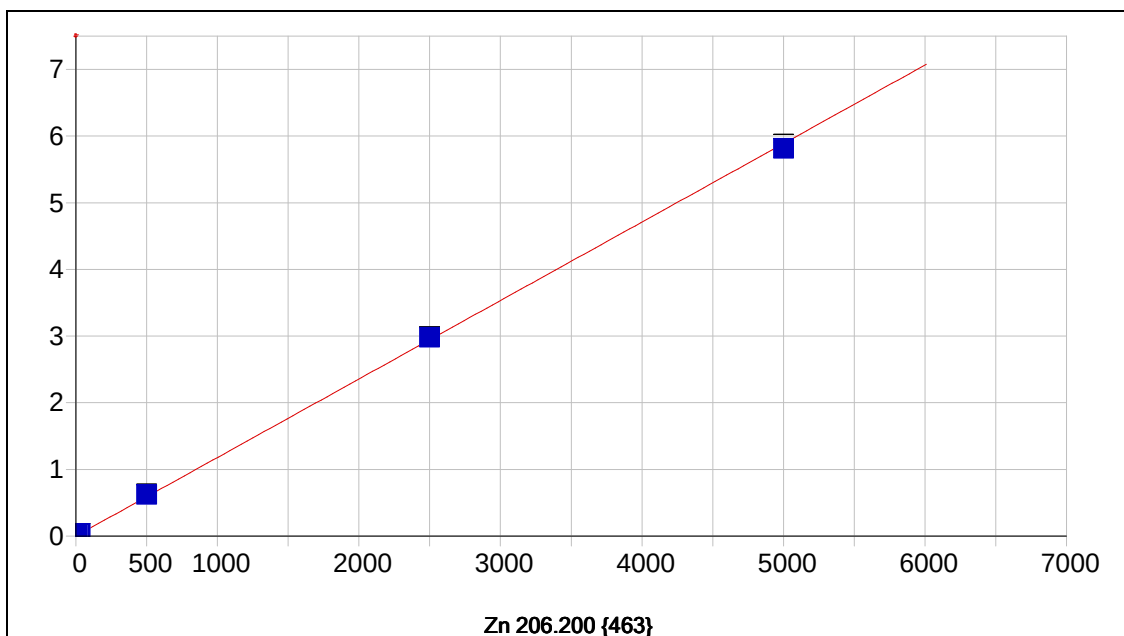
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00196	-.002	.000	.00007	.000	1
DCAL2	5.0000	7.1545	2.15	43.1	.00039	.000	1
DCAL3	500.00	483.42	-16.6	-3.32	.02245	.000	1
DCAL4	2500.0	2457.9	-42.1	-1.68	.11385	.000	1
DCAL5	5000.0	5056.6	56.6	1.13	.23420	.002	1



Date of Fit: 11/5/2012 10:24:21 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000243 Re-Slope: 1.000000

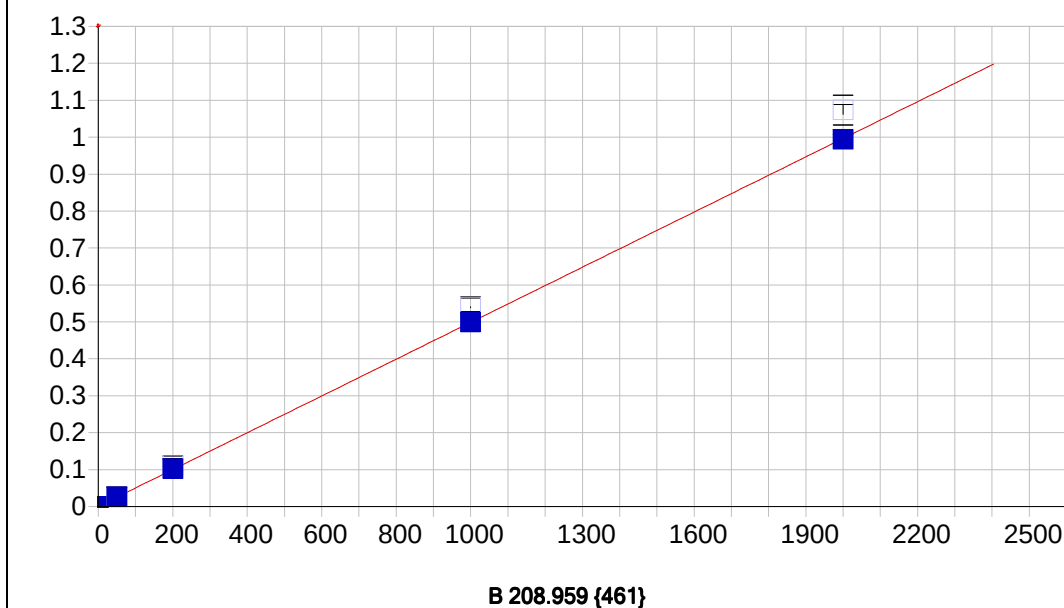




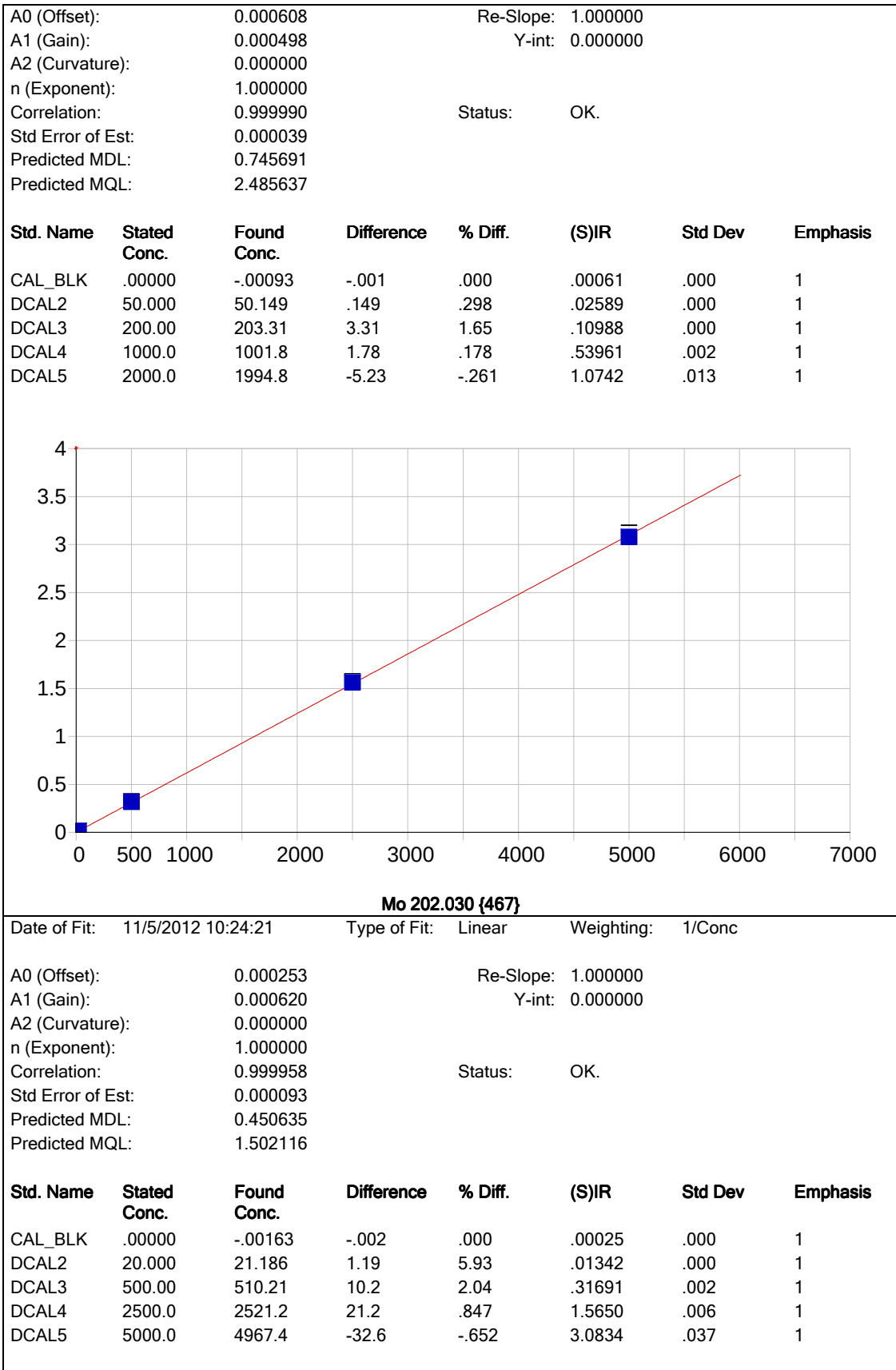
Date of Fit: 11/5/2012 10:24:21 Type of Fit: Linear Weighting: 1/Conc

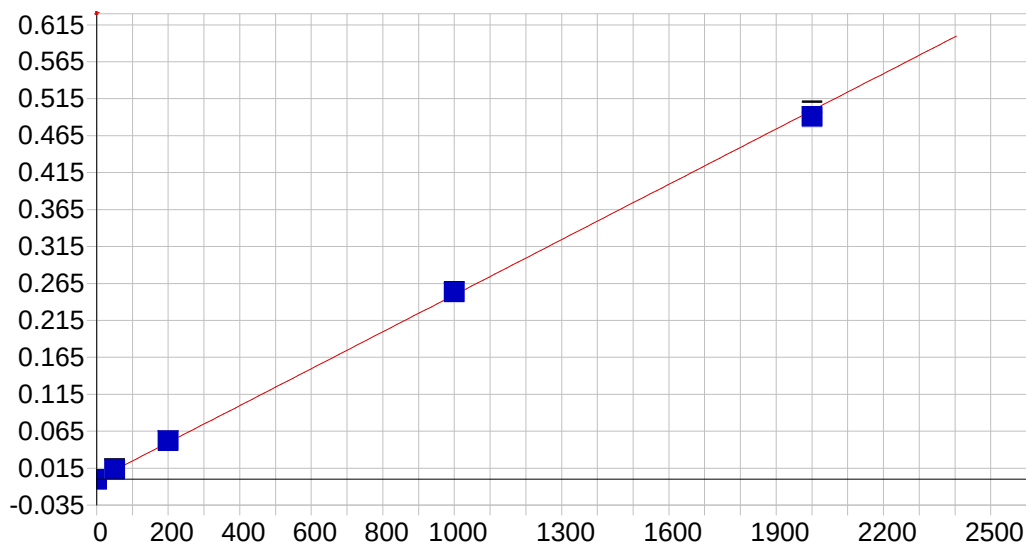
A0 (Offset): 0.001048 Re-Slope: 1.000000
 A1 (Gain): 0.001177 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999822 Status: OK.
 Std Error of Est: 0.000244
 Predicted MDL: 0.273288
 Predicted MQL: 0.910959

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00168	-.002	.000	.00105	.000	1
DCAL2	30.000	32.688	2.69	8.96	.03954	.000	1
DCAL3	500.00	527.27	27.3	5.45	.62204	.007	1
DCAL4	2500.0	2530.9	30.9	1.24	2.9819	.008	1
DCAL5	5000.0	4938.9	-61.1	-1.22	5.8180	.060	1
DCAL1	10.000	10.240	.240	2.40	.01311	.000	1



Date of Fit: 11/5/2012 10:24:21 Type of Fit: Linear Weighting: 1/Conc



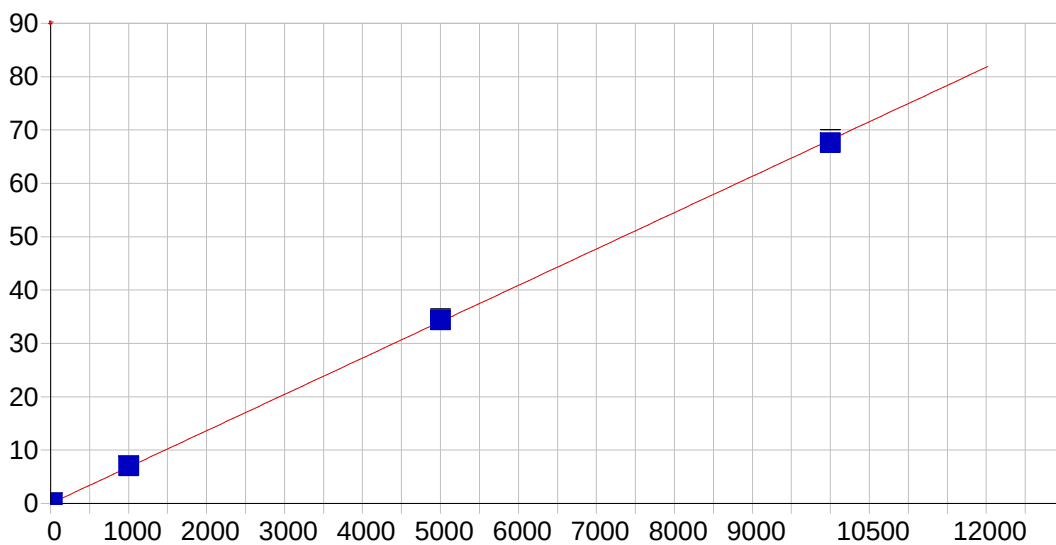


Sn 189.989 {477}

Date of Fit: 11/5/2012 10:24:21 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000183 Re-Slope: 1.000000
 A1 (Gain): 0.000250 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999714 Status: OK.
 Std Error of Est: 0.000098
 Predicted MDL: 1.030992
 Predicted MQL: 3.436639

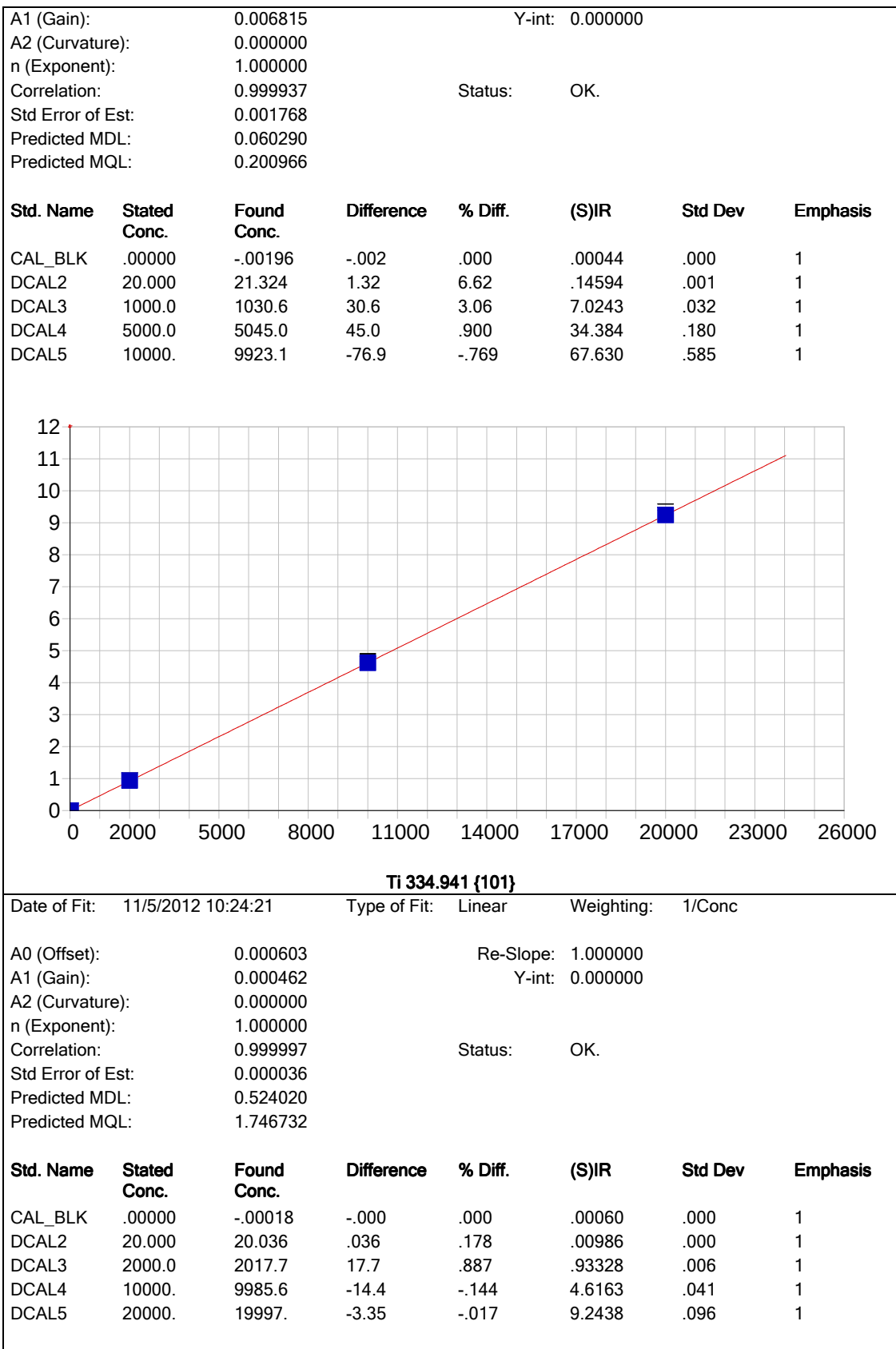
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00786	-.008	.000	-.00018	.000	1
DCAL2	50.000	55.340	5.34	10.7	.01363	.000	1
DCAL3	200.00	209.93	9.93	4.97	.05208	.000	1
DCAL4	1000.0	1016.6	16.6	1.66	.25286	.000	1
DCAL5	2000.0	1968.1	-31.9	-1.60	.48964	.007	1

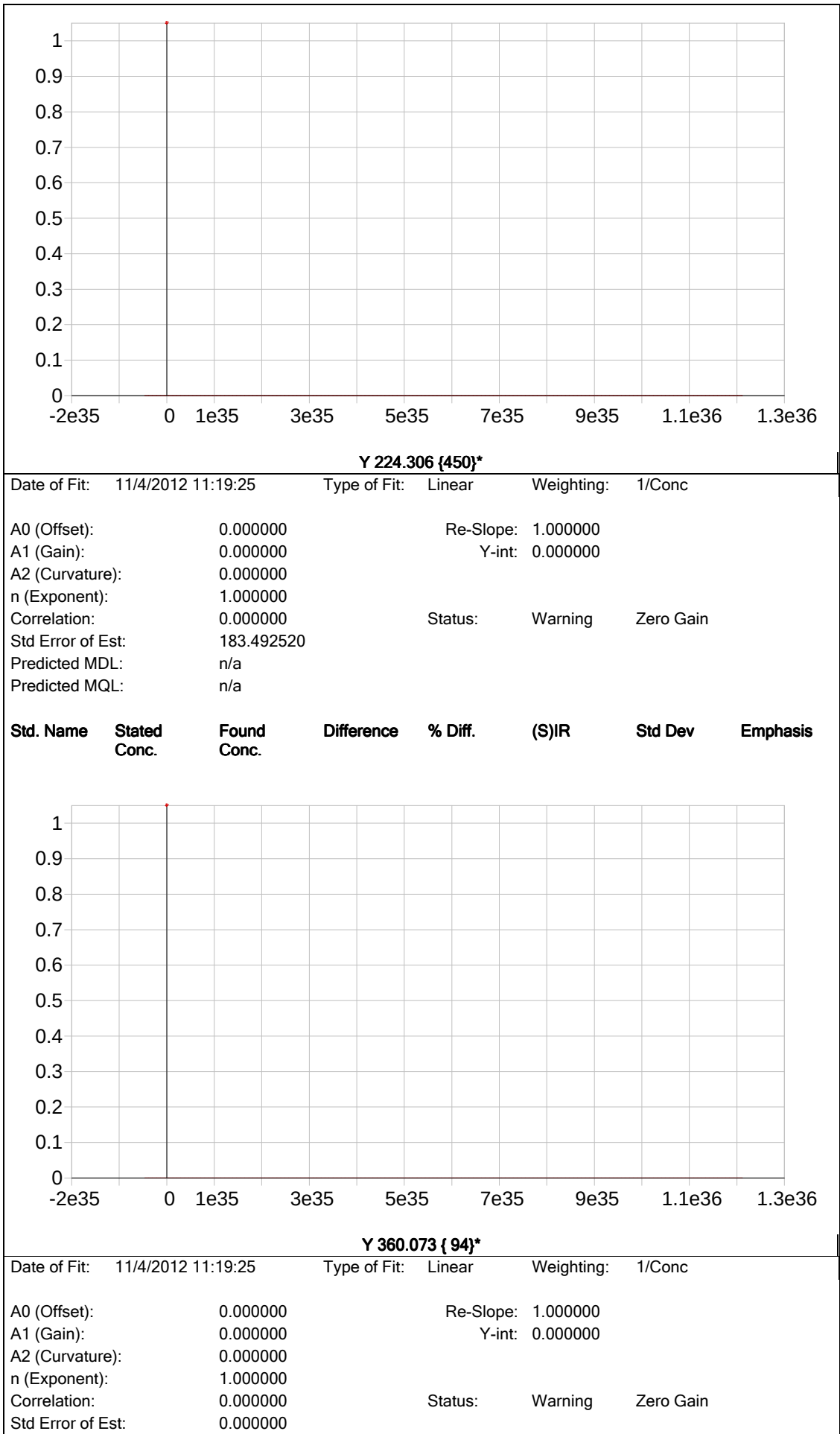


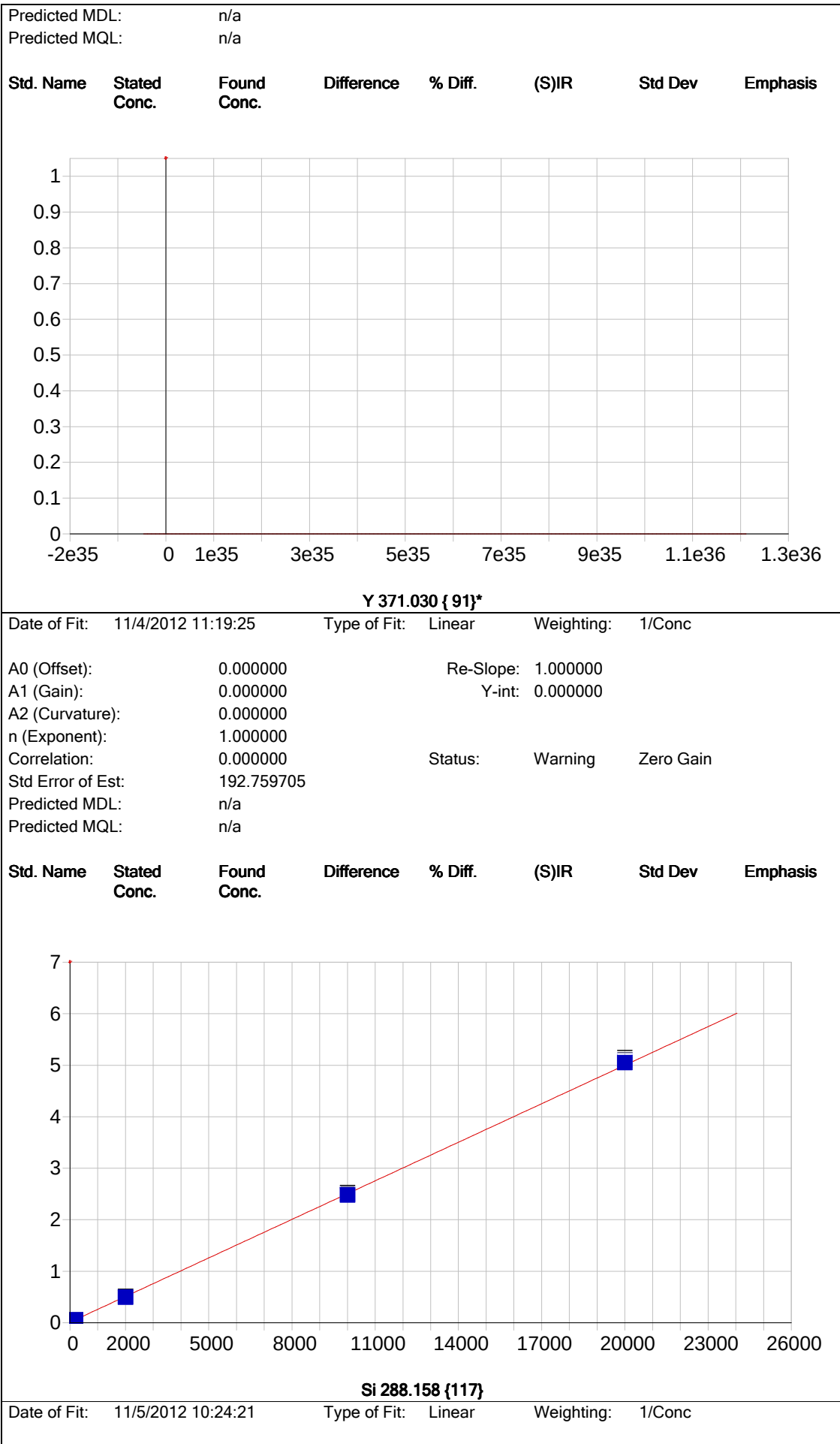
Sr 407.771 {83}

Date of Fit: 11/5/2012 10:24:21 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000458 Re-Slope: 1.000000







A0 (Offset):	0.011615	Re-Slope:	1.000000
A1 (Gain):	0.000249	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999885	Status:	OK.
Std Error of Est:	0.000395		
Predicted MDL:	7.489001		
Predicted MQL:	24.963336		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.02899	.029	.000	.01162	.006	1
DCAL2	200.00	177.61	-22.4	-11.2	.05596	.003	1
DCAL3	2000.0	1935.9	-64.1	-3.21	.49905	.010	1
DCAL4	10000.	9894.7	-105.	-1.05	2.5025	.020	1
DCAL5	20000.	20192.	192.	.958	5.0938	.051	1

Sample Name: CAL_BLK Acquired: 11/5/2012 10:02:10 Type: Cal
Method: SW846_103112(v12) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0008	-.0001	-.0000	-.0001	.0000	.0007
Stddev	.0004	.0002	.0000	.0003	.0002	.0001
%RSD	47.12	128.4	252.8	471.7	702.5	11.03

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0014	.0028	.0001	.0018	.0001	.0016
Stddev	.0002	.0003	.0000	.0001	.0000	.0008
%RSD	15.86	9.586	36.44	5.861	17.54	50.43

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0001	.0001	.0012	.0002	-.0000	.0000
Stddev	.0000	.0000	.0005	.0003	.0001	.0001
%RSD	28.62	25.85	40.88	146.4	219.9	1173.

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0002	.0001	.0010	.0006	.0003
Stddev	.0003	.0002	.0000	.0001	.0004	.0001
%RSD	427.3	74.42	36.74	7.292	65.50	58.29

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0002	.0004	.0006	.0116
Stddev	.0001	.0003	.0000	.0057
%RSD	62.11	65.98	7.717	48.69

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1494.1	38126.	15579.
Stddev	18.4	383.	140.
%RSD	1.2285	1.0047	.89571

Sample Name: DCAL1 Acquired: 11/5/2012 10:05:53 Type: Cal
Method: SW846_103112(v12) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu3247	Fe2714	Ni2316	Zn2062
Line	324.754 {104}	271.441 {124}	231.604 {446}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0033	.0007	.0051	.0131
Stddev	.0002	.0000	.0002	.0005
%RSD	6.401	1.818	3.974	3.573

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1497.6	38165.	15738.
Stddev	9.5	446.	119.
%RSD	.63110	1.1694	.75804

Sample Name: DCAL2 Acquired: 11/5/2012 10:09:36 Type: Cal
Method: SW846_103112(v12) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0109	.0001	.0014	.1978	.0096	.3571
Stddev	.0003	.0003	.0001	.0002	.0003	.0027
%RSD	3.160	193.4	6.251	.0860	3.025	.7682

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0093	.0715	.0011	.0054	.0011	.2251
Stddev	.0003	.0002	.0000	.0001	.0001	.0008
%RSD	3.256	.2147	1.729	2.445	5.516	.3726

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0475	.0102	1.039	.0186	.0009	.0014
Stddev	.0002	.0000	.005	.0002	.0001	.0001
%RSD	.4846	.1747	.4633	1.342	7.905	7.814

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0004	.0010	.0075	.0395	.0259	.0134
Stddev	.0000	.0003	.0001	.0004	.0002	.0001
%RSD	8.565	25.51	1.350	1.020	.6045	.8853

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0136	.1459	.0099	.0560
Stddev	.0002	.0009	.0002	.0025
%RSD	1.273	.6032	2.060	4.471

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1484.7	37494.	15857.
Stddev	5.3	100.	89.
%RSD	.35429	.26770	.56354

Sample Name: DCAL3 Acquired: 11/5/2012 10:13:18 Type: Cal
Method: SW846_103112(v12) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.432	.0468	.0359	1.911	.9749	1.750
Stddev	.007	.0000	.0001	.011	.0057	.010
%RSD	.4587	.0407	.3853	.5989	.5832	.5536

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.6339	.6701	.0976	.3704	.1218	.4492
Stddev	.0061	.0049	.0000	.0017	.0003	.0025
%RSD	.9664	.7265	.0359	.4612	.2471	.5547

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2279	.6325	5.173	.2172	.3253	.0252
Stddev	.0011	.0010	.027	.0010	.0025	.0009
%RSD	.4616	.1516	.5173	.4608	.7628	3.476

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0224	.0416	.0714	.6220	.1099	.3169
Stddev	.0001	.0005	.0001	.0070	.0004	.0022
%RSD	.6299	1.110	.0727	1.129	.3412	.6796

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0521	7.024	.9333	.4991
Stddev	.0003	.032	.0058	.0104
%RSD	.5750	.4578	.6264	2.082

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1470.0	37224.	15676.
Stddev	4.7	30.	122.
%RSD	.32019	.08066	.77510

Sample Name: DCAL4 Acquired: 11/5/2012 10:16:46 Type: Cal
Method: SW846_103112(v12) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.233	.2348	.1857	9.032	4.771	8.561
Stddev	.066	.0011	.0021	.026	.042	.076
%RSD	.9074	.4795	1.143	.2873	.8773	.8925

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.010	3.166	.4745	1.828	.5847	2.277
Stddev	.011	.010	.0051	.017	.0047	.021
%RSD	.3475	.3259	1.066	.9241	.8108	.8989

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.131	3.026	25.68	1.033	1.526	.1309
Stddev	.011	.027	.35	.005	.003	.0007
%RSD	.9643	.8922	1.379	.4580	.1969	.5231

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1139	.1860	.3497	2.982	.5396	1.565
Stddev	.0004	.0003	.0033	.009	.0015	.006
%RSD	.3514	.1591	.9297	.2838	.2783	.3977

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2529	34.38	4.616	2.503
Stddev	.0004	.18	.041	.020
%RSD	.1760	.5224	.8868	.8061

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1378.5	34804.	15612.
Stddev	2.6	247.	124.
%RSD	.19210	.71026	.79121

Sample Name: DCAL5 Acquired: 11/5/2012 10:20:32 Type: Cal
Method: SW846_103112(v12) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	14.65	.4838	.3899	17.55	9.541	16.45
Stddev	.20	.0053	.0046	.20	.098	.22
%RSD	1.367	1.103	1.173	1.114	1.030	1.314

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5.936	6.219	.9399	3.752	1.154	4.701
Stddev	.067	.074	.0125	.043	.015	.046
%RSD	1.126	1.187	1.328	1.149	1.307	.9691

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.256	5.906	51.70	2.015	2.964	.2670
Stddev	.030	.073	.25	.019	.028	.0038
%RSD	1.322	1.239	.4744	.9506	.9492	1.426

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2342	.3606	.6988	5.818	1.074	3.083
Stddev	.0024	.0043	.0080	.060	.013	.037
%RSD	1.019	1.180	1.139	1.037	1.182	1.189

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4896	67.63	9.244	5.094
Stddev	.0074	.59	.096	.051
%RSD	1.504	.8657	1.042	1.000

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1284.0	32787.	15162.
Stddev	11.5	338.	80.
%RSD	.89252	1.0324	.53052

Sample Name: ICV Acquired: 11/5/2012 10:24:25 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123700.	2486.	1229.	10200.	991.8	128300.
Stddev	892.	17.	5.	75.	7.1	762.
%RSD	.7210	.6663	.4364	.7382	.7204	.5935

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1269.	2538.	5057.	12310.	101100.	49390.
Stddev	9.	17.	19.	75.	433.	320.
%RSD	.6995	.6811	.3844	.6065	.4286	.6485

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125500.	5123.	125400.	2554.	7716.	991.4
Stddev	715.	24.	1221.	14.	67.	11.5
%RSD	.5698	.4767	.9734	.5479	.8679	1.164

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2470.	2565.	2510.	2526.	990.8	2528.
Stddev	17.	15.	12.	25.	5.9	14.
%RSD	.6766	.5782	.4863	1.004	.5932	.5428

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV Acquired: 11/5/2012 10:24:25 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1012.	5058.	9949.	9985.
Stddev	8.	65.	66.	157.
%RSD	.7829	1.289	.6595	1.572

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1363.1	34576.	15547.
Stddev	4.8	63.	48.
%RSD	.35443	.18118	.31049

Sample Name: ICB Acquired: 11/5/2012 10:28:07 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.34	.8478	-.6172	-.0066	.0383	3.151
Stddev	12.24	2.653	.1178	.3171	.0962	9.460
%RSD	74.90	312.9	19.08	4791.	251.0	300.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3333	.0836	-.1726	-.8077	1.592	67.70
Stddev	.1327	.1332	.1825	.9316	11.66	48.68
%RSD	39.80	159.4	105.8	115.3	732.4	71.90

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.69	.2397	34.04	.5044	2.114	2.283
Stddev	5.90	.2896	22.67	.9665	1.330	1.316
%RSD	55.22	120.9	66.60	191.6	62.88	57.66

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.231	-1.773	.2980	.0620	2.808	2.520
Stddev	2.821	3.536	.3222	.1270	.523	.526
%RSD	87.31	199.4	108.1	204.9	18.63	20.86

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB Acquired: 11/5/2012 10:28:07 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.207	.3442	1.477	-16.84
Stddev	1.267	.3302	.364	8.50
%RSD	105.0	95.94	24.64	50.48

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1513.1	38396.	15654.
Stddev	12.5	166.	116.
%RSD	.82656	.43126	.74061

Sample Name: IC5A 1817744 Acquired: 11/5/2012 10:31:51 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	492300.	3.117	-1.313	-2.361	-.0119	435900.
Stddev	421.	3.054	.322	.658	.0615	2157.
%RSD	.0855	97.97	24.54	27.88	519.0	.4948

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.895	-.3392	2.255	2.522	191900.	118.4
Stddev	.062	.1845	.327	1.079	556.	31.6
%RSD	1.594	54.39	14.50	42.81	.2898	26.67

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	488000.	1.593	9.405	-1.874	6.417	-6.711
Stddev	827.	.088	23.86	.678	3.363	1.203
%RSD	.1694	5.514	253.7	36.20	52.40	17.92

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.937	-.9775	-2.998	-.8592	-.9737	-.5138
Stddev	2.059	6.672	.363	.2135	.8502	.6212
%RSD	52.31	682.6	12.10	24.84	87.32	120.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: IC5A 1817744 Acquired: 11/5/2012 10:31:51 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.336	-.0654	-2.115	-22.54
Stddev	2.133	.0089	.200	12.31
%RSD	159.7	13.65	9.473	54.63

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1315.3	33053.	15245.
Stddev	5.7	150.	86.
%RSD	.43402	.45440	.56727

Sample Name: ICSAB 1818548 Acquired: 11/5/2012 10:35:49 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	495300.	96.96	94.38	90.94	92.83	437600.
Stddev	9911.	1.95	1.51	.10	1.83	3767.
%RSD	2.001	2.012	1.604	.1051	1.969	.8607

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	96.60	89.78	95.18	96.57	195800.	10130.
Stddev	.55	.40	1.04	2.17	689.	149.
%RSD	.5725	.4503	1.090	2.244	.3517	1.472

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	498800.	99.30	10330.	87.34	95.15	90.16
Stddev	2215.	.34	191.	.55	2.37	.66
%RSD	.4441	.3441	1.852	.6293	2.486	.7353

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	93.41	86.29	90.84	89.77	84.97	89.51
Stddev	2.54	1.12	.75	.42	1.10	1.26
%RSD	2.717	1.293	.8222	.4717	1.290	1.411

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 1818548 Acquired: 11/5/2012 10:35:49 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	82.75	92.91	92.68	61.56
Stddev	1.11	1.89	2.11	8.31
%RSD	1.338	2.030	2.279	13.51

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1313.5	32614.	15205.
Stddev	6.9	124.	153.
%RSD	.52237	.37990	1.0048

Sample Name: INT-10 1790436 Acquired: 11/5/2012 10:39:44 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	56.62	7.921	.1691	.8713	.5315	40.78
Stddev	26.70	2.495	.1063	.4119	.0535	37.93
%RSD	47.16	31.50	62.84	47.27	10.06	93.01

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.146	10990.	10330.	-3.638	-40.63	53.61
Stddev	.281	83.	76.	.973	1.03	22.16
%RSD	24.56	.7521	.7356	26.75	2.539	41.33

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-80.98	10530.	35.38	11070.	-2.796	-18.76
Stddev	16.78	73.	9.82	71.	2.135	1.52
%RSD	20.72	.6973	27.75	.6438	76.36	8.122

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-8.271	F -22.44	5099.	-3.083	-1.114	5146.
Stddev	7.095	4.46	35.	.237	.324	42.
%RSD	85.78	19.90	.6872	7.677	29.09	.8081

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		20.00				
Low Limit		-20.00				

Sample Name: INT-10 1790436 Acquired: 11/5/2012 10:39:44 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10720.	9871.	9504.	10540.
Stddev	88.	76.	87.	801.
%RSD	.8201	.7739	.9118	7.597

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1496.0	37991.	15897.
Stddev	8.1	234.	130.
%RSD	.54198	.61645	.81808

Sample Name: 460-46598-i-1-c du Acquired: 11/5/2012 10:43:26 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	96.42	17.53	-3742	60.00	.0087	67770.
Stddev	3.79	2.31	.2844	1.13	.0458	532.
%RSD	3.934	13.18	76.00	1.882	527.2	.7845

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3725	1.044	.4670	1.124	80.98	21700.
Stddev	.0424	.325	.8863	.961	7.66	108.
%RSD	11.39	31.16	189.8	85.50	9.461	.4987

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49470.	187.4	F 491800.	7.067	4.477	3.358
Stddev	577.	1.7	9418.	.313	.754	1.335
%RSD	1.166	.8873	1.915	4.426	16.84	39.76

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.049	-1.665	24.15	52.97	424.7	27.26
Stddev	3.185	2.939	.25	.66	7.9	.77
%RSD	52.65	176.5	1.048	1.254	1.855	2.822

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46598-i-1-c du Acquired: 11/5/2012 10:43:26 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.327	736.2	6.941	14200.
Stddev	.733	4.5	.174	254.
%RSD	31.52	.6177	2.506	1.791

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1353.6	33240.	15375.
Stddev	27.5	154.	233.
%RSD	2.0282	.46197	1.5125

Sample Name: 460-46598-i-1-b Acquired: 11/5/2012 10:47:15 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	99.65	16.73	-.2764	61.82	.0133	66500.
Stddev	6.72	3.44	.2075	1.13	.0273	1197.
%RSD	6.740	20.55	75.06	1.830	204.6	1.801

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2637	.8991	-.2573	1.609	70.80	21420.
Stddev	.1081	.2126	.3261	.413	11.49	373.
%RSD	40.99	23.64	126.7	25.67	16.22	1.743

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48290.	184.3	F 470900.	7.212	5.741	7.337
Stddev	815.	2.7	14430.	.497	.902	.592
%RSD	1.688	1.485	3.065	6.887	15.71	8.074

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.163	-.5143	23.85	53.18	438.7	23.87
Stddev	5.028	1.402	.40	.66	8.4	.53
%RSD	432.2	272.6	1.667	1.239	1.923	2.208

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46598-i-1-b Acquired: 11/5/2012 10:47:15 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.072	726.8	4.774	14820.
Stddev	.419	11.1	.117	319.
%RSD	39.04	1.532	2.460	2.151

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1311.1	33360.	15999.
Stddev	24.5	175.	433.
%RSD	1.8658	.52314	2.7087

Sample Name: sd 460-46598-i-1-b@5 Acquired: 11/5/2012 10:51:04 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28.94	.8424	-.6973	12.08	-.0042	13190.
Stddev	9.71	2.747	.3927	.26	.0055	113.
%RSD	33.55	326.1	56.31	2.179	132.7	.8555

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2380	.2335	.2233	.0104	1.942	4075.
Stddev	.1361	.2277	.2023	.5318	10.16	47.
%RSD	57.19	97.53	90.58	5090.	523.4	1.160

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9774.	37.37	103800.	1.741	1.337	1.302
Stddev	287.	1.21	839.	.601	2.584	1.881
%RSD	2.940	3.250	.8084	34.53	193.3	144.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6280	-1.951	4.881	10.06	84.41	5.373
Stddev	3.599	3.573	.240	.18	1.21	.560
%RSD	573.2	183.2	4.910	1.747	1.434	10.42

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-46598-i-1-b@5 Acquired: 11/5/2012 10:51:04 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7289	144.9	.9193	2666.
Stddev	.7941	.7	.6353	26.
%RSD	108.9	.4684	69.11	.9641

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1413.0	35351.	15782.
Stddev	7.5	822.	290.
%RSD	.53040	2.3249	1.8381

Sample Name: 460-46598-i-1-d.ms Acquired: 11/5/2012 10:54:48 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2057.	2147.	51.39	2196.	49.43	86050.
Stddev	24.	35.	1.30	36.	.58	919.
%RSD	1.145	1.620	2.530	1.636	1.165	1.068

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.28	515.9	203.9	246.6	1091.	41160.
Stddev	.74	8.0	5.0	4.3	29.	379.
%RSD	1.412	1.542	2.467	1.727	2.684	.9207

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	67410.	704.1	F 484700.	526.5	525.7	519.1
Stddev	1637.	16.0	3956.	8.7	8.5	8.0
%RSD	2.428	2.274	.8163	1.643	1.621	1.541

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2125.	2082.	532.4	570.5	971.8	523.5
Stddev	31.	26.	13.8	10.7	15.4	7.4
%RSD	1.481	1.262	2.590	1.877	1.584	1.422

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46598-i-1-d.ms Acquired: 11/5/2012 10:54:48 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	510.0	1198.	496.5	14870.
Stddev	8.3	14.	5.4	335.
%RSD	1.635	1.138	1.095	2.255

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1276.5	32891.	15908.
Stddev	18.6	862.	186.
%RSD	1.4565	2.6216	1.1689

Sample Name: pds 460-46598-i-1-b Acquired: 11/5/2012 10:58:29 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1959.	2066.	48.49	2110.	47.35	84620.
Stddev	10.	6.	.45	7.	.31	277.
%RSD	.5033	.2958	.9222	.3364	.6627	.3278

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.06	495.2	192.8	236.1	1031.	40360.
Stddev	.24	1.3	2.6	1.0	28.	154.
%RSD	.4789	.2639	1.372	.4416	2.719	.3813

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	65110.	672.7	F 478300.	505.0	501.0	498.1
Stddev	896.	7.9	2325.	1.7	4.6	1.1
%RSD	1.376	1.175	.4861	.3273	.9094	.2182

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2042.	2000.	505.7	548.4	949.8	506.5
Stddev	5.	10.	5.6	2.1	2.7	.8
%RSD	.2377	.5109	1.110	.3768	.2888	.1631

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-46598-i-1-b Acquired: 11/5/2012 10:58:29 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	491.3	1180.	477.0	14910.
Stddev	3.5	6.	1.5	27.
%RSD	.7189	.5429	.3062	.1839

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1279.0	33295.	16154.
Stddev	9.1	266.	50.
%RSD	.70948	.79984	.31168

Sample Name: 460-46563-h-3-b Acquired: 11/5/2012 11:02:11 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	820.0	32.67	-8651	197.3	.0691	131200.
Stddev	1.8	2.55	.6420	3.1	.0132	945.
%RSD	.2139	7.801	74.21	1.548	19.05	.7203

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.035	1.622	4.519	10.63	24540.	37680.
Stddev	.064	.503	.925	1.55	611.	217.
%RSD	6.182	31.03	20.48	14.59	2.488	.5770

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	104400.	695.7	F 695400.	21.46	26.82	-2.582
Stddev	2789.	16.5	8753.	1.08	2.40	3.984
%RSD	2.672	2.366	1.259	5.008	8.957	154.3

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5867	-2.199	7.884	114.8	504.1	12.85
Stddev	2.030	4.133	.747	1.2	8.7	.45
%RSD	346.0	188.0	9.475	1.088	1.721	3.532

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46563-h-3-b Acquired: 11/5/2012 11:02:11 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.573	991.7	37.89	F 20130.
Stddev	.925	6.4	.43	325.
%RSD	20.23	.6416	1.146	1.615

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1227.4	31919.	15896.
Stddev	23.2	569.	136.
%RSD	1.8924	1.7823	.85834

Sample Name: lcs 460-134373/2-a Acquired: 11/5/2012 11:05:59 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1866.	1871.	44.41	2073.	47.35	20370.
Stddev	22.	5.	.54	4.	.65	242.
%RSD	1.199	.2906	1.220	.1960	1.366	1.187

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.50	506.4	196.0	232.3	968.8	18370.
Stddev	.11	.6	5.1	3.3	26.3	227.
%RSD	.2158	.1236	2.619	1.427	2.710	1.236

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19330.	507.3	19460.	513.0	517.3	463.4
Stddev	457.	11.0	176.	1.2	2.6	.6
%RSD	2.361	2.165	.9035	.2269	.5093	.1255

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1856.	2205.	483.1	490.4	488.1	483.3
Stddev	10.	6.	10.0	2.3	.8	1.9
%RSD	.5333	.2805	2.075	.4633	.1562	.3925

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-134373/2-a Acquired: 11/5/2012 11:05:59 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	502.9	472.9	469.5	89.67
Stddev	1.8	5.2	7.0	57.99
%RSD	.3603	1.104	1.486	64.68

Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1399.3	36134.	16063.
Stddev	3.7	440.	117.
%RSD	.26601	1.2189	.72702

Sample Name: CCV Acquired: 11/5/2012 11:09:35 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123600.	2492.	1211.	10210.	984.8	129200.
Stddev	3297.	14.	8.	67.	24.9	3382.
%RSD	2.667	.5510	.6933	.6573	2.525	2.618

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1265.	2542.	4909.	12370.	98370.	49520.
Stddev	9.	17.	30.	330.	644.	1233.
%RSD	.7151	.6715	.6020	2.670	.6543	2.490

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121000.	4998.	125000.	2543.	7686.	1005.
Stddev	449.	33.	3340.	19.	50.	11.
%RSD	.3711	.6588	2.673	.7617	.6556	1.047

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2476.	2566.	2462.	2487.	997.3	2538.
Stddev	16.	12.	20.	26.	6.0	12.
%RSD	.6282	.4869	.8065	1.030	.6003	.4685

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/5/2012 11:09:35 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1009.	5013.	9958.	10070.
Stddev	7.	115.	259.	143.
%RSD	.6677	2.290	2.598	1.423

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1333.7	34654.	15709.
Stddev	3.9	275.	300.
%RSD	.29265	.79439	1.9067

Sample Name: CCB Acquired: 11/5/2012 11:13:17 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.833	.1223	-.0845	.1623	.0352	1.299
Stddev	10.96	1.472	.1922	.0307	.0317	1.479
%RSD	285.9	1204.	227.4	18.90	89.83	113.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0573	-.0578	-.1540	.4327	-.6837	54.55
Stddev	.1417	.3349	.1841	.5953	5.617	28.24
%RSD	247.1	579.4	119.6	137.6	821.7	51.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.503	.2152	98.70	.0680	-1.346	1.168
Stddev	2.818	.1772	24.75	.5484	1.618	.798
%RSD	37.56	82.36	25.08	807.0	120.2	68.29

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1839	-1.621	.1007	.0308	2.247	2.229
Stddev	2.953	.659	.4635	.0837	.661	.120
%RSD	1606.	40.64	460.1	271.4	29.43	5.365

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/5/2012 11:13:17 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.510	.1569	1.538	-16.32
Stddev	.193	.1312	.649	12.71
%RSD	12.76	83.64	42.17	77.86

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1518.7	38235.	16088.
Stddev	14.5	504.	196.
%RSD	.95551	1.3172	1.2172

Sample Name: mb 460-134373/1-a Acquired: 11/5/2012 11:17:01 Type: QC

Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.223	1.849	-4.560	-.1408	.0011	13.64
Stddev	6.398	1.103	.4516	.1207	.0537	3.08
%RSD	151.5	59.65	99.03	85.75	4721.	22.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2333	.1455	.5057	7.408	-7.600	22.47
Stddev	.0801	.1550	.3531	1.362	3.662	2.26
%RSD	34.34	106.5	69.81	18.38	48.18	10.07

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.848	.0194	41.79	.7960	-.7625	3.396
Stddev	6.328	.0478	5.00	.1518	1.036	1.984
%RSD	71.52	246.4	11.97	19.07	135.9	58.41

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2900	-2.073	-.0685	-.0960	7.361	.2951
Stddev	3.288	3.050	.5023	.2572	.237	.2851
%RSD	1134.	147.2	733.4	267.8	3.224	96.60

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-134373/1-a Acquired: 11/5/2012 11:17:01 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.047	.0194	-.4535	77.76
Stddev	.489	.0773	.7330	3.26
%RSD	46.71	398.7	161.6	4.194

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1519.2	38884.	16524.
Stddev	16.8	335.	230.
%RSD	1.1071	.86272	1.3910

Sample Name: 460-46565-h-3-b Acquired: 11/5/2012 11:20:44 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	722.9	31.91	-.6475	199.4	.0358	131800.
Stddev	22.9	3.93	.6689	2.8	.0038	2151.
%RSD	3.161	12.31	103.3	1.406	10.50	1.633

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.064	1.644	4.159	8.961	24580.	37980.
Stddev	.145	.222	1.042	.533	113.	510.
%RSD	13.67	13.48	25.07	5.952	.4606	1.344

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	105800.	702.6	F 702000.	21.51	21.53	-1.491
Stddev	424.	2.8	19790.	.50	1.20	2.724
%RSD	.4006	.3999	2.819	2.306	5.571	182.6

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.486	-.1530	7.972	113.2	513.6	12.62
Stddev	1.644	4.327	.356	.8	12.0	.34
%RSD	25.35	2828.	4.465	.6982	2.345	2.718

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46565-h-3-b Acquired: 11/5/2012 11:20:44 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.429	1001.	32.83	F 20530.
Stddev	.583	15.	.76	336.
%RSD	13.15	1.524	2.318	1.637

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1213.2	31667.	16284.
Stddev	26.7	335.	325.
%RSD	2.2008	1.0575	1.9943

Sample Name: 460-46597-g-1-b Acquired: 11/5/2012 11:24:33 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	175.2	13.60	-.2935	55.15	.0177	61570.
Stddev	.2	2.73	1.021	.22	.0061	325.
%RSD	.1328	20.06	347.7	.3898	34.57	.5276

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4167	.4459	1.287	5.315	199.5	17690.
Stddev	.0850	.0817	.897	.649	10.1	89.
%RSD	20.41	18.33	69.65	12.21	5.068	.5049

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40260.	190.5	F 445300.	7.255	9.430	2.173
Stddev	485.	1.6	1414.	1.001	.860	2.905
%RSD	1.204	.8617	.3176	13.80	9.120	133.7

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.686	-2.712	19.63	34.02	476.5	23.25
Stddev	4.952	2.720	.42	.42	.7	.19
%RSD	74.06	100.3	2.123	1.233	.1374	.8307

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46597-g-1-b Acquired: 11/5/2012 11:24:33 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.471	616.5	6.785	17530.
Stddev	.434	3.0	.056	60.
%RSD	29.47	.4839	.8312	.3447

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1270.3	33064.	16572.
Stddev	6.2	78.	154.
%RSD	.48792	.23463	.93074

Sample Name: 460-46598-i-2-b Acquired: 11/5/2012 11:28:22 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	294.2	19.72	.0480	13.29	.0261	61350.
Stddev	6.8	.76	.6357	.43	.0273	1397.
%RSD	2.326	3.829	1325.	3.239	104.4	2.277

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3617	.4559	1.048	4.823	347.6	16910.
Stddev	.1631	.0939	.308	1.295	5.9	350.
%RSD	45.08	20.59	29.40	26.85	1.688	2.072

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39400.	346.3	F 444900.	8.990	14.33	1.906
Stddev	145.	1.3	4606.	.745	2.56	1.286
%RSD	.3681	.3794	1.035	8.283	17.84	67.49

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.039	-1.889	11.50	38.05	614.6	27.12
Stddev	2.030	.732	.52	.80	11.3	.62
%RSD	50.27	38.76	4.500	2.116	1.837	2.275

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46598-i-2-b Acquired: 11/5/2012 11:28:22 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.925	563.8	10.14	18600.
Stddev	1.304	13.2	.47	282.
%RSD	67.73	2.339	4.595	1.515

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1280.4	33545.	16469.
Stddev	17.7	299.	313.
%RSD	1.3801	.89054	1.9007

Sample Name: 460-46598-i-3-b Acquired: 11/5/2012 11:32:10 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	711.6	10.91	-1.506	322.6	.0683	F 284300.
Stddev	29.0	4.30	.405	3.4	.0269	11810.
%RSD	4.070	39.40	26.88	1.060	39.36	4.156

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.646	46.32	.9088	23.41	14760.	F 166400.
Stddev	.157	1.31	.6369	1.82	257.	6668.
%RSD	9.522	2.836	70.09	7.761	1.740	4.007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						100000.
Low Limit						-5000.

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 417500.	3661.	F 1456000.	557.6	13.54	-7.111
Stddev	8480.	59.	123500.	10.2	2.20	1.690
%RSD	2.031	1.605	8.479	1.830	16.29	23.77

Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.		250000.			
Low Limit	-2000.		-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.50	-6.114	2.899	1042.	F 2075.	12.45
Stddev	10.42	1.567	.444	22.	18.	.34
%RSD	99.31	25.64	15.33	2.144	.8835	2.720

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					2000.	
Low Limit					-50.00	

Sample Name: 460-46598-i-3-b Acquired: 11/5/2012 11:32:10 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.973	3870.	13.62	14720.
Stddev	1.280	185.	1.05	78.
%RSD	32.21	4.773	7.720	.5298

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	912.68	25428.	15451.
Stddev	6.99	414.	630.
%RSD	.76584	1.6268	4.0785

Sample Name: 460-46598-i-4-b Acquired: 11/5/2012 11:36:12 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1505.	23.26	-3325	32.46	.0690	58630.
Stddev	30.	2.50	.2788	.37	.0066	1056.
%RSD	1.969	10.77	83.86	1.129	9.559	1.802

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3978	1.461	3.802	17.62	2139.	21050.
Stddev	.1466	.055	.236	.93	26.	374.
%RSD	36.85	3.752	6.207	5.264	1.220	1.779

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39230.	678.1	F 438600.	13.40	32.54	1.337
Stddev	759.	11.5	3086.	.26	.25	.224
%RSD	1.935	1.693	.7036	1.924	.7541	16.71

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.152	-1.152	24.70	141.6	620.5	27.26
Stddev	3.408	3.517	.47	2.2	2.0	.29
%RSD	82.09	305.4	1.914	1.525	.3205	1.055

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46598-i-4-b Acquired: 11/5/2012 11:36:12 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.476	588.6	41.41	F 22450.
Stddev	1.772	10.3	.83	124.
%RSD	71.58	1.755	1.996	.5519

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1243.6	33282.	17286.
Stddev	5.7	278.	312.
%RSD	.45962	.83490	1.8055

Sample Name: 460-46598-i-3-b@2 Acquired: 11/5/2012 11:40:00 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	355.8	3.246	-5253	161.9	.0174	150900.
Stddev	8.8	2.170	.2371	2.9	.0166	2923.
%RSD	2.473	66.85	45.13	1.773	95.75	1.938

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7528	23.30	1.102	10.95	7730.	81600.
Stddev	.0693	.53	.465	.77	91.	1356.
%RSD	9.200	2.285	42.21	7.016	1.176	1.662

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	221400.	1909.	F 1199000.	288.4	4.395	-2.359
Stddev	2299.	15.	53950.	5.8	3.276	1.442
%RSD	1.039	.7853	4.500	2.019	74.54	61.14

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.293	-3.868	1.761	543.3	995.2	5.577
Stddev	3.021	2.778	.258	13.1	14.5	.234
%RSD	41.42	71.82	14.64	2.406	1.456	4.204

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46598-i-3-b@2 Acquired: 11/5/2012 11:40:00 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.961	1972.	7.787	6564.
Stddev	.839	37.	.433	62.
%RSD	28.35	1.882	5.561	.9371

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1054.3	28238.	15967.
Stddev	9.6	7.	247.
%RSD	.91454	.02512	1.5466

Sample Name: CCV Acquired: 11/5/2012 11:43:48 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120600.	2556.	1186.	10180.	943.3	126100.
Stddev	1732.	41.	14.	121.	16.4	1894.
%RSD	1.436	1.587	1.156	1.189	1.740	1.502

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1232.	2524.	4632.	12240.	92000.	48810.
Stddev	14.	33.	53.	171.	1090.	586.
%RSD	1.162	1.294	1.136	1.395	1.185	1.200

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 110200.	4743.	123000.	2524.	7429.	1053.
Stddev	1110.	56.	1215.	32.	95.	11.
%RSD	1.007	1.177	.9882	1.255	1.279	1.019

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	125000.					
Range	-10.50%					

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2570.	2526.	2388.	2300.	1035.	2558.
Stddev	33.	24.	26.	24.	14.	33.
%RSD	1.274	.9408	1.104	1.036	1.336	1.285

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/5/2012 11:43:48 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	973.1	5148.	9703.	F 11260.
Stddev	9.6	107.	138.	176.
%RSD	.9841	2.078	1.419	1.558

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				10000.
Range				10.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1258.8	34982.	17634.
Stddev	13.1	373.	312.
%RSD	1.0440	1.0670	1.7671

Sample Name: CCB Acquired: 11/5/2012 11:47:30 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.414	-1.726	.0496	-.1005	.0225	-3.431
Stddev	3.780	2.119	.4531	.0801	.0397	2.433
%RSD	69.82	122.8	914.0	79.70	176.5	70.91

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2052	-.2859	-.3056	.2042	-10.48	35.83
Stddev	.1235	.1341	.4040	.1907	2.00	10.66
%RSD	60.20	46.91	132.2	93.39	19.05	29.75

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.302	.1002	191.1	-.1459	-1.116	.8633
Stddev	2.401	.0368	33.3	.5956	.723	1.783
%RSD	25.81	36.74	17.40	408.2	64.83	206.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.819	-.6576	.1575	-.0439	2.376	2.193
Stddev	.605	2.037	.6084	.0542	.547	.538
%RSD	33.29	309.7	386.3	123.3	23.01	24.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/5/2012 11:47:30 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.9058	.0435	.9350	-11.60
Stddev	.7463	.0855	.4401	10.21
%RSD	82.39	196.4	47.07	88.01

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1424.0	38669.	17895.
Stddev	12.3	588.	267.
%RSD	.86257	1.5198	1.4914

Sample Name: CCV Acquired: 11/5/2012 14:22:20 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123100.	2483.	1183.	10130.	960.7	129400.
Stddev	1445.	61.	19.	259.	10.7	1475.
%RSD	1.174	2.443	1.625	2.557	1.114	1.140

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1249.	2519.	4752.	12360.	95730.	49650.
Stddev	33.	68.	128.	130.	2617.	511.
%RSD	2.643	2.690	2.685	1.049	2.734	1.029

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	116500.	4877.	126600.	2501.	7529.	1005.
Stddev	3640.	123.	708.	64.	190.	23.
%RSD	3.124	2.517	.5593	2.555	2.526	2.292

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2468.	2519.	2398.	2396.	999.4	2524.
Stddev	55.	69.	55.	66.	23.6	69.
%RSD	2.216	2.752	2.279	2.757	2.358	2.727

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/5/2012 14:22:20 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	984.5	4978.	9841.	10160.
Stddev	25.4	170.	109.	142.
%RSD	2.583	3.408	1.104	1.402

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1312.5	35116.	16197.
Stddev	23.8	518.	160.
%RSD	1.8125	1.4738	.98584

Sample Name: CCB Acquired: 11/5/2012 14:26:02 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.0882	-1.979	-4.796	-0.0668	.0023	-5.077
Stddev	6.080	1.235	.0639	.2883	.0138	3.986
%RSD	6891.	62.39	13.33	431.8	611.9	78.52

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1568	-.2508	-.0149	-.5465	-.5746	18.38
Stddev	.0808	.2081	.2284	.5442	8.764	18.10
%RSD	51.50	82.97	1532.	99.58	1525.	98.48

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.34	.0210	34.62	-.2971	-.6972	1.947
Stddev	2.71	.0347	13.40	.6668	1.790	1.831
%RSD	23.86	165.1	38.70	224.4	256.7	94.04

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4179	-2.576	-.0467	.1934	.6487	2.244
Stddev	1.468	2.404	.3750	.2522	.5239	.393
%RSD	351.1	93.30	803.0	130.4	80.76	17.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/5/2012 14:26:02 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.123	.0082	.3842	-15.89
Stddev	.453	.0167	.3422	8.67
%RSD	40.37	204.4	89.08	54.55

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1451.4	39041.	16582.
Stddev	5.5	54.	381.
%RSD	.37629	.13948	2.2998

Sample Name: pds 460-46532-a-7-d@ Acquired: 11/5/2012 14:44:21 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30760.	1823.	41.55	2434.	46.43	21620.
Stddev	538.	20.	.52	30.	.99	375.
%RSD	1.748	1.072	1.254	1.225	2.124	1.733

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.71	494.6	236.7	238.5	30670.	19090.
Stddev	.67	7.0	1.4	4.1	213.	279.
%RSD	1.367	1.409	.5789	1.700	.6947	1.462

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20040.	583.8	19640.	503.6	557.4	442.0
Stddev	104.	3.0	314.	7.4	5.8	2.1
%RSD	.5192	.5083	1.597	1.468	1.043	.4817

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1802.	2046.	543.7	514.5	476.3	469.9
Stddev	21.	23.	2.0	5.7	6.4	5.2
%RSD	1.188	1.131	.3726	1.100	1.342	1.097

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-46532-a-7-d@ Acquired: 11/5/2012 14:44:21 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	478.8	490.5	940.9	2116.
Stddev	7.4	8.7	17.7	55.
%RSD	1.551	1.778	1.880	2.614

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1443.3	37911.	17242.
Stddev	11.8	148.	184.
%RSD	.82033	.38948	1.0654

Sample Name: CCB Acquired: 11/5/2012 14:51:35 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.466	-.9957	-.1142	-.2318	.0082	-1.475
Stddev	3.480	1.056	.4442	.0782	.0397	1.699
%RSD	100.4	106.1	389.1	33.72	483.3	115.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2015	-.3386	.2594	-1.346	-1.447	19.88
Stddev	.0656	.0355	.4712	.490	16.25	41.26
%RSD	32.57	10.48	181.6	36.41	1123.	207.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.623	.0636	42.74	.0133	-1.219	2.733
Stddev	2.408	.0573	15.26	.5216	1.742	3.225
%RSD	42.84	90.14	35.71	3931.	143.0	118.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4681	-3.483	-.1985	.3264	1.111	2.218
Stddev	3.352	1.085	.3539	.1706	.763	.197
%RSD	716.2	31.16	178.3	52.27	68.69	8.886

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/5/2012 14:51:35 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2248	.0153	.2909	-11.74
Stddev	.8340	.0715	.4897	6.29
%RSD	371.1	468.5	168.3	53.59

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1471.5	39318.	16905.
Stddev	4.9	286.	130.
%RSD	.33483	.72809	.77060

Sample Name: 460-46532-a-7-e du@4 Acquired: 11/5/2012 14:29:47 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29520.	7.347	-1.228	419.1	.7536	1728.
Stddev	260.	.323	.356	4.8	.0287	14.
%RSD	.8812	4.402	29.03	1.134	3.807	.7832

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6368	6.061	44.91	12.28	29890.	1089.
Stddev	.1741	.176	.52	.33	409.	20.
%RSD	27.35	2.903	1.157	2.707	1.367	1.881

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1982.	94.65	556.5	11.51	67.51	1.754
Stddev	25.	1.32	6.3	.31	.47	1.475
%RSD	1.239	1.396	1.129	2.656	.7036	84.14

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.664	-4.096	70.76	50.07	5.013	.5416
Stddev	1.545	3.814	.70	.37	.236	.4870
%RSD	57.97	93.11	.9837	.7458	4.705	89.92

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46532-a-7-e du@4 Acquired: 11/5/2012 14:29:47 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.393	24.13	495.6	1973.
Stddev	.654	.24	3.7	25.
%RSD	12.13	.9997	.7520	1.245

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1493.2	39203.	17291.
Stddev	12.6	267.	113.
%RSD	.84509	.68225	.65510

Sample Name: 460-46532-a-7-d@4 Acquired: 11/5/2012 14:33:25 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29270.	7.749	-1.169	424.2	.7809	1715.
Stddev	649.	2.906	.149	4.2	.0036	37.
%RSD	2.218	37.50	12.76	.9933	.4549	2.154

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5906	6.071	45.17	11.85	30070.	1081.
Stddev	.0580	.307	.86	.99	861.	25.
%RSD	9.816	5.064	1.897	8.391	2.865	2.292

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2001.	95.03	540.1	12.38	65.86	2.125
Stddev	53.	2.76	10.4	.86	.23	1.223
%RSD	2.670	2.909	1.924	6.947	.3499	57.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.410	-4.674	72.23	51.19	5.285	.4789
Stddev	3.655	.413	2.54	.72	.466	.4497
%RSD	259.3	8.830	3.517	1.400	8.811	93.90

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46532-a-7-d@4 Acquired: 11/5/2012 14:33:25 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.714	23.78	491.3	1981.
Stddev	1.013	.50	11.2	11.
%RSD	21.48	2.082	2.273	.5336

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1488.0	39083.	17274.
Stddev	5.9	819.	287.
%RSD	.39599	2.0967	1.6631

Sample Name: 460-46532-a-7-f ms@4 Acquired: 11/5/2012 14:40:46 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49430.	862.5	20.64	1355.	25.06	12060.
Stddev	337.	.2	.46	4.	.24	82.
%RSD	.6808	.0261	2.219	.3254	.9525	.6763

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25.00	256.7	162.3	131.0	38380.	11290.
Stddev	.06	1.1	1.2	1.9	227.	88.
%RSD	.2404	.4409	.7393	1.446	.5918	.7809

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12150.	358.3	10490.	269.1	298.0	106.5
Stddev	96.	1.4	64.	1.1	1.7	.4
%RSD	.7938	.3948	.6077	.3932	.5718	.3734

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	895.4	1040.	333.9	294.3	225.6	228.1
Stddev	8.8	2.	1.2	.7	1.5	.9
%RSD	.9823	.2189	.3576	.2535	.6499	.4097

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46532-a-7-f ms@4 Acquired: 11/5/2012 14:40:46 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	213.8	275.6	797.0	2700.
Stddev	1.4	1.6	6.4	18.
%RSD	.6595	.5901	.8015	.6736

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1465.0	38365.	17085.
Stddev	6.1	301.	39.
%RSD	.41649	.78489	.23028

Sample Name: CCV Acquired: 11/5/2012 14:47:54 Type: QC
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121800.	2477.	1194.	10130.	956.1	127400.
Stddev	1734.	10.	6.	64.	14.2	1760.
%RSD	1.423	.3901	.4814	.6278	1.482	1.381

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1245.	2515.	4834.	12170.	96000.	49250.
Stddev	7.	14.	24.	160.	364.	740.
%RSD	.5987	.5435	.4897	1.318	.3795	1.503

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	117700.	4904.	125400.	2524.	7533.	1011.
Stddev	564.	21.	1272.	20.	56.	9.
%RSD	.4791	.4341	1.014	.7811	.7388	.9256

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2471.	2519.	2427.	2410.	997.3	2509.
Stddev	22.	13.	12.	19.	5.4	13.
%RSD	.8869	.4987	.5078	.7902	.5445	.5007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/5/2012 14:47:54 Type: QC
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	986.3	5024.	9733.	10080.
Stddev	7.8	62.	141.	138.
%RSD	.7956	1.224	1.449	1.374

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1331.1	35385.	16275.
Stddev	4.3	139.	242.
%RSD	.32183	.39326	1.4889

Sample Name: sd 460-46532-a-7-d@2 Acquired: 11/5/2012 14:37:04 Type: Unk
Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5683.	-.3648	-.2305	83.93	.1611	329.3
Stddev	234.	2.465	.1940	.40	.0335	12.0
%RSD	4.117	675.8	84.18	.4811	20.77	3.654

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2797	.8597	8.629	1.272	5909.	173.5
Stddev	.0913	.1656	.127	.671	37.	18.1
%RSD	32.62	19.27	1.467	52.80	.6226	10.41

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	408.8	18.72	104.2	3.294	14.37	-.4355
Stddev	7.0	.08	4.3	.843	1.33	1.075
%RSD	1.714	.4067	4.154	25.58	9.280	246.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.753	-.1762	13.50	9.584	1.152	.1382
Stddev	1.808	1.631	.34	.212	.172	.4524
%RSD	65.66	925.7	2.491	2.213	14.98	327.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-46532-a-7-d@2 Acquired: 11/5/2012 14:37:04 Type: Unk
 Method: SW846_103112(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.077	4.630	94.73	369.5
Stddev	.739	.185	4.04	.7
%RSD	68.61	3.995	4.259	.1906

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1494.9	39867.	17217.
Stddev	3.9	263.	549.
%RSD	.26415	.66024	3.1917

Line	Conc.	Units	SD/RSD	1	2	3	4	5	

*** Standard: 1 Rep: 1				Seq: 1		12:28:22	02 Nov 12	HG	
Hg	.000	ppb	11302						=
*** Standard: 1 Rep: 1				Seq: 2		12:31:12	02 Nov 12	HG	
Hg	.000	ppb	297						=
*** Standard: 2 Rep: 1				Seq: 3		12:33:06	02 Nov 12	HG	
Hg	.200	ppb	10156						=
*** Standard: 3 Rep: 1				Seq: 4		12:35:07	02 Nov 12	HG	
Hg	1.00	ppb	50146						=
*** Standard: 4 Rep: 1				Seq: 5		12:36:52	02 Nov 12	HG	
Hg	2.00	ppb	91491						=
*** Standard: 5 Rep: 1				Seq: 6		12:38:43	02 Nov 12	HG	
Hg	5.00	ppb	231846						=
*** Standard: 6 Rep: 1				Seq: 7		12:40:39	02 Nov 12	HG	
Hg	10.0	ppb	455345						=
*** Check Standard: 3 Ck3AICV				Seq: 8		12:42:58	02 Nov 12	HG	
Line Flag %Rcv. Found True Units SD/RSD									
Hg		103.	5.14	5.00	ppb	.000			=
*** Check Standard: 1 Ck1ICB/CCB				Seq: 9		12:44:43	02 Nov 12	HG	
Line Flag Found Range(+/-) Units SD/RSD									
Hg		-.040	.200	ppb		.000			=
*** Sample ID:				Seq: 10		12:46:59	02 Nov 12	HG	
			MB 460-134208/1-A						
Hg	.004	ppb	.000	.004					=
=====									
*** Sample ID: LCSSRM 460				Seq: 11		12:48:54	02 Nov 12	HG	
			-134208/2-a@25						
Hg	6.32	ppb	.000	6.32					=
=====									

Protocol: SW846A

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5	

*** Sample ID:				Seq: 12		12:51:51	02 Nov 12	HG	
				460-46023-D-11-J					
Hg	.746	ppb	.000	.746					=
*** Sample ID:				Seq: 13		12:53:36	02 Nov 12	HG	
				460-46023-A-11-D DU					
Hg	.833	ppb	.000	.833					=
*** Sample ID:				Seq: 14		12:55:20	02 Nov 12	HG	
				460-46023-D-11-K MS					
Hg	1.90	ppb	.000	1.90					=
*** Sample ID:				Seq: 15		12:57:06	02 Nov 12	HG	
				460-46023-D-9-D					
Hg	.286	ppb	.000	.286					=
*** Sample ID:				Seq: 16		12:58:54	02 Nov 12	HG	
				460-46023-D-10-D					
Hg	.215	ppb	.000	.215					=
*** Sample ID:				Seq: 17		13:00:49	02 Nov 12	HG	
				460-46023-D-12-D					
Hg	.369	ppb	.000	.369					=
*** Check Standard: 2	Ck2ACCV			Seq: 18		13:02:36	02 Nov 12	HG	
Line Flag	%Rcv.	Found	True	Units		SD/RSD			
Hg	107.	5.33	5.00	ppb		.000			=
*** Check Standard: 1	Ck1ICB/CCB			Seq: 19		13:04:20	02 Nov 12	HG	
Line Flag	Found	Range(+/-)	Units		SD/RSD				
Hg	-.078	.200		ppb	.000				=
*** Sample ID:				Seq: 20		13:06:27	02 Nov 12	HG	
				460-46023-D-13-D					
Hg	.020	ppb	.000	.020					=
*** Sample ID:				Seq: 21		13:08:14	02 Nov 12	HG	
				460-46380-A-5-G					
Hg	.984	ppb	.000	.984					=
*** Sample ID:				Seq: 22		13:10:02	02 Nov 12	HG	
				460-46380-A-6-E					
Hg	-.008	ppb	.000	-.008					=
*** Sample ID:				Seq: 23		13:11:48	02 Nov 12	HG	
				460-46440-A-1-E					
Hg	-.010	ppb	.000	-.010					=

Line	Conc.	Units	SD/RSD	1	2	3	4	5	

*** Sample ID:				Seq: 24		13:13:35	02 Nov 12	HG	
				460-46440-A-2-E					
Hg	.059	ppb	.000	.059					=
*** Sample ID:				Seq: 25		13:15:19	02 Nov 12	HG	
				460-46440-A-3-E					
Hg	.250	ppb	.000	.250					=
*** Sample ID:				Seq: 26		13:17:08	02 Nov 12	HG	
				460-46496-D-2-B					
Hg	-.071	ppb	.000	-.071					=
*** Sample ID:				Seq: 27		13:18:52	02 Nov 12	HG	
				460-46496-D-3-B					
Hg	.001	ppb	.000	.001					=
*** Check Standard: 2	Ck2ACCV			Seq: 28		13:21:00	02 Nov 12	HG	
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		106.	5.28	5.00	ppb	.000			=
*** Check Standard: 1	Ck1ICB/CCB			Seq: 29		13:22:49	02 Nov 12	HG	
Line	Flag	Found	Range(+/-)	Units	SD/RSD				
Hg		-.042	.200	ppb	.000				=
*** Sample ID:				Seq: 30		13:24:45	02 Nov 12	HG	
				460-46496-D-4-B					
Hg	.006	ppb	.000	.006					=
*** Sample ID:				Seq: 31		13:27:14	02 Nov 12	HG	
				460-46496-D-6-B					
Hg	-.005	ppb	.000	-.005					=
*** Sample ID:				Seq: 32		13:29:22	02 Nov 12	HG	
				460-46496-D-7-B					
Hg	-.012	ppb	.000	-.012					=
*** Sample ID:				Seq: 33		13:31:08	02 Nov 12	HG	
				460-46526-B-3-A					
Hg	.217	ppb	.000	.217					=
*** Sample ID:				Seq: 34		13:32:59	02 Nov 12	HG	
				460-46423-C-1-A					
Hg	.926	ppb	.000	.926					=
*** Sample ID:				Seq: 35		13:34:46	02 Nov 12	HG	
				460-46423-C-2-A					
Hg	115.	ppb	.000	115.					=

Protocol: SW846A

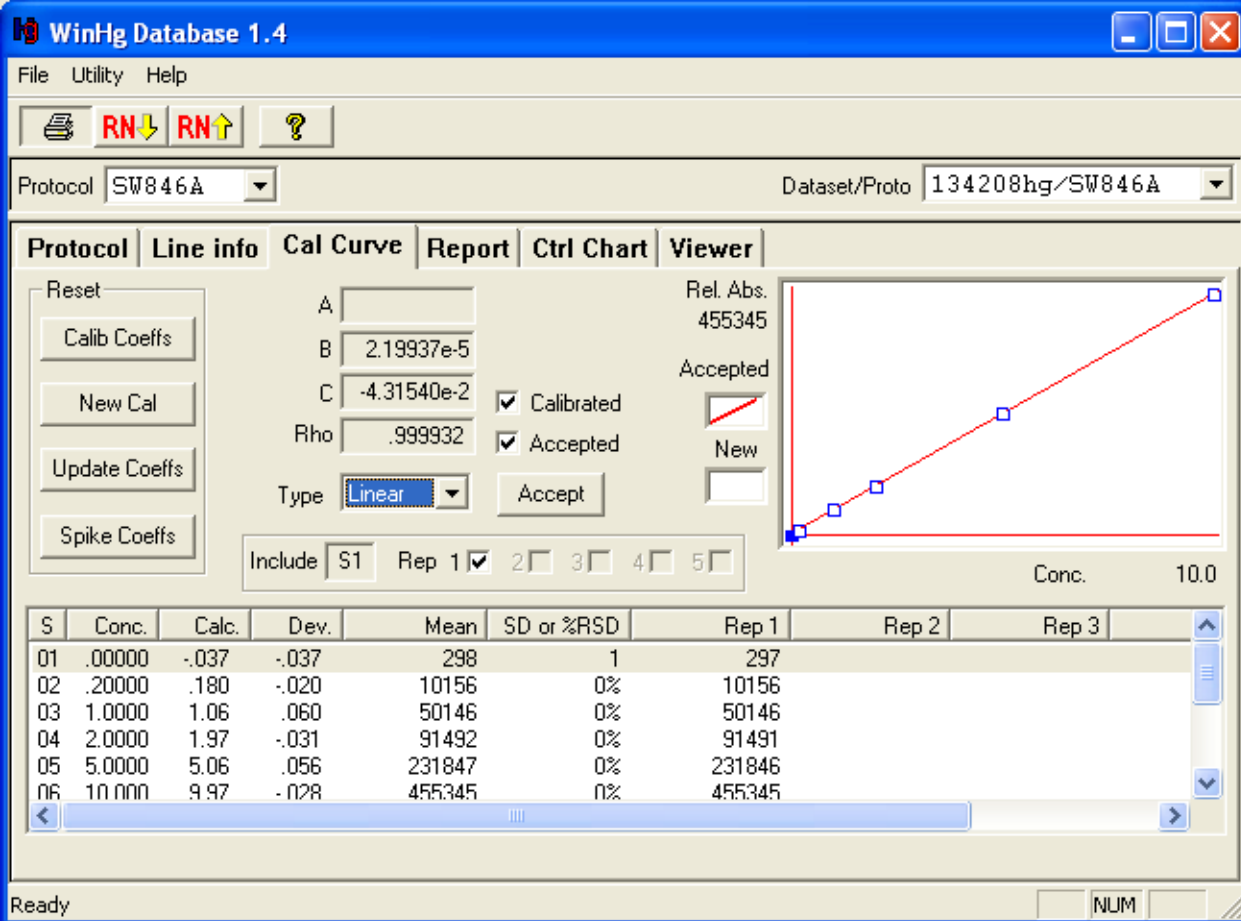
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5	

*** Sample ID:				Seq: 36		13:37:32	02 Nov 12	HG	
				460-46423-C-4-A					
Hg	14.7	ppb	.000	14.7					=
*** Sample ID:				Seq: 37		13:39:37	02 Nov 12	HG	
				460-46423-C-5-A					
Hg	.049	ppb	.000	.049					=
=====									
*** Sample ID: sd 460-460				Seq: 38		13:41:21	02 Nov 12	HG	
				23-D-11-J@5					
Hg	.132	ppb	.000	.132					=
*** Check Standard: 2 Ck2ACCV				Seq: 39		13:43:20	02 Nov 12	HG	
Line Flag %Rcv. Found True Units				SD/RSD					
Hg		106.	5.30	5.00	ppb	.000			=
*** Check Standard: 1 Ck1ICB/CCB				Seq: 40		13:45:04	02 Nov 12	HG	
Line Flag Found Range(+/-) Units				SD/RSD					
Hg		-.062	.200		ppb	.000			=
*** Sample ID:				Seq: 41		13:46:49	02 Nov 12	HG	
				MB 460-134233/1-A					
Hg	-.017	ppb	.000	-.017					=
=====									
*** Sample ID: LCSSRM 460				Seq: 42		13:48:34	02 Nov 12	HG	
				-134233/2-a@25					
Hg	5.78	ppb	.000	5.78					=
=====									
*** Sample ID:				Seq: 43		13:50:29	02 Nov 12	HG	
				460-46532-A-7-A					
Hg	.068	ppb	.000	.068					=
*** Sample ID:				Seq: 44		13:52:26	02 Nov 12	HG	
				460-46532-A-7-B DU					
Hg	.129	ppb	.000	.129					=
*** Sample ID:				Seq: 45		13:54:15	02 Nov 12	HG	
				460-46532-A-7-C MS					
Hg	1.11	ppb	.000	1.11					=
*** Sample ID:				Seq: 46		13:56:01	02 Nov 12	HG	
				sd 460-46532-A-7-A@5					
Hg	-.021	ppb	.000	-.021					=

Line	Conc.	Units	SD/RSD	1	2	3	4	5		

***	Check Standard:	2	Ck2ACCV	Seq:	47	13:57:46	02	Nov	12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD				
Hg		108.	5.38	5.00	ppb	.000				
=										
***	Check Standard:	1	Ck1ICB/CCB	Seq:	48	13:59:45	02	Nov	12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD					
Hg		-.028	.200	ppb	.000					
=										
***	Sample ID:			Seq:	49	14:02:20	02	Nov	12	HG
				460-46423-C-2-A@50						
Hg	4.60	ppb	.000	4.60						
=										
***	Sample ID:			Seq:	50	14:04:35	02	Nov	12	HG
				460-46423-C-4-A@3						
Hg	5.23	ppb	.000	5.23						
=										
***	Check Standard:	2	Ck2ACCV	Seq:	51	14:06:23	02	Nov	12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD				
Hg		108.	5.41	5.00	ppb	.000				
=										
***	Check Standard:	1	Ck1ICB/CCB	Seq:	52	14:08:18	02	Nov	12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD					
Hg		-.043	.200	ppb	.000					
=										



Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1				Seq: 1		12:28:22	02 Nov 12	HG
Hg	.000	ppb	11302					
		Bkgd 1	7403711					
*** Standard: 1 Rep: 1				Seq: 2		12:31:12	02 Nov 12	HG
Hg	.000	ppb	297					
		Bkgd 1	7386524					
*** Standard: 2 Rep: 1				Seq: 3		12:33:06	02 Nov 12	HG
Hg	.200	ppb	10156					
		Bkgd 1	7386010					
*** Standard: 3 Rep: 1				Seq: 4		12:35:07	02 Nov 12	HG
Hg	1.00	ppb	50146					
		Bkgd 1	7386181					
*** Standard: 4 Rep: 1				Seq: 5		12:36:52	02 Nov 12	HG
Hg	2.00	ppb	91491					
		Bkgd 1	7384749					
*** Standard: 5 Rep: 1				Seq: 6		12:38:43	02 Nov 12	HG
Hg	5.00	ppb	231846					
		Bkgd 1	7384530					
*** Standard: 6 Rep: 1				Seq: 7		12:40:39	02 Nov 12	HG
Hg	10.0	ppb	455345					
		Bkgd 1	7382275					
*** Check Standard: 3			Ck3AICV	Seq: 8		12:42:58	02 Nov 12	HG
Line Flag			Intensities					
Hg			235551					
		Bkgd 1	7380133					
*** Check Standard: 1			Ck1ICB/CCB	Seq: 9		12:44:43	02 Nov 12	HG
Line Flag			Intensities					
Hg			156					
		Bkgd 1	7378391					

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MB 460-134208/1-A Seq: 10 12:46:59 02 Nov 12 HG								
Hg	.004	ppb	2133					
		Bkgd 1	7381363					
*** Sample ID: LCSSRM 460 -134208/2-a@25 Seq: 11 12:48:54 02 Nov 12 HG								
Hg	6.32	ppb	289147					
		Bkgd 1	7379951					
*** Sample ID: 460-46023-D-11-J Seq: 12 12:51:51 02 Nov 12 HG								
Hg	.746	ppb	35860					
		Bkgd 1	7380363					
*** Sample ID: 460-46023-A-11-D DU Seq: 13 12:53:36 02 Nov 12 HG								
Hg	.833	ppb	39839					
		Bkgd 1	7378949					
*** Sample ID: 460-46023-D-11-K MS Seq: 14 12:55:20 02 Nov 12 HG								
Hg	1.90	ppb	88458					
		Bkgd 1	7379599					
*** Sample ID: 460-46023-D-9-D Seq: 15 12:57:06 02 Nov 12 HG								
Hg	.286	ppb	14954					
		Bkgd 1	7377433					
*** Sample ID: 460-46023-D-10-D Seq: 16 12:58:54 02 Nov 12 HG								
Hg	.215	ppb	11756					
		Bkgd 1	7378028					
*** Sample ID: 460-46023-D-12-D Seq: 17 13:00:49 02 Nov 12 HG								
Hg	.369	ppb	18753					
		Bkgd 1	7377460					
*** Check Standard: 2 Ck2ACCV Seq: 18 13:02:36 02 Nov 12 HG								
Line Flag			Intensities					
Hg			244087					
		Bkgd 1	7376213					

Line	Conc.	Units	SD/RSD	1	2	3	4	5	

*** Check Standard: 1			Ck1ICB/CCB	Seq: 19		13:04:20	02 Nov 12	HG	
Line Flag			Intensities						
Hg			-1569						
		Bkgd 1	7374567						=
									=
*** Sample ID:				Seq: 20		13:06:27	02 Nov 12	HG	
			460-46023-D-13-D						
Hg	.020	ppb	2853						
		Bkgd 1	7376321						=
									=
*** Sample ID:				Seq: 21		13:08:14	02 Nov 12	HG	
			460-46380-A-5-G						
Hg	.984	ppb	46708						
		Bkgd 1	7374681						=
									=
*** Sample ID:				Seq: 22		13:10:02	02 Nov 12	HG	
			460-46380-A-6-E						
Hg	-.008	ppb	1594						
		Bkgd 1	7374496						=
									=
*** Sample ID:				Seq: 23		13:11:48	02 Nov 12	HG	
			460-46440-A-1-E						
Hg	-.010	ppb	1504						
		Bkgd 1	7373193						=
									=
*** Sample ID:				Seq: 24		13:13:35	02 Nov 12	HG	
			460-46440-A-2-E						
Hg	.059	ppb	4635						
		Bkgd 1	7373883						=
									=
*** Sample ID:				Seq: 25		13:15:19	02 Nov 12	HG	
			460-46440-A-3-E						
Hg	.250	ppb	13324						
		Bkgd 1	7371953						=
									=
*** Sample ID:				Seq: 26		13:17:08	02 Nov 12	HG	
			460-46496-D-2-B						
Hg	-.071	ppb	-1271						
		Bkgd 1	7371030						=
									=
*** Sample ID:				Seq: 27		13:18:52	02 Nov 12	HG	
			460-46496-D-3-B						
Hg	.001	ppb	2011						
		Bkgd 1	7372320						=
									=

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Check Standard: 2 Ck2ACCV Seq: 28 13:21:00 02 Nov 12 HG									
Line	Flag		Intensities						
Hg			241863						
		Bkgd 1	7372940						=
									=
*** Check Standard: 1 Ck1ICB/CCB Seq: 29 13:22:49 02 Nov 12 HG									
Line	Flag		Intensities						
Hg			30						
		Bkgd 1	7371712						=
									=
*** Sample ID: Seq: 30 13:24:45 02 Nov 12 HG									
			460-46496-D-4-B						
Hg	.006	ppb	2253						
		Bkgd 1	7372973						=
									=
*** Sample ID: Seq: 31 13:27:14 02 Nov 12 HG									
			460-46496-D-6-B						
Hg	-.005	ppb	1730						
		Bkgd 1	7373258						=
									=
*** Sample ID: Seq: 32 13:29:22 02 Nov 12 HG									
			460-46496-D-7-B						
Hg	-.012	ppb	1407						
		Bkgd 1	7372853						=
									=
*** Sample ID: Seq: 33 13:31:08 02 Nov 12 HG									
			460-46526-B-3-A						
Hg	.217	ppb	11826						
		Bkgd 1	7374102						=
									=
*** Sample ID: Seq: 34 13:32:59 02 Nov 12 HG									
			460-46423-C-1-A						
Hg	.926	ppb	44049						
		Bkgd 1	7374665						=
									=
*** Sample ID: Seq: 35 13:34:46 02 Nov 12 HG									
			460-46423-C-2-A						
Hg	115.	ppb	5208162						
		Bkgd 1	7372856						=
									=
*** Sample ID: Seq: 36 13:37:32 02 Nov 12 HG									
			460-46423-C-4-A						
Hg	14.7	ppb	670183						
		Bkgd 1	7354353						=
									=

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 37 13:39:37 02 Nov 12 HG								
				460-46423-C-5-A				
Hg	.049	ppb	4203					
		Bkgd 1	7363112					=
=====								
*** Sample ID: sd 460-460 Seq: 38 13:41:21 02 Nov 12 HG								
				23-D-11-J@5				
Hg	.132	ppb	7943					
		Bkgd 1	7367928					=
=====								
*** Check Standard: 2 Ck2ACCV Seq: 39 13:43:20 02 Nov 12 HG								
Line Flag			Intensities					
Hg			243051					
		Bkgd 1	7367265					=
=====								
*** Check Standard: 1 Ck1ICB/CCB Seq: 40 13:45:04 02 Nov 12 HG								
Line Flag			Intensities					
Hg			-877					
		Bkgd 1	7367214					=
=====								
*** Sample ID: Seq: 41 13:46:49 02 Nov 12 HG								
				MB 460-134233/1-A				
Hg	-.017	ppb	1181					
		Bkgd 1	7369469					=
=====								
*** Sample ID: LCSSRM 460 Seq: 42 13:48:34 02 Nov 12 HG								
				-134233/2-a@25				
Hg	5.78	ppb	264587					
		Bkgd 1	7370462					=
=====								
*** Sample ID: Seq: 43 13:50:29 02 Nov 12 HG								
				460-46532-A-7-A				
Hg	.068	ppb	5033					
		Bkgd 1	7367395					=
=====								
*** Sample ID: Seq: 44 13:52:26 02 Nov 12 HG								
				460-46532-A-7-B DU				
Hg	.129	ppb	7849					
		Bkgd 1	7370338					=
=====								
*** Sample ID: Seq: 45 13:54:15 02 Nov 12 HG								
				460-46532-A-7-C MS				
Hg	1.11	ppb	52341					
		Bkgd 1	7368663					=
=====								

Line	Conc.	Units	SD/RSD	1	2	3	4	5	

*** Sample ID:				Seq: 46	13:56:01	02 Nov 12	HG		
				sd 460-46532-A-7-A@5					
Hg	-.021	ppb	1023						=
		Bkgd 1	7367987						=
*** Check Standard: 2			Ck2ACCV	Seq: 47	13:57:46	02 Nov 12	HG		
Line Flag			Intensities						
Hg			246781						
		Bkgd 1	7369320						=
*** Check Standard: 1			Ck1ICB/CCB	Seq: 48	13:59:45	02 Nov 12	HG		
Line Flag			Intensities						
Hg			707						
		Bkgd 1	7367911						=
*** Sample ID:				Seq: 49	14:02:20	02 Nov 12	HG		
				460-46423-C-2-A@50					
Hg	4.60	ppb	211305						=
		Bkgd 1	7369091						=
*** Sample ID:				Seq: 50	14:04:35	02 Nov 12	HG		
				460-46423-C-4-A@3					
Hg	5.23	ppb	239819						
		Bkgd 1	7367740						=
*** Check Standard: 2			Ck2ACCV	Seq: 51	14:06:23	02 Nov 12	HG		
Line Flag			Intensities						
Hg			247786						
		Bkgd 1	7365992						=
*** Check Standard: 1			Ck1ICB/CCB	Seq: 52	14:08:18	02 Nov 12	HG		
Line Flag			Intensities						
Hg			29						
		Bkgd 1	7366381						=
									=

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 1 13:34:40 02 Nov 12 HG

Hg .000 ppb 154

*** Standard: 2 Rep: 1 Seq: 2 13:36:39 02 Nov 12 HG

Hg .200 ppb 773

*** Standard: 3 Rep: 1 Seq: 3 13:38:28 02 Nov 12 HG

Hg 1.00 ppb 3142

*** Standard: 4 Rep: 1 Seq: 4 13:40:29 02 Nov 12 HG

Hg 2.00 ppb 6550

*** Standard: 5 Rep: 1 Seq: 5 13:42:20 02 Nov 12 HG

Hg 5.00 ppb 16616

*** Standard: 6 Rep: 1 Seq: 6 13:44:41 02 Nov 12 HG

Hg 10.0 ppb 32770

*** Check Standard: 3 Ck3AICV Seq: 7 13:48:17 02 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD

Hg 108. 5.39 5.00 ppb .000

*** Check Standard: 1 Ck1ICB/CCB Seq: 8 13:50:18 02 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD

Hg -.014 .200 ppb .000

*** Sample ID: Seq: 9 13:52:52 02 Nov 12 HG

MB 460-134226/1-A

Hg .021 ppb .000 .021

*** Sample ID: LCSSRM 460 Seq: 10 13:55:02 02 Nov 12 HG

-134226/2-A@25

Hg 5.90 ppb .000 5.90

=

*** Sample ID: Seq: 11 13:56:54 02 Nov 12 HG

460-46023-A-8-G

Hg 5.27 ppb .000 5.27

=

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 12 13:58:43 02 Nov 12 HG								
460-46023-A-8-E DU								
Hg	4.19	ppb	.000	4.19				
=								
*** Sample ID: Seq: 13 14:00:32 02 Nov 12 HG								
460-46023-A-8-F MS								
Hg	7.17	ppb	.000	7.17				
=								
*** Sample ID: Seq: 14 14:02:23 02 Nov 12 HG								
460-46479-C-1-A								
Hg	.197	ppb	.000	.197				
=								
*** Sample ID: Seq: 15 14:04:13 02 Nov 12 HG								
460-46490-A-1-J								
Hg	.164	ppb	.000	.164				
=								
*** Sample ID: Seq: 16 14:06:04 02 Nov 12 HG								
460-46490-C-2-B								
Hg	2.18	ppb	.000	2.18				
=								
*** Sample ID: Seq: 17 14:08:25 02 Nov 12 HG								
460-46490-C-3-A								
Hg	7.83	ppb	.000	7.83				
=								
*** Check Standard: 2 Ck2ACCV Seq: 18 14:10:18 02 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg	109.	5.46	5.00	ppb	.000			
=								
*** Check Standard: 1 Ck1ICB/CCB Seq: 19 14:12:21 02 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg	-.011	.200	ppb	.000				
=								
*** Sample ID: Seq: 20 14:14:32 02 Nov 12 HG								
460-46490-C-4-B								
Hg	.490	ppb	.000	.490				
=								
*** Sample ID: Seq: 21 14:16:23 02 Nov 12 HG								
460-46490-C-5-B								
Hg	6.91	ppb	.000	6.91				
=								
*** Sample ID: Seq: 22 14:18:14 02 Nov 12 HG								
460-46490-C-6-B								
Hg	3.83	ppb	.000	3.83				
=								
*** Sample ID: Seq: 23 14:20:02 02 Nov 12 HG								
460-46075-D-1-D								
Hg	.218	ppb	.000	.218				
=								

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 24 14:21:51 02 Nov 12 HG

460-46075-D-2-D

Hg .078 ppb .000 .078

=

*** Sample ID: Seq: 25 14:23:51 02 Nov 12 HG

460-46075-D-3-D

Hg .230 ppb .000 .230

=

*** Sample ID: Seq: 26 14:25:51 02 Nov 12 HG

460-46075-D-4-D

Hg -.001 ppb .000 -.001

=

*** Check Standard: 2 Ck2ACCV Seq: 27 14:27:41 02 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD

Hg 107. 5.36 5.00 ppb .000

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 28 14:29:29 02 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD

Hg -.026 .200 ppb .000

=

*** Sample ID: Seq: 29 14:31:29 02 Nov 12 HG

460-46075-D-5-D

Hg .826 ppb .000 .826

=

*** Sample ID: Seq: 30 14:33:38 02 Nov 12 HG

460-46075-D-6-D

Hg 3.26 ppb .000 3.26

=

*** Sample ID: Seq: 31 14:35:39 02 Nov 12 HG

460-46075-D-7-D

Hg 2.32 ppb .000 2.32

=

*** Sample ID: Seq: 32 14:37:28 02 Nov 12 HG

460-46075-D-8-D

Hg 3.10 ppb .000 3.10

=

*** Sample ID: Seq: 33 14:40:09 02 Nov 12 HG

460-46075-D-9-D

Hg .970 ppb .000 .970

=

*** Sample ID: Seq: 34 14:42:12 02 Nov 12 HG

460-46531-A-1-A

Hg .453 ppb .000 .453

=

*** Sample ID: Seq: 35 14:44:41 02 Nov 12 HG

460-46531-A-2-A

Hg .219 ppb .000 .219

=

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 36 14:46:33 02 Nov 12 HG

460-46023-A-8-G

Hg 1.04 ppb .000 1.04

=

*** Check Standard: 2 Ck2ACCV Seq: 37 14:48:36 02 Nov 12 HG

Line Flag %Rcv. Found True Units SD/RSD

Hg 108. 5.38 5.00 ppb .000

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 38 14:50:25 02 Nov 12 HG

Line Flag Found Range(+/-) Units SD/RSD

Hg -.009 .200 ppb .000

=

*** Sample ID: Seq: 39 15:04:44 02 Nov 12 HG

sd 460-46023-A-8-G@5

Hg 1.04 ppb .000 1.04

=

*** Check Standard: 2 Ck2ACCV Seq: 40 15:06:55 02 Nov 12 HG

Line Flag %Rcv. Found True Units SD/RSD

Hg 107. 5.35 5.00 ppb .000

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 41 15:08:53 02 Nov 12 HG

Line Flag Found Range(+/-) Units SD/RSD

Hg -.002 .200 ppb .000

=

*** Sample ID: Seq: 42 15:10:56 02 Nov 12 HG

MB 460-134229/1-A

Hg .005 ppb .000 .005

=

*** Sample ID: LCSSRM 460 Seq: 43 15:12:47 02 Nov 12 HG

-134229/2-A@25

Hg 5.80 ppb .000 5.80

=

*** Sample ID: Seq: 44 15:15:06 02 Nov 12 HG

460-46494-C-1-A

Hg .190 ppb .000 .190

=

*** Sample ID: Seq: 45 15:17:00 02 Nov 12 HG

460-46494-C-1-B DU

Hg .145 ppb .000 .145

=

*** Sample ID: Seq: 46 15:18:51 02 Nov 12 HG

460-46494-C-1-C MS

Hg 1.10 ppb .000 1.10

=

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 47 15:20:52 02 Nov 12 HG								
460-46494-C-1-D MSD								
Hg	1.06	ppb	.000	1.06				
=								
*** Sample ID: Seq: 48 15:22:43 02 Nov 12 HG								
460-46494-C-2-A								
Hg	.116	ppb	.000	.116				
=								
*** Sample ID: Seq: 49 15:24:55 02 Nov 12 HG								
460-46494-A-3-A								
Hg	.068	ppb	.000	.068				
=								
*** Sample ID: Seq: 50 15:26:50 02 Nov 12 HG								
460-46532-A-1-A								
Hg	.137	ppb	.000	.137				
=								
*** Sample ID: Seq: 51 15:29:15 02 Nov 12 HG								
460-46532-A-2-A								
Hg	.088	ppb	.000	.088				
=								
*** Check Standard: 2 Ck2ACCV Seq: 52 15:31:05 02 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg	107.	5.34	5.00	ppb	.000			
=								
*** Check Standard: 1 Ck1ICB/CCB Seq: 53 15:33:03 02 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg	-.014	.200	ppb	.000				
=								
*** Sample ID: Seq: 54 15:35:14 02 Nov 12 HG								
460-46532-A-3-A								
Hg	.103	ppb	.000	.103				
=								
*** Sample ID: Seq: 55 15:38:36 02 Nov 12 HG								
460-46532-A-4-A								
Hg	.196	ppb	.000	.196				
=								
*** Sample ID: Seq: 56 15:41:37 02 Nov 12 HG								
460-46532-A-5-A								
Hg	.137	ppb	.000	.137				
=								
*** Sample ID: Seq: 57 15:43:32 02 Nov 12 HG								
460-46532-A-6-A								
Hg	.157	ppb	.000	.157				
=								
*** Sample ID: Seq: 58 15:45:43 02 Nov 12 HG								
460-46532-A-8-A								
Hg	.235	ppb	.000	.235				
=								

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 59 15:48:13 02 Nov 12 HG

460-46532-A-9-A

Hg .177 ppb .000 .177

=

*** Sample ID: Seq: 60 15:50:13 02 Nov 12 HG

460-46532-A-10-A

Hg .257 ppb .000 .257

=

*** Sample ID: Seq: 61 15:52:05 02 Nov 12 HG

460-45921-E-3-E

Hg .058 ppb .000 .058

=

*** Sample ID: Seq: 62 15:53:55 02 Nov 12 HG

sd 460-46494-C-1-A@5

Hg .050 ppb .000 .050

=

*** Check Standard: 2 Ck2ACCV Seq: 63 15:56:04 02 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD

Hg 107. 5.34 5.00 ppb .000

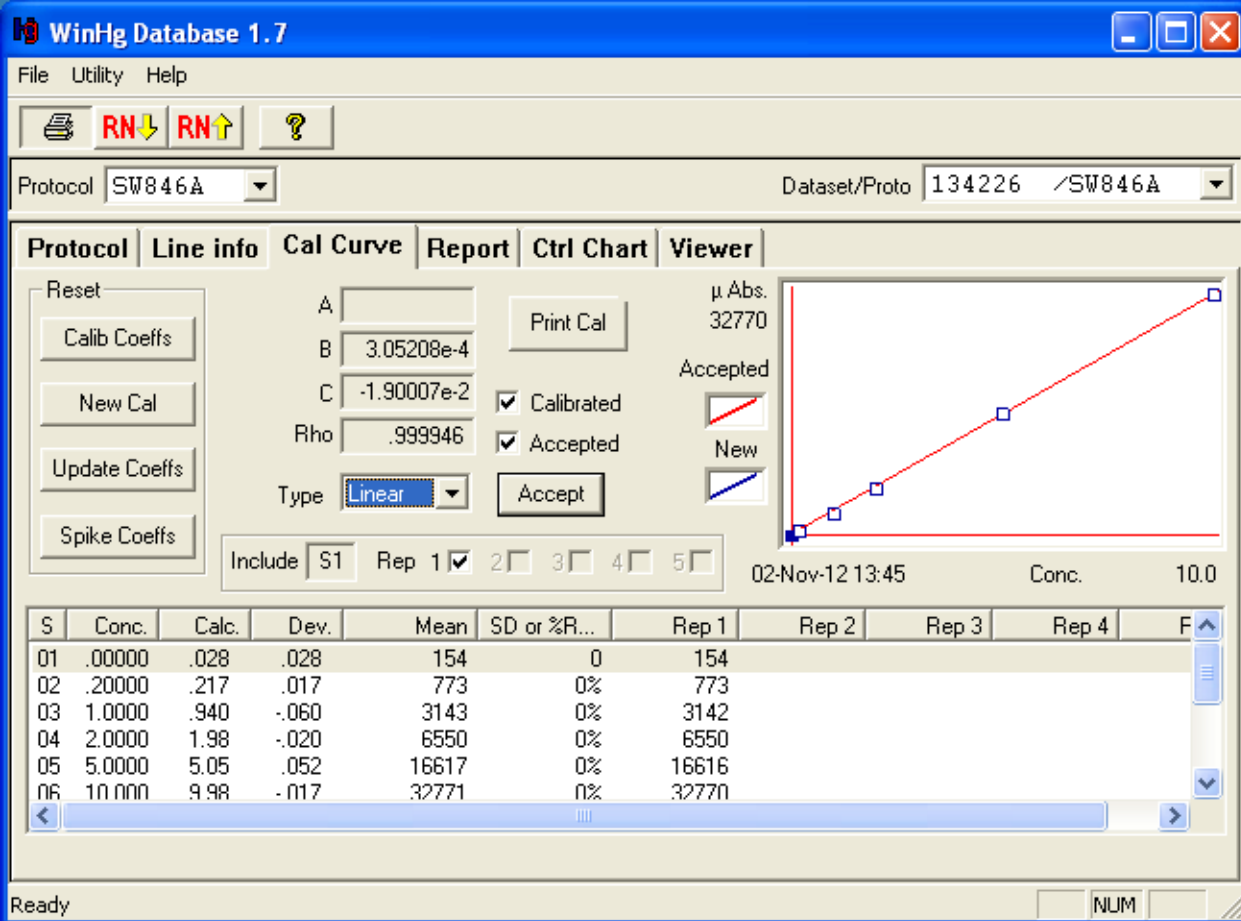
=

*** Check Standard: 1 Ck1ICB/CCB Seq: 64 15:57:56 02 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD

Hg .008 .200 ppb .000

=



POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 1 13:34:40 02 Nov 12 HG

Hg .000 ppb 154

=

*** Standard: 2 Rep: 1 Seq: 2 13:36:39 02 Nov 12 HG

Hg .200 ppb 773

=

*** Standard: 3 Rep: 1 Seq: 3 13:38:28 02 Nov 12 HG

Hg 1.00 ppb 3142

=

*** Standard: 4 Rep: 1 Seq: 4 13:40:29 02 Nov 12 HG

Hg 2.00 ppb 6550

=

*** Standard: 5 Rep: 1 Seq: 5 13:42:20 02 Nov 12 HG

Hg 5.00 ppb 16616

=

*** Standard: 6 Rep: 1 Seq: 6 13:44:41 02 Nov 12 HG

Hg 10.0 ppb 32770

=

*** Check Standard: 3 Ck3AICV Seq: 7 13:48:17 02 Nov 12 HG

Line Flag Intensities

Hg 17710

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 8 13:50:18 02 Nov 12 HG

Line Flag Intensities

Hg 17

=

*** Sample ID: Seq: 9 13:52:52 02 Nov 12 HG

MB 460-134226/1-A

Hg .021 ppb 130

=

*** Sample ID: LCSSRM 460 Seq: 10 13:55:02 02 Nov 12 HG

-134226/2-A@25

Hg 5.90 ppb 19383

=

*** Sample ID: Seq: 11 13:56:54 02 Nov 12 HG

460-46023-A-8-G

Hg 5.27 ppb 17334

=

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 12 13:58:43 02 Nov 12 HG
460-46023-A-8-E DU
Hg 4.19 ppb 13795

=

*** Sample ID: Seq: 13 14:00:32 02 Nov 12 HG
460-46023-A-8-F MS
Hg 7.17 ppb 23551

=

*** Sample ID: Seq: 14 14:02:23 02 Nov 12 HG
460-46479-C-1-A
Hg .197 ppb 709

=

*** Sample ID: Seq: 15 14:04:13 02 Nov 12 HG
460-46490-A-1-J
Hg .164 ppb 598

=

*** Sample ID: Seq: 16 14:06:04 02 Nov 12 HG
460-46490-C-2-B
Hg 2.18 ppb 7217

=

*** Sample ID: Seq: 17 14:08:25 02 Nov 12 HG
460-46490-C-3-A
Hg 7.83 ppb 25722

=

*** Check Standard: 2 Ck2ACCV Seq: 18 14:10:18 02 Nov 12 HG
Line Flag Intensities
Hg 17965

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 19 14:12:21 02 Nov 12 HG
Line Flag Intensities
Hg 25

=

*** Sample ID: Seq: 20 14:14:32 02 Nov 12 HG
460-46490-C-4-B
Hg .490 ppb 1668

=

*** Sample ID: Seq: 21 14:16:23 02 Nov 12 HG
460-46490-C-5-B
Hg 6.91 ppb 22690

=

*** Sample ID: Seq: 22 14:18:14 02 Nov 12 HG
460-46490-C-6-B
Hg 3.83 ppb 12610

=

*** Sample ID: Seq: 23 14:20:02 02 Nov 12 HG
460-46075-D-1-D
Hg .218 ppb 777

=

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 24 14:21:51 02 Nov 12 HG

460-46075-D-2-D

Hg .078 ppb 318

=

*** Sample ID: Seq: 25 14:23:51 02 Nov 12 HG

460-46075-D-3-D

Hg .230 ppb 816

=

*** Sample ID: Seq: 26 14:25:51 02 Nov 12 HG

460-46075-D-4-D

Hg -.001 ppb 60

=

*** Check Standard: 2 Ck2ACCV Seq: 27 14:27:41 02 Nov 12 HG

Line Flag Intensities

Hg 17636

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 28 14:29:29 02 Nov 12 HG

Line Flag Intensities

Hg -22

=

*** Sample ID: Seq: 29 14:31:29 02 Nov 12 HG

460-46075-D-5-D

Hg .826 ppb 2770

=

*** Sample ID: Seq: 30 14:33:38 02 Nov 12 HG

460-46075-D-6-D

Hg 3.26 ppb 10740

=

*** Sample ID: Seq: 31 14:35:39 02 Nov 12 HG

460-46075-D-7-D

Hg 2.32 ppb 7674

=

*** Sample ID: Seq: 32 14:37:28 02 Nov 12 HG

460-46075-D-8-D

Hg 3.10 ppb 10231

=

*** Sample ID: Seq: 33 14:40:09 02 Nov 12 HG

460-46075-D-9-D

Hg .970 ppb 3240

=

*** Sample ID: Seq: 34 14:42:12 02 Nov 12 HG

460-46531-A-1-A

Hg .453 ppb 1546

=

*** Sample ID: Seq: 35 14:44:41 02 Nov 12 HG

460-46531-A-2-A

Hg .219 ppb 781

=

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 36 14:46:33 02 Nov 12 HG

460-46023-A-8-G

Hg 1.04 ppb 3455

=

*** Check Standard: 2 Ck2ACCV Seq: 37 14:48:36 02 Nov 12 HG

Line Flag Intensities

Hg 17699

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 38 14:50:25 02 Nov 12 HG

Line Flag Intensities

Hg 33

=

*** Sample ID: Seq: 39 15:04:44 02 Nov 12 HG

sd 460-46023-A-8-G@5

Hg 1.04 ppb 3470

=

*** Check Standard: 2 Ck2ACCV Seq: 40 15:06:55 02 Nov 12 HG

Line Flag Intensities

Hg 17591

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 41 15:08:53 02 Nov 12 HG

Line Flag Intensities

Hg 55

=

*** Sample ID: Seq: 42 15:10:56 02 Nov 12 HG

MB 460-134229/1-A

Hg .005 ppb 79

=

*** Sample ID: LCSSRM 460 Seq: 43 15:12:47 02 Nov 12 HG

-134229/2-A@25

Hg 5.80 ppb 19078

=

*** Sample ID: Seq: 44 15:15:06 02 Nov 12 HG

460-46494-C-1-A

Hg .190 ppb 686

=

*** Sample ID: Seq: 45 15:17:00 02 Nov 12 HG

460-46494-C-1-B DU

Hg .145 ppb 538

=

*** Sample ID: Seq: 46 15:18:51 02 Nov 12 HG

460-46494-C-1-C MS

Hg 1.10 ppb 3658

=

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 47 15:20:52 02 Nov 12 HG								
460-46494-C-1-D MSD								
Hg	1.06	ppb	3530					
=								
*** Sample ID: Seq: 48 15:22:43 02 Nov 12 HG								
460-46494-C-2-A								
Hg	.116	ppb	441					
=								
*** Sample ID: Seq: 49 15:24:55 02 Nov 12 HG								
460-46494-A-3-A								
Hg	.068	ppb	285					
=								
*** Sample ID: Seq: 50 15:26:50 02 Nov 12 HG								
460-46532-A-1-A								
Hg	.137	ppb	510					
=								
*** Sample ID: Seq: 51 15:29:15 02 Nov 12 HG								
460-46532-A-2-A								
Hg	.088	ppb	352					
=								
*** Check Standard: 2 Ck2ACCV Seq: 52 15:31:05 02 Nov 12 HG								
Line	Flag	Intensities						
Hg		17574						
=								
*** Check Standard: 1 Ck1ICB/CCB Seq: 53 15:33:03 02 Nov 12 HG								
Line	Flag	Intensities						
Hg		16						
=								
*** Sample ID: Seq: 54 15:35:14 02 Nov 12 HG								
460-46532-A-3-A								
Hg	.103	ppb	399					
=								
*** Sample ID: Seq: 55 15:38:36 02 Nov 12 HG								
460-46532-A-4-A								
Hg	.196	ppb	703					
=								
*** Sample ID: Seq: 56 15:41:37 02 Nov 12 HG								
460-46532-A-5-A								
Hg	.137	ppb	511					
=								
*** Sample ID: Seq: 57 15:43:32 02 Nov 12 HG								
460-46532-A-6-A								
Hg	.157	ppb	577					
=								
*** Sample ID: Seq: 58 15:45:43 02 Nov 12 HG								
460-46532-A-8-A								
Hg	.235	ppb	833					
=								

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 59 15:48:13 02 Nov 12 HG

460-46532-A-9-A

Hg .177 ppb 641

=

*** Sample ID: Seq: 60 15:50:13 02 Nov 12 HG

460-46532-A-10-A

Hg .257 ppb 904

=

*** Sample ID: Seq: 61 15:52:05 02 Nov 12 HG

460-45921-E-3-E

Hg .058 ppb 251

=

*** Sample ID: Seq: 62 15:53:55 02 Nov 12 HG

sd 460-46494-C-1-A@5

Hg .050 ppb 225

=

*** Check Standard: 2 Ck2ACCV Seq: 63 15:56:04 02 Nov 12 HG

Line Flag Intensities

Hg 17553

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 64 15:57:56 02 Nov 12 HG

Line Flag Intensities

Hg 90

=

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Batch Number: 134309 Batch Start Date: 11/02/12 16:40 Batch Analyst: Cheema, Ali RBatch Method: 3050B Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_LCS-int 00033	ME_LCSS_77 00002	
MB 460-134309/1		3050B, 6010B		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-134309/2		3050B, 6010B		CALC NOT SET TO RUN	1.02 g	50 mL		1 g	
460-46561-F-6 DU		3050B, 6010B	T	CALC NOT SET TO RUN	1.00 g	50 mL			
460-46561-F-6 MS		3050B, 6010B	T	CALC NOT SET TO RUN	1.02 g	50 mL	2 mL		
460-46532-A-2	SO-17338-082912-MM-225	3050B, 6010B	T	CALC NOT SET TO RUN	1.02 g	50 mL			
460-46532-A-1	SO-17338-082912-MM-223	3050B, 6010B	T	CALC NOT SET TO RUN	1.00 g	50 mL			

Batch Notes	
Balance ID	35
Hydrogen peroxide lot number	K45J00
Lot # of hydrochloric acid	L02A02
Lot # of Nitric Acid	L12065
Temperature	96 uncorr 95 corr Degrees C
ID number of the thermometer	Prep-1 (CF-1)

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Batch Number: 134401 Batch Start Date: 11/05/12 08:15 Batch Analyst: Chen, MandiBatch Method: 3050B Batch End Date: 11/05/12 12:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_LCS-int 00033	ME_LCSS_77 00002	
MB 460-134401/1		3050B, 6010B		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-134401/2		3050B, 6010B		CALC NOT SET TO RUN	1.03 g	50 mL		1 g	
460-46532-A-7	SO-17338-090612-MM-247	3050B, 6010B	T	CALC NOT SET TO RUN	1.03 g	50 mL			
460-46532-A-7 DU	SO-17338-090612-MM-247	3050B, 6010B	T	CALC NOT SET TO RUN	1.02 g	50 mL			
460-46532-A-7 MS	SO-17338-090612-MM-247	3050B, 6010B	T	CALC NOT SET TO RUN	1.05 g	50 mL	2 mL		
460-46532-A-3	SO-17338-082912-MM-227	3050B, 6010B	T	CALC NOT SET TO RUN	1.03 g	50 mL			
460-46532-A-4	SO-17338-083012-MM-235	3050B, 6010B	T	CALC NOT SET TO RUN	1.03 g	50 mL			
460-46532-A-5	SO-17338-083012-MM-236	3050B, 6010B	T	CALC NOT SET TO RUN	1.07 g	50 mL			
460-46532-A-6	SO-17338-090612-MM-243	3050B, 6010B	T	CALC NOT SET TO RUN	1.10 g	50 mL			
460-46532-A-8	SO-17338-090612-MM-251	3050B, 6010B	T	CALC NOT SET TO RUN	1.07 g	50 mL			
460-46532-A-9	SO-17338-090612-MM-253	3050B, 6010B	T	CALC NOT SET TO RUN	1.08 g	50 mL			
460-46532-A-10	SO-17338-090612-MM-255	3050B, 6010B	T	CALC NOT SET TO RUN	1.06 g	50 mL			

Batch Notes	
Balance ID	35
Hydrogen peroxide lot number	K45J00
Lot # of hydrochloric acid	L02A02
Logbook ID for diluted Nitric	MPR197
Lot # of Nitric Acid	L12065
Hood ID or number	7
Hot Block ID number	2
Pipette ID	25
Temperature	95 uncorr, 94 corr Degrees C
ID number of the thermometer	ICP-2
Digestion Tube/Cup Lot #	147898264

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Batch Number: 134401 Batch Start Date: 11/05/12 08:15 Batch Analyst: Chen, Mandi

Batch Method: 3050B Batch End Date: 11/05/12 12:00

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Batch Number: 134208 Batch Start Date: 11/02/12 09:15 Batch Analyst: Sheikh, Razia BBatch Method: 7471A Batch End Date: 11/02/12 09:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DQCS-INT 00674			
ICV 460-134208/31		7471A, 7471A		0.60 g	100 mL	5 mL			
CCV 460-134208/32		7471A, 7471A		0.60 g	100 mL	5 mL			

Batch Notes	
Hydroxylamine Hydrochloride Lot	hgr01531
Balance ID	33
Sulfuric Acid Lot Number	0000020228
Lot # of hydrochloric acid	hgr01533
Lot # of Nitric Acid	103021
Hood ID or number	1
Potassium Permanganate Lot Number	hgr01538
NaCL Lot #	hgr01531
Oven, Bath or Block Temperature 1	121c
Pipette ID	3
Stannous Chloride Lot Number	hgr01532

Basis	Basis Description

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Batch Number: 134226 Batch Start Date: 11/02/12 10:20 Batch Analyst: Patel, Purva HBatch Method: 7471A Batch End Date: 11/02/12 10:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DQCS-INT 00674			
ICV 460-134226/31		7471A, 7471A		0.60 g	100 mL	5 mL			
CCV 460-134226/32		7471A, 7471A		0.60 g	100 mL	5 mL			

Batch Notes	
Hydroxylamine Hydrochloride Lot	hgr01507
Balance ID	33
Sulfuric Acid Lot Number	k53043
Lot # of hydrochloric acid	hgr01509
Lot # of Nitric Acid	13021
Hood ID or number	1
Potassium Permanganate Lot Number	hgr01511
NaCL Lot #	hgr01507
Oven, Bath or Block Temperature 1	121c
Pipette ID	3
Stannous Chloride Lot Number	hgr01512

Basis	Basis Description

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Batch Number: 134229 Batch Start Date: 11/02/12 10:32 Batch Analyst: Patel, Purva H

Batch Method: 7471A Batch End Date: 11/02/12 14:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 00957	ME_LCSS_77 00002		
MB 460-134229/1		7471A, 7471A		0.60 g	100 mL				
LCSSRM 460-134229/2		7471A, 7471A		0.60 g	100 mL		0.6 g		
460-46494-C-1 DU		7471A, 7471A	T	0.60 g	100 mL				
460-46494-C-1 MS		7471A, 7471A	T	0.60 g	100 mL	1 mL			
460-46494-C-1 MSD		7471A, 7471A	T	0.60 g	100 mL	1 mL			
460-46532-A-1	SO-17338-082912-MM-223	7471A, 7471A	T	0.60 g	100 mL				
460-46532-A-2	SO-17338-082912-MM-225	7471A, 7471A	T	0.62 g	100 mL				
460-46532-A-3	SO-17338-082912-MM-227	7471A, 7471A	T	0.62 g	100 mL				
460-46532-A-4	SO-17338-083012-MM-235	7471A, 7471A	T	0.60 g	100 mL				
460-46532-A-5	SO-17338-083012-MM-236	7471A, 7471A	T	0.62 g	100 mL				
460-46532-A-6	SO-17338-090612-MM-243	7471A, 7471A	T	0.62 g	100 mL				
460-46532-A-8	SO-17338-090612-MM-251	7471A, 7471A	T	0.61 g	100 mL				
460-46532-A-9	SO-17338-090612-MM-253	7471A, 7471A	T	0.61 g	100 mL				
460-46532-A-10	SO-17338-090612-MM-255	7471A, 7471A	T	0.61 g	100 mL				

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Batch Number: 134229 Batch Start Date: 11/02/12 10:32 Batch Analyst: Patel, Purva HBatch Method: 7471A Batch End Date: 11/02/12 14:55

Batch Notes	
Hydroxylamine Hydrochloride Lot	hgr01507
Balance ID	33
Sulfuric Acid Lot Number	k53043
Lot # of hydrochloric acid	hgr01509
Lot # of Nitric Acid	13021
Hood ID or number	1
Potassium Permanganate Lot Number	hgr01511
NaCL Lot #	hgr01507
Oven, Bath or Block Temperature 1	121c
Pipette ID	3
Stannous Chloride Lot Number	hgr01512

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Batch Number: 134233 Batch Start Date: 11/02/12 10:30 Batch Analyst: Sheikh, Razia BBatch Method: 7471A Batch End Date: 11/02/12 10:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 00957	ME_LCSS_77 00002		
MB 460-134233/1		7471A, 7471A		0.60 g	100 mL				
LCSSRM 460-134233/2		7471A, 7471A		0.60 g	100 mL		0.6 g		
460-46532-A-7	SO-17338-090612-MM-247	7471A, 7471A	T	0.60 g	100 mL				
460-46532-A-7 DU	SO-17338-090612-MM-247	7471A, 7471A	T	0.60 g	100 mL				
460-46532-A-7 MS	SO-17338-090612-MM-247	7471A, 7471A	T	0.60 g	100 mL	1 mL			

Batch Notes	
Hydroxylamine Hydrochloride Lot	hgr01531
Balance ID	33
Sulfuric Acid Lot Number	0000020228
Lot # of hydrochloric acid	hgr01533
Lot # of Nitric Acid	103021
Hood ID or number	1
Potassium Permanganate Lot Number	hgr01538
NaCL Lot #	hgr01531
Oven, Bath or Block Temperature 1	121c
Pipette ID	3
Stannous Chloride Lot Number	hgr01532

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-46532-1
SDG No.: _____
Project: Former GM Wilmington

Client Sample ID	Lab Sample ID
<u>SO-17338-082912-MM-223</u>	<u>460-46532-1</u>
<u>SO-17338-082912-MM-225</u>	<u>460-46532-2</u>
<u>SO-17338-082912-MM-227</u>	<u>460-46532-3</u>
<u>SO-17338-083012-MM-235</u>	<u>460-46532-4</u>
<u>SO-17338-083012-MM-236</u>	<u>460-46532-5</u>
<u>SO-17338-090612-MM-243</u>	<u>460-46532-6</u>
<u>SO-17338-090612-MM-247</u>	<u>460-46532-7</u>
<u>SO-17338-090612-MM-251</u>	<u>460-46532-8</u>
<u>SO-17338-090612-MM-253</u>	<u>460-46532-9</u>
<u>SO-17338-090612-MM-255</u>	<u>460-46532-10</u>

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-46532-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture RL Date: 02/15/2007 17:07

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		1	
Percent Solids		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-46532-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture XRL Date: 01/01/2007 16:49

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		1	
Percent Solids		1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/01/2012 12:50 End Date: 11/01/2012 14:10

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			12:50																		
ZZZZZZ			13:22																		
ZZZZZZ			13:22																		
460-46532-1	1	T	14:10	X	X																
460-46532-2	1	T	14:10	X	X																
460-46532-3	1	T	14:10	X	X																
460-46532-4	1	T	14:10	X	X																
460-46532-5	1	T	14:10	X	X																
460-46532-6	1	T	14:10	X	X																
460-46532-8	1	T	14:10	X	X																
460-46532-9	1	T	14:10	X	X																
460-46532-9 DU	1	T	14:10	X	X																

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/01/2012 14:13 End Date: 11/01/2012 16:21

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
460-46532-7	1	T	14:13	X	X																
460-46532-7 DU	1	T	14:13	X	X																
460-46532-7 MS	1	T	14:13	X	X																
460-46532-10	1	T	14:13	X	X																
460-46532-10 DU	1	T	14:13	X	X																
ZZZZZZ			14:24																		
ZZZZZZ			14:24																		
ZZZZZZ			14:24																		
ZZZZZZ			14:24																		
ZZZZZZ			14:24																		
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ZZZZZZ			14:24																		
ZZZZZZ			14:24																		
ZZZZZZ			16:21																		
ZZZZZZ			16:21																		
ZZZZZZ			16:21																		

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Batch Number: 134110 Batch Start Date: 11/01/12 12:50 Batch Analyst: Armbruster, ChrisBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-46532-A-1	SO-17338-082912-MM-223	Moisture	T	13	1.03 g	6.98 g	5.68 g		
460-46532-A-2	SO-17338-082912-MM-225	Moisture	T	14	0.98 g	6.37 g	5.73 g		
460-46532-A-3	SO-17338-082912-MM-227	Moisture	T	15	0.97 g	6.19 g	5.33 g		
460-46532-A-4	SO-17338-083012-MM-235	Moisture	T	16	1.02 g	6.47 g	5.45 g		
460-46532-A-5	SO-17338-083012-MM-236	Moisture	T	17	1.00 g	6.32 g	5.30 g		
460-46532-A-6	SO-17338-090612-MM-243	Moisture	T	18	1.02 g	6.43 g	5.38 g		
460-46532-A-8	SO-17338-090612-MM-251	Moisture	T	19	0.98 g	6.18 g	5.38 g		
460-46532-A-9	SO-17338-090612-MM-253	Moisture	T	20	0.99 g	6.01 g	4.79 g		
460-46532-A-9 DU	SO-17338-090612-MM-253	Moisture	T	21	1.01 g	6.08 g	4.71 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	11/1/12
Oven Temp when samples are put in oven	Oven-1 105 Degrees C
Time samples were place in the oven	14:12
Date samples were removed from oven	11/2/12
Oven Temp when samples removed from oven	Oven-1 105 Degrees C
Time Samples were removed from oven	9:48
Oven ID	1
ID number of the thermometer	C4251
Uncorrected In Temperature	Oven-1 105 Celsius
Uncorrected Out Temperature	Oven-1 105 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46532-1

SDG No.: _____

Batch Number: 134130 Batch Start Date: 11/01/12 14:13 Batch Analyst: Armbruster, ChrisBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-46532-A-7	SO-17338-090612-MM-247	Moisture	T	22	0.99 g	6.71 g	5.46 g		
460-46532-A-7 DU	SO-17338-090612-MM-247	Moisture	T	23	0.99 g	6.71 g	5.46 g		
460-46532-A-7 MS	SO-17338-090612-MM-247	Moisture	T	24	0.99 g	6.71 g	5.46 g		
460-46532-A-10	SO-17338-090612-MM-255	Moisture	T	25	0.99 g	6.28 g	5.84 g		
460-46532-A-10 DU	SO-17338-090612-MM-255	Moisture	T	26	1.00 g	6.74 g	6.26 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	11/1/12
Oven Temp when samples are put in oven	Oven-1 105 Degrees C
Time samples were place in the oven	16:24
Date samples were removed from oven	11/2/12
Oven Temp when samples removed from oven	Oven-1 105 Degrees C
Time Samples were removed from oven	9:48
Oven ID	1
ID number of the thermometer	C4251
Uncorrected In Temperature	Oven-1 105 Celsius
Uncorrected Out Temperature	Oven-1 105 Celsius

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents



CHAIN OF CUSTODY RECORD

COC NO. 29450

410 Avenue Club

Phone: 610-271-8000

For:

460-46527 (See Reverse Side for Instructions)

Project No/ Phase/Task Code:

017338 TOY

Project Name:

FOR MR CUN

Project Location:

ILLINOIS DE

Chemistry Contact:

5. Scaccia

Sampler(s):

Mr. MYLLET

Project No/ Phase/Task Code: 017338 704			Laboratory Name: TEST AMERICA			Lab Location: EDISON NJ			SSOW ID:		
Project Name: KOLMER CWM			Lab Contact: JIMIE CAPACI			Lab Quote No:			Cooler No:		
Project Location: LILLINGTON DE			SAMPLE TYPE			CONTAINER QUANTITY & PRESERVATION			ANALYSIS REQUESTED (See Back of COC for Definitions)		
Chemistry Contact: S. SACCCHI			Matrix Code (see back of COC)			Grab (G) or Comp (C)			Unpreserved		
Sample(s): M. MYLET			Hydrochloric Acid (HCl)			Nitric Acid (HNO ₃)			Sulfuric Acid (H ₂ SO ₄)		
DATE (mm/dd/yy)			TIME (hr:mm)			Sodium Hydroxide (NaOH)			Methanol/Water (Soil VOC)		
MS/MSD Request			EnCores 3x5-g, 1x25-g			Other:			Total Containers/Sample		
SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)			DATE			TIME			TAL METALS		
1 SO-17338-082212-MM-208			8/22/12			1420			X		
2 SO-17338-082312-MM-210			8/23/12			0950			X		
3 SO-17338-082312-MM-218			8/23/12			1400			X		
4 SO-17338-082312-MM-217			8/23/12			1300			X		
5 SO-17338-082212-MM-223			8/22/12			1120			X		
6 SO-17338-082212-MM-225			8/24/12			1205			X		
7 SO-17338-082412-MM-227			8/24/12			1415			X		
8 SO-17338-083012-MM-235			8/30/12			1216			X		
9 SO-17338-083012-MM-236			8/30/12			1225			X		
10 SO-17338-090612-MM-243			9/6/12			1130			X		
11 SO-17338-090612-MM-247			9/6/12			1400			X		
12 SO-17338-090612-MM-251			9/6/12			1200			X		
13 SO-17338-090612-MM-253			9/6/12			1330			X		
14 SO-17338-091012-MM-255			9/10/12			1440			X		
1											

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11/06/2012

Distribution:

WHITE - Fully Executed Copy (CRA)

YELLOW – Receiving Laboratory Copy

PINK – Shipper

GOLDENROD — Sampling Crew

CRA Form: COC-108 (20110804)

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY

Page 1 of 1

46532

[illegible]

Date: 11/1/12

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46532-1

Login Number: 46532

List Source: TestAmerica Edison

List Number: 1

Creator: Lysy, Susan

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	383566
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4°C IR#4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.