

ANALYTICAL REPORT

Job Number: 460-43267-1

Job Description: 17338-TO4-2012, RACER, GM Wilmington

For:
Conestoga-Rovers & Associates, Inc.
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, NY 14304
Attention: Ms. Sue Scrocchi

Jamie Capaci

Approved for release.
Jamie Capaci
Project Manager I
12/18/2012 11:35 AM

Designee for
Kristyn L Morrison
Project Manager II
kristyn.morrison@testamericainc.com
12/18/2012
Revision: 1

cc: Chris Barton

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TestAmerica Laboratories, Inc.

TestAmerica Edison 777 New Durham Road, Edison, NJ 08817
Tel (732) 549-3900 Fax (732) 549-3679 www.testamericainc.com



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CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: GM Wilmington

Report Number: 460-43267-1 (Revision)

This report was revised on 12-18-12 to include the raw metals data that was excluded in the original report.

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 08/06/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.7 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 460-43267-1 through 460-43267-3 were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 08/10/2012.

The matrix spike (MS) recovery for batch 123402 was outside control limits for Antimony. The associated laboratory control sample (LCS) recovery met acceptance criteria. 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.

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 460-43267-1 through 460-43267-3(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 460-43267-1 through 460-43267-3 were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared and analyzed on 08/09/2012.

No difficulties were encountered during the Hg analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples 460-43267-1 through 460-43267-3 were analyzed for percent solids in accordance with D2974-87 Modified by ASTM. The samples were analyzed on 08/08/2012 and 08/09/2012.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-43267-1	SO-17338-080612-MM-200	Solid	08/06/2012 0000	08/06/2012 1900
460-43267-2	SO-17338-080612-MM-201	Solid	08/06/2012 0000	08/06/2012 1900
460-43267-3	SO-17338-080612-MM-202	Solid	08/06/2012 0000	08/06/2012 1900

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-43267-1	SO-17338-080612-MM-200					
Aluminum		10200		43.4	mg/Kg	6010B
Antimony		13.3		2.2	mg/Kg	6010B
Arsenic		6.6		1.1	mg/Kg	6010B
Barium		1840		43.4	mg/Kg	6010B
Beryllium		0.55		0.43	mg/Kg	6010B
Cadmium		8.2		1.1	mg/Kg	6010B
Calcium		3390		1080	mg/Kg	6010B
Chromium		44.3		2.2	mg/Kg	6010B
Cobalt		8.1	J	10.8	mg/Kg	6010B
Copper		49.7		5.4	mg/Kg	6010B
Iron		21300		32.5	mg/Kg	6010B
Lead		1150		1.1	mg/Kg	6010B
Magnesium		2130		1080	mg/Kg	6010B
Manganese		374		3.3	mg/Kg	6010B
Nickel		17.6		8.7	mg/Kg	6010B
Potassium		565	J	1080	mg/Kg	6010B
Vanadium		40.3		10.8	mg/Kg	6010B
Zinc		665		6.5	mg/Kg	6010B
Mercury		0.099		0.038	mg/Kg	7471A
Percent Moisture		17.6		1.0	%	Moisture
Percent Solids		82.4		1.0	%	Moisture
460-43267-2	SO-17338-080612-MM-201					
Aluminum		9140		42.4	mg/Kg	6010B
Arsenic		3.8		1.1	mg/Kg	6010B
Barium		388		42.4	mg/Kg	6010B
Beryllium		0.42		0.42	mg/Kg	6010B
Cadmium		3.8		1.1	mg/Kg	6010B
Calcium		1440		1060	mg/Kg	6010B
Chromium		25.7		2.1	mg/Kg	6010B
Cobalt		5.2	J	10.6	mg/Kg	6010B
Copper		17.4		5.3	mg/Kg	6010B
Iron		11500		31.8	mg/Kg	6010B
Lead		151		1.1	mg/Kg	6010B
Magnesium		1440		1060	mg/Kg	6010B
Manganese		52.5		3.2	mg/Kg	6010B
Nickel		10.4		8.5	mg/Kg	6010B
Potassium		545	J	1060	mg/Kg	6010B
Vanadium		25.2		10.6	mg/Kg	6010B
Zinc		164		6.4	mg/Kg	6010B
Mercury		0.051		0.038	mg/Kg	7471A
Percent Moisture		15.8		1.0	%	Moisture
Percent Solids		84.2		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-43267-3	SO-17338-080612-MM-202					
Aluminum		10100		44.7	mg/Kg	6010B
Antimony		37.2		2.2	mg/Kg	6010B
Arsenic		12.2		1.1	mg/Kg	6010B
Barium		3190		44.7	mg/Kg	6010B
Beryllium		0.39	J	0.45	mg/Kg	6010B
Cadmium		10.1		1.1	mg/Kg	6010B
Calcium		17700		1120	mg/Kg	6010B
Chromium		42.0		2.2	mg/Kg	6010B
Cobalt		6.4	J	11.2	mg/Kg	6010B
Copper		52.3		5.6	mg/Kg	6010B
Iron		31800		33.5	mg/Kg	6010B
Lead		2210		1.1	mg/Kg	6010B
Magnesium		5360		1120	mg/Kg	6010B
Manganese		293		3.3	mg/Kg	6010B
Nickel		16.7		8.9	mg/Kg	6010B
Potassium		463	J	1120	mg/Kg	6010B
Sodium		193	J	1120	mg/Kg	6010B
Vanadium		26.9		11.2	mg/Kg	6010B
Zinc		1020		6.7	mg/Kg	6010B
Mercury		0.045		0.037	mg/Kg	7471A
Percent Moisture		13.9		1.0	%	Moisture
Percent Solids		86.1		1.0	%	Moisture

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

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: 460-43267-1

Method	Analyst	Analyst ID
SW846 6010B	Chang, Churn Der	CDC
SW846 7471A	Staib, Thomas	TS
EPA Moisture	Dave, Virendra	VD

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

Client Sample ID: SO-17338-080612-MM-200

Lab Sample ID: 460-43267-1

Date Sampled: 08/06/2012 0000

Client Matrix: Solid

% Moisture: 17.6

Date Received: 08/06/2012 1900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-123507	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-123402	Lab File ID:	08102012.asc
Dilution:	4.0			Initial Weight/Volume:	1.12 g
Analysis Date:	08/10/2012 1534			Final Weight/Volume:	50 mL
Prep Date:	08/10/2012 0513				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10200		19.7	43.4
Antimony		13.3		1.3	2.2
Arsenic		6.6		1.0	1.1
Barium		1840		1.2	43.4
Beryllium		0.55		0.16	0.43
Cadmium		8.2		0.16	1.1
Calcium		3390		76.7	1080
Chromium		44.3		0.93	2.2
Cobalt		8.1	J	0.92	10.8
Copper		49.7		2.1	5.4
Iron		21300		13.1	32.5
Lead		1150		0.93	1.1
Magnesium		2130		78.0	1080
Manganese		374		0.95	3.3
Nickel		17.6		0.95	8.7
Potassium		565	J	116	1080
Selenium		1.4	U	1.4	2.2
Silver		0.22	U	0.22	2.2
Sodium		171	U	171	1080
Thallium		1.2	U	1.2	2.2
Vanadium		40.3		0.83	10.8
Zinc		665		1.2	6.5

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-123377	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-123348	Lab File ID:	123339.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	08/09/2012 2100			Final Weight/Volume:	100 mL
Prep Date:	08/09/2012 1659				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.099		0.025	0.038

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

Client Sample ID: SO-17338-080612-MM-201

Lab Sample ID: 460-43267-2

Date Sampled: 08/06/2012 0000

Client Matrix: Solid

% Moisture: 15.8

Date Received: 08/06/2012 1900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-123507	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-123402	Lab File ID:	08102012.asc
Dilution:	4.0			Initial Weight/Volume:	1.12 g
Analysis Date:	08/10/2012 1537			Final Weight/Volume:	50 mL
Prep Date:	08/10/2012 0513				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9140		19.3	42.4
Antimony		1.3	U	1.3	2.1
Arsenic		3.8		1.0	1.1
Barium		388		1.2	42.4
Beryllium		0.42		0.15	0.42
Cadmium		3.8		0.16	1.1
Calcium		1440		75.1	1060
Chromium		25.7		0.91	2.1
Cobalt		5.2	J	0.90	10.6
Copper		17.4		2.1	5.3
Iron		11500		12.8	31.8
Lead		151		0.91	1.1
Magnesium		1440		76.4	1060
Manganese		52.5		0.93	3.2
Nickel		10.4		0.93	8.5
Potassium		545	J	113	1060
Selenium		1.4	U	1.4	2.1
Silver		0.21	U	0.21	2.1
Sodium		168	U	168	1060
Thallium		1.2	U	1.2	2.1
Vanadium		25.2		0.81	10.6
Zinc		164		1.1	6.4

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-123377	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-123348	Lab File ID:	123339.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	08/09/2012 2102			Final Weight/Volume:	100 mL
Prep Date:	08/09/2012 1659				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.051		0.025	0.038

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

Client Sample ID: SO-17338-080612-MM-202

Lab Sample ID: 460-43267-3

Date Sampled: 08/06/2012 0000

Client Matrix: Solid

% Moisture: 13.9

Date Received: 08/06/2012 1900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-123507	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-123402	Lab File ID:	08102012.asc
Dilution:	4.0			Initial Weight/Volume:	1.04 g
Analysis Date:	08/10/2012 1541			Final Weight/Volume:	50 mL
Prep Date:	08/10/2012 0513				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10100		20.3	44.7
Antimony		37.2		1.4	2.2
Arsenic		12.2		1.0	1.1
Barium		3190		1.3	44.7
Beryllium		0.39	J	0.16	0.45
Cadmium		10.1		0.17	1.1
Calcium		17700		79.0	1120
Chromium		42.0		0.96	2.2
Cobalt		6.4	J	0.95	11.2
Copper		52.3		2.2	5.6
Iron		31800		13.5	33.5
Lead		2210		0.96	1.1
Magnesium		5360		80.4	1120
Manganese		293		0.98	3.3
Nickel		16.7		0.98	8.9
Potassium		463	J	119	1120
Selenium		1.5	U	1.5	2.2
Silver		0.22	U	0.22	2.2
Sodium		193	J	176	1120
Thallium		1.3	U	1.3	2.2
Vanadium		26.9		0.86	11.2
Zinc		1020		1.2	6.7

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-123377	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-123348	Lab File ID:	123339.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	08/09/2012 2104			Final Weight/Volume:	100 mL
Prep Date:	08/09/2012 1659				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.045		0.025	0.037

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

General Chemistry**Client Sample ID:** SO-17338-080612-MM-200

Lab Sample ID: 460-43267-1

Date Sampled: 08/06/2012 0000

Client Matrix: Solid

Date Received: 08/06/2012 1900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-123195		Analysis Date: 08/08/2012 2357				DryWt Corrected: N
Percent Solids	82.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-123195		Analysis Date: 08/08/2012 2357				DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

General Chemistry

Client Sample ID: SO-17338-080612-MM-201

Lab Sample ID: 460-43267-2

Date Sampled: 08/06/2012 0000

Client Matrix: Solid

Date Received: 08/06/2012 1900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-123195		Analysis Date: 08/08/2012 2357				DryWt Corrected: N
Percent Solids	84.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-123195		Analysis Date: 08/08/2012 2357				DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

General Chemistry**Client Sample ID:** SO-17338-080612-MM-202

Lab Sample ID: 460-43267-3

Date Sampled: 08/06/2012 0000

Client Matrix: Solid

Date Received: 08/06/2012 1900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-123197	Analysis Date: 08/09/2012 0027					DryWt Corrected: N
Percent Solids	86.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-123197	Analysis Date: 08/09/2012 0027					DryWt Corrected: N

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

Method Blank - Batch: 460-123402

Method: 6010B

Preparation: 3050B

Lab Sample ID: MB 460-123402/1-A ^2
 Client Matrix: Solid
 Dilution: 2.0
 Analysis Date: 08/10/2012 1308
 Prep Date: 08/10/2012 0513
 Leach Date: N/A

Analysis Batch: 460-123507
 Prep Batch: 460-123402
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: ICP4
 Lab File ID: 08102012.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: 460-43267-1

LCS-Certified Reference Material - Batch: 460-123402

Method: 6010B

Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	460-123507	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-123402	Lab File ID:	08102012.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	08/10/2012 1257	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/10/2012 0513				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	9130	6165	67.5	43.3 - 156.8	
Antimony	118	206.9	175.8	20.8 - 252.5	
Arsenic	165	156.9	95.3	70.8 - 129.8	
Barium	209	194.0	92.9	73.2 - 126.8	
Beryllium	108	106.1	98.4	75.1 - 125.5	
Cadmium	101	108.4	107.3	73.0 - 126.2	
Calcium	6740	6953	103.2	74.4 - 125.8	
Chromium	117	120.5	103.2	69.7 - 129.4	
Cobalt	128	139.9	108.9	74.4 - 125.2	
Copper	116	118.5	102.5	74.6 - 124.6	
Iron	12700	11320	88.8	32.2 - 167.7	
Lead	75.4	78.37	104.0	68.7 - 131.3	
Magnesium	2730	2427	89.1	65.1 - 135.3	
Manganese	331	350.0	105.6	75.4 - 125.1	
Nickel	68.6	76.57	111.6	70.9 - 129.0	
Potassium	3070	2580	84.1	62.9 - 136.7	
Selenium	124	119.3	96.6	66.7 - 134.1	
Silver	41.5	39.29	94.8	66.2 - 134.0	
Sodium	343	312.4	91.0	42.9 - 156.9	J
Thallium	204	219.4	107.6	69.2 - 130.8	
Vanadium	85.4	83.02	97.2	63.1 - 136.6	
Zinc	271	278.4	102.9	71.4 - 128.6	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

Matrix Spike - Batch: 460-123402

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-43211-A-4-I MS ^4
Client Matrix: Solid
Dilution: 4.0
Analysis Date: 08/10/2012 1247
Prep Date: 08/10/2012 0513
Leach Date: N/A

Analysis Batch: 460-123507
Prep Batch: 460-123402
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: 08102012.asc
Initial Weight/Volume: 1.06 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	7200	195	11700	2306	75 - 125	4
Antimony	1.2 U	48.7	30.90	63	75 - 125	F
Arsenic	1.3	195	187.0	95	75 - 125	
Barium	21.6 J	195	221.1	102	75 - 125	
Beryllium	0.35 J	4.87	5.25	101	75 - 125	
Cadmium	0.14 U	4.87	4.80	98	75 - 125	
Calcium	144 J	1950	2119	101	75 - 125	
Chromium	6.0	19.5	27.34	110	75 - 125	
Cobalt	3.2 J	48.7	52.35	101	75 - 125	
Copper	1.8 U	24.4	24.33	100	75 - 125	
Iron	9400	97.5	9888	503	75 - 125	4
Lead	4.5	48.7	54.56	103	75 - 125	
Magnesium	213 J	1950	2194	102	75 - 125	
Manganese	155	48.7	203.0	98	75 - 125	
Nickel	3.6 J	48.7	54.56	104	75 - 125	
Potassium	117 J	1950	2047	99	75 - 125	
Selenium	1.3 U	195	183.3	94	75 - 125	
Silver	0.19 U	4.87	4.38	90	75 - 125	
Sodium	150 U	1950	1940	99	75 - 125	
Thallium	1.1 U	195	204.0	105	75 - 125	
Vanadium	11.8	48.7	60.70	100	75 - 125	
Zinc	8.5	48.7	58.67	103	75 - 125	

Post Digestion Spike - Batch: 460-123402

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-43211-A-4-G PDS
Client Matrix: Solid
Dilution: 4.0
Analysis Date: 08/10/2012 1250
Prep Date: 08/10/2012 0513
Leach Date: N/A

Analysis Batch: 460-123507
Prep Batch: 460-123402
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: 08102012.asc
Initial Weight/Volume: 1.09 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	7200	379	7537	NC	75 - 125	
Antimony	1.2 U	94.8	86.88	92	75 - 125	
Arsenic	1.3	379	356.9	94	75 - 125	
Barium	21.6 J	379	393.3	98	75 - 125	
Beryllium	0.35 J	9.48	9.38	95	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

Post Digestion Spike - Batch: 460-123402

Method: 6010B

Preparation: 3050B

Lab Sample ID:	460-43211-A-4-G PDS	Analysis Batch:	460-123507	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-123402	Lab File ID:	08102012.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.09 g
Analysis Date:	08/10/2012 1250	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/10/2012 0513				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.14	U	9.48	9.17	97	75 - 125	
Calcium	144	J	3790	3878	98	75 - 125	
Chromium	6.0		37.9	43.37	99	75 - 125	
Cobalt	3.2	J	94.8	95.85	98	75 - 125	
Copper	1.8	U	47.4	44.88	95	75 - 125	
Iron	9400		190	9519	NC	75 - 125	
Lead	4.5		94.8	98.07	99	75 - 125	
Magnesium	213	J	3790	3845	96	75 - 125	
Manganese	155		94.8	249.0	99	75 - 125	
Nickel	3.6	J	94.8	97.29	99	75 - 125	
Potassium	117	J	3790	3701	95	75 - 125	
Selenium	1.3	U	379	348.7	92	75 - 125	
Silver	0.19	U	9.48	8.62	91	75 - 125	
Sodium	150	U	3790	3652	96	75 - 125	
Thallium	1.1	U	379	382.8	101	75 - 125	
Vanadium	11.8		94.8	102.0	95	75 - 125	
Zinc	8.5		94.8	100.0	96	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

Duplicate - Batch: 460-123402

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-43211-A-4-H DU ^4
Client Matrix: Solid
Dilution: 4.0
Analysis Date: 08/10/2012 1236
Prep Date: 08/10/2012 0513
Leach Date: N/A

Analysis Batch: 460-123507
Prep Batch: 460-123402
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: 08102012.asc
Initial Weight/Volume: 1.07 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	7200		7502	4	20	
Antimony	1.2	U	1.2	NC	20	U
Arsenic	1.3		1.48	11	20	
Barium	21.6	J	21.98	2	20	J
Beryllium	0.35	J	0.372	5	20	J
Cadmium	0.14	U	0.14	NC	20	U
Calcium	144	J	140.3	2	20	J
Chromium	6.0		6.42	8	20	
Cobalt	3.2	J	3.55	11	20	J
Copper	1.8	U	1.9	NC	20	U
Iron	9400		9602	2	20	
Lead	4.5		5.02	10	20	
Magnesium	213	J	220.6	4	20	J
Manganese	155		161.8	4	20	
Nickel	3.6	J	3.64	0.1	20	J
Potassium	117	J	121.4	3	20	J
Selenium	1.3	U	1.3	NC	20	U
Silver	0.19	U	0.19	NC	20	U
Sodium	150	U	153	NC	20	U
Thallium	1.1	U	1.1	NC	20	U
Vanadium	11.8		11.97	1	20	
Zinc	8.5		8.73	2	20	

Serial Dilution - Batch: 460-123402

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-43211-A-4-G SD ^20
Client Matrix: Solid
Dilution: 20
Analysis Date: 08/10/2012 1243
Prep Date: 08/10/2012 0513
Leach Date: N/A

Analysis Batch: 460-123507
Prep Batch: 460-123402
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: 08102012.asc
Initial Weight/Volume: 1.09 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	7200		7209	0.08	10	
Antimony	1.2	U	5.9	NC	10	U
Arsenic	1.3		4.5	NC	10	U
Barium	21.6	J	21.61	NC	10	J
Beryllium	0.35	J	0.68	NC	10	U
Cadmium	0.14	U	0.70	NC	10	U
Calcium	144	J	336	NC	10	U

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

Serial Dilution - Batch: 460-123402

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-43211-A-4-G SD ^20
Client Matrix: Solid
Dilution: 20
Analysis Date: 08/10/2012 1243
Prep Date: 08/10/2012 0513
Leach Date: N/A

Analysis Batch: 460-123507
Prep Batch: 460-123402
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: 08102012.asc
Initial Weight/Volume: 1.09 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Chromium	6.0		5.32	NC	10	J
Cobalt	3.2	J	4.0	NC	10	U
Copper	1.8	U	9.2	NC	10	U
Iron	9400		9466	0.73	10	
Lead	4.5		6.01	NC	10	
Magnesium	213	J	341	NC	10	U
Manganese	155		156.9	0.96	10	
Nickel	3.6	J	4.2	NC	10	U
Potassium	117	J	507	NC	10	U
Selenium	1.3	U	6.3	NC	10	U
Silver	0.19	U	0.95	NC	10	U
Sodium	150	U	749	NC	10	U
Thallium	1.1	U	5.4	NC	10	U
Vanadium	11.8		11.50	NC	10	J
Zinc	8.5		8.65	NC	10	J

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

Method Blank - Batch: 460-123348

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 460-123348/10-A	Analysis Batch:	460-123377	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-123348	Lab File ID:	123339.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/09/2012 2023	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/09/2012 1659				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.022	U	0.022	0.033

LCS-Certified Reference Material - Batch: 460-123348

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCSSRM	Analysis Batch:	460-123377	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-123348	Lab File ID:	123339.PRN
Dilution:	40	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/09/2012 2026	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/09/2012 1659				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	25.1	25.07	99.9	51.4 - 148.2	

Matrix Spike - Batch: 460-123348

Method: 7471A
Preparation: 7471A

Lab Sample ID:	460-43017-E-7-K MS	Analysis Batch:	460-123377	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-123348	Lab File ID:	123339.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/09/2012 2031	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/09/2012 1659				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.029 J	0.169	0.182	91	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

Duplicate - Batch: 460-123348

Method: 7471A
Preparation: 7471A

Lab Sample ID:	460-43017-A-7-A DU	Analysis Batch:	460-123377	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-123348	Lab File ID:	123339.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/09/2012 2029	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/09/2012 1659				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.029 J	0.0323	10	20	J

Serial Dilution - Batch: 460-123348

Method: 7471A
Preparation: 7471A

Lab Sample ID:	460-43017-E-7-J SD ^5	Analysis Batch:	460-123377	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-123348	Lab File ID:	123339.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/09/2012 2122	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/09/2012 1659				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	0.029 J	0.12	NC		U

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

Duplicate - Batch: 460-123195

Method: Moisture Preparation: N/A

Lab Sample ID:	460-43247-F-7 DU	Analysis Batch:	460-123195	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:	08/08/2012 2357	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	17.9	17.1	4	20	
Percent Solids	82.1	82.9	0.9	20	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

Duplicate - Batch: 460-123197

Method: Moisture Preparation: N/A

Lab Sample ID:	460-43271-D-4 DU	Analysis Batch:	460-123197	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:	08/09/2012 0027	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	20.3	20.2	0.4	20	
Percent Solids	79.7	79.8	0.1	20	

DATA REPORTING QUALIFIERS

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

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.

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-123348					
LCSSRM 460-123348/11-A	LCS-Certified Reference Material	T	Solid	7471A	
MB 460-123348/10-A	Method Blank	T	Solid	7471A	
460-43017-A-7-A DU	Duplicate	T	Solid	7471A	
460-43017-E-7-K MS	Matrix Spike	T	Solid	7471A	
460-43267-1	SO-17338-080612-MM-200	T	Solid	7471A	
460-43267-2	SO-17338-080612-MM-201	T	Solid	7471A	
460-43267-3	SO-17338-080612-MM-202	T	Solid	7471A	
Analysis Batch:460-123377					
LCSSRM 460-123348/11-A	LCS-Certified Reference Material	T	Solid	7471A	460-123348
MB 460-123348/10-A	Method Blank	T	Solid	7471A	460-123348
460-43017-A-7-A DU	Duplicate	T	Solid	7471A	460-123348
460-43017-E-7-K MS	Matrix Spike	T	Solid	7471A	460-123348
460-43267-1	SO-17338-080612-MM-200	T	Solid	7471A	460-123348
460-43267-2	SO-17338-080612-MM-201	T	Solid	7471A	460-123348
460-43267-3	SO-17338-080612-MM-202	T	Solid	7471A	460-123348
Prep Batch: 460-123402					
LCSSRM 460-123402/2-A ^4	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-123402/1-A ^2	Method Blank	T	Solid	3050B	
460-43211-A-4-H DU ^4	Duplicate	T	Solid	3050B	
460-43211-A-4-I MS ^4	Matrix Spike	T	Solid	3050B	
460-43267-1	SO-17338-080612-MM-200	T	Solid	3050B	
460-43267-2	SO-17338-080612-MM-201	T	Solid	3050B	
460-43267-3	SO-17338-080612-MM-202	T	Solid	3050B	
Analysis Batch:460-123507					
LCSSRM 460-123402/2-A ^4	LCS-Certified Reference Material	T	Solid	6010B	460-123402
MB 460-123402/1-A ^2	Method Blank	T	Solid	6010B	460-123402
460-43211-A-4-H DU ^4	Duplicate	T	Solid	6010B	460-123402
460-43211-A-4-I MS ^4	Matrix Spike	T	Solid	6010B	460-123402
460-43267-1	SO-17338-080612-MM-200	T	Solid	6010B	460-123402
460-43267-2	SO-17338-080612-MM-201	T	Solid	6010B	460-123402
460-43267-3	SO-17338-080612-MM-202	T	Solid	6010B	460-123402

Report Basis

T = Total

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-123195					
460-43247-F-7 DU	Duplicate	T	Solid	Moisture	
460-43267-1	SO-17338-080612-MM-200	T	Solid	Moisture	
460-43267-2	SO-17338-080612-MM-201	T	Solid	Moisture	
Analysis Batch:460-123197					
460-43267-3	SO-17338-080612-MM-202	T	Solid	Moisture	
460-43271-D-4 DU	Duplicate	T	Solid	Moisture	

Report Basis

T = Total

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

Laboratory Chronicle

Lab ID: 460-43267-1

Client ID: SO-17338-080612-MM-200

Sample Date/Time: 08/06/2012 00:00

Received Date/Time: 08/06/2012 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-43267-A-1-B ^4		460-123507	460-123402	08/10/2012 05:13	4	TAL EDI	MC
A:6010B	460-43267-A-1-B ^4		460-123507	460-123402	08/10/2012 15:34	4	TAL EDI	CDC
P:7471A	460-43267-A-1-A		460-123377	460-123348	08/09/2012 16:59	1	TAL EDI	TS
A:7471A	460-43267-A-1-A		460-123377	460-123348	08/09/2012 21:00	1	TAL EDI	TS
A:Moisture	460-43267-A-1		460-123195		08/08/2012 23:57	1	TAL EDI	VD

Lab ID: 460-43267-2

Client ID: SO-17338-080612-MM-201

Sample Date/Time: 08/06/2012 00:00

Received Date/Time: 08/06/2012 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-43267-A-2-B ^4		460-123507	460-123402	08/10/2012 05:13	4	TAL EDI	MC
A:6010B	460-43267-A-2-B ^4		460-123507	460-123402	08/10/2012 15:37	4	TAL EDI	CDC
P:7471A	460-43267-A-2-A		460-123377	460-123348	08/09/2012 16:59	1	TAL EDI	TS
A:7471A	460-43267-A-2-A		460-123377	460-123348	08/09/2012 21:02	1	TAL EDI	TS
A:Moisture	460-43267-A-2		460-123195		08/08/2012 23:57	1	TAL EDI	VD

Lab ID: 460-43267-3

Client ID: SO-17338-080612-MM-202

Sample Date/Time: 08/06/2012 00:00

Received Date/Time: 08/06/2012 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-43267-A-3-B ^4		460-123507	460-123402	08/10/2012 05:13	4	TAL EDI	MC
A:6010B	460-43267-A-3-B ^4		460-123507	460-123402	08/10/2012 15:41	4	TAL EDI	CDC
P:7471A	460-43267-A-3-A		460-123377	460-123348	08/09/2012 16:59	1	TAL EDI	TS
A:7471A	460-43267-A-3-A		460-123377	460-123348	08/09/2012 21:04	1	TAL EDI	TS
A:Moisture	460-43267-A-3		460-123197		08/09/2012 00:27	1	TAL EDI	VD

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 460-123402/1-A ^2		460-123507	460-123402	08/10/2012 05:13	2	TAL EDI	MC
A:6010B	MB 460-123402/1-A ^2		460-123507	460-123402	08/10/2012 13:08	2	TAL EDI	CDC
P:7471A	MB 460-123348/10-A		460-123377	460-123348	08/09/2012 16:59	1	TAL EDI	TS
A:7471A	MB 460-123348/10-A		460-123377	460-123348	08/09/2012 20:23	1	TAL EDI	TS

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

Laboratory Chronicle

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		460-123507	460-123402	08/10/2012 05:13	4	TAL EDI	MC
A:6010B	460-123402/2-A ^4 LCSSRM		460-123507	460-123402	08/10/2012 12:57	4	TAL EDI	CDC
P:7471A	LCSSRM		460-123377	460-123348	08/09/2012 16:59	40	TAL EDI	TS
A:7471A	460-123348/11-A ^40 LCSSRM		460-123377	460-123348	08/09/2012 20:26	40	TAL EDI	TS

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	460-43211-A-4-I MS		460-123507	460-123402	08/10/2012 05:13	4	TAL EDI	MC
A:6010B	460-43211-A-4-I MS		460-123507	460-123402	08/10/2012 12:47	4	TAL EDI	CDC
P:7471A	460-43017-E-7-K MS		460-123377	460-123348	08/09/2012 16:59	1	TAL EDI	TS
A:7471A	460-43017-E-7-K MS		460-123377	460-123348	08/09/2012 20:31	1	TAL EDI	TS

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	460-43211-A-4-H DU		460-123507	460-123402	08/10/2012 05:13	4	TAL EDI	MC
A:6010B	460-43211-A-4-H DU		460-123507	460-123402	08/10/2012 12:36	4	TAL EDI	CDC
P:7471A	460-43017-A-7-A DU		460-123377	460-123348	08/09/2012 16:59	1	TAL EDI	TS
A:7471A	460-43017-A-7-A DU		460-123377	460-123348	08/09/2012 20:29	1	TAL EDI	TS
A:Moisture	460-43247-F-7 DU		460-123195		08/08/2012 23:57	1	TAL EDI	VD
A:Moisture	460-43271-D-4 DU		460-123197		08/09/2012 00:27	1	TAL EDI	VD

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

Laboratory Chronicle

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	460-43211-A-4-G SD ^20		460-123507	460-123402	08/10/2012 05:13	20	TAL EDI	MC
A:6010B	460-43211-A-4-G SD ^20		460-123507	460-123402	08/10/2012 12:43	20	TAL EDI	CDC
P:3050B	460-43211-A-4-G PDS ^4		460-123507	460-123402	08/10/2012 05:13	4	TAL EDI	MC
A:6010B	460-43211-A-4-G PDS ^4		460-123507	460-123402	08/10/2012 12:50	4	TAL EDI	CDC
P:7471A	460-43017-E-7-J SD ^5		460-123377	460-123348	08/09/2012 16:59	5	TAL EDI	TS
A:7471A	460-43017-E-7-J SD ^5		460-123377	460-123348	08/09/2012 21:22	5	TAL EDI	TS

Lab References:

TAL EDI = TestAmerica Edison

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-43267-1

SDG No.: _____

Project: 17338-TO4-2012, RACER, GM Wilmington

Client Sample ID

SO-17338-080612-MM-200

SO-17338-080612-MM-201

SO-17338-080612-MM-202

Lab Sample ID

460-43267-1

460-43267-2

460-43267-3

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SO-17338-080612-MM-200

Lab Sample ID: 460-43267-1

Lab Name: TestAmerica Edison

Job No.: 460-43267-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/06/2012 00:00

Reporting Basis: DRY

Date Received: 08/06/2012 19:00

% Solids: 82.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10200	43.4	19.7	mg/Kg			4	6010B
7440-36-0	Antimony	13.3	2.2	1.3	mg/Kg			4	6010B
7440-38-2	Arsenic	6.6	1.1	1.0	mg/Kg			4	6010B
7440-39-3	Barium	1840	43.4	1.2	mg/Kg			4	6010B
7440-41-7	Beryllium	0.55	0.43	0.16	mg/Kg			4	6010B
7440-43-9	Cadmium	8.2	1.1	0.16	mg/Kg			4	6010B
7440-70-2	Calcium	3390	1080	76.7	mg/Kg			4	6010B
7440-47-3	Chromium	44.3	2.2	0.93	mg/Kg			4	6010B
7440-48-4	Cobalt	8.1	10.8	0.92	mg/Kg	J		4	6010B
7440-50-8	Copper	49.7	5.4	2.1	mg/Kg			4	6010B
7439-89-6	Iron	21300	32.5	13.1	mg/Kg			4	6010B
7439-92-1	Lead	1150	1.1	0.93	mg/Kg			4	6010B
7439-95-4	Magnesium	2130	1080	78.0	mg/Kg			4	6010B
7439-96-5	Manganese	374	3.3	0.95	mg/Kg			4	6010B
7440-02-0	Nickel	17.6	8.7	0.95	mg/Kg			4	6010B
7440-09-7	Potassium	565	1080	116	mg/Kg	J		4	6010B
7782-49-2	Selenium	1.4	2.2	1.4	mg/Kg	U		4	6010B
7440-22-4	Silver	0.22	2.2	0.22	mg/Kg	U		4	6010B
7440-23-5	Sodium	171	1080	171	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.2	2.2	1.2	mg/Kg	U		4	6010B
7440-62-2	Vanadium	40.3	10.8	0.83	mg/Kg			4	6010B
7440-66-6	Zinc	665	6.5	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.099	0.038	0.025	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SO-17338-080612-MM-201

Lab Sample ID: 460-43267-2

Lab Name: TestAmerica Edison

Job No.: 460-43267-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/06/2012 00:00

Reporting Basis: DRY

Date Received: 08/06/2012 19:00

% Solids: 84.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	9140	42.4	19.3	mg/Kg			4	6010B
7440-36-0	Antimony	1.3	2.1	1.3	mg/Kg	U		4	6010B
7440-38-2	Arsenic	3.8	1.1	1.0	mg/Kg			4	6010B
7440-39-3	Barium	388	42.4	1.2	mg/Kg			4	6010B
7440-41-7	Beryllium	0.42	0.42	0.15	mg/Kg			4	6010B
7440-43-9	Cadmium	3.8	1.1	0.16	mg/Kg			4	6010B
7440-70-2	Calcium	1440	1060	75.1	mg/Kg			4	6010B
7440-47-3	Chromium	25.7	2.1	0.91	mg/Kg			4	6010B
7440-48-4	Cobalt	5.2	10.6	0.90	mg/Kg	J		4	6010B
7440-50-8	Copper	17.4	5.3	2.1	mg/Kg			4	6010B
7439-89-6	Iron	11500	31.8	12.8	mg/Kg			4	6010B
7439-92-1	Lead	151	1.1	0.91	mg/Kg			4	6010B
7439-95-4	Magnesium	1440	1060	76.4	mg/Kg			4	6010B
7439-96-5	Manganese	52.5	3.2	0.93	mg/Kg			4	6010B
7440-02-0	Nickel	10.4	8.5	0.93	mg/Kg			4	6010B
7440-09-7	Potassium	545	1060	113	mg/Kg	J		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	168	1060	168	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.2	2.1	1.2	mg/Kg	U		4	6010B
7440-62-2	Vanadium	25.2	10.6	0.81	mg/Kg			4	6010B
7440-66-6	Zinc	164	6.4	1.1	mg/Kg			4	6010B
7439-97-6	Mercury	0.051	0.038	0.025	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SO-17338-080612-MM-202

Lab Sample ID: 460-43267-3

Lab Name: TestAmerica Edison

Job No.: 460-43267-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/06/2012 00:00

Reporting Basis: DRY

Date Received: 08/06/2012 19:00

% Solids: 86.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10100	44.7	20.3	mg/Kg			4	6010B
7440-36-0	Antimony	37.2	2.2	1.4	mg/Kg			4	6010B
7440-38-2	Arsenic	12.2	1.1	1.0	mg/Kg			4	6010B
7440-39-3	Barium	3190	44.7	1.3	mg/Kg			4	6010B
7440-41-7	Beryllium	0.39	0.45	0.16	mg/Kg	J		4	6010B
7440-43-9	Cadmium	10.1	1.1	0.17	mg/Kg			4	6010B
7440-70-2	Calcium	17700	1120	79.0	mg/Kg			4	6010B
7440-47-3	Chromium	42.0	2.2	0.96	mg/Kg			4	6010B
7440-48-4	Cobalt	6.4	11.2	0.95	mg/Kg	J		4	6010B
7440-50-8	Copper	52.3	5.6	2.2	mg/Kg			4	6010B
7439-89-6	Iron	31800	33.5	13.5	mg/Kg			4	6010B
7439-92-1	Lead	2210	1.1	0.96	mg/Kg			4	6010B
7439-95-4	Magnesium	5360	1120	80.4	mg/Kg			4	6010B
7439-96-5	Manganese	293	3.3	0.98	mg/Kg			4	6010B
7440-02-0	Nickel	16.7	8.9	0.98	mg/Kg			4	6010B
7440-09-7	Potassium	463	1120	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	193	1120	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	26.9	11.2	0.86	mg/Kg			4	6010B
7440-66-6	Zinc	1020	6.7	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.045	0.037	0.025	mg/Kg			1	7471A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-43267-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00056 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00056

Analyte	ICV 460-123507/7 08/10/2012 10:50				CCV 460-123507/31 08/10/2012 12:18				CCV 460-123507/43 08/10/2012 13:01			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	126800		125000	101	125800		125000	101	125000		125000	100
Antimony	999.2		1000	100	1013		1000	101	1008		1000	101
Arsenic	2515		2500	101	2539		2500	102	2510		2500	100
Barium	10070		10000	101	10140		10000	101	10070		10000	101
Beryllium	1013		1000	101	991.0		1000	99	987.7		1000	99
Cadmium	1266		1250	101	1275		1250	102	1265		1250	101
Calcium	128600		125000	103	125900		125000	101	125100		125000	100
Chromium	5117		5000	102	5140		5000	103	5103		5000	102
Cobalt	2527		2500	101	2545		2500	102	2537		2500	101
Copper	12740		12500	102	12420		12500	99	12350		12500	99
Iron	102700		100000	103	102800		100000	103	101700		100000	102
Lead	7704		7500	103	7727		7500	103	7663		7500	102
Magnesium	127800		125000	102	128400		125000	103	127900		125000	102
Manganese	5173		5000	103	5142		5000	103	5115		5000	102
Nickel	2542		2500	102	2561		2500	102	2550		2500	102
Potassium	50800		50000	102	50010		50000	100	49480		50000	99
Selenium	2500		2500	100	2524		2500	101	2505		2500	100
Silver	1264		1250	101	1265		1250	101	1255		1250	100
Sodium	126200		125000	101	124700		125000	100	124600		125000	100
Thallium	2550		2500	102	2562		2500	102	2537		2500	101
Vanadium	2533		2500	101	2525		2500	101	2490		2500	100
Zinc	2535		2500	101	2546		2500	102	2530		2500	101

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.: 460-43267-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00056 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00056

Analyte	CCV 460-123507/55 08/10/2012 13:44				CCV 460-123507/79 08/10/2012 15:12				CCV 460-123507/91 08/10/2012 15:55			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	124800		125000	100	125600		125000	100	125000		125000	100
Antimony	1002		1000	100	1008		1000	101	1015		1000	102
Arsenic	2503		2500	100	2513		2500	101	2508		2500	100
Barium	10010		10000	100	10060		10000	101	10070		10000	101
Beryllium	993.6		1000	99	990.1		1000	99	993.3		1000	99
Cadmium	1256		1250	100	1264		1250	101	1265		1250	101
Calcium	125700		125000	101	126000		125000	101	125800		125000	101
Chromium	5062		5000	101	5117		5000	102	5098		5000	102
Cobalt	2529		2500	101	2547		2500	102	2550		2500	102
Copper	12420		12500	99	12380		12500	99	12400		12500	99
Iron	101200		100000	101	102000		100000	102	101700		100000	102
Lead	7625		7500	102	7665		7500	102	7665		7500	102
Magnesium	126900		125000	102	128100		125000	102	127800		125000	102
Manganese	5122		5000	102	5162		5000	103	5157		5000	103
Nickel	2537		2500	101	2555		2500	102	2557		2500	102
Potassium	49720		50000	99	50080		50000	100	50190		50000	100
Selenium	2504		2500	100	2519		2500	101	2511		2500	100
Silver	1251		1250	100	1261		1250	101	1255		1250	100
Sodium	124300		125000	99	124400		125000	100	125300		125000	100
Thallium	2530		2500	101	2536		2500	101	2533		2500	101
Vanadium	2481		2500	99	2497		2500	100	2485		2500	99
Zinc	2517		2500	101	2534		2500	101	2533		2500	101

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.: 460-43267-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00589 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00589

Analyte	ICV 460-123339/7-A 08/09/2012 19:04				CCV 460-123339/8-A 08/09/2012 20:20				CCV 460-123339/8-A 08/09/2012 20:45			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	841.7		833	101	841.7		833	101	831.7		833	100

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.: 460-43267-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00589 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00589

Analyte	CCV 460-123339/8-A 08/09/2012 21:09				CCV 460-123339/8-A 08/09/2012 21:24							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	838.3		833	101	846.7		833	102				

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.: 460-43267-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-123507/8 08/10/2012 10:54		CCB 460-123507/32 08/10/2012 12:21		CCB 460-123507/44 08/10/2012 13:04		CCB 460-123507/56 08/10/2012 13:47	
		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.: 460-43267-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 460-123507/80 08/10/2012 15:15		CCB 460-123507/92 08/10/2012 15:59					
		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.: 460-43267-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-123377/8 08/09/2012 19:06		CCB 460-123377/44 08/09/2012 20:22		CCB 460-123377/56 08/09/2012 20:47		CCB 460-123377/68 08/09/2012 21:11	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.16	U	0.16	U	0.16	U	0.16	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-43267-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 460-123377/75 08/09/2012 21:26							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.16	U						

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-43267-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 460-123402/1-A ^2
 Instrument Code: ICP4 Batch No.: 123507

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.: 460-43267-1
SDG No.: _____
Concentration Units: mg/Kg Lab Sample ID: MB 460-123348/10-A
Instrument Code: LEEMAN5 Batch No.: 123377

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.: 460-43267-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-123507/17 Instrument ID: ICP4
 Lab File ID: 08102012.asc ICS Source: ME_ICSA_Duo_00039
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	513100	103
Antimony		-5.97	
Arsenic		1.59	
Barium		-1.61	
Beryllium		-0.138	
Cadmium		-1.41	
Calcium	500000	473800	95
Chromium		-0.590	
Cobalt		-0.254	
Copper		-9.88	
Iron	200000	203400	102
Lead		-0.295	
Magnesium	500000	532100	106
Manganese		-1.76	
Nickel		0.931	
Potassium		-288	
Selenium		-3.53	
Silver		-2.35	
Sodium		-133	
Thallium		2.56	
Vanadium		-2.17	
Zinc		-2.50	
<i>Boron</i>		<i>-0.968</i>	
<i>Molybdenum</i>		<i>-3.44</i>	
<i>Strontium</i>		<i>1.08</i>	
<i>Tin</i>		<i>0.943</i>	
<i>Titanium</i>		<i>-4.44</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.: 460-43267-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-123507/18 Instrument ID: ICP4
 Lab File ID: 08102012.asc ICS Source: ME_ICSAB_DUO_00040
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	500000	508300	102
Antimony	100	98.7	99
Arsenic	100	98.5	98
Barium	100	97.6	98
Beryllium	100	98.8	99
Cadmium	100	97.1	97
Calcium	500000	465400	93
Chromium	100	101	101
Cobalt	100	96.9	97
Copper	100	87.3	87
Iron	200000	203200	102
Lead	100	96.9	97
Magnesium	500000	530000	106
Manganese	100	101	101
Nickel	100	97.6	98
Potassium	10000	10190	102
Selenium	100	89.5	89
Silver	100	105	105
Sodium	10000	10280	103
Thallium	100	97.3	97
Vanadium	100	98.3	98
Zinc	100	96.2	96
<i>Boron</i>	<i>100</i>	<i>97.3</i>	<i>97</i>
<i>Molybdenum</i>	<i>100</i>	<i>94.7</i>	<i>95</i>
<i>Strontium</i>	<i>100</i>	<i>101</i>	<i>101</i>
<i>Tin</i>	<i>100</i>	<i>99.5</i>	<i>100</i>
<i>Titanium</i>	<i>100</i>	<i>94.1</i>	<i>94</i>

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-43017-E-7-K MS
Lab Name: TestAmerica Edison Job No.: 460-43267-1
SDG No.: _____
Matrix: Solid Concentration Units: mg/Kg
% Solids: 98.8

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA) J	%R	Control Limit %R	Q	Method
Mercury	0.182	0.029	0.169	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: 460-43211-A-4-I MS ^4
 Lab Name: TestAmerica Edison Job No.: 460-43267-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/Kg
 % Solids: 96.8

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	11700	7200	195	2306	75-125	4	6010B
Antimony	30.90	1.2 U	48.7	63	75-125	F	6010B
Arsenic	187.0	1.3	195	95	75-125		6010B
Barium	221.1	21.6 J	195	102	75-125		6010B
Beryllium	5.25	0.35 J	4.87	101	75-125		6010B
Cadmium	4.80	0.14 U	4.87	98	75-125		6010B
Calcium	2119	144 J	1950	101	75-125		6010B
Chromium	27.34	6.0	19.5	110	75-125		6010B
Cobalt	52.35	3.2 J	48.7	101	75-125		6010B
Copper	24.33	1.8 U	24.4	100	75-125		6010B
Iron	9888	9400	97.5	503	75-125	4	6010B
Lead	54.56	4.5	48.7	103	75-125		6010B
Magnesium	2194	213 J	1950	102	75-125		6010B
Manganese	203.0	155	48.7	98	75-125		6010B
Nickel	54.56	3.6 J	48.7	104	75-125		6010B
Potassium	2047	117 J	1950	99	75-125		6010B
Selenium	183.3	1.3 U	195	94	75-125		6010B
Silver	4.38	0.19 U	4.87	90	75-125		6010B
Sodium	1940	150 U	1950	99	75-125		6010B
Thallium	204.0	1.1 U	195	105	75-125		6010B
Vanadium	60.70	11.8	48.7	100	75-125		6010B
Zinc	58.67	8.5	48.7	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.

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-43211-A-4-G PDS ^4
 Lab Name: TestAmerica Edison Job No.: 460-43267-1
 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	7537	7200	379	NC	75-125		6010B
Antimony	86.88	1.2 U	94.8	92	75-125		6010B
Arsenic	356.9	1.3	379	94	75-125		6010B
Barium	393.3	21.6 J	379	98	75-125		6010B
Beryllium	9.38	0.35 J	9.48	95	75-125		6010B
Cadmium	9.17	0.14 U	9.48	97	75-125		6010B
Calcium	3878	144 J	3790	98	75-125		6010B
Chromium	43.37	6.0	37.9	99	75-125		6010B
Cobalt	95.85	3.2 J	94.8	98	75-125		6010B
Copper	44.88	1.8 U	47.4	95	75-125		6010B
Iron	9519	9400	190	NC	75-125		6010B
Lead	98.07	4.5	94.8	99	75-125		6010B
Magnesium	3845	213 J	3790	96	75-125		6010B
Manganese	249.0	155	94.8	99	75-125		6010B
Nickel	97.29	3.6 J	94.8	99	75-125		6010B
Potassium	3701	117 J	3790	95	75-125		6010B
Selenium	348.7	1.3 U	379	92	75-125		6010B
Silver	8.62	0.19 U	9.48	91	75-125		6010B
Sodium	3652	150 U	3790	96	75-125		6010B
Thallium	382.8	1.1 U	379	101	75-125		6010B
Vanadium	102.0	11.8	94.8	95	75-125		6010B
Zinc	100.0	8.5	94.8	96	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: _____ Lab ID: 460-43017-A-7-A DU
Lab Name: TestAmerica Edison Job No.: 460-43267-1
SDG No.: _____
% Solids for Sample: 92.4 % Solids for Duplicate: 92.4
Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Mercury	0.036	0.029 J	0.0323 J	10		7471A

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

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-43211-A-4-H DU ^4
 Lab Name: TestAmerica Edison Job No.: 460-43267-1
 SDG No.: _____
 % Solids for Sample: 96.8 % Solids for Duplicate: 96.8
 Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Aluminum	38.6	7200	7502	4		6010B
Antimony	1.9	1.2 U	1.2 U	NC		6010B
Arsenic	0.97	1.3	1.48	11		6010B
Barium	38.6	21.6 J	21.98 J	2		6010B
Beryllium	0.39	0.35 J	0.372 J	5		6010B
Cadmium	0.97	0.14 U	0.14 U	NC		6010B
Calcium	966	144 J	140.3 J	2		6010B
Chromium	1.9	6.0	6.42	8		6010B
Cobalt	9.7	3.2 J	3.55 J	11		6010B
Copper	4.8	1.8 U	1.9 U	NC		6010B
Iron	29.0	9400	9602	2		6010B
Lead	0.97	4.5	5.02	10		6010B
Magnesium	966	213 J	220.6 J	4		6010B
Manganese	2.9	155	161.8	4		6010B
Nickel	7.7	3.6 J	3.64 J	0.1		6010B
Potassium	966	117 J	121.4 J	3		6010B
Selenium	1.9	1.3 U	1.3 U	NC		6010B
Silver	1.9	0.19 U	0.19 U	NC		6010B
Sodium	966	150 U	153 U	NC		6010B
Thallium	1.9	1.1 U	1.1 U	NC		6010B
Vanadium	9.7	11.8	11.97	1		6010B
Zinc	5.8	8.5	8.73	2		6010B

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

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-123402/2-A ^4

Lab Name: TestAmerica Edison

Job No.: 460-43267-1

Sample Matrix: Solid

LCS Source: ME_LCSS_77_00001

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	9130	6165		67.5	43.3	156.8		6010B
Antimony	118	206.9		175.8	20.8	252.5		6010B
Arsenic	165	156.9		95.3	70.8	129.8		6010B
Barium	209	194.0		92.9	73.2	126.8		6010B
Beryllium	108	106.1		98.4	75.1	125.5		6010B
Cadmium	101	108.4		107.3	73.0	126.2		6010B
Calcium	6740	6953		103.2	74.4	125.8		6010B
Chromium	117	120.5		103.2	69.7	129.4		6010B
Cobalt	128	139.9		108.9	74.4	125.2		6010B
Copper	116	118.5		102.5	74.6	124.6		6010B
Iron	12700	11320		88.8	32.2	167.7		6010B
Lead	75.4	78.37		104.0	68.7	131.3		6010B
Magnesium	2730	2427		89.1	65.1	135.3		6010B
Manganese	331	350.0		105.6	75.4	125.1		6010B
Nickel	68.6	76.57		111.6	70.9	129.0		6010B
Potassium	3070	2580		84.1	62.9	136.7		6010B
Selenium	124	119.3		96.6	66.7	134.1		6010B
Silver	41.5	39.29		94.8	66.2	134.0		6010B
Sodium	343	312.4	J	91.0	42.9	156.9		6010B
Thallium	204	219.4		107.6	69.2	130.8		6010B
Vanadium	85.4	83.02		97.2	63.1	136.6		6010B
Zinc	271	278.4		102.9	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 460-123348/11-A ^40

Lab Name: TestAmerica Edison

Job No.: 460-43267-1

Sample Matrix: Solid

LCS Source: ME_LCSS_77_00001

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	25.1	25.07		99.9	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: 460-43211-A-4-G SD ^20

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-43267-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Aluminum	7200		7209		0.08		6010B
Antimony	1.2	U	5.9	U	NC		6010B
Arsenic	1.3		4.5	U	NC		6010B
Barium	21.6	J	21.61	J	NC		6010B
Beryllium	0.35	J	0.68	U	NC		6010B
Cadmium	0.14	U	0.70	U	NC		6010B
Calcium	144	J	336	U	NC		6010B
Chromium	6.0		5.32	J	NC		6010B
Cobalt	3.2	J	4.0	U	NC		6010B
Copper	1.8	U	9.2	U	NC		6010B
Iron	9400		9466		0.73		6010B
Lead	4.5		6.01		NC		6010B
Magnesium	213	J	341	U	NC		6010B
Manganese	155		156.9		0.96		6010B
Nickel	3.6	J	4.2	U	NC		6010B
Potassium	117	J	507	U	NC		6010B
Selenium	1.3	U	6.3	U	NC		6010B
Silver	0.19	U	0.95	U	NC		6010B
Sodium	150	U	749	U	NC		6010B
Thallium	1.1	U	5.4	U	NC		6010B
Vanadium	11.8		11.50	J	NC		6010B
Zinc	8.5		8.65	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: 460-43017-E-7-J SD ^5

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-43267-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample		Serial		% Difference	Q	Method
	Result (I)	C	Result (S)	C			
Mercury	0.029	J	0.12	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: 460-43267-1
 SDG Number: _____
 Matrix: Solid Instrument ID: ICP4
 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: 460-43267-1
SDG Number: _____
Matrix: Solid Instrument ID: ICP4
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: 460-43267-1
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: 460-43267-1
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

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Edison

Job No: 460-43267-1

SDG No.: _____

Instrument ID: ICP4

Date: 01/05/2012 09:24

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum		1000000	6010B
Antimony		8000	6010B
Arsenic		20000	6010B
Barium		80000	6010B
Beryllium		8000	6010B
Cadmium		10000	6010B
Calcium		1000000	6010B
Chromium		40000	6010B
Cobalt		20000	6010B
Copper		100000	6010B
Iron		800000	6010B
Lead		60000	6010B
Magnesium		1000000	6010B
Manganese		40000	6010B
Nickel		20000	6010B
Potassium		400000	6010B
Selenium		20000	6010B
Silver		10000	6010B
Sodium		1000000	6010B
Thallium		20000	6010B
Vanadium		20000	6010B
Zinc		20000	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-43267-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-123402/1-A ^2	08/10/2012 05:13	123402	1.00		50
LCSSRM 460-123402/2-A ^4	08/10/2012 05:13	123402	1.02		50
460-43211-A-4-H DU ^4	08/10/2012 05:13	123402	1.07		50
460-43211-A-4-I MS ^4	08/10/2012 05:13	123402	1.06		50
460-43267-1	08/10/2012 05:13	123402	1.12		50
460-43267-2	08/10/2012 05:13	123402	1.12		50
460-43267-3	08/10/2012 05:13	123402	1.04		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-43267-1

SDG No.: _____

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-123348/10-A	08/09/2012 16:59	123348	0.60		100
LCSSRM 460-123348/11-A ^40	08/09/2012 16:59	123348	0.60		100
460-43017-A-7-A DU	08/09/2012 16:59	123348	0.60		100
460-43017-E-7-K MS	08/09/2012 16:59	123348	0.60		100
460-43267-1	08/09/2012 16:59	123348	0.63		100
460-43267-2	08/09/2012 16:59	123348	0.62		100
460-43267-3	08/09/2012 16:59	123348	0.62		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-43267-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 08/10/2012 10:29 End Date: 08/10/2012 17:15

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
ZZZZZZ			10:29																			
ZZZZZZ			10:32																			
ZZZZZZ			10:36																			
ZZZZZZ			10:40																			
ZZZZZZ			10:43																			
ZZZZZZ			10:47																			
ICV 460-123507/7	1		10:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 460-123507/8	1		10:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 460-123507/9			10:57																			
ICSAB 460-123507/10			11:01																			
ZZZZZZ			11:05																			
ZZZZZZ			11:09																			
ZZZZZZ			11:12																			
ZZZZZZ			11:16																			
ZZZZZZ			11:20																			
ZZZZZZ			11:23																			
ICSA 460-123507/17	1		11:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 460-123507/18	1		11:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 460-123507/19			11:34																			
CCB 460-123507/20			11:38																			
ZZZZZZ			11:42																			
ZZZZZZ			11:45																			
ZZZZZZ			11:49																			
ZZZZZZ			11:53																			
ZZZZZZ			11:56																			
ZZZZZZ			12:00																			
ZZZZZZ			12:03																			
ZZZZZZ			12:07																			
ZZZZZZ			12:11																			
ZZZZZZ			12:14																			
CCV 460-123507/31	1		12:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-123507/32	1		12:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:25																			
ZZZZZZ			12:29																			
ZZZZZZ			12:32																			
460-43211-A-4-H DU ^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																			
460-43211-A-4-G SD ^20	20	T	12:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-43211-A-4-I MS ^4	4	T	12:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-43211-A-4-G PDS ^4	4	T	12:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:54																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-43267-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 08/10/2012 10:29 End Date: 08/10/2012 17:15

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
LCSSRM 460-123402/2-A ^4	4	T	12:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 460-123507/43	1		13:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-123507/44	1		13:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 460-123402/1-A ^2	2	T	13:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:12																				
ZZZZZZ			13:15																				
ZZZZZZ			13:19																				
ZZZZZZ			13:22																				
ZZZZZZ			13:26																				
ZZZZZZ			13:30																				
ZZZZZZ			13:33																				
ZZZZZZ			13:37																				
ZZZZZZ			13:41																				
CCV 460-123507/55	1		13:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-123507/56	1		13:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:51																				
ZZZZZZ			13:55																				
ZZZZZZ			13:59																				
ZZZZZZ			14:02																				
ZZZZZZ			14:06																				
ZZZZZZ			14:10																				
ZZZZZZ			14:13																				
ZZZZZZ			14:17																				
ZZZZZZ			14:20																				
ZZZZZZ			14:24																				
CCV 460-123507/67			14:28																				
CCB 460-123507/68			14:31																				
ZZZZZZ			14:35																				
ZZZZZZ			14:39																				
ZZZZZZ			14:42																				
ZZZZZZ			14:46																				
ZZZZZZ			14:50																				
ZZZZZZ			14:54																				
ZZZZZZ			14:57																				
ZZZZZZ			15:01																				
ZZZZZZ			15:05																				
ZZZZZZ			15:08																				
CCV 460-123507/79	1		15:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-123507/80	1		15:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:19																				
ZZZZZZ			15:23																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-43267-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 08/10/2012 10:29 End Date: 08/10/2012 17:15

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
ZZZZZZ			15:26																			
ZZZZZZ			15:30																			
460-43267-1	4	T	15:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-43267-2	4	T	15:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-43267-3	4	T	15:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:45																			
ZZZZZZ			15:48																			
ZZZZZZ			15:52																			
CCV 460-123507/91	1		15:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-123507/92	1		15:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:03																			
ZZZZZZ			16:06																			
ZZZZZZ			16:10																			
ZZZZZZ			16:13																			
ZZZZZZ			16:17																			
ZZZZZZ			16:20																			
ZZZZZZ			16:24																			
ZZZZZZ			16:28																			
ZZZZZZ			16:31																			
ZZZZZZ			16:35																			
CCV 460-123507/103			16:39																			
CCB 460-123507/104			16:42																			
ZZZZZZ			16:46																			
ZZZZZZ			16:49																			
ZZZZZZ			16:53																			
ZZZZZZ			16:57																			
ZZZZZZ			17:00																			
ZZZZZZ			17:04																			
ZZZZZZ			17:08																			
CCV 460-123507/112			17:11																			
CCB 460-123507/113			17:15																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-43267-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 08/10/2012 10:29 End Date: 08/10/2012 17:15

Lab Sample ID	D / F	T y p e	Time	Analytes															
				V	Z n														
ZZZZZZ			10:29																
ZZZZZZ			10:32																
ZZZZZZ			10:36																
ZZZZZZ			10:40																
ZZZZZZ			10:43																
ZZZZZZ			10:47																
ICV 460-123507/7	1		10:50	X	X														
ICB 460-123507/8	1		10:54	X	X														
ICSA 460-123507/9			10:57																
ICSAB 460-123507/10			11:01																
ZZZZZZ			11:05																
ZZZZZZ			11:09																
ZZZZZZ			11:12																
ZZZZZZ			11:16																
ZZZZZZ			11:20																
ZZZZZZ			11:23																
ICSA 460-123507/17	1		11:27	X	X														
ICSAB 460-123507/18	1		11:31	X	X														
CCV 460-123507/19			11:34																
CCB 460-123507/20			11:38																
ZZZZZZ			11:42																
ZZZZZZ			11:45																
ZZZZZZ			11:49																
ZZZZZZ			11:53																
ZZZZZZ			11:56																
ZZZZZZ			12:00																
ZZZZZZ			12:03																
ZZZZZZ			12:07																
ZZZZZZ			12:11																
ZZZZZZ			12:14																
CCV 460-123507/31	1		12:18	X	X														
CCB 460-123507/32	1		12:21	X	X														
ZZZZZZ			12:25																
ZZZZZZ			12:29																
ZZZZZZ			12:32																
460-43211-A-4-H DU ^4	4	T	12:36	X	X														
ZZZZZZ			12:39																
460-43211-A-4-G SD ^20	20	T	12:43	X	X														
460-43211-A-4-I MS ^4	4	T	12:47	X	X														
460-43211-A-4-G PDS ^4	4	T	12:50	X	X														
ZZZZZZ			12:54																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-43267-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 08/10/2012 10:29 End Date: 08/10/2012 17:15

Lab Sample ID	D / F	T y p e	Time	Analytes															
				V	Z n														
LCSSRM 460-123402/2-A ^4	4	T	12:57	X	X														
CCV 460-123507/43	1		13:01	X	X														
CCB 460-123507/44	1		13:04	X	X														
MB 460-123402/1-A ^2	2	T	13:08	X	X														
ZZZZZZ			13:12																
ZZZZZZ			13:15																
ZZZZZZ			13:19																
ZZZZZZ			13:22																
ZZZZZZ			13:26																
ZZZZZZ			13:30																
ZZZZZZ			13:33																
ZZZZZZ			13:37																
ZZZZZZ			13:41																
CCV 460-123507/55	1		13:44	X	X														
CCB 460-123507/56	1		13:47	X	X														
ZZZZZZ			13:51																
ZZZZZZ			13:55																
ZZZZZZ			13:59																
ZZZZZZ			14:02																
ZZZZZZ			14:06																
ZZZZZZ			14:10																
ZZZZZZ			14:13																
ZZZZZZ			14:17																
ZZZZZZ			14:20																
ZZZZZZ			14:24																
CCV 460-123507/67			14:28																
CCB 460-123507/68			14:31																
ZZZZZZ			14:35																
ZZZZZZ			14:39																
ZZZZZZ			14:42																
ZZZZZZ			14:46																
ZZZZZZ			14:50																
ZZZZZZ			14:54																
ZZZZZZ			14:57																
ZZZZZZ			15:01																
ZZZZZZ			15:05																
ZZZZZZ			15:08																
CCV 460-123507/79	1		15:12	X	X														
CCB 460-123507/80	1		15:15	X	X														
ZZZZZZ			15:19																
ZZZZZZ			15:23																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-43267-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 08/10/2012 10:29 End Date: 08/10/2012 17:15

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			15:26																		
ZZZZZZ			15:30																		
460-43267-1	4	T	15:34	X	X																
460-43267-2	4	T	15:37	X	X																
460-43267-3	4	T	15:41	X	X																
ZZZZZZ			15:45																		
ZZZZZZ			15:48																		
ZZZZZZ			15:52																		
CCV 460-123507/91	1		15:55	X	X																
CCB 460-123507/92	1		15:59	X	X																
ZZZZZZ			16:03																		
ZZZZZZ			16:06																		
ZZZZZZ			16:10																		
ZZZZZZ			16:13																		
ZZZZZZ			16:17																		
ZZZZZZ			16:20																		
ZZZZZZ			16:24																		
ZZZZZZ			16:28																		
ZZZZZZ			16:31																		
ZZZZZZ			16:35																		
CCV 460-123507/103			16:39																		
CCB 460-123507/104			16:42																		
ZZZZZZ			16:46																		
ZZZZZZ			16:49																		
ZZZZZZ			16:53																		
ZZZZZZ			16:57																		
ZZZZZZ			17:00																		
ZZZZZZ			17:04																		
ZZZZZZ			17:08																		
CCV 460-123507/112			17:11																		
CCB 460-123507/113			17:15																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-43267-1

SDG No.: _____

Instrument ID: LEEMAN5 Method: 7471A

Start Date: 08/09/2012 18:52 End Date: 08/09/2012 22:28

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
IC 460-123339/1-A			18:52	X															
IC 460-123339/2-A			18:53	X															
IC 460-123339/3-A			18:55	X															
IC 460-123339/4-A			18:58	X															
IC 460-123339/5-A			19:01	X															
IC 460-123339/6-A			19:02	X															
ICV 460-123339/7-A	1		19:04	X															
ICB 460-123377/8	1		19:06	X															
ZZZZZZ			19:08																
ZZZZZZ			19:10																
ZZZZZZ			19:12																
ZZZZZZ			19:13																
ZZZZZZ			19:15																
ZZZZZZ			19:17																
ZZZZZZ			19:19																
ZZZZZZ			19:21																
ZZZZZZ			19:23																
ZZZZZZ			19:26																
CCV 460-123339/8-A			19:28																
CCB 460-123377/20			19:31																
ZZZZZZ			19:33																
ZZZZZZ			19:35																
ZZZZZZ			19:37																
ZZZZZZ			19:40																
ZZZZZZ			19:42																
ZZZZZZ			19:44																
ZZZZZZ			19:46																
ZZZZZZ			19:48																
ZZZZZZ			19:49																
ZZZZZZ			19:51																
CCV 460-123339/8-A			19:53																
CCB 460-123377/32			19:56																
ZZZZZZ			19:58																
ZZZZZZ			20:00																
ZZZZZZ			20:03																
ZZZZZZ			20:05																
ZZZZZZ			20:07																
ZZZZZZ			20:09																
ZZZZZZ			20:11																
ZZZZZZ			20:13																
ZZZZZZ			20:15																
ZZZZZZ			20:17																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-43267-1

SDG No.: _____

Instrument ID: LEEMAN5 Method: 7471A

Start Date: 08/09/2012 18:52 End Date: 08/09/2012 22:28

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
CCV 460-123339/8-A	1		20:20	X															
CCB 460-123377/44	1		20:22	X															
MB 460-123348/10-A	1	T	20:23	X															
LCSSRM 460-123348/11-A ^40	40	T	20:26	X															
ZZZZZZ			20:28																
460-43017-A-7-A DU	1	T	20:29	X															
460-43017-E-7-K MS	1	T	20:31	X															
ZZZZZZ			20:34																
ZZZZZZ			20:37																
ZZZZZZ			20:38																
ZZZZZZ			20:41																
ZZZZZZ			20:43																
CCV 460-123339/8-A	1		20:45	X															
CCB 460-123377/56	1		20:47	X															
ZZZZZZ			20:50																
ZZZZZZ			20:51																
ZZZZZZ			20:54																
ZZZZZZ			20:56																
ZZZZZZ			20:58																
460-43267-1	1	T	21:00	X															
460-43267-2	1	T	21:02	X															
460-43267-3	1	T	21:04	X															
ZZZZZZ			21:06																
ZZZZZZ			21:08																
CCV 460-123339/8-A	1		21:09	X															
CCB 460-123377/68	1		21:11	X															
ZZZZZZ			21:14																
ZZZZZZ			21:16																
ZZZZZZ			21:18																
ZZZZZZ			21:20																
460-43017-E-7-J SD ^5	5	T	21:22	X															
CCV 460-123339/8-A	1		21:24	X															
CCB 460-123377/75	1		21:26	X															
ZZZZZZ			21:28																
ZZZZZZ			21:31																
ZZZZZZ			21:33																
ZZZZZZ			21:35																
ZZZZZZ			21:37																
ZZZZZZ			21:39																
ZZZZZZ			21:42																
ZZZZZZ			21:44																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-43267-1

SDG No.: _____

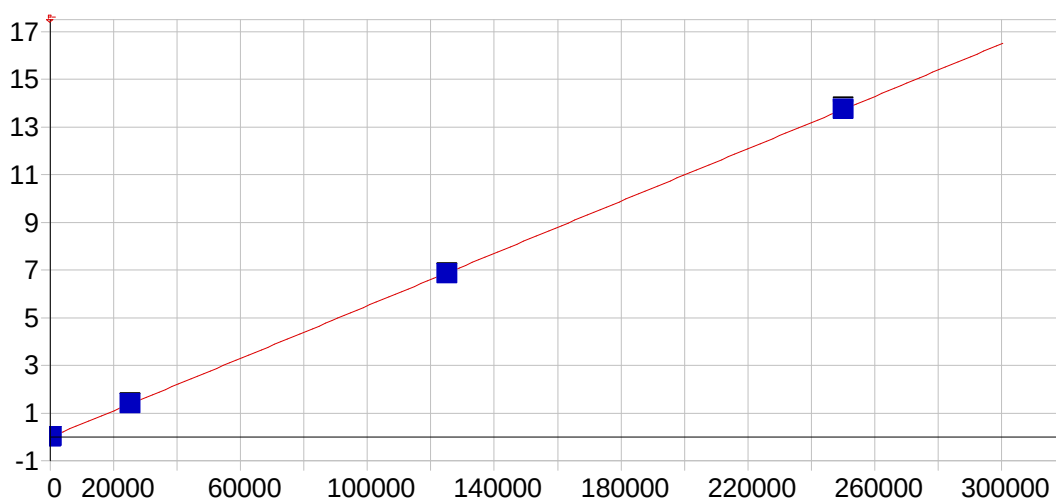
Instrument ID: LEEMAN5 Method: 7471A

Start Date: 08/09/2012 18:52 End Date: 08/09/2012 22:28

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
ZZZZZZ			21:46																		
ZZZZZZ			21:48																		
CCV 460-123339/8-A			21:50																		
CCB 460-123377/87			21:52																		
ZZZZZZ			21:54																		
ZZZZZZ			21:56																		
ZZZZZZ			21:59																		
ZZZZZZ			22:02																		
ZZZZZZ			22:04																		
ZZZZZZ			22:06																		
ZZZZZZ			22:08																		
ZZZZZZ			22:10																		
ZZZZZZ			22:11																		
ZZZZZZ			22:13																		
CCV 460-123339/8-A			22:15																		
CCB 460-123377/99			22:17																		
ZZZZZZ			22:19																		
ZZZZZZ			22:21																		
ZZZZZZ			22:24																		
CCV 460-123339/8-A			22:25																		
CCB 460-123377/104			22:28																		

Prep Types

T = Total/NA



AI 396.152 { 85}

Date of Fit: 8/10/2012 10:50:37

Type of Fit: Linear

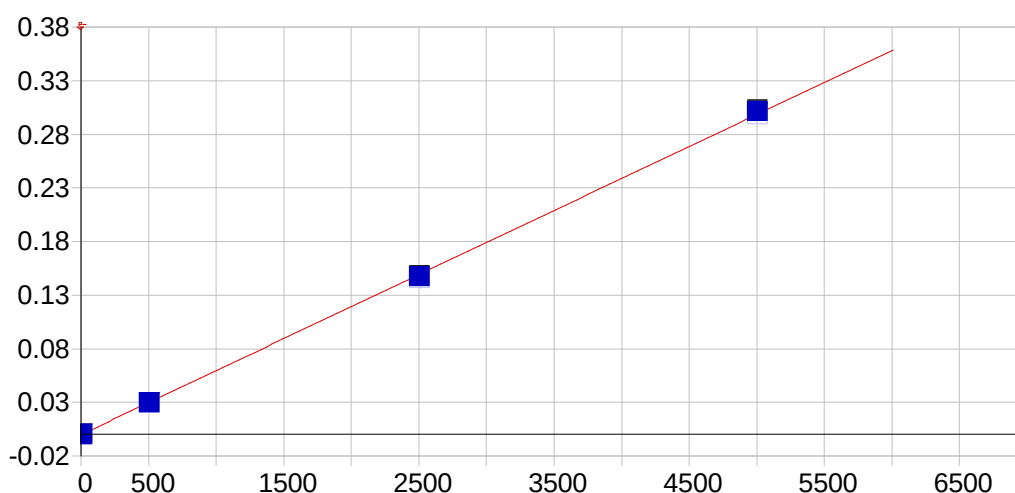
Weighting: 1/Conc

A0 (Offset): -0.000745
 A1 (Gain): 0.000055
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999986
 Std Error of Est: 0.000104
 Predicted MDL: 25.215146
 Predicted MQL: 84.050487

Re-Slope: 1.000000
 Y-int: 0.000000

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.02063	-.021	.000	-.00075	.000	1
DCAL2	200.00	217.74	17.7	8.87	.01120	.001	1
DCAL3	25000.	25447.	447.	1.79	1.3982	.006	1
DCAL4	125000.	124610.	-393.	-.314	6.8496	.005	1
DCAL5	250000.	249930.	-71.7	-.029	13.739	.078	1



As 189.042 (478)

Date of Fit: 8/10/2012 10:50:37

Type of Fit: Linear

Weighting: 1/Conc

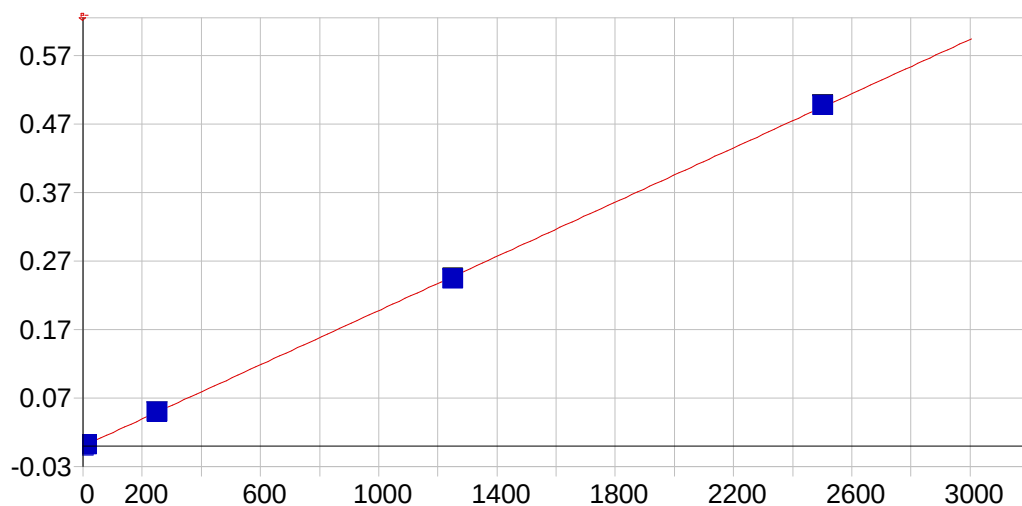
A0 (Offset): -0.000122
 A1 (Gain): 0.000060
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999918
 Std Error of Est: 0.000006

Re-Slope: 1.000000
 Y-int: 0.000000

Status: OK.

Predicted MDL: 3.113871
 Predicted MQL: 10.379570

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00116	.001	.000	-.00012	.000	1
DCAL2	5.0000	3.9296	-1.07	-21.4	.00011	.000	1
DCAL3	500.00	494.50	-5.50	-1.10	.02913	.000	1
DCAL4	2500.0	2461.5	-38.5	-1.54	.14549	.001	1
DCAL5	5000.0	5045.1	45.1	.902	.29841	.001	1

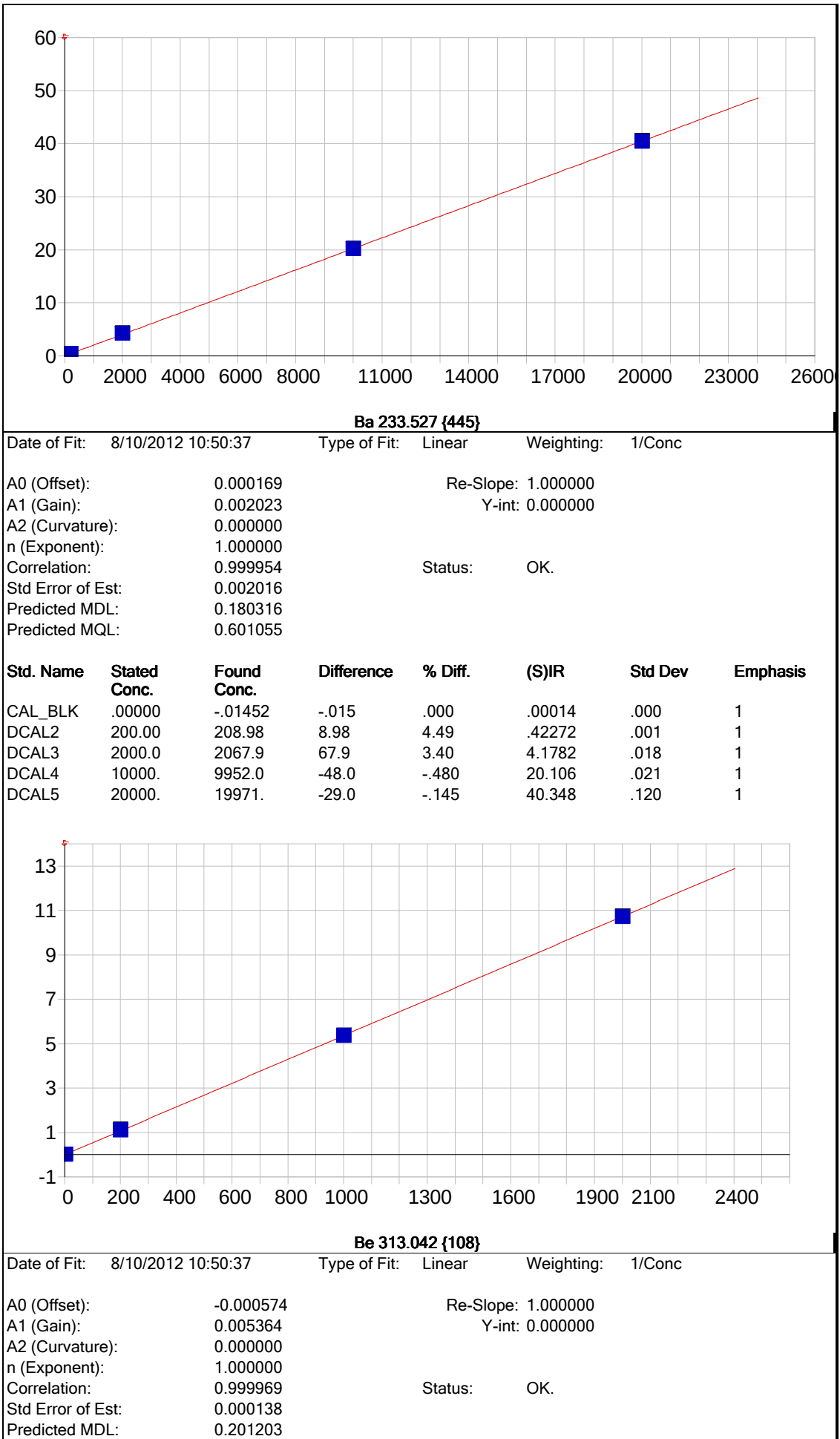


Ag 328.068 (103)

Date of Fit: 8/10/2012 10:50:37 Type of Fit: Linear Weighting: 1/Conc

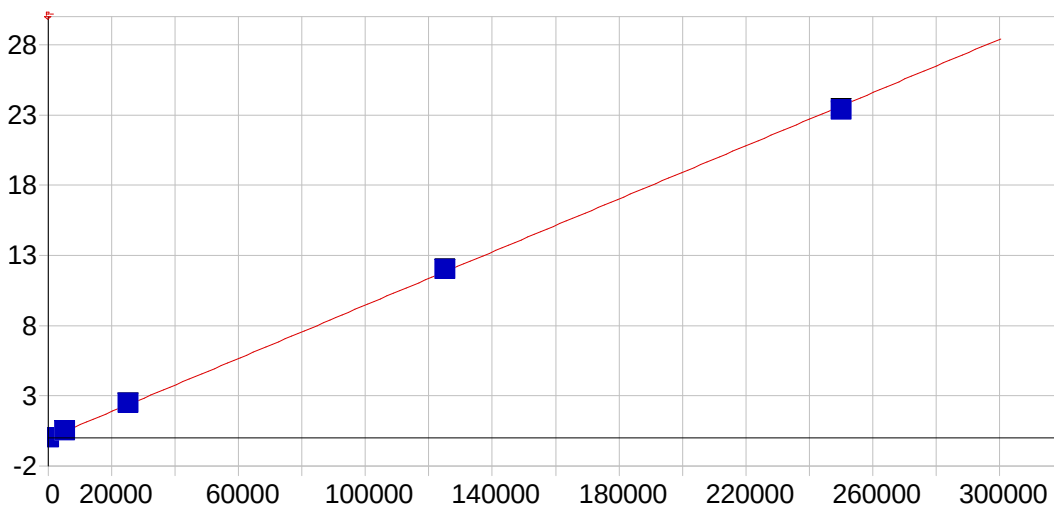
A0 (Offset): -0.000123 Re-Slope: 1.000000
 A1 (Gain): 0.000198 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999965 Status: OK.
 Std Error of Est: 0.000013
 Predicted MDL: 1.208613
 Predicted MQL: 4.028709

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00043	.000	.000	-.00012	.000	1
DCAL2	10.000	9.5906	-.409	-4.09	.00177	.000	1
DCAL3	250.00	250.96	.962	.385	.04946	.000	1
DCAL4	1250.0	1235.1	-14.9	-1.19	.24392	.000	1
DCAL5	2500.0	2514.3	14.3	.572	.49667	.001	1



Predicted MQL: 0.670677

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00010	.000	.000	-.00057	.001	1
DCAL2	2.0000	1.8477	-.152	-7.61	.00936	.001	1
DCAL3	200.00	205.82	5.82	2.91	1.1038	.010	1
DCAL4	1000.0	1000.2	.186	.019	5.3663	.010	1
DCAL5	2000.0	1994.2	-5.85	-.292	10.700	.030	1

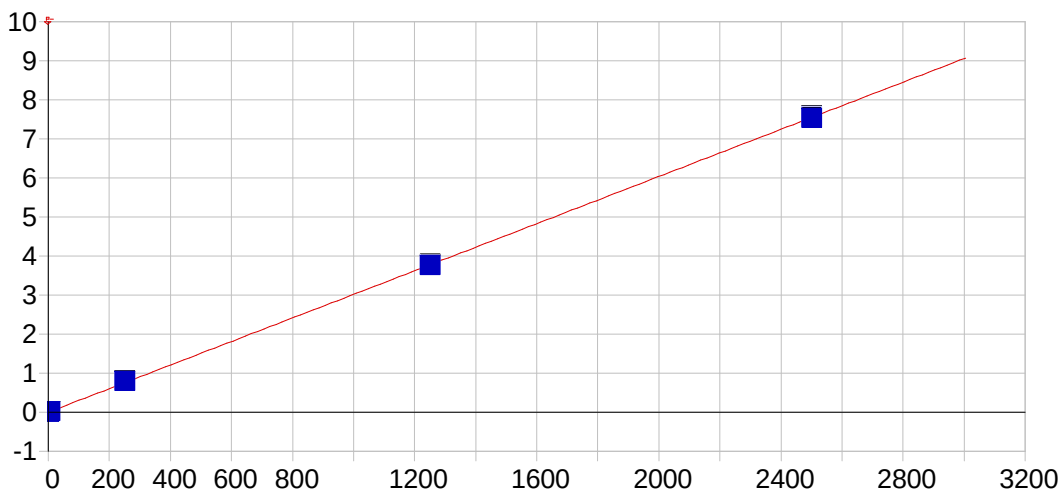


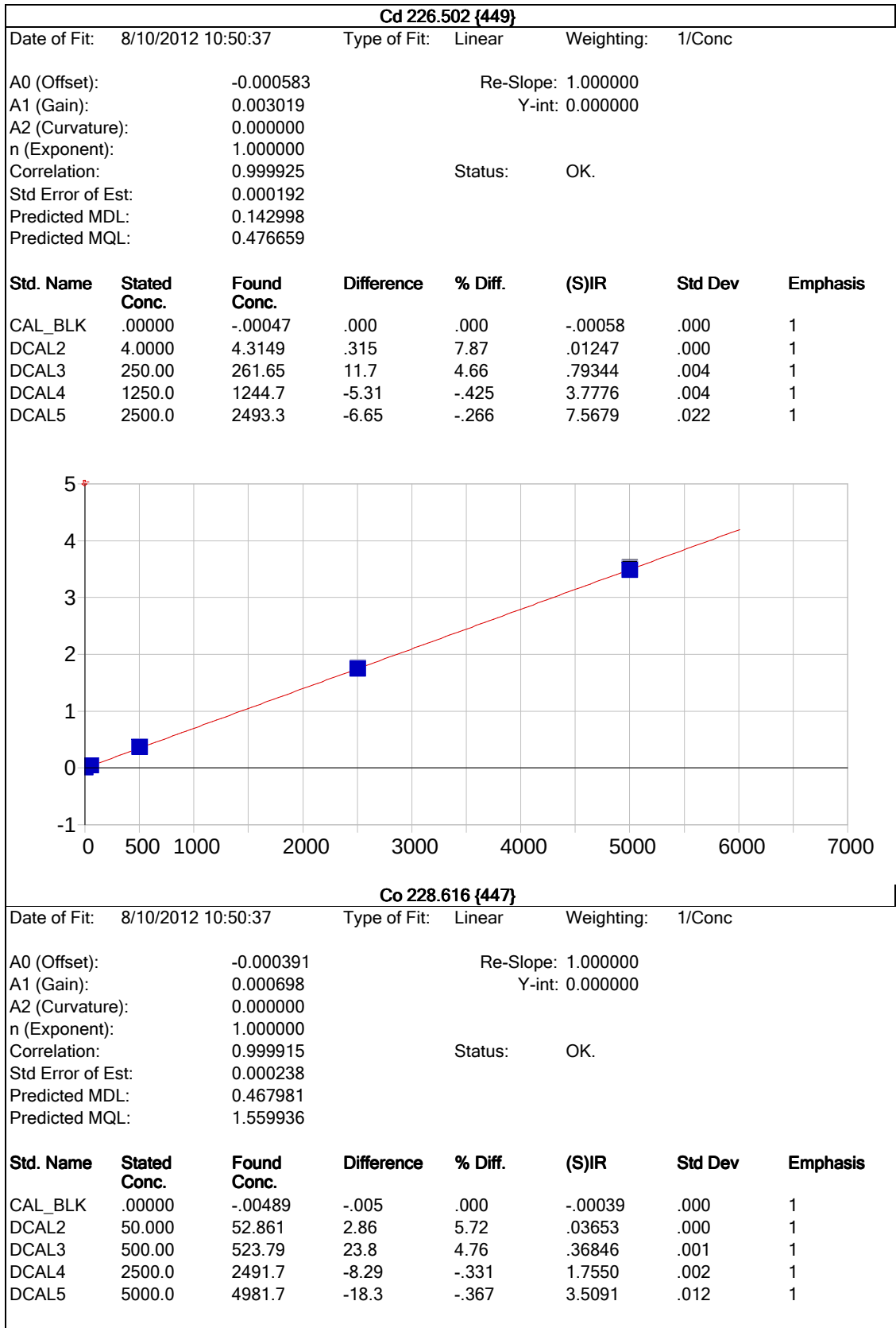
Ca 422.673 { 80}

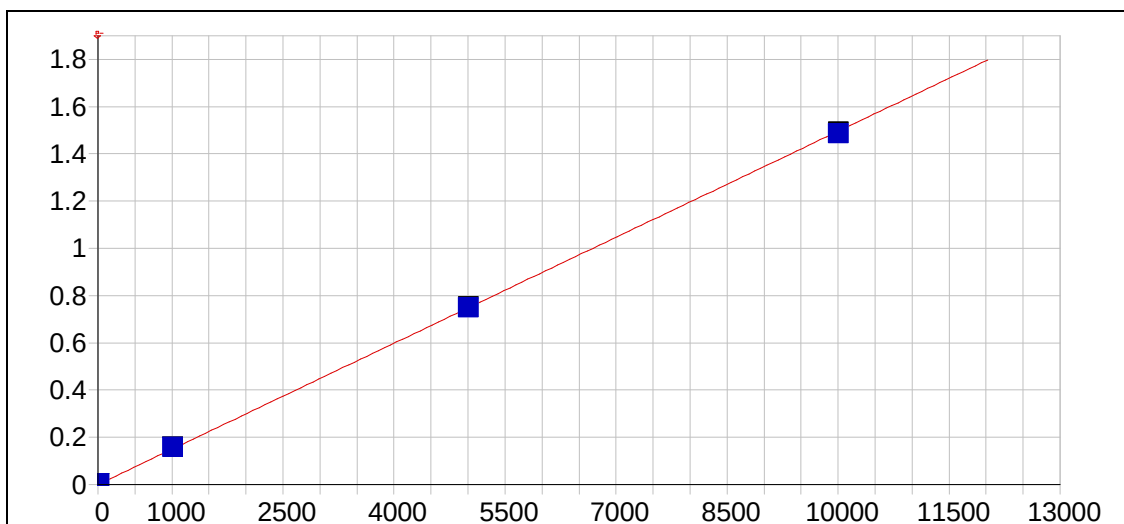
Date of Fit: 8/10/2012 10:50:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.010125 Re-Slope: 1.000000
 A1 (Gain): 0.000095 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999817 Status: OK.
 Std Error of Est: 0.003320
 Predicted MDL: 17.511102
 Predicted MQL: 58.370341

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.57359	-.574	.000	-.01018	.001	1
DCAL2	5000.0	5342.2	342.	6.84	.49539	.003	1
DCAL3	25000.	26110.	1110.	4.44	2.4606	.013	1
DCAL4	125000.	126920.	1920.	1.54	12.000	.012	1
DCAL5	250000.	246620.	-3380.	-1.35	23.327	.120	1





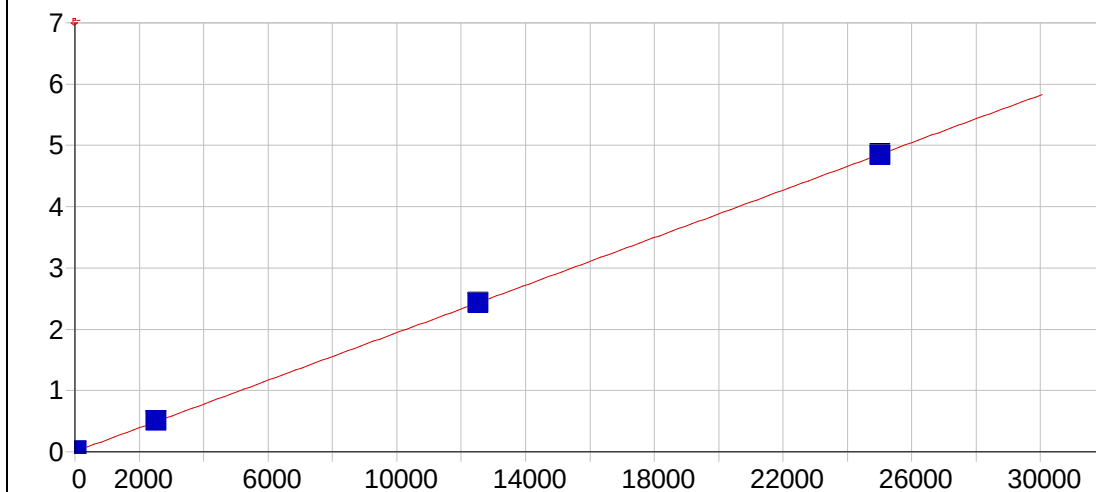


Cr 267.716 (126)

Date of Fit: 8/10/2012 10:50:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000115 Re-Slope: 1.000000
 A1 (Gain): 0.000150 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999894 Status: OK.
 Std Error of Est: 0.000036
 Predicted MDL: 0.778168
 Predicted MQL: 2.593893

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00015	.000	.000	.00011	.000	1
DCAL2	10.000	9.6545	-.346	-3.46	.00157	.000	1
DCAL3	1000.0	1054.6	54.6	5.46	.15786	.000	1
DCAL4	5000.0	5008.9	8.92	.178	.74940	.003	1
DCAL5	10000.	9936.9	-63.1	-.631	1.4866	.004	1



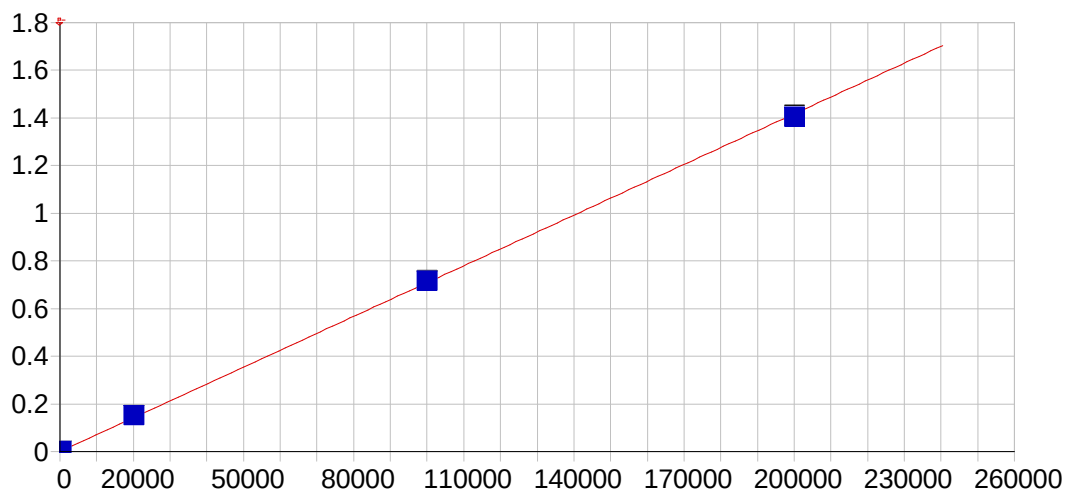
Cu 324.754 (104)

Date of Fit: 8/10/2012 10:50:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003141 Re-Slope: 1.000000
 A1 (Gain): 0.000194 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999909 Status: OK.
 Std Error of Est: 0.000064
 Predicted MDL: 5.187929

Predicted MQL: 17.293097

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00840	.008	.000	.00314	.001	1
DCAL1	10.000	4.0948	-5.91	-59.1	.00393	.000	1
DCAL2	25.000	18.138	-6.86	-27.4	.00665	.001	1
DCAL3	2500.0	2566.6	66.6	2.66	.50054	.004	1
DCAL4	12500.	12506.	6.19	.050	2.4268	.007	1
DCAL5	25000.	24940.	-60.0	-.240	4.8363	.017	1

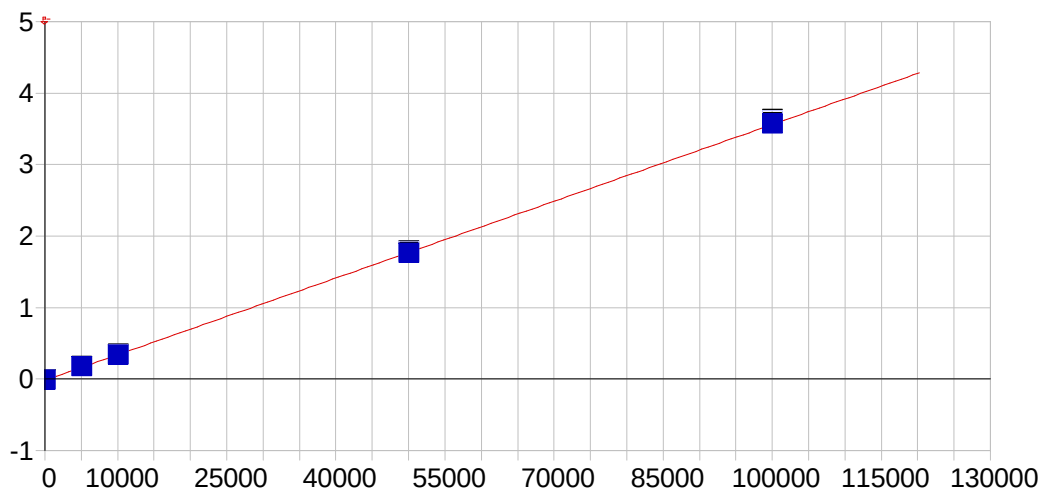


Fe 271.441 {124}

Date of Fit: 8/10/2012 10:50:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000055 Re-Slope: 1.000000
A1 (Gain): 0.000007 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999828 Status: OK.
Std Error of Est: 0.000029
Predicted MDL: 17.431438
Predicted MQL: 58.104793

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.04541	-.045	.000	.00005	.000	1
DCAL1	100.00	120.31	20.3	20.3	.00091	.000	1
DCAL2	150.00	178.88	28.9	19.3	.00136	.000	1
DCAL3	20000.	21219.	1220.	6.09	.15074	.001	1
DCAL4	100000.	100770.	766.	.766	.71574	.002	1
DCAL5	200000.	197960.	-2040.	-1.02	1.4061	.003	1

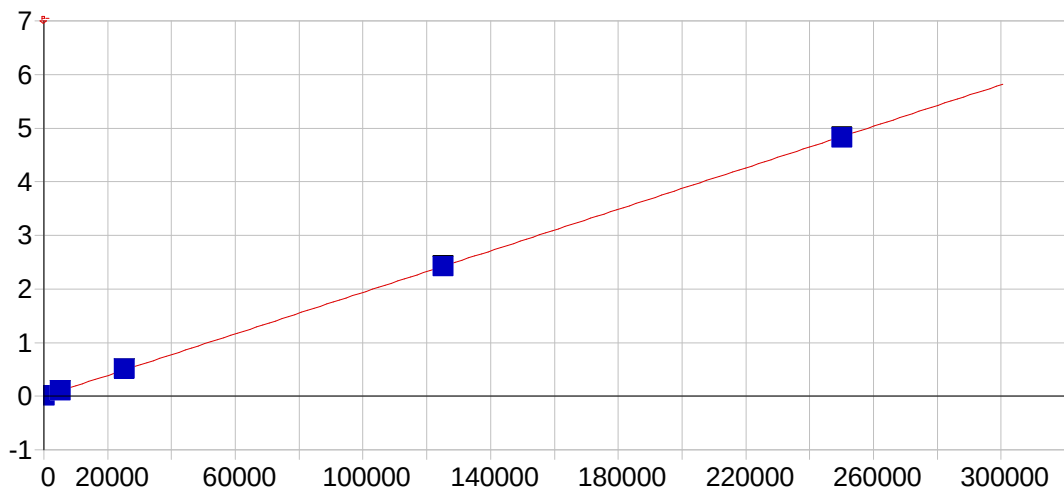


K 766.490 { 44}

Date of Fit: 8/10/2012 10:50:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.017619 Re-Slope: 1.000000
 A1 (Gain): 0.000036 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999956 Status: OK.
 Std Error of Est: 0.000400
 Predicted MDL: 79.502504
 Predicted MQL: 265.008346

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.18834	-.188	.000	-.01763	.001	1
DCAL2	5000.0	5253.1	253.	5.06	.17103	.001	1
DCAL3	10000.	9913.1	-86.9	-.869	.34170	.002	1
DCAL4	50000.	49737.	-263.	-.526	1.7851	.005	1
DCAL5	100000.	100100.	98.9	.099	3.6102	.022	1



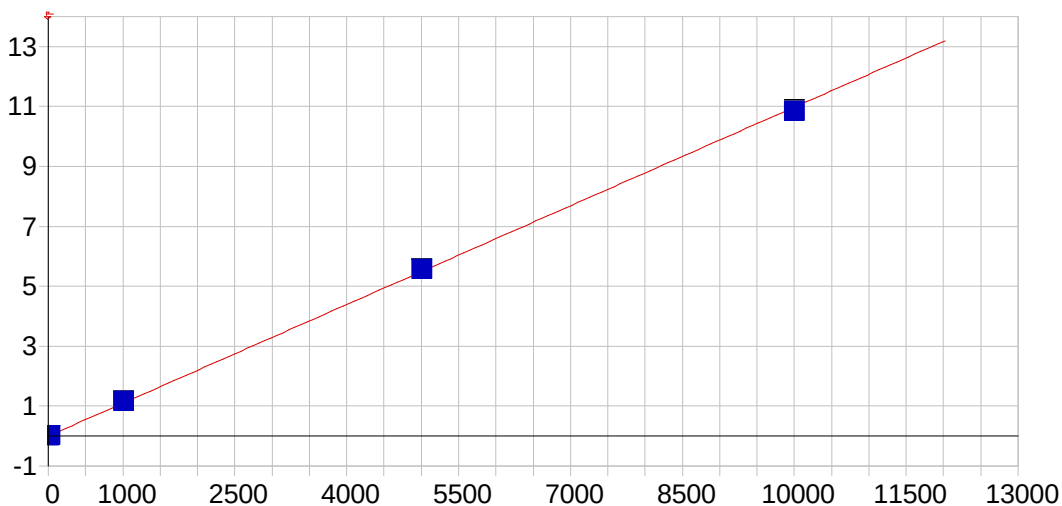
Mg 279.079 {121}

Date of Fit: 8/10/2012 10:50:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000033 Re-Slope: 1.000000
 A1 (Gain): 0.000019 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999947 Status: OK.
 Std Error of Est: 0.000366
 Predicted MDL: 6.702468

Predicted MQL: 22.341560

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.38723	-.387	.000	.00003	.000	1
DCAL2	5000.0	5246.2	246.	4.92	.10162	.000	1
DCAL3	25000.	25814.	814.	3.26	.49986	.001	1
DCAL4	125000.	124970.	-28.4	-.023	2.4199	.006	1
DCAL5	250000.	248970.	-1030.	-.413	4.8208	.010	1

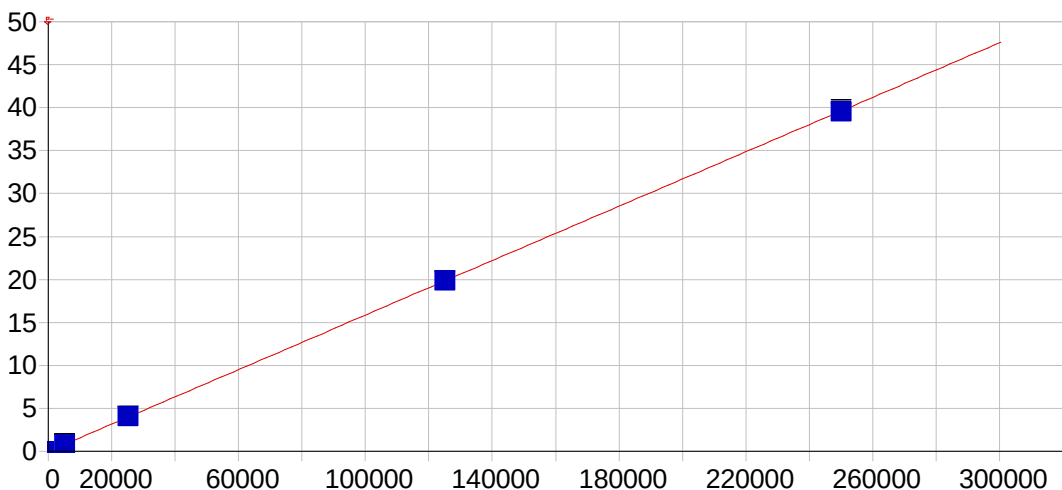


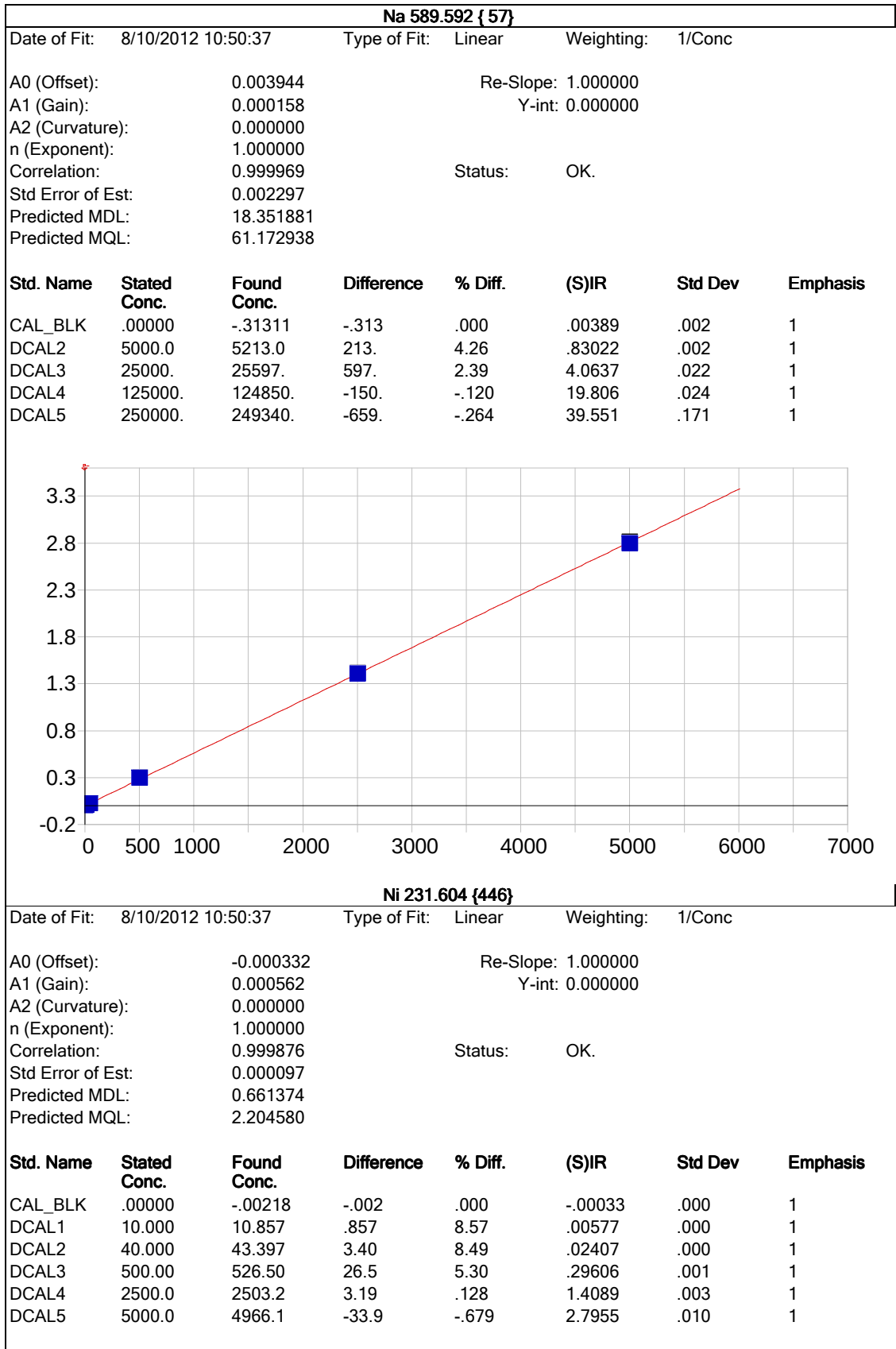
Mn 257.610 {131}

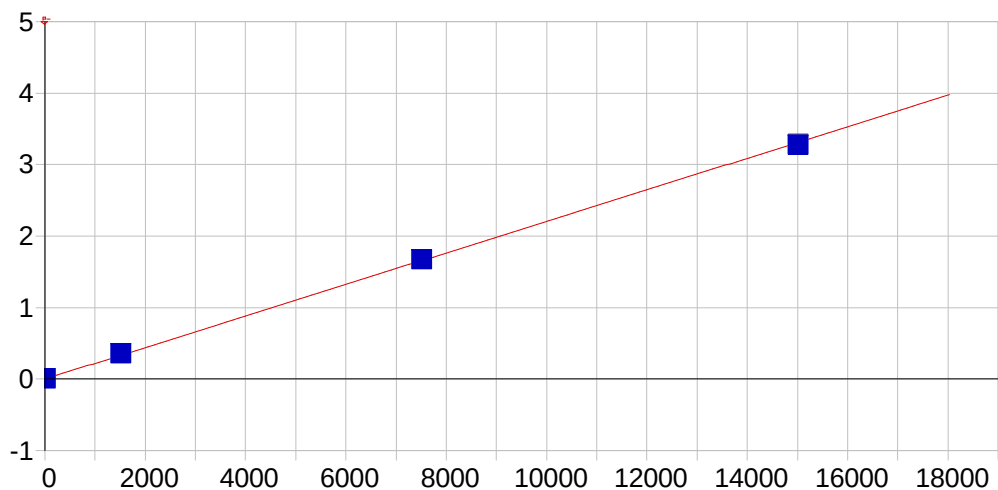
Date of Fit: 8/10/2012 10:50:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000097 Re-Slope: 1.000000
 A1 (Gain): 0.001098 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999815 Status: OK.
 Std Error of Est: 0.000422
 Predicted MDL: 0.123171
 Predicted MQL: 0.410570

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00229	-.002	.000	.00009	.000	1
DCAL2	15.000	16.431	1.43	9.54	.01814	.000	1
DCAL3	1000.0	1055.8	55.8	5.58	1.1593	.005	1
DCAL4	5000.0	5071.1	71.1	1.42	5.5677	.010	1
DCAL5	10000.	9871.6	-128.	-1.28	10.838	.039	1





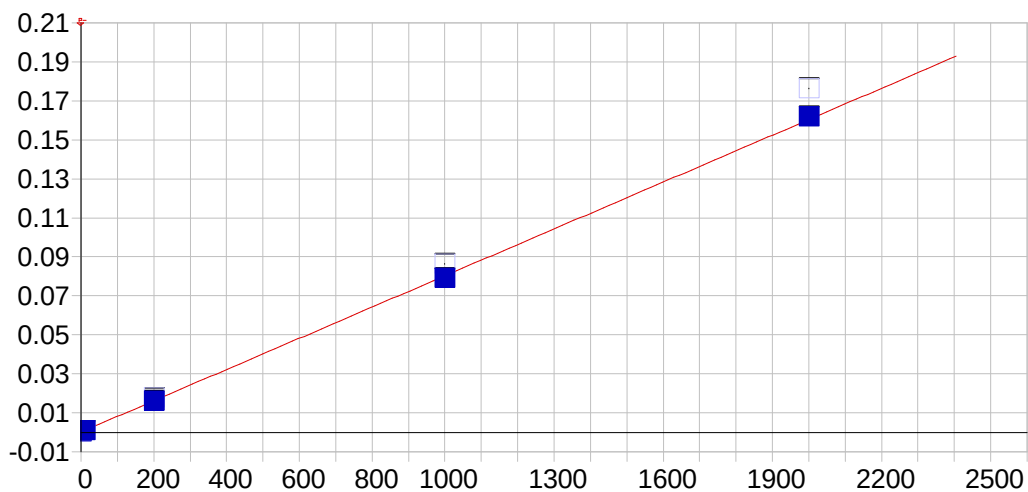


Pb 220.353 (453)

Date of Fit: 8/10/2012 10:50:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000141 Re-Slope: 1.000000
 A1 (Gain): 0.000221 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999803 Status: OK.
 Std Error of Est: 0.000062
 Predicted MDL: 1.878705
 Predicted MQL: 6.262351

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00232	-.002	.000	-.00014	.000	1
DCAL2	5.0000	7.0084	2.01	40.2	.00142	.000	1
DCAL3	1500.0	1597.6	97.6	6.51	.35170	.002	1
DCAL4	7500.0	7562.4	62.4	.833	1.6652	.002	1
DCAL5	15000.	14838.	-162.	-1.08	3.2672	.006	1



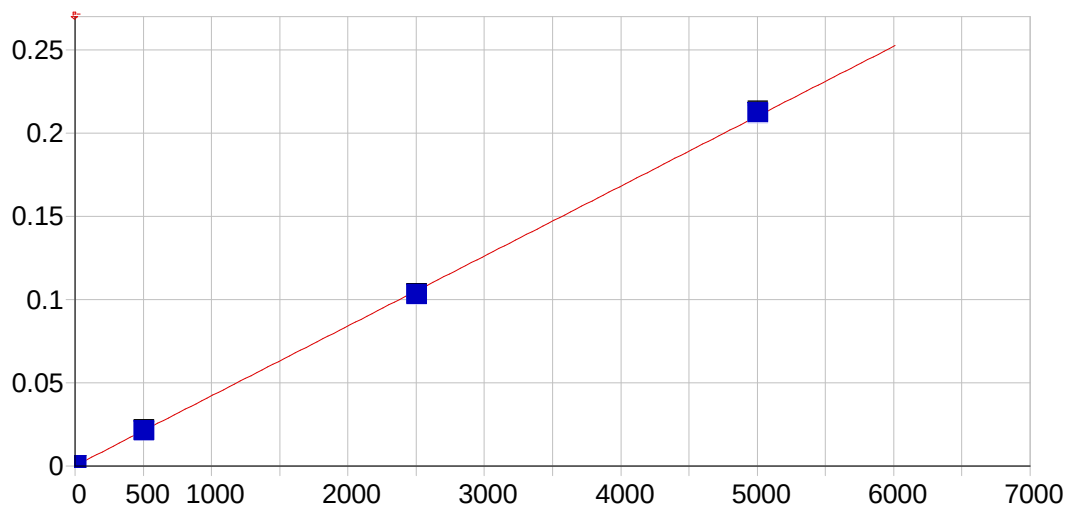
Sb 206.833 (463)

Date of Fit: 8/10/2012 10:50:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000142 Re-Slope: 1.000000
 A1 (Gain): 0.000080 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999905 Status: OK.
 Std Error of Est: 0.000009
 Predicted MDL: 3.326377

Predicted MQL: 11.087925

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00198	.002	.000	.00014	.000	1
DCAL2	10.000	8.1404	-1.86	-18.6	.00080	.000	1
DCAL3	200.00	198.85	-1.15	-.573	.01752	.000	1
DCAL4	1000.0	985.25	-14.7	-1.47	.08633	.000	1
DCAL5	2000.0	2017.6	17.6	.881	.17630	.000	1

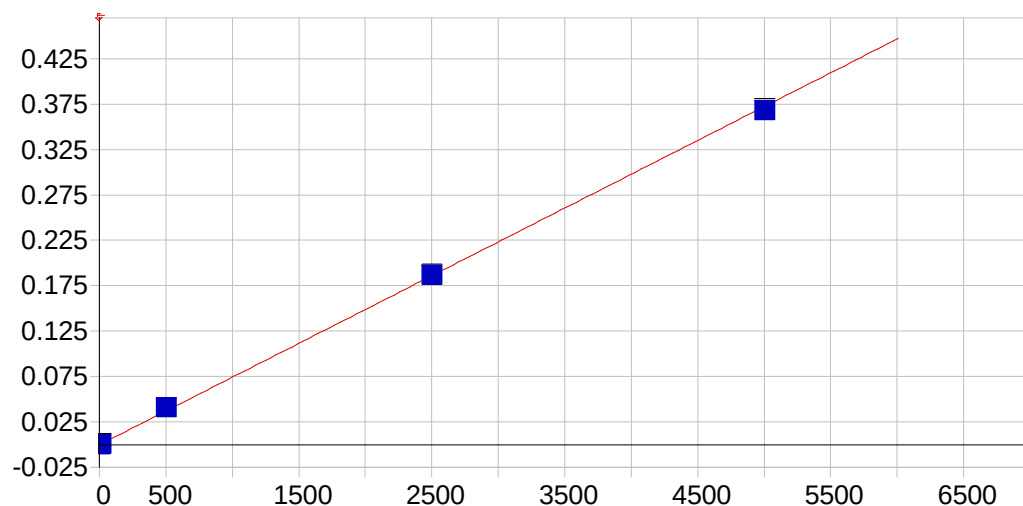


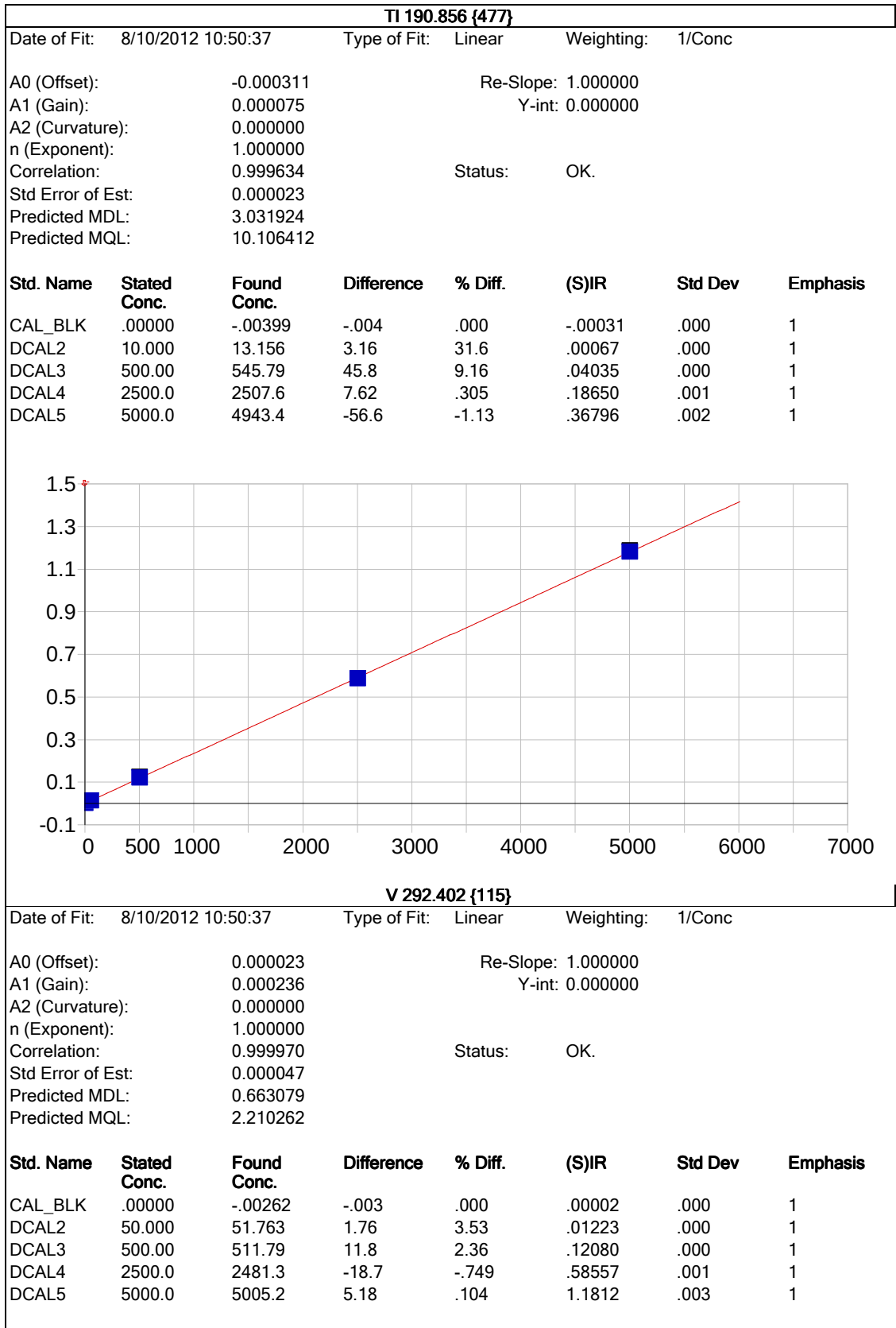
Se 196.090 {472}

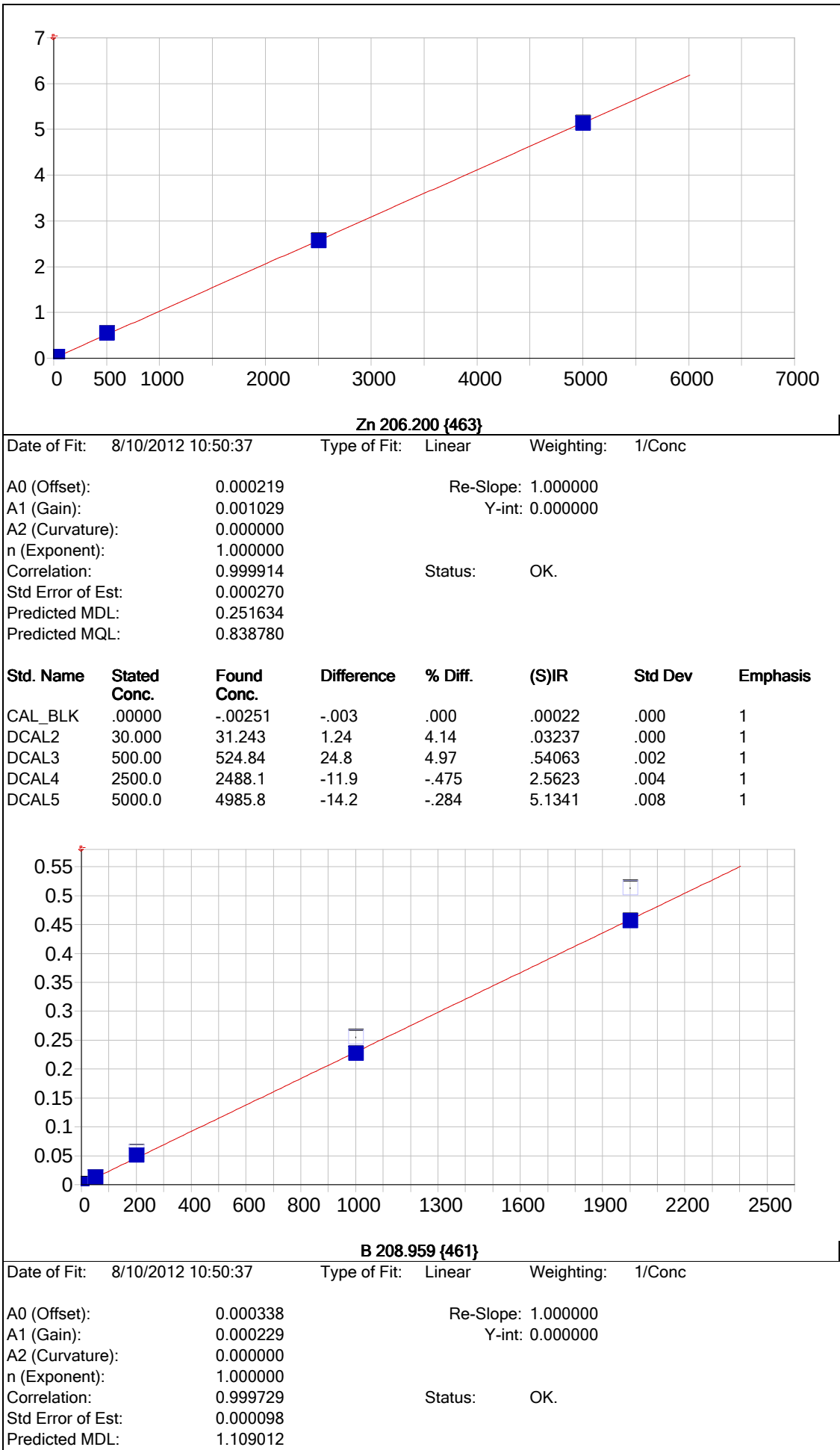
Date of Fit: 8/10/2012 10:50:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000177 Re-Slope: 1.000000
A1 (Gain): 0.000042 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999640 Status: OK.
Std Error of Est: 0.000009
Predicted MDL: 5.092627
Predicted MQL: 16.975423

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00463	.005	.000	.00018	.000	1
DCAL2	5.0000	.42004	-4.58	-91.6	.00019	.000	1
DCAL3	500.00	499.04	-.958	-.192	.02103	.000	1
DCAL4	2500.0	2451.7	-48.3	-1.93	.10263	.000	1
DCAL5	5000.0	5053.8	53.8	1.08	.21140	.001	1

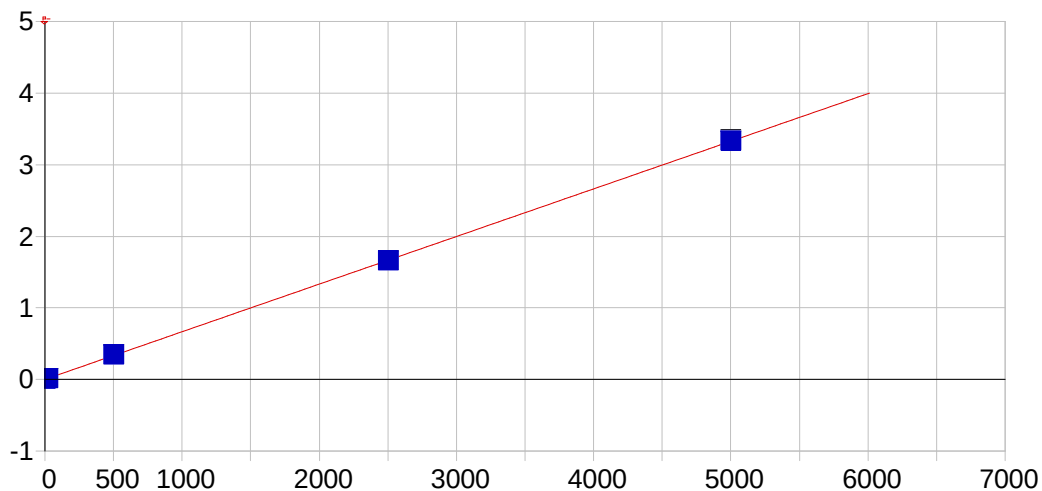






Predicted MQL: 3.696707

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00610	-.006	.000	.00034	.000	1
DCAL2	50.000	52.011	2.01	4.02	.01247	.000	1
DCAL3	200.00	219.72	19.7	9.86	.05633	.000	1
DCAL4	1000.0	987.82	-12.2	-1.22	.25491	.001	1
DCAL5	2000.0	1990.6	-9.37	-.469	.51291	.001	1

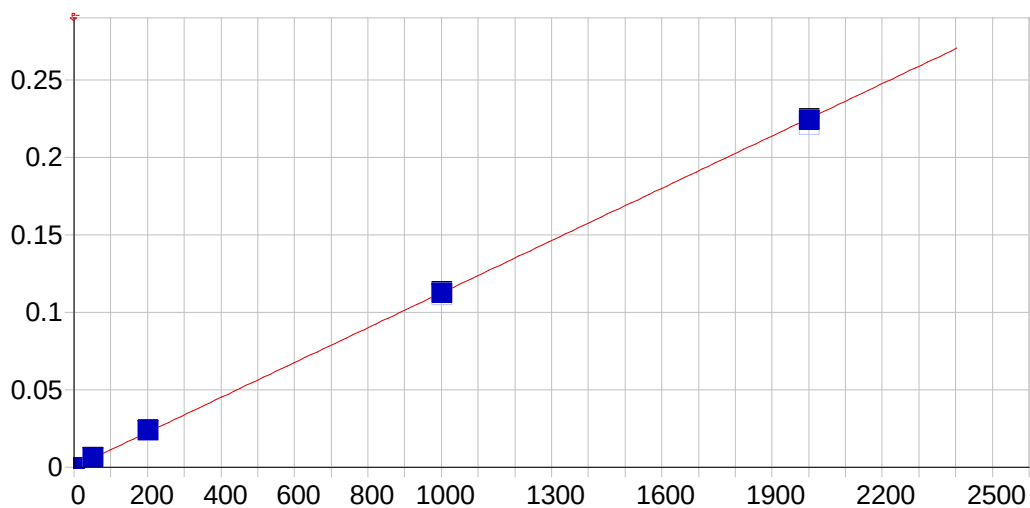


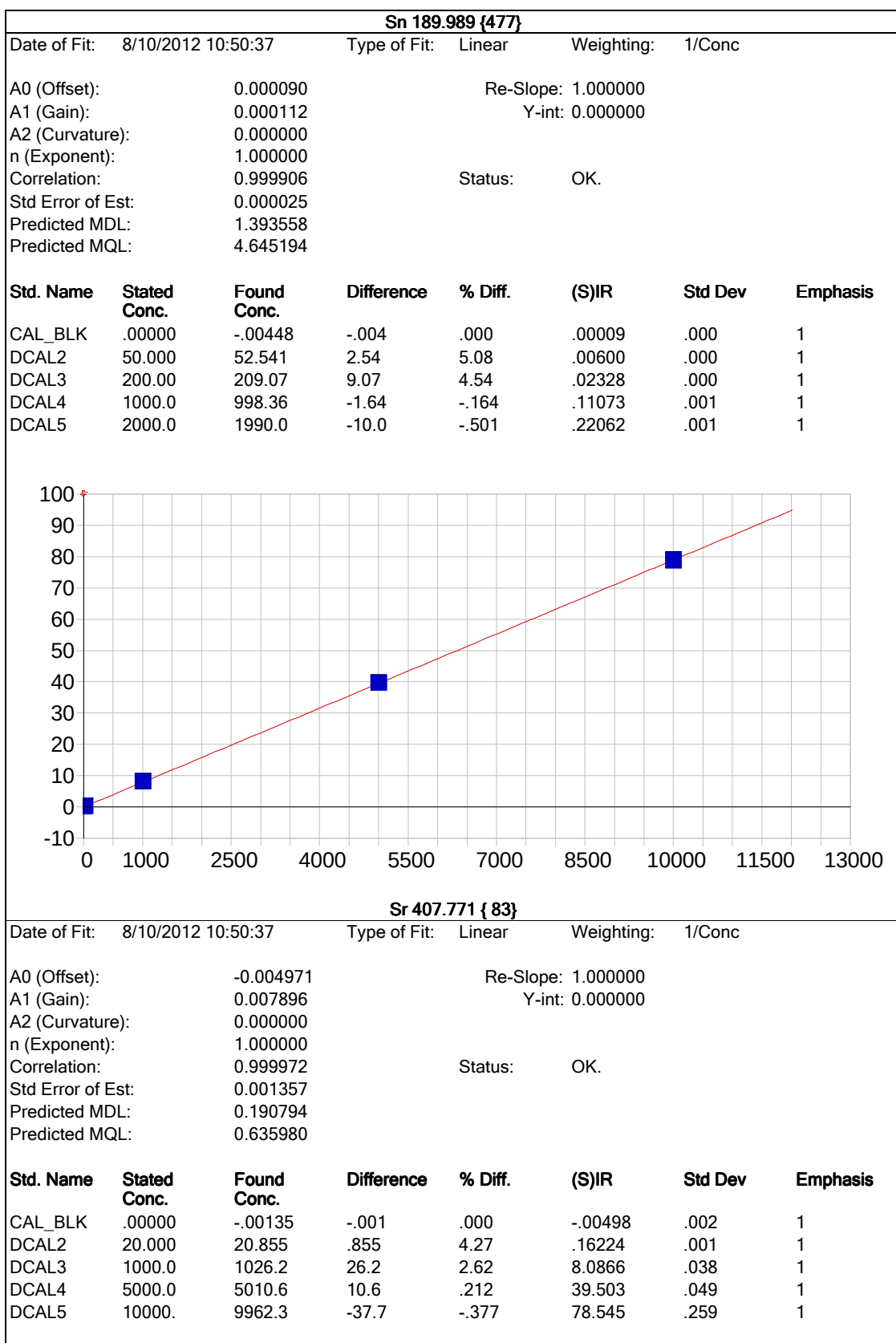
Mo 202.030 (467)

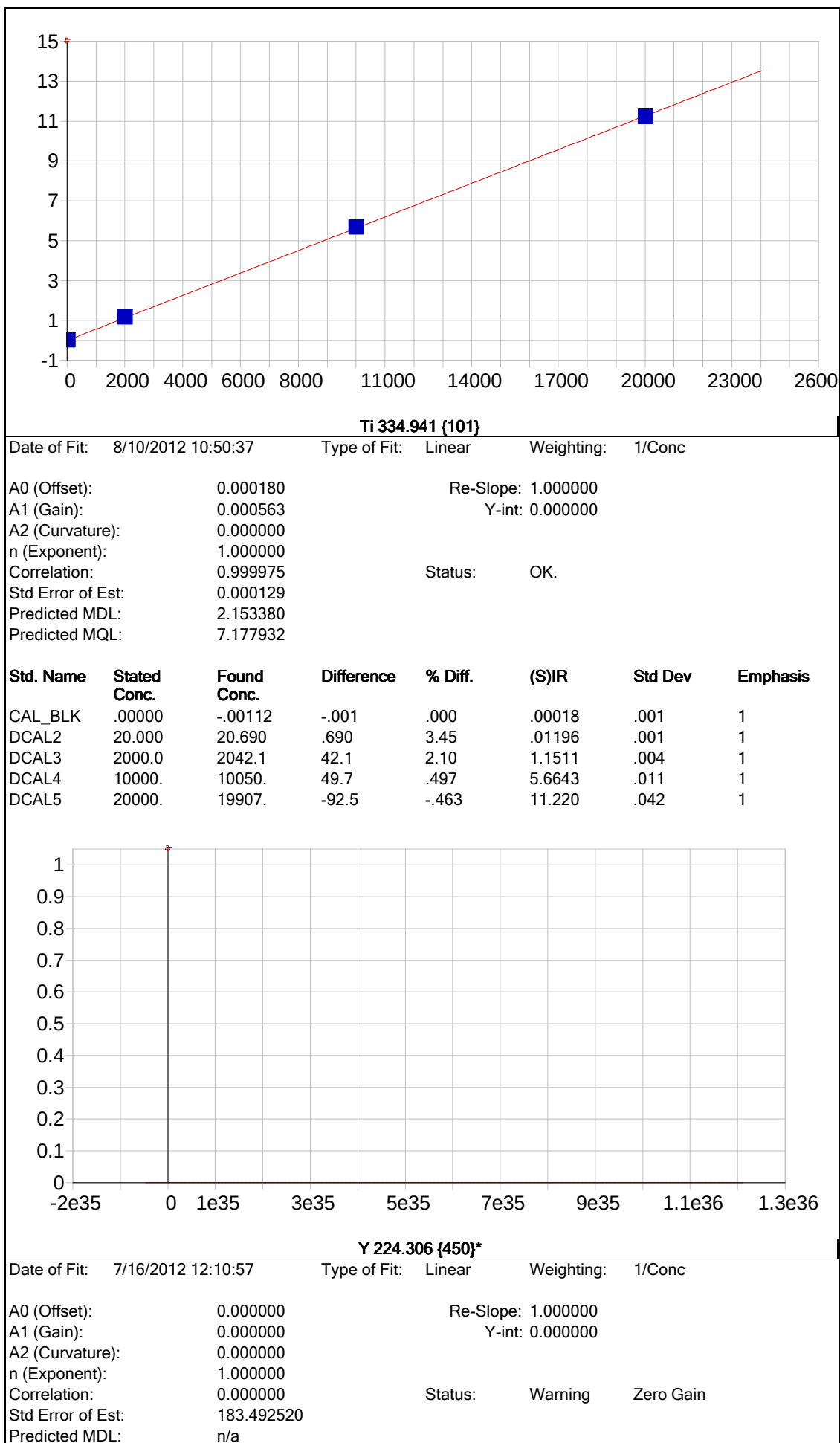
Date of Fit: 8/10/2012 10:50:37 Type of Fit: Linear Weighting: 1/Conc

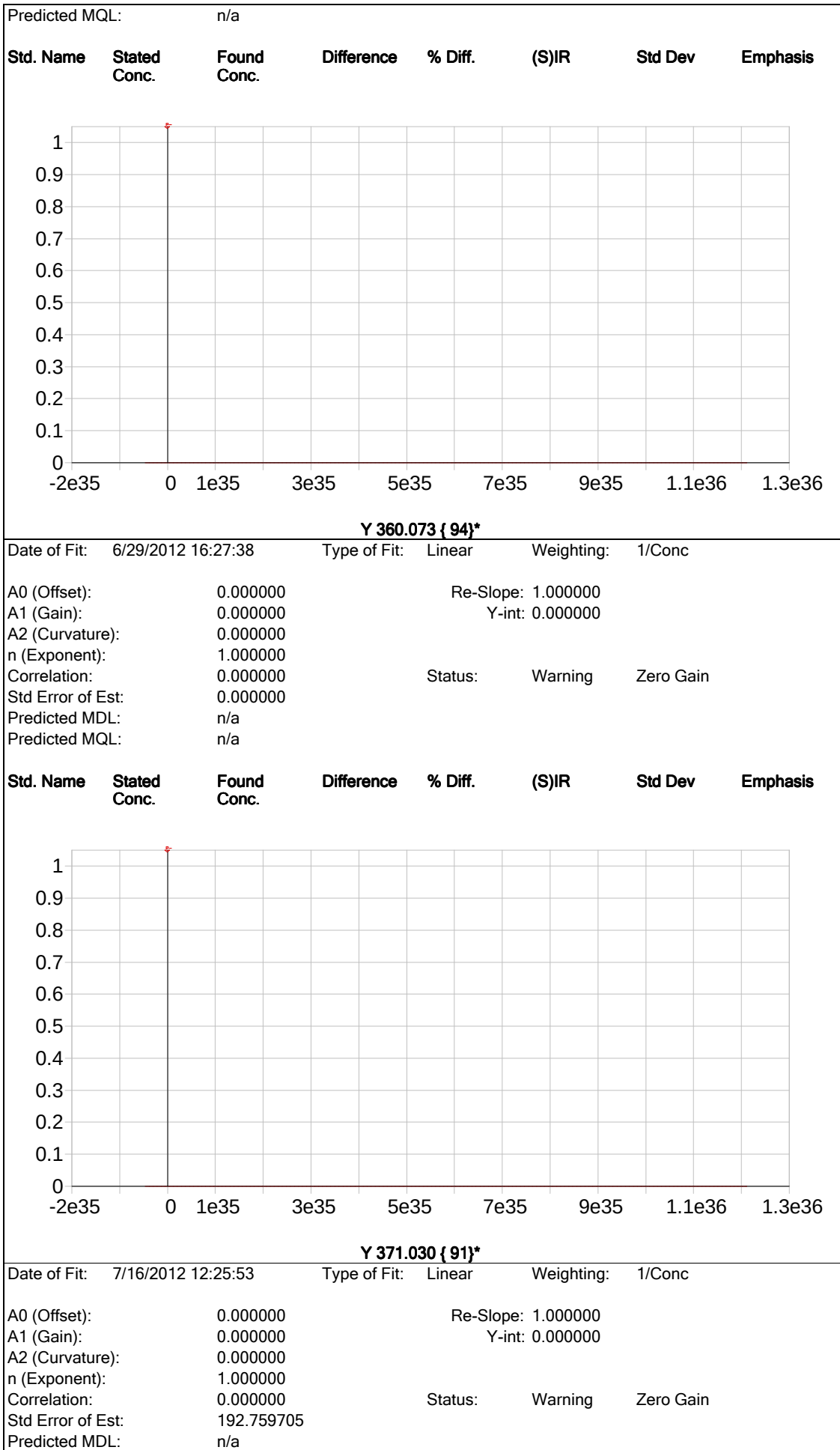
A0 (Offset): -0.000497 Re-Slope: 1.000000
 A1 (Gain): 0.000665 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999983 Status: OK.
 Std Error of Est: 0.000063
 Predicted MDL: 0.414103
 Predicted MQL: 1.380343

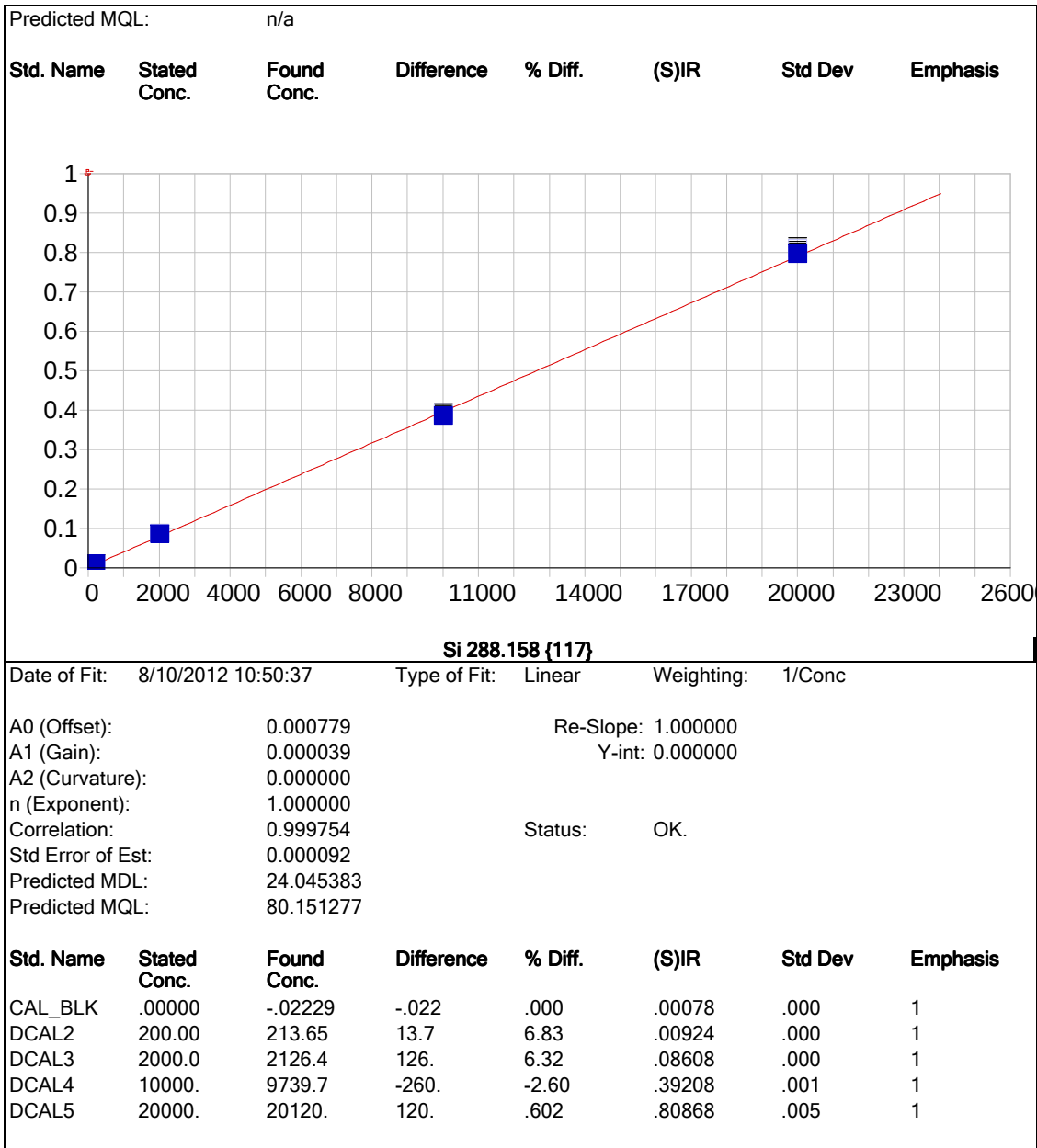
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00050	.000	.000	-.00050	.000	1
DCAL2	20.000	20.220	.220	1.10	.01301	.000	1
DCAL3	500.00	509.40	9.40	1.88	.33901	.001	1
DCAL4	2500.0	2485.3	-14.7	-.586	1.6561	.002	1
DCAL5	5000.0	5005.0	5.03	.101	3.3354	.012	1











Sample Name: CAL_BLK Acquired: 8/10/2012 10:29:08 Type: Cal
Method: SW8460080712(v2) 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	-.0007	-.0001	-.0001	.0001	-.0006	-.0102
Stddev	.0004	.0001	.0001	.0001	.0007	.0015
%RSD	57.33	81.14	79.45	72.14	122.4	14.37

#1	-.0006	-.0001	-.0001	.0003	-.0008	-.0112
#2	-.0004	-.0002	-.0002	.0001	-.0011	-.0085
#3	-.0012	.0000	.0000	.0001	.0002	-.0108

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	-.0006	-.0004	.0001	.0031	.0001	-.0176
Stddev	.0003	.0003	.0000	.0010	.0000	.0012
%RSD	56.22	82.15	30.02	32.42	85.90	6.845

#1	-.0002	-.0004	.0001	.0022	.0000	-.0164
#2	-.0007	-.0007	.0001	.0030	.0000	-.0188
#3	-.0008	-.0001	.0002	.0042	.0001	-.0177

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	.0039	-.0003	-.0001	.0001
Stddev	.0001	.0002	.0022	.0001	.0002	.0002
%RSD	356.4	169.2	57.37	31.95	138.1	119.5

#1	.0001	.0000	.0036	-.0003	-.0004	.0000
#2	.0000	.0003	.0063	-.0004	.0000	.0003
#3	-.0001	.0000	.0018	-.0002	-.0001	.0001

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	-.0003	.0000	.0002	.0003	-.0005
Stddev	.0000	.0002	.0001	.0000	.0001	.0001
%RSD	10.38	61.76	428.2	22.41	42.88	29.33

#1	.0002	-.0002	-.0001	.0003	.0005	-.0007
#2	.0002	-.0002	.0001	.0002	.0002	-.0005
#3	.0002	-.0005	.0000	.0002	.0004	-.0004

Sample Name: CAL_BLK Acquired: 8/10/2012 10:29:08 Type: Cal
Method: SW8460080712(v2) Mode: IR 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	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	-.0050	.0002	.0008
Stddev	.0001	.0018	.0007	.0003
%RSD	57.90	36.72	367.2	41.05

#1	.0001	-.0062	-.0006	.0005
#2	.0001	-.0059	.0006	.0011
#3	.0000	-.0029	.0005	.0008

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	2389.9	26794.	2501.1
Stddev	3.9	50.	10.4
%RSD	.16157	.18568	.41680

#1	2388.6	26846.	2500.8
#2	2394.3	26747.	2490.8
#3	2386.9	26790.	2511.6

Sample Name: DCAL1 Acquired: 8/10/2012 10:32:52 Type: Cal
Method: SW8460080712(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu3247	Fe2714	Ni2316
Line	324.754 {104}	271.441 {124}	231.604 {446}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S
Avg	.0039	.0009	.0058
Stddev	.0005	.0001	.0003
%RSD	11.62	6.671	4.427

#1	.0034	.0008	.0058
#2	.0043	.0009	.0055
#3	.0040	.0010	.0060

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	2346.7	26377.	2461.8
Stddev	5.2	61.	16.3
%RSD	.22135	.23147	.66357

#1	2341.3	26350.	2444.4
#2	2347.1	26334.	2476.9
#3	2351.7	26447.	2464.1

Sample Name: DCAL2 Acquired: 8/10/2012 10:36:42 Type: Cal
Method: SW8460080712(v2) 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	.0112	.0001	.0018	.4227	.0094	.4954
Stddev	.0008	.0000	.0002	.0006	.0006	.0026
%RSD	7.060	39.61	13.26	.1362	6.092	.5309

#1	.0119	.0001	.0015	.4221	.0100	.4983
#2	.0114	.0001	.0019	.4233	.0090	.4948
#3	.0103	.0001	.0019	.4228	.0090	.4931

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	.0125	.0365	.0016	.0067	.0014	.1710
Stddev	.0002	.0002	.0000	.0009	.0000	.0008
%RSD	1.352	.6098	2.482	13.41	3.376	.4646

#1	.0127	.0367	.0016	.0063	.0013	.1711
#2	.0124	.0363	.0015	.0077	.0014	.1718
#3	.0124	.0366	.0016	.0060	.0013	.1702

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	.1016	.0181	.8302	.0241	.0014	.0008
Stddev	.0002	.0001	.0023	.0003	.0002	.0002
%RSD	.1613	.5254	.2763	1.431	11.07	20.85

#1	.1014	.0180	.8326	.0238	.0016	.0010
#2	.1017	.0181	.8300	.0240	.0014	.0006
#3	.1017	.0182	.8281	.0244	.0013	.0008

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	.0007	.0122	.0324	.0125	.0130
Stddev	.0001	.0002	.0001	.0003	.0001	.0003
%RSD	35.55	24.47	.9047	.7921	.5563	2.119

#1	.0002	.0007	.0124	.0323	.0126	.0127
#2	.0001	.0008	.0122	.0326	.0124	.0131
#3	.0002	.0005	.0122	.0321	.0124	.0132

Sample Name: DCAL2 Acquired: 8/10/2012 10:36:42 Type: Cal
Method: SW8460080712(v2) Mode: IR 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	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0060	.1622	.0120	.0092
Stddev	.0001	.0009	.0005	.0004
%RSD	1.930	.5724	4.587	4.236

#1	.0060	.1616	.0123	.0094
#2	.0059	.1618	.0123	.0095
#3	.0061	.1633	.0113	.0088

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	2398.9	26752.	2521.0
Stddev	3.6	29.	8.2
%RSD	.15212	.10909	.32504

#1	2396.3	26736.	2523.8
#2	2403.1	26786.	2511.8
#3	2397.5	26734.	2527.4

Sample Name: DCAL3 Acquired: 8/10/2012 10:40:24 Type: Cal
Method: SW8460080712(v2) 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	1.398	.0291	.0495	4.178	1.104	2.461
Stddev	.005	.0003	.0002	.018	.010	.013
%RSD	.3937	1.006	.3515	.4415	.8666	.5127

#1	1.393	.0295	.0493	4.198	1.093	2.446
#2	1.404	.0290	.0495	4.175	1.108	2.468
#3	1.398	.0289	.0496	4.162	1.110	2.468

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	.7934	.3685	.1579	.5005	.1507	.3417
Stddev	.0041	.0014	.0005	.0038	.0007	.0018
%RSD	.5111	.3723	.3052	.7658	.4458	.5261

#1	.7979	.3700	.1573	.4966	.1502	.3414
#2	.7926	.3677	.1582	.5042	.1515	.3401
#3	.7899	.3676	.1580	.5008	.1505	.3436

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	.4999	1.159	4.064	.2961	.3517	.0175
Stddev	.0013	.005	.022	.0012	.0019	.0001
%RSD	.2590	.4352	.5313	.4130	.5327	.3714

#1	.4984	1.154	4.040	.2973	.3538	.0175
#2	.5009	1.162	4.083	.2961	.3512	.0176
#3	.5002	1.162	4.068	.2948	.3501	.0175

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	.0210	.0403	.1208	.5406	.0563	.3390
Stddev	.0003	.0003	.0002	.0022	.0001	.0011
%RSD	1.646	.6833	.1840	.4005	.2438	.3365

#1	.0214	.0407	.1206	.5431	.0563	.3401
#2	.0207	.0402	.1210	.5395	.0562	.3391
#3	.0209	.0402	.1208	.5393	.0565	.3378

Sample Name: DCAL3 Acquired: 8/10/2012 10:40:24 Type: Cal
Method: SW8460080712(v2) Mode: IR 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	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0233	8.087	1.151	.0861
Stddev	.0003	.038	.004	.0003
%RSD	1.108	.4693	.3711	.3121

#1	.0235	8.045	1.148	.0861
#2	.0233	8.120	1.156	.0864
#3	.0230	8.095	1.150	.0858

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	2356.5	26308.	2522.0
Stddev	5.6	128.	10.4
%RSD	.23775	.48541	.41309

#1	2350.1	26358.	2531.3
#2	2360.4	26163.	2510.8
#3	2358.9	26403.	2524.0

Sample Name: DCAL4 Acquired: 8/10/2012 10:43:52 Type: Cal
Method: SW8460080712(v2) 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	6.850	.1455	.2439	20.11	5.366	12.00
Stddev	.005	.0006	.0002	.02	.010	.01
%RSD	.0765	.4161	.0800	.1061	.1904	.1017

#1	6.854	.1461	.2441	20.11	5.376	12.01
#2	6.844	.1456	.2440	20.13	5.356	11.99
#3	6.850	.1449	.2437	20.08	5.367	12.01

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	3.778	1.755	.7494	2.427	.7157	1.785
Stddev	.004	.002	.0026	.007	.0017	.005
%RSD	.0969	.1393	.3490	.2797	.2372	.2736

#1	3.780	1.757	.7522	2.435	.7171	1.780
#2	3.780	1.756	.7490	2.422	.7163	1.789
#3	3.773	1.752	.7470	2.424	.7138	1.786

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	2.420	5.568	19.81	1.409	1.665	.0863
Stddev	.006	.010	.02	.003	.002	.0001
%RSD	.2387	.1870	.1218	.1862	.1151	.0655

#1	2.426	5.580	19.81	1.410	1.665	.0863
#2	2.417	5.563	19.78	1.411	1.667	.0863
#3	2.416	5.561	19.83	1.406	1.663	.0864

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	.1026	.1865	.5856	2.562	.2549	1.656
Stddev	.0001	.0008	.0006	.004	.0006	.002
%RSD	.1231	.4289	.1061	.1552	.2197	.1193

#1	.1025	.1866	.5863	2.563	.2546	1.655
#2	.1027	.1873	.5854	2.566	.2546	1.658
#3	.1027	.1857	.5850	2.558	.2556	1.654

Sample Name: DCAL4 Acquired: 8/10/2012 10:43:52 Type: Cal
Method: SW8460080712(v2) Mode: IR 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	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1107	39.50	5.664	.3921
Stddev	.0006	.05	.011	.0011
%RSD	.5660	.1240	.1943	.2715

#1	.1108	39.55	5.676	.3916
#2	.1113	39.46	5.655	.3913
#3	.1101	39.50	5.661	.3933

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	2191.3	24708.	2433.0
Stddev	2.4	147.	7.1
%RSD	.10840	.59406	.29155

#1	2190.9	24593.	2434.5
#2	2193.8	24659.	2425.2
#3	2189.1	24874.	2439.1

Sample Name: DCAL5 Acquired: 8/10/2012 10:47:14 Type: Cal
Method: SW8460080712(v2) 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	13.74	.2984	.4967	40.35	10.70	23.33
Stddev	.08	.0011	.0008	.12	.03	.12
%RSD	.5678	.3572	.1605	.2970	.2841	.5159

#1	13.65	.2989	.4967	40.37	10.66	23.19
#2	13.80	.2991	.4975	40.46	10.72	23.38
#3	13.76	.2972	.4959	40.22	10.72	23.41

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	7.568	3.509	1.487	4.836	1.406	3.610
Stddev	.022	.012	.004	.017	.003	.022
%RSD	.2924	.3289	.2478	.3546	.2249	.6011

#1	7.569	3.513	1.486	4.817	1.405	3.585
#2	7.590	3.518	1.490	4.848	1.410	3.623
#3	7.545	3.496	1.483	4.845	1.403	3.623

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	4.821	10.84	39.55	2.796	3.267	.1763
Stddev	.010	.04	.17	.011	.006	.0002
%RSD	.2078	.3581	.4324	.3754	.1981	.1173

#1	4.820	10.83	39.37	2.802	3.269	.1763
#2	4.831	10.88	39.71	2.801	3.273	.1761
#3	4.811	10.80	39.58	2.783	3.260	.1765

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	.2114	.3680	1.181	5.134	.5129	3.335
Stddev	.0007	.0016	.003	.008	.0008	.012
%RSD	.3270	.4267	.2696	.1634	.1550	.3562

#1	.2113	.3680	1.181	5.137	.5126	3.336
#2	.2121	.3695	1.185	5.141	.5138	3.347
#3	.2108	.3664	1.178	5.125	.5123	3.323

Sample Name: DCAL5 Acquired: 8/10/2012 10:47:14 Type: Cal
Method: SW8460080712(v2) Mode: IR 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	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2206	78.54	11.22	.8087
Stddev	.0008	.26	.04	.0049
%RSD	.3413	.3300	.3732	.6050

#1	.2202	78.26	11.18	.8097
#2	.2215	78.77	11.26	.8130
#3	.2202	78.61	11.23	.8034

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	2074.6	23681.	2401.5
Stddev	4.5	86.	13.0
%RSD	.21556	.36370	.54305

#1	2071.2	23646.	2416.1
#2	2072.9	23619.	2397.5
#3	2079.6	23780.	2391.0

Sample Name: CCV Acquired: 8/10/2012 10:50:49 Type: QC
Method: SW8460080712(v2) 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.	2515.	1264.	10070.	1013.	128600.
Stddev	849.	12.	4.	12.	7.	1000.
%RSD	.6695	.4872	.2821	.1176	.6799	.7775

#1	127700.	2505.	1267.	10070.	1020.	129700.
#2	126500.	2529.	1260.	10090.	1012.	128400.
#3	126100.	2512.	1265.	10060.	1006.	127800.

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	1266.	2527.	5117.	12740.	102700.	50800.
Stddev	1.	3.	12.	105.	238.	222.
%RSD	.0773	.1031	.2403	.8273	.2316	.4371

#1	1265.	2525.	5122.	12860.	102800.	51030.
#2	1267.	2530.	5103.	12700.	102400.	50770.
#3	1266.	2525.	5126.	12660.	102900.	50590.

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	127800.	5173.	126200.	2542.	7704.	999.2
Stddev	424.	11.	951.	1.	6.	6.6
%RSD	.3321	.2198	.7536	.0509	.0822	.6636

#1	127800.	5178.	127200.	2541.	7698.	993.8
#2	127300.	5160.	126000.	2543.	7710.	997.2
#3	128200.	5181.	125400.	2542.	7704.	1007.

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

Sample Name: CCV Acquired: 8/10/2012 10:50:49 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	2500.	2550.	2533.	2535.	991.6	2507.
Stddev	5.	4.	8.	1.	1.9	5.
%RSD	.1913	.1515	.3232	.0515	.1921	.1952

#1	2500.	2546.	2539.	2536.	993.8	2501.
#2	2505.	2554.	2524.	2536.	990.4	2511.
#3	2496.	2551.	2536.	2534.	990.6	2508.

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

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	1014.	5090.	10170.	9771.
Stddev	5.	28.	49.	39.
%RSD	.5248	.5543	.4783	.3974

#1	1007.	5121.	10220.	9760.
#2	1016.	5085.	10150.	9814.
#3	1017.	5065.	10130.	9739.

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	2238.5	25017.	2460.0
Stddev	4.1	22.	25.1
%RSD	.18135	.08683	1.0202

#1	2236.1	25005.	2431.1
#2	2236.2	25005.	2472.2
#3	2243.2	25042.	2476.6

Sample Name: CCB Acquired: 8/10/2012 10:54:10 Type: QC
Method: SW8460080712(v2) 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	-22.57	1.160	.5413	.7365	.0750	27.66
Stddev	11.97	2.026	.6574	.4755	.0554	7.77
%RSD	53.04	174.7	121.4	64.56	73.89	28.10

#1	-18.95	1.507	.7141	1.274	.1371	32.86
#2	-35.93	-1.018	1.095	.5665	.0573	31.39
#3	-12.82	2.989	-.1852	.3695	.0306	18.72

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	-.0078	.1120	-.8208	-6.539	15.27	189.1
Stddev	.0444	.2825	.2632	1.872	21.07	44.7
%RSD	569.0	252.2	32.06	28.63	138.0	23.65

#1	-.0500	.3703	-.5252	-8.191	38.24	213.0
#2	-.0119	.1555	-.9076	-6.920	-3.167	137.5
#3	.0385	-.1897	-1.030	-4.506	10.75	216.6

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	10.89	.3654	2.606	.3136	3.241	.6345
Stddev	7.11	.3221	14.47	.2490	1.177	1.414
%RSD	65.31	88.16	555.3	79.41	36.33	222.9

#1	15.14	.7159	3.835	.0705	4.557	1.956
#2	14.85	.2979	-12.44	.3021	2.878	.8042
#3	2.679	.0823	16.43	.5682	2.287	-.8568

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

Sample Name: CCB Acquired: 8/10/2012 10:54:10 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-4.722	1.959	-.2565	.0791	3.931	3.956
Stddev	1.970	1.323	.5226	.1816	.445	1.987
%RSD	41.73	67.56	203.7	229.5	11.33	50.22
#1	-4.977	3.352	.3378	.2712	4.363	6.118
#2	-2.636	.7188	-.4636	-.0899	3.473	3.538
#3	-6.552	1.805	-.6438	.0561	3.957	2.211

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

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	.6253	.6586	1.190	6.660
Stddev	.7416	.5503	.097	10.76
%RSD	118.6	83.56	8.145	161.5
#1	.4800	1.229	1.207	17.68
#2	-.0329	.6159	1.085	-3.812
#3	1.429	.1308	1.277	6.110

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	2409.5	26996.	2522.5
Stddev	6.1	66.	18.6
%RSD	.25387	.24379	.73659
#1	2416.4	27070.	2538.1
#2	2404.7	26944.	2527.5
#3	2407.3	26975.	2502.0

Sample Name: IC5A 1552029 Acquired: 8/10/2012 10:57:56 Type: QC
Method: SW8460080712(v2) 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	514200.	-2.415	-2.094	-1.305	.0477	472200.
Stddev	1386.	2.048	.169	.205	.1792	540.
%RSD	.2696	84.79	8.064	15.68	376.1	.1143
#1	515700.	-.5101	-2.131	-1.402	.0437	472700.
#2	514100.	-2.154	-2.242	-1.070	.2289	472300.
#3	513000.	-4.580	-1.910	-1.443	-.1296	471700.

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	-1.328	-.4646	-1.229	-5.383	203500.	-207.9
Stddev	.181	.2344	.790	3.287	362.	29.9
%RSD	13.65	50.46	64.29	61.05	.1777	14.39
#1	-1.119	-.2532	-1.531	-4.684	203700.	-242.2
#2	-1.432	-.4239	-1.824	-2.503	203800.	-187.2
#3	-1.434	-.7168	-.3325	-8.963	203100.	-194.4

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	530800.	-1.830	-94.44	1.454	-.4521	-4.773
Stddev	3832.	.193	18.31	.518	1.903	1.407
%RSD	.7218	10.53	19.39	35.66	421.0	29.48
#1	531700.	-2.031	-115.4	1.330	1.531	-4.657
#2	534100.	-1.811	-86.17	2.023	-2.264	-3.427
#3	526600.	-1.648	-81.73	1.008	-.6238	-6.234

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

Sample Name: IC5A 1552029 Acquired: 8/10/2012 10:57:56 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.389	.3489	-2.342	-2.789	1.749	-2.650
Stddev	3.144	1.866	.619	.243	2.110	.168
%RSD	49.22	534.9	26.43	8.728	120.6	6.344
#1	-4.276	-.7513	-1.696	-3.066	4.066	-2.553
#2	-4.888	-.7058	-2.402	-2.607	1.242	-2.844
#3	-10.00	2.504	-2.929	-2.695	-.0611	-2.553

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

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	2.232	1.231	-4.608	37.09
Stddev	.520	.153	2.600	23.62
%RSD	23.29	12.41	56.43	63.68
#1	1.739	1.353	-4.480	17.29
#2	2.775	1.060	-2.074	63.23
#3	2.180	1.279	-7.270	30.75

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	2167.2	23723.	2449.2
Stddev	3.9	57.	14.5
%RSD	.17844	.24035	.59084
#1	2165.6	23788.	2432.7
#2	2171.6	23686.	2455.4
#3	2164.4	23693.	2459.6

Sample Name: ICSAB 1604491 Acquired: 8/10/2012 11:01:46 Type: QC
Method: SW8460080712(v2) 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	510400.	101.3	103.9	96.54	99.56	471000.
Stddev	203.	2.3	1.3	.53	.24	404.
%RSD	.0398	2.261	1.238	.5499	.2457	.0858

#1	510600.	102.1	104.5	96.52	99.47	470700.
#2	510200.	103.0	104.8	97.08	99.38	471500.
#3	510300.	98.65	102.5	96.02	99.84	471000.

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	96.20	95.85	100.4	94.00	201800.	10420.
Stddev	.36	.86	1.1	2.62	594.	129.
%RSD	.3788	.8950	1.142	2.791	.2945	1.236

#1	96.35	95.48	101.1	92.62	202500.	10530.
#2	96.47	96.84	100.9	92.35	201700.	10280.
#3	95.79	95.25	99.06	97.02	201300.	10450.

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	524200.	100.5	10310.	95.49	98.42	89.06
Stddev	1884.	.2	29.	.64	2.16	7.62
%RSD	.3594	.1771	.2778	.6710	2.191	8.553

#1	523200.	100.5	10280.	95.97	98.89	82.52
#2	523000.	100.7	10340.	94.76	96.07	97.42
#3	526400.	100.4	10300.	95.74	100.3	87.24

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

Sample Name: ICSAB 1604491 Acquired: 8/10/2012 11:01:46 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	ppb	ppb	ppb	ppb	ppb	ppb
Avg	91.75	96.27	99.36	95.29	95.93	94.52
Stddev	4.59	2.49	.78	.12	2.20	.35
%RSD	5.002	2.586	.7884	.1304	2.294	.3744
#1	93.70	94.81	98.68	95.29	98.39	94.11
#2	95.05	99.15	99.19	95.41	94.15	94.68
#3	86.51	94.87	100.2	95.16	95.26	94.76

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

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	99.49	101.3	93.85	74.83
Stddev	1.74	.5	1.33	17.70
%RSD	1.752	.4900	1.412	23.66
#1	100.3	101.8	93.69	61.32
#2	100.7	100.8	95.24	94.87
#3	97.49	101.3	92.60	68.30

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	2185.8	23866.	2452.5
Stddev	6.7	17.	5.1
%RSD	.30773	.07048	.20857
#1	2192.3	23885.	2452.4
#2	2178.8	23853.	2457.7
#3	2186.4	23859.	2447.5

Sample Name: INT-10 1604494 Acquired: 8/10/2012 11:05:28 Type: QC
Method: SW8460080712(v2) 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	-3.485	-.2250	-7.598	.3535	-1.129	75.32
Stddev	52.87	1.774	.646	.0611	.201	43.13
%RSD	1517.	788.3	8.500	17.29	17.81	57.26

#1	55.81	1.224	-7.376	.3710	-.9803	123.1
#2	-20.54	.3045	-8.326	.2856	-1.357	63.71
#3	-45.72	-2.203	-7.093	.4040	-1.048	39.18

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	-.4998	10940.	10420.	F -21.73	21.75	167.6
Stddev	.0863	21.	35.	4.67	12.45	62.7
%RSD	17.27	.1950	.3405	21.48	57.21	37.38

#1	-.5614	10950.	10440.	-25.67	35.27	109.4
#2	-.5370	10960.	10440.	-22.93	19.23	234.0
#3	-.4011	10920.	10380.	-16.58	10.77	159.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				20.00		
Low Limit				-20.00		

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	64.12	10570.	7.292	11020.	-.7571	-1.454
Stddev	31.43	38.	11.16	24.	.3180	2.420
%RSD	49.02	.3561	153.0	.2199	42.01	166.5

#1	96.71	10580.	16.73	11020.	-.6109	-2.784
#2	61.65	10520.	10.16	11040.	-.5384	1.340
#3	34.00	10600.	-5.019	10990.	-1.122	-2.916

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

Sample Name: INT-10 1604494 Acquired: 8/10/2012 11:05:28 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.662	-1.099	4971.	-4.491	-4.615	5124.
Stddev	3.277	2.841	14.	.321	.290	11.
%RSD	123.1	258.5	.2888	7.154	6.278	.2189
#1	1.096	-2.422	4968.	-4.768	-4.616	5112.
#2	-4.927	-3.037	4987.	-4.139	-4.904	5134.
#3	-4.155	2.162	4958.	-4.567	-4.324	5125.

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

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	10670.	10000.	9939.	9816.
Stddev	26.	16.	6.	117.
%RSD	.2459	.1566	.0625	1.190
#1	10690.	9993.	9934.	9701.
#2	10690.	10020.	9946.	9812.
#3	10640.	9998.	9937.	9935.

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	2341.4	27081.	2533.5
Stddev	2.8	42.	4.7
%RSD	.11788	.15535	.18478
#1	2344.0	27039.	2529.6
#2	2341.7	27080.	2532.2
#3	2338.5	27123.	2538.7

Sample Name: 460-42879-a-7-b@2 Acquired: 8/10/2012 11:09:12 Type: Unk
Method: SW8460080712(v2) 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	74.79	2.572	-1.212	14.01	-1.047	132300.
Stddev	19.84	1.526	.522	.11	.0813	68.
%RSD	26.53	59.35	43.05	.7666	77.58	.0512

#1	53.14	1.667	-.7518	13.96	-.1317	132300.
#2	92.12	1.714	-1.105	14.13	-.1691	132300.
#3	79.10	4.334	-1.779	13.94	-.0134	132200.

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	-.2406	.9761	-.3669	-5.299	25810.	2861.
Stddev	.1092	.5797	.6418	4.307	52.	64.
%RSD	45.38	59.39	174.9	81.27	.2017	2.231

#1	-.1690	1.523	.3646	-5.916	25780.	2806.
#2	-.1864	1.037	-.6295	-9.265	25870.	2931.
#3	-.3662	.3686	-.8357	-.7174	25790.	2845.

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	17420.	784.6	18260.	1.297	1.357	-.4576
Stddev	13.	1.0	46.	.547	1.545	1.691
%RSD	.0725	.1333	.2528	42.18	113.8	369.5

#1	17410.	785.7	18210.	1.826	3.086	-1.985
#2	17420.	784.6	18300.	1.331	.1131	1.359
#3	17430.	783.6	18280.	.7337	.8721	-.7465

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

Sample Name: 460-42879-a-7-b@2 Acquired: 8/10/2012 11:09:12 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-2.576	1.315	.1984	1.431	24.39	9.458
Stddev	1.147	2.669	.2697	.147	.46	5.826
%RSD	44.54	202.9	136.0	10.28	1.880	61.60
#1	-1.297	-.1788	.1049	1.263	24.55	15.97
#2	-2.914	4.396	.5024	1.535	24.75	7.667
#3	-3.516	-.2714	-.0122	1.495	23.87	4.738

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

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	1.889	479.1	3.137	3156.
Stddev	.905	1.2	1.070	30.
%RSD	47.93	.2595	34.11	.9593
#1	2.855	479.5	4.198	3148.
#2	1.751	480.2	2.057	3131.
#3	1.061	477.7	3.157	3189.

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	2338.1	26173.	2519.2
Stddev	4.7	62.	6.1
%RSD	.20024	.23558	.24218
#1	2343.4	26136.	2526.3
#2	2336.1	26244.	2515.6
#3	2334.7	26139.	2515.8

Sample Name: 460-42934-a-55-a@10 Acquired: 8/10/2012 11:12:54 Type: Unk
Method: SW8460080712(v2) 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	25530.	35.41	1.933	462.2	1.031	36870.
Stddev	56.	1.54	.471	1.6	.071	128.
%RSD	.2191	4.360	24.34	.3543	6.856	.3474

#1	25470.	33.62	2.372	463.5	1.000	36800.
#2	25570.	36.27	1.991	462.7	.9802	37020.
#3	25560.	36.33	1.436	460.4	1.111	36790.

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	7.390	27.83	420.0	1939.	168700.	3197.
Stddev	.184	.28	4.3	24.	1470.	59.
%RSD	2.493	1.023	1.032	1.225	.8714	1.831

#1	7.194	27.64	424.0	1924.	170200.	3134.
#2	7.415	27.69	420.5	1966.	168600.	3250.
#3	7.560	28.16	415.4	1925.	167300.	3207.

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	11450.	1812.	334.2	395.3	1629.	11.78
Stddev	84.	14.	14.0	1.7	7.	1.44
%RSD	.7311	.7882	4.198	.4206	.4058	12.24

#1	11530.	1825.	350.3	396.8	1634.	11.35
#2	11460.	1813.	324.2	395.5	1632.	10.61
#3	11360.	1797.	328.2	393.5	1622.	13.39

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

Sample Name: 460-42934-a-55-a@10 Acquired: 8/10/2012 11:12:54 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.976	-3.246	534.6	1924.	22.60	24.19
Stddev	2.911	1.713	4.8	9.	1.03	.27
%RSD	97.83	52.77	.9048	.4627	4.573	1.122
#1	-2.461	-1.361	539.9	1933.	23.79	24.46
#2	-3.561	-4.707	533.4	1924.	22.11	24.20
#3	-6.110	-3.672	530.4	1915.	21.91	23.91

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

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	112.3	155.7	783.2	441.0
Stddev	.7	.4	4.1	11.2
%RSD	.6228	.2764	.5299	2.529
#1	111.6	155.6	781.0	452.6
#2	112.9	156.2	788.0	440.0
#3	112.5	155.3	780.7	430.3

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	2398.0	26848.	2576.3
Stddev	5.5	134.	17.2
%RSD	.22968	.49859	.66833
#1	2391.6	26694.	2588.8
#2	2400.9	26909.	2556.7
#3	2401.4	26940.	2583.5

Sample Name: 460-42934-a-65-a@20 Acquired: 8/10/2012 11:16:26 Type: Unk
Method: SW8460080712(v2) 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	2512.	99.89	3.173	1039.	.2094	17430.
Stddev	15.	2.24	1.416	4.	.1340	14.
%RSD	.6060	2.244	44.62	.3418	63.96	.0829

#1	2529.	102.2	1.872	1041.	.3008	17440.
#2	2501.	97.70	2.966	1041.	.0556	17410.
#3	2505.	99.80	4.682	1035.	.2719	17420.

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	-.6576	12.63	9.526	93.43	133500.	637.7
Stddev	.1159	.07	.885	1.85	234.	44.7
%RSD	17.63	.5385	9.291	1.984	.1750	7.016

#1	-.5928	12.56	9.932	95.57	133800.	657.1
#2	-.5885	12.66	10.14	92.32	133400.	586.5
#3	-.7914	12.68	8.511	92.40	133400.	669.4

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	3071.	71.53	152.4	22.91	738.1	-.1406
Stddev	13.	.27	20.8	.29	2.1	2.794
%RSD	.4083	.3749	13.66	1.255	.2847	1987.

#1	3057.	71.82	155.5	22.65	739.1	2.674
#2	3075.	71.50	171.5	22.86	739.5	-.1827
#3	3081.	71.29	130.2	23.22	735.7	-2.913

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

Sample Name: 460-42934-a-65-a@20 Acquired: 8/10/2012 11:16:26 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.766	5.821	16.40	199.1	3.026	21.29
Stddev	2.013	1.023	.22	.8	.488	.43
%RSD	297.5	17.57	1.338	.4261	16.13	2.025
#1	1.035	5.464	16.23	200.0	2.660	21.10
#2	-1.712	5.024	16.65	199.1	2.837	21.79
#3	-2.894	6.974	16.33	198.3	3.580	20.99

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

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	6.266	77.08	59.46	594.7
Stddev	.309	.14	2.30	21.0
%RSD	4.925	.1850	3.872	3.533
#1	6.357	76.91	60.86	612.4
#2	6.519	77.15	56.81	600.2
#3	5.922	77.17	60.73	571.5

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	2403.9	27037.	2547.3
Stddev	3.5	105.	2.8
%RSD	.14368	.38780	.10816
#1	2400.5	27129.	2550.4
#2	2403.7	27058.	2546.1
#3	2407.4	26923.	2545.3

Sample Name: 460-43202-I-6-a@2 Acquired: 8/10/2012 11:20:02 Type: Unk
Method: SW8460080712(v2) 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	60.94	2.892	-6077	55.54	.1403	83950.
Stddev	26.31	2.570	.8643	.32	.2771	748.
%RSD	43.17	88.86	142.2	.5840	197.5	.8904
#1	68.81	2.314	-1.513	55.62	.0476	84800.
#2	31.60	.6607	-.5200	55.82	.4518	83640.
#3	82.41	5.702	.2094	55.18	-.0786	83410.

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	-.1506	.1379	.0060	-10.09	26710.	11140.
Stddev	.1143	.0958	.2584	1.63	24.	58.
%RSD	75.91	69.48	4327.	16.14	.0885	.5200
#1	-.0327	.1624	-.1951	-11.34	26740.	11200.
#2	-.2610	.0322	-.0844	-10.67	26690.	11080.
#3	-.1581	.2191	.2974	-8.250	26710.	11150.

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	157000.	448.5	27470.	2.224	7.263	-.0524
Stddev	317.	1.7	273.	.255	1.241	4.941
%RSD	.2022	.3689	.9946	11.45	17.08	9433.
#1	157200.	449.8	27780.	2.252	8.525	-5.217
#2	157100.	449.1	27370.	1.957	6.045	4.630
#3	156600.	446.7	27270.	2.464	7.219	.4297

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

Sample Name: 460-43202-I-6-a@2 Acquired: 8/10/2012 11:20:02 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-3.340	1.278	6.497	2.184	143.3	-.1716
Stddev	5.591	1.572	.398	.084	.9	.0415
%RSD	167.4	123.0	6.120	3.867	.5959	24.21

#1	3.107	.6098	6.073	2.146	144.0	-.1520
#2	-6.285	3.073	6.557	2.281	142.3	-.1435
#3	-6.843	.1505	6.861	2.125	143.5	-.2193

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

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	.1574	416.9	1.688	7106.
Stddev	.7488	3.3	2.851	83.
%RSD	475.6	.7804	168.9	1.164

#1	-.7052	420.7	1.785	7150.
#2	.5378	415.3	4.489	7158.
#3	.6397	414.8	-1.210	7011.

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	2346.2	26210.	2552.7
Stddev	2.8	79.	9.8
%RSD	.11743	.30235	.38261

#1	2343.6	26271.	2547.4
#2	2345.8	26120.	2564.0
#3	2349.1	26238.	2546.7

Sample Name: 460-43202-I-7-a@10 Acquired: 8/10/2012 11:23:42 Type: Unk
Method: SW8460080712(v2) 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	-5.686	2.456	-1.789	19.97	-2.161	22660.
Stddev	30.36	2.397	.4155	.09	.1008	42.
%RSD	534.0	97.60	232.2	.4559	46.63	.1867
#1	9.307	4.788	.2044	20.06	-.1201	22610.
#2	14.26	-.0009	-.6205	19.97	-.3210	22670.
#3	-40.63	2.580	-.1206	19.88	-.2071	22690.

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	.2733	-.7147	-7.043	8158.	3693.
Stddev	.0788	.2656	.2761	3.140	17.	80.
%RSD	63.56	97.20	38.63	44.58	.2076	2.174
#1	-.1867	.2561	-.6686	-3.452	8139.	3785.
#2	-.1496	.0166	-1.011	-9.276	8163.	3655.
#3	-.0355	.5470	-.4646	-8.399	8172.	3638.

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	111000.	86.36	16970.	.4692	1.787	-4.234
Stddev	246.	.15	2.	.2798	1.295	4.062
%RSD	.2220	.1779	.0098	59.63	72.48	95.95
#1	111200.	86.25	16970.	.3915	.3437	-5.551
#2	110800.	86.54	16970.	.7796	2.848	-7.474
#3	110800.	86.29	16970.	.2365	2.170	.3237

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

Sample Name: 460-43202-I-7-a@10 Acquired: 8/10/2012 11:23:42 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-3.936	1.027	.8954	.7244	42.16	.1616
Stddev	1.355	1.642	.3829	.1043	.09	.4160
%RSD	34.43	159.9	42.77	14.39	.2098	257.4
#1	-2.818	2.711	1.011	.7980	42.15	.1811
#2	-5.444	-.5700	1.207	.6051	42.26	-.2638
#3	-3.547	.9398	.4678	.7702	42.08	.5675

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

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	.4929	135.5	.1146	1457.
Stddev	.5721	.7	.8975	7.
%RSD	116.1	.5221	783.0	.4822
#1	.4271	134.9	.1709	1450.
#2	1.095	136.3	-.8097	1456.
#3	-.0434	135.4	.9826	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	2355.0	26348.	2532.3
Stddev	4.8	54.	5.7
%RSD	.20572	.20381	.22698
#1	2355.8	26310.	2537.9
#2	2359.3	26410.	2526.4
#3	2349.7	26325.	2532.6

Sample Name: IC5A 1552029 Acquired: 8/10/2012 11:27:24 Type: QC
Method: SW8460080712(v2) 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	513100.	1.592	-2.354	-1.613	-.1383	473800.
Stddev	618.	5.051	.249	.226	.3509	2651.
%RSD	.1205	317.3	10.60	14.00	253.8	.5595

#1	512500.	-2.558	-2.432	-1.357	.0679	471300.
#2	513700.	7.215	-2.554	-1.782	.0607	473500.
#3	513100.	.1179	-2.075	-1.700	-.5434	476600.

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	-1.405	-.2542	-.5904	-9.876	203400.	-288.1
Stddev	.228	.4259	.3196	2.930	369.	66.7
%RSD	16.20	167.6	54.14	29.66	.1812	23.15

#1	-1.356	-.0003	-.3033	-7.623	203500.	-282.3
#2	-1.207	-.7459	-.9348	-8.818	203800.	-357.4
#3	-1.654	-.0163	-.5331	-13.19	203000.	-224.4

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	532100.	-1.757	-133.2	.9308	-.2946	-5.966
Stddev	812.	.007	2.7	.4037	1.662	2.601
%RSD	.1526	.3985	2.014	43.38	564.3	43.60

#1	533000.	-1.754	-131.9	1.163	1.552	-6.802
#2	531800.	-1.764	-136.2	1.164	-.7651	-8.048
#3	531500.	-1.751	-131.3	.4646	-1.671	-3.050

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

Sample Name: IC5A 1552029 Acquired: 8/10/2012 11:27:24 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-3.528	2.562	-2.166	-2.498	-.9681	-3.442
Stddev	5.955	2.384	.351	.359	1.093	.520
%RSD	168.8	93.07	16.21	14.36	112.9	15.11

#1	-6.052	5.204	-2.373	-2.218	.2944	-2.886
#2	3.273	1.910	-1.761	-2.375	-1.594	-3.523
#3	-7.806	.5711	-2.364	-2.902	-1.605	-3.917

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

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	.9433	1.079	-4.443	38.62
Stddev	.4999	.146	1.314	14.79
%RSD	52.99	13.50	29.58	38.30

#1	1.198	1.241	-5.821	50.82
#2	1.264	1.039	-4.306	22.17
#3	.3673	.9583	-3.203	42.87

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	2156.8	23677.	2431.9
Stddev	4.7	67.	6.1
%RSD	.21976	.28111	.25075

#1	2152.6	23752.	2438.9
#2	2155.9	23628.	2429.0
#3	2162.0	23650.	2427.8

Sample Name: ICSAB 1604491 Acquired: 8/10/2012 11:31:13 Type: QC
Method: SW8460080712(v2) 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	508300.	98.47	104.8	97.57	98.84	465400.
Stddev	1141.	5.72	1.7	.82	.05	878.
%RSD	.2245	5.814	1.638	.8418	.0551	.1886

#1	508200.	101.4	105.2	97.72	98.79	464600.
#2	509600.	102.1	106.3	98.31	98.82	466300.
#3	507300.	91.88	103.0	96.69	98.90	465400.

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	97.12	96.89	101.1	87.33	203200.	10190.
Stddev	.54	1.09	.9	6.13	1463.	73.
%RSD	.5575	1.127	.9222	7.022	.7201	.7132

#1	97.42	97.16	102.2	90.90	204400.	10190.
#2	97.44	97.83	100.5	80.25	203500.	10270.
#3	96.49	95.69	100.6	90.85	201600.	10120.

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	530000.	101.2	10280.	97.64	96.90	98.68
Stddev	2600.	.6	22.	.70	1.78	2.35
%RSD	.4906	.5559	.2186	.7167	1.841	2.377

#1	533000.	101.6	10270.	98.43	96.59	100.4
#2	528100.	101.3	10300.	97.41	95.29	99.64
#3	528900.	100.5	10260.	97.09	98.82	96.00

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

Sample Name: ICSAB 1604491 Acquired: 8/10/2012 11:31:13 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	ppb	ppb	ppb	ppb	ppb	ppb
Avg	89.46	97.27	98.27	96.17	97.32	94.66
Stddev	2.31	1.63	.50	1.01	1.85	.79
%RSD	2.576	1.672	.5127	1.054	1.902	.8391
#1	89.05	96.19	97.70	97.07	99.42	94.42
#2	87.39	96.49	98.43	96.38	96.61	95.54
#3	91.94	99.14	98.67	95.07	95.93	94.01

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

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	99.54	101.1	94.08	70.95
Stddev	2.07	.7	2.10	16.80
%RSD	2.082	.6779	2.233	23.68
#1	101.4	101.5	96.47	82.58
#2	99.88	101.4	92.53	78.58
#3	97.31	100.3	93.24	51.69

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	2173.0	23789.	2472.5
Stddev	6.5	43.	15.8
%RSD	.29784	.18170	.63830
#1	2171.1	23779.	2490.5
#2	2167.6	23751.	2461.1
#3	2180.1	23836.	2465.8

Sample Name: CCV Acquired: 8/10/2012 11:34:57 Type: QC
Method: SW8460080712(v2) 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	125700.	2525.	1260.	10120.	999.2	126400.
Stddev	1184.	4.	2.	4.	7.9	1016.
%RSD	.9420	.1622	.1708	.0372	.7948	.8037

#1	127100.	2529.	1260.	10120.	1008.	127600.
#2	124900.	2525.	1262.	10120.	995.7	125900.
#3	125100.	2521.	1258.	10110.	993.6	125800.

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	1272.	2547.	5122.	12510.	102400.	50180.
Stddev	1.	2.	4.	80.	74.	302.
%RSD	.0783	.0800	.0736	.6362	.0727	.6023

#1	1272.	2549.	5117.	12600.	102400.	50530.
#2	1273.	2549.	5124.	12440.	102400.	50000.
#3	1271.	2545.	5124.	12490.	102300.	50020.

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	128400.	5160.	124900.	2561.	7710.	1011.
Stddev	146.	3.	962.	5.	8.	3.
%RSD	.1134	.0548	.7696	.1761	.0992	.2953

#1	128500.	5162.	126000.	2563.	7708.	1007.
#2	128400.	5157.	124300.	2564.	7718.	1013.
#3	128200.	5162.	124400.	2556.	7703.	1012.

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

Sample Name: CCV Acquired: 8/10/2012 11:34:57 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	2518.	2555.	2510.	2545.	999.8	2522.
Stddev	1.	3.	2.	3.	.2	3.
%RSD	.0392	.1197	.0816	.1035	.0207	.1262

#1	2517.	2558.	2511.	2547.	999.8	2518.
#2	2518.	2554.	2511.	2545.	999.9	2524.
#3	2519.	2552.	2508.	2542.	999.5	2524.

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

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	1016.	5026.	10100.	9907.
Stddev	2.	35.	65.	84.
%RSD	.1735	.6969	.6481	.8473

#1	1018.	5067.	10180.	9953.
#2	1015.	5006.	10060.	9958.
#3	1015.	5006.	10070.	9810.

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	2215.4	24981.	2476.7
Stddev	3.7	127.	14.5
%RSD	.16582	.50682	.58471

#1	2211.4	24870.	2460.1
#2	2216.1	24955.	2486.4
#3	2218.7	25119.	2483.8

Sample Name: CCB Acquired: 8/10/2012 11:38:18 Type: QC
Method: SW8460080712(v2) 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	19.37	.7234	-.1981	.4516	-.0583	38.58
Stddev	7.88	1.139	.4655	.3536	.2137	28.14
%RSD	40.66	157.4	235.0	78.30	366.7	72.95

#1	22.00	-.1838	-.3067	.8458	.0368	67.82
#2	25.60	.3527	-.5997	.3467	-.3030	36.24
#3	10.52	2.001	.3122	.1623	.0914	11.68

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	-.0256	.4075	-.3032	-8.351	11.19	100.8
Stddev	.0148	.4304	.5675	2.604	22.42	52.7
%RSD	57.83	105.6	187.2	31.18	200.4	52.32

#1	-.0300	-.0877	.3521	-6.008	32.64	47.98
#2	-.0091	.6192	-.6272	-11.16	12.99	153.4
#3	-.0378	.6911	-.6343	-7.890	-12.08	100.9

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	8.566	.2767	26.81	.0883	1.244	-1.715
Stddev	3.733	.2384	20.60	.5287	1.214	2.555
%RSD	43.58	86.18	76.85	598.8	97.56	148.9

#1	12.50	.4726	46.11	.4428	1.945	-4.613
#2	8.133	.3462	29.20	.3415	1.945	-.7460
#3	5.069	.0112	5.112	-.5194	-.1574	.2128

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

Sample Name: CCB Acquired: 8/10/2012 11:38:18 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	.2783	1.866	.4355	.0415	1.333	2.896
Stddev	1.004	2.666	.2717	.2016	1.410	1.546
%RSD	360.8	142.9	62.40	486.0	105.8	53.39
#1	.7525	-1.181	.7132	.2522	1.293	4.541
#2	-.8750	3.007	.4231	.0218	2.762	2.675
#3	.9572	3.772	.1701	-.1495	-.0567	1.472

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

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	.7927	.3987	1.858	7.413
Stddev	.6438	.3278	.186	20.63
%RSD	81.21	82.22	10.01	278.4
#1	1.531	.7649	2.021	24.20
#2	.3501	.1325	1.897	-15.62
#3	.4969	.2987	1.656	13.66

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	2391.7	26983.	2512.4
Stddev	3.6	21.	12.8
%RSD	.15194	.07839	.51104
#1	2387.8	26995.	2507.9
#2	2392.6	26995.	2526.8
#3	2394.9	26958.	2502.4

Sample Name: 460-43197-c-7-a du@2 Acquired: 8/10/2012 11:42:04 Type: Unk
Method: SW8460080712(v2) 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	71.44	2.199	-1.169	80.98	-1.728	92700.
Stddev	19.84	.669	1.120	.19	.1395	420.
%RSD	27.77	30.40	95.88	.2334	80.73	.4526
#1	84.07	2.258	-.7998	81.06	-.0176	92490.
#2	48.58	1.503	-2.427	81.11	-.2132	92420.
#3	81.69	2.836	-.2790	80.76	-.2877	93180.

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	-.0318	-.3039	-.1683	-3.400	12420.	19530.
Stddev	.0444	.5749	.4163	3.312	43.	149.
%RSD	139.4	189.2	247.3	97.43	.3441	.7640
#1	-.0544	-.6015	.2800	-5.661	12400.	19400.
#2	.0193	.3588	-.2423	.4024	12390.	19500.
#3	-.0603	-.6689	-.5427	-4.940	12470.	19690.

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	33050.	379.4	136900.	.2652	2.154	-1.370
Stddev	82.	2.5	642.	.4969	1.472	3.012
%RSD	.2488	.6590	.4690	187.4	68.36	219.9
#1	32960.	377.1	137300.	.5567	.5466	-4.840
#2	33050.	379.1	136100.	-.3086	3.437	.5668
#3	33130.	382.1	137100.	.5475	2.478	.1634

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

Sample Name: 460-43197-c-7-a du@2 Acquired: 8/10/2012 11:42:04 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-6.512	.8841	3.675	2.287	305.5	-.0340
Stddev	3.565	1.591	.292	.063	1.3	.3589
%RSD	54.74	180.0	7.937	2.746	.4202	1054.
#1	-2.398	-.8127	3.953	2.306	306.7	.2433
#2	-8.681	2.343	3.371	2.338	305.7	.0939
#3	-8.458	1.122	3.701	2.217	304.2	-.4393

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

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	.5034	499.4	3.873	8011.
Stddev	1.109	2.2	1.827	11.
%RSD	220.2	.4424	47.17	.1338
#1	1.731	499.3	5.191	8020.
#2	-.4258	497.3	1.788	7999.
#3	.2054	501.7	4.640	8013.

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	2314.6	25779.	2538.6
Stddev	4.5	140.	5.2
%RSD	.19557	.54425	.20484
#1	2319.8	25923.	2542.3
#2	2311.6	25771.	2540.8
#3	2312.4	25643.	2532.6

Sample Name: 460-43197-I-7-a@2 Acquired: 8/10/2012 11:45:44 Type: Unk
Method: SW8460080712(v2) 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	69.60	-2.629	.0217	80.86	-.0662	93480.
Stddev	23.76	2.802	.4863	.12	.1778	259.
%RSD	34.13	106.6	2246.	.1437	268.6	.2772
#1	96.42	-5.522	.5476	80.92	.1379	93180.
#2	51.20	-2.437	-.4118	80.93	-.1876	93620.
#3	61.19	.0722	-.0709	80.72	-.1488	93640.

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	-.2321	-.4745	-.1095	-7.804	12450.	19660.
Stddev	.1177	.2505	.2237	1.743	31.	142.
%RSD	50.73	52.78	204.2	22.34	.2503	.7226
#1	-.2524	-.4851	.0499	-9.693	12430.	19530.
#2	-.1055	-.7195	-.0132	-7.461	12490.	19630.
#3	-.3383	-.2189	-.3652	-6.257	12440.	19810.

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	33080.	380.9	137300.	.4549	2.244	-.2492
Stddev	82.	1.1	39.	.2495	1.764	1.001
%RSD	.2483	.2758	.0284	54.84	78.61	401.6
#1	33020.	379.7	137400.	.7425	4.252	.8399
#2	33170.	381.6	137300.	.3253	.9446	-.4589
#3	33030.	381.4	137300.	.2969	1.535	-1.129

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

Sample Name: 460-43197-I-7-a@2 Acquired: 8/10/2012 11:45:44 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-6.412	1.680	4.551	2.321	307.1	-.2524
Stddev	5.268	2.060	.477	.170	.5	.0382
%RSD	82.16	122.6	10.48	7.302	.1579	15.11

#1	-4.115	-.6697	4.160	2.512	306.9	-.2627
#2	-12.44	2.533	4.409	2.187	307.7	-.2102
#3	-2.682	3.175	5.083	2.265	306.8	-.2844

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

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	.0819	503.2	2.930	8025.
Stddev	.7775	2.3	1.256	48.
%RSD	949.6	.4659	42.88	.5940

#1	-.6798	500.9	1.711	8032.
#2	.8744	503.1	2.858	8070.
#3	.0510	505.6	4.220	7975.

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	2314.3	25689.	2516.7
Stddev	6.5	118.	6.3
%RSD	.27947	.45796	.25194

#1	2316.6	25814.	2523.9
#2	2307.0	25674.	2512.1
#3	2319.3	25580.	2514.0

Sample Name: sd 460-43197-l-7-a@1 Acquired: 8/10/2012 11:49:25 Type: Unk
Method: SW8460080712(v2) 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	26.06	1.701	.3627	16.34	-.0374	18900.
Stddev	16.62	2.153	.6389	.10	.0390	149.
%RSD	63.80	126.6	176.1	.6132	104.3	.7902
#1	34.39	.8996	-.3742	16.41	.0002	18750.
#2	6.916	4.140	.7608	16.39	-.0777	19040.
#3	36.87	.0631	.7016	16.23	-.0348	18900.

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	-.1450	-.0797	-.6828	-7.811	2484.	3899.
Stddev	.0647	.1671	.3333	2.555	17.	31.
%RSD	44.66	209.7	48.81	32.71	.6895	.7985
#1	-.1856	-.2420	-1.051	-10.70	2469.	3908.
#2	-.1790	.0918	-.5958	-6.905	2503.	3924.
#3	-.0703	-.0889	-.4017	-5.833	2480.	3864.

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	6615.	76.15	27950.	-.0219	-.1392	-1.196
Stddev	21.	.26	202.	.7617	.8975	2.399
%RSD	.3137	.3404	.7234	3473.	645.0	200.6
#1	6604.	76.00	27750.	-.6729	-.4238	.6981
#2	6639.	76.45	28160.	.8158	.8662	-.3927
#3	6603.	76.00	27950.	-.2087	-.8598	-3.894

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

Sample Name: sd 460-43197-l-7-a@1 Acquired: 8/10/2012 11:49:25 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.067	3.749	1.434	.3480	60.30	-.0540
Stddev	3.566	3.720	.506	.2148	1.09	.1643
%RSD	172.5	99.22	35.31	61.71	1.813	304.0
#1	.0634	7.133	1.258	.3470	59.62	-.0785
#2	-6.184	-.2336	1.039	.1338	59.71	-.2047
#3	-.0800	4.347	2.004	.5633	61.56	.1211

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

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	-.5179	100.4	-.9620	1538.
Stddev	1.108	.8	1.525	7.
%RSD	214.0	.7962	158.5	.4476
#1	.2088	99.70	-2.342	1546.
#2	.0310	101.3	-1.219	1532.
#3	-1.794	100.3	.6752	1537.

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	2363.3	26611.	2519.4
Stddev	2.0	83.	20.5
%RSD	.08522	.31277	.81368
#1	2362.5	26705.	2536.2
#2	2361.9	26584.	2496.6
#3	2365.6	26546.	2525.5

Sample Name: 460-43197-I-7-b ms@2 Acquired: 8/10/2012 11:53:07 Type: Unk
Method: SW8460080712(v2) 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	1033.	990.3	25.13	1072.	24.81	101400.
Stddev	16.	2.3	1.98	2.	.07	176.
%RSD	1.537	.2282	7.895	.1715	.2984	.1738

#1	1016.	992.6	26.77	1074.	24.89	101200.
#2	1048.	990.4	22.92	1072.	24.78	101300.
#3	1035.	988.1	25.71	1070.	24.75	101600.

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	25.26	251.0	103.1	121.3	12870.	29010.
Stddev	.19	.9	1.4	4.3	146.	87.
%RSD	.7376	.3485	1.388	3.577	1.132	.2994

#1	25.47	250.0	104.7	117.5	13040.	28950.
#2	25.11	251.8	102.7	126.1	12810.	28970.
#3	25.21	251.1	102.0	120.3	12770.	29110.

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	42880.	638.7	144600.	254.2	256.6	243.1
Stddev	479.	7.1	283.	.6	1.3	1.4
%RSD	1.118	1.105	.1956	.2371	.5152	.5683

#1	43430.	646.7	144700.	254.9	258.0	243.2
#2	42690.	636.1	144200.	253.8	256.4	241.6
#3	42530.	633.4	144800.	253.9	255.4	244.4

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

Sample Name: 460-43197-l-7-b ms@2 Acquired: 8/10/2012 11:53:07 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	842.4	1026.	256.2	257.0	554.6	246.8
Stddev	3.0	4.	3.6	.8	2.1	.6
%RSD	.3532	.3798	1.393	.3061	.3818	.2303
#1	845.6	1030.	260.3	257.7	552.3	246.8
#2	839.8	1024.	254.8	257.1	556.4	247.3
#3	841.7	1023.	253.6	256.1	555.1	246.2

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

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	253.8	733.7	251.2	8013.
Stddev	2.1	1.6	1.6	10.
%RSD	.8325	.2232	.6432	.1220
#1	252.3	732.3	250.2	8013.
#2	256.2	733.4	253.1	8023.
#3	252.9	735.5	250.4	8004.

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	2300.8	25512.	2534.6
Stddev	8.0	115.	15.4
%RSD	.34931	.44892	.60736
#1	2305.6	25381.	2539.5
#2	2305.2	25594.	2547.0
#3	2291.5	25560.	2517.4

Sample Name: pds 460-43197-l-7-a@ Acquired: 8/10/2012 11:56:39 Type: Unk
Method: SW8460080712(v2) 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	2729.	2230.	53.52	2307.	55.40	114900.
Stddev	24.	6.	.35	3.	.25	289.
%RSD	.8829	.2807	.6609	.1386	.4430	.2513

#1	2743.	2235.	53.53	2307.	55.68	114600.
#2	2743.	2232.	53.87	2310.	55.21	114900.
#3	2701.	2223.	53.16	2304.	55.32	115200.

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	56.32	561.6	229.8	278.9	14610.	41450.
Stddev	.20	1.4	.3	7.0	72.	145.
%RSD	.3573	.2466	.1395	2.503	.4905	.3498

#1	56.10	562.6	229.5	271.9	14530.	41280.
#2	56.50	562.2	230.2	285.8	14640.	41510.
#3	56.37	560.1	229.9	278.9	14670.	41560.

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	55550.	978.8	157500.	565.8	579.4	557.0
Stddev	134.	3.1	310.	1.7	4.1	2.8
%RSD	.2408	.3207	.1970	.2941	.7075	.4949

#1	55460.	976.7	157800.	566.1	576.8	558.1
#2	55480.	977.2	157200.	567.3	584.1	559.0
#3	55700.	982.4	157600.	564.0	577.3	553.9

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

Sample Name: pds 460-43197-l-7-a@ Acquired: 8/10/2012 11:56:39 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	2202.	2264.	561.1	F 8455.	870.2	554.7
Stddev	2.	4.	3.4	18.	2.9	1.1
%RSD	.0961	.1873	.5999	.2109	.3380	.2069

#1	2201.	2259.	557.6	8461.	872.7	553.8
#2	2201.	2267.	561.2	8470.	871.0	556.0
#3	2205.	2265.	564.4	8435.	867.0	554.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

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	570.6	1033.	579.1	8164.
Stddev	.8	2.	1.6	29.
%RSD	.1320	.2240	.2848	.3573

#1	570.6	1031.	579.4	8144.
#2	571.4	1033.	577.4	8151.
#3	569.9	1036.	580.6	8198.

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	2281.0	25379.	2515.0
Stddev	4.7	151.	7.5
%RSD	.20804	.59437	.29657

#1	2286.4	25488.	2523.6
#2	2278.8	25441.	2510.5
#3	2277.8	25207.	2510.8

Sample Name: 460-43197-I-3-a@3 Acquired: 8/10/2012 12:00:06 Type: Unk

Method: SW8460080712(v2) 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	55.27	1.433	-8398	46.78	.1082	80490.
Stddev	25.61	1.680	.2330	.07	.1892	337.
%RSD	46.34	117.3	27.75	.1587	174.8	.4183

#1	76.94	2.989	-1.072	46.73	-.0828	80110.
#2	61.86	-.3483	-.8421	46.75	.1119	80750.
#3	27.00	1.658	-.6056	46.87	.2956	80600.

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	-.2794	.2364	-.5625	-4.428	29620.	11620.
Stddev	.0689	.1028	.3955	4.959	75.	41.
%RSD	24.66	43.50	70.32	112.0	.2530	.3564

#1	-.3406	.2939	-.3397	-9.110	29530.	11640.
#2	-.2048	.1177	-1.019	.7692	29660.	11570.
#3	-.2928	.2977	-.3286	-4.943	29660.	11650.

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	195800.	341.8	22640.	.3235	5.813	-.5756
Stddev	261.	1.0	69.	.2990	.454	2.308
%RSD	.1332	.2986	.3044	92.43	7.803	401.0

#1	195500.	340.7	22600.	.0693	5.881	-1.791
#2	195900.	341.9	22720.	.6530	5.330	2.086
#3	196000.	342.7	22590.	.2483	6.229	-2.022

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

Sample Name: 460-43197-I-3-a@3 Acquired: 8/10/2012 12:00:06 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-4.125	1.406	1.807	2.467	147.2	-.4487
Stddev	2.758	1.823	.385	.296	.8	.5397
%RSD	66.85	129.7	21.32	12.00	.5347	120.3
#1	-7.053	2.144	2.198	2.808	147.8	.0486
#2	-3.745	-.6705	1.428	2.318	147.5	-.3721
#3	-1.577	2.744	1.796	2.276	146.3	-1.023

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

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	-.2349	331.9	2.409	5759.
Stddev	.8189	1.3	1.998	29.
%RSD	348.6	.3877	82.94	.5055
#1	-.8134	330.5	4.426	5779.
#2	-.5935	333.1	2.370	5773.
#3	.7021	332.2	.4304	5726.

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	2297.0	25757.	2514.9
Stddev	3.7	111.	11.8
%RSD	.16060	.42922	.46738
#1	2297.3	25878.	2527.0
#2	2293.2	25732.	2514.1
#3	2300.5	25662.	2503.6

Sample Name: 460-43197-I-4-a@5 Acquired: 8/10/2012 12:03:47 Type: Unk
Method: SW8460080712(v2) 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	142.5	1.522	-1.238	87.32	.0077	164900.
Stddev	5.6	1.159	1.454	.04	.1765	2075.
%RSD	3.920	76.13	117.4	.0472	2301.	1.259

#1	141.2	2.428	-6.350	87.31	.2112	167200.
#2	137.7	.2164	-2.897	87.36	-.1043	164100.
#3	148.7	1.922	-.1829	87.28	-.0838	163200.

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	-1.532	-.3510	2.764	-8.681	174900.	12320.
Stddev	.096	.3422	.069	3.766	159.	122.
%RSD	6.236	97.50	2.478	43.38	.0907	.9910

#1	-1.473	-.7456	2.785	-7.790	175100.	12450.
#2	-1.643	-.1377	2.687	-5.441	174800.	12210.
#3	-1.482	-.1695	2.818	-12.81	174900.	12290.

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	11500.	606.6	15030.	.7399	18.07	-3.287
Stddev	7.	3.1	149.	.6927	.82	2.722
%RSD	.0575	.5114	.9942	93.61	4.526	82.80

#1	11500.	609.7	15200.	1.379	18.62	-2.745
#2	11490.	606.6	14980.	.8367	17.13	-6.239
#3	11500.	603.5	14910.	.0039	18.45	-.8769

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

Sample Name: 460-43197-I-4-a@5 Acquired: 8/10/2012 12:03:47 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-9.241	-1.936	13.34	1.888	120.7	-.0811
Stddev	1.321	.699	.26	.230	.5	.3899
%RSD	14.30	36.08	1.972	12.20	.4448	480.7
#1	-7.717	-2.278	13.56	1.841	120.1	-.4117
#2	-10.06	-1.133	13.05	2.138	121.1	.3489
#3	-9.949	-2.399	13.41	1.685	120.8	-.1806

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

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	2.697	899.1	-7.534	6298.
Stddev	.513	11.0	1.208	37.
%RSD	19.04	1.219	16.03	.5836
#1	3.181	911.4	-8.461	6337.
#2	2.752	895.8	-6.168	6263.
#3	2.159	890.2	-7.973	6293.

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	2370.1	26476.	2580.7
Stddev	1.5	8.	19.4
%RSD	.06369	.03116	.75368
#1	2371.3	26484.	2561.4
#2	2368.4	26477.	2580.5
#3	2370.6	26467.	2600.3

Sample Name: 460-42971-e-3-j du@2 Acquired: 8/10/2012 12:07:27 Type: Unk
Method: SW8460080712(v2) 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	7617.	43.76	.4970	265.9	.3668	3228.
Stddev	41.	1.81	1.002	1.0	.1870	18.
%RSD	.5439	4.137	201.6	.3879	50.99	.5539

#1	7662.	43.46	.7831	266.8	.1970	3241.
#2	7610.	45.70	1.325	266.2	.3362	3208.
#3	7580.	42.11	-.6166	264.8	.5673	3237.

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	.5570	3.803	32.64	278.0	19090.	829.9
Stddev	.0826	.372	.40	4.0	36.	69.4
%RSD	14.83	9.794	1.234	1.452	.1882	8.365

#1	.6381	3.373	32.51	281.6	19120.	787.8
#2	.4730	3.998	32.32	278.7	19050.	910.0
#3	.5600	4.037	33.09	273.7	19110.	791.8

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	628.7	54.18	299.1	11.76	4214.	12.95
Stddev	8.5	.30	20.8	.55	19.	1.37
%RSD	1.356	.5546	6.965	4.701	.4546	10.58

#1	619.4	54.40	322.3	11.15	4234.	14.44
#2	630.7	54.30	293.0	11.91	4212.	12.66
#3	636.1	53.84	282.0	12.23	4196.	11.75

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

Sample Name: 460-42971-e-3-j du@2 Acquired: 8/10/2012 12:07:27 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.067	1.476	26.77	260.5	5.089	4.121
Stddev	6.875	1.006	.61	1.9	.479	.136
%RSD	332.5	68.18	2.284	.7256	9.417	3.299
#1	-9.403	2.578	27.35	262.2	5.640	4.148
#2	-1.027	1.243	26.13	260.8	4.768	3.973
#3	4.228	.6061	26.83	258.5	4.860	4.241

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

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	107.2	70.32	419.6	335.2
Stddev	.3	.17	2.0	12.8
%RSD	.2906	.2479	.4771	3.815
#1	107.5	70.44	418.4	321.3
#2	106.8	70.12	421.9	337.8
#3	107.2	70.40	418.4	346.5

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	2437.6	27490.	2590.8
Stddev	7.8	59.	10.1
%RSD	.32136	.21346	.39157
#1	2428.7	27557.	2580.8
#2	2443.4	27449.	2601.1
#3	2440.7	27464.	2590.5

Sample Name: 460-42971-e-3-i@20 Acquired: 8/10/2012 12:11:04 Type: Unk
Method: SW8460080712(v2) 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	8254.	39.00	1.304	285.1	.4679	3138.
Stddev	7.	.95	.681	.5	.2268	16.
%RSD	.0822	2.423	52.20	.1743	48.48	.5251

#1	8258.	39.97	1.795	285.4	.2170	3122.
#2	8246.	38.95	.5269	285.4	.5281	3136.
#3	8258.	38.09	1.591	284.6	.6585	3155.

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	.4915	3.564	30.85	346.8	16540.	980.4
Stddev	.0708	.449	.29	4.0	81.	69.9
%RSD	14.40	12.59	.9522	1.142	.4910	7.128

#1	.4470	3.895	30.61	347.4	16630.	937.0
#2	.4544	3.054	30.76	342.5	16510.	943.2
#3	.5731	3.744	31.18	350.3	16480.	1061.

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	727.4	48.57	312.6	11.85	7643.	12.74
Stddev	4.8	.26	6.3	.61	14.	4.24
%RSD	.6661	.5437	2.023	5.189	.1791	33.31

#1	730.5	48.88	315.2	11.84	7658.	14.21
#2	729.8	48.43	305.4	11.24	7640.	16.05
#3	721.8	48.42	317.2	12.47	7631.	7.957

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

Sample Name: 460-42971-e-3-i@20 Acquired: 8/10/2012 12:11:04 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-0.9345	-1.136	23.90	237.5	5.058	4.144
Stddev	5.595	2.281	.79	.5	.308	.262
%RSD	598.8	200.9	3.304	.2105	6.086	6.332
#1	-3.185	1.270	24.81	237.2	5.324	4.383
#2	5.436	-1.407	23.52	238.1	4.721	4.185
#3	-5.054	-3.269	23.37	237.3	5.130	3.864

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

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	129.0	68.42	407.0	339.2
Stddev	.2	.14	1.7	28.3
%RSD	.1890	.2019	.4127	8.346
#1	128.8	68.27	405.0	367.6
#2	129.3	68.49	408.1	339.2
#3	128.9	68.52	407.8	310.9

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	2447.9	27554.	2601.4
Stddev	5.2	126.	8.6
%RSD	.21139	.45649	.32908
#1	2451.5	27417.	2598.9
#2	2442.0	27582.	2610.9
#3	2450.3	27664.	2594.3

Sample Name: sd 460-42971-e-3-i@1 Acquired: 8/10/2012 12:14:42 Type: Unk
Method: SW8460080712(v2) 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	1649.	8.694	-1.160	56.30	.0871	639.3
Stddev	10.	2.081	1.202	.20	.1041	15.6
%RSD	.5958	23.93	1036.	.3639	119.4	2.435
#1	1651.	6.945	-1.418	56.41	-.0310	643.2
#2	1639.	11.00	.1171	56.43	.1653	622.1
#3	1658.	8.143	.9525	56.06	.1271	652.4

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	.1478	.8093	5.619	61.07	3269.	277.2
Stddev	.0457	.5816	.157	1.36	38.	63.0
%RSD	30.94	71.86	2.799	2.226	1.170	22.75
#1	.1169	.3537	5.497	60.19	3284.	306.3
#2	.2003	1.464	5.797	62.64	3297.	320.4
#3	.1262	.6099	5.565	60.39	3225.	204.8

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	142.5	9.638	70.67	2.204	1525.	1.623
Stddev	2.8	.187	13.42	.222	6.	3.101
%RSD	1.985	1.938	18.99	10.09	.3642	191.1
#1	139.4	9.831	56.48	1.979	1528.	3.251
#2	145.0	9.626	72.35	2.424	1530.	3.570
#3	143.2	9.458	83.17	2.209	1519.	-1.953

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

Sample Name: sd 460-42971-e-3-i@1 Acquired: 8/10/2012 12:14:42 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0737	1.432	4.794	47.52	1.134	.5754
Stddev	1.729	2.248	.337	.26	.492	.3742
%RSD	2345.	157.0	7.028	.5537	43.40	65.03
#1	-1.920	-1.145	4.416	47.76	1.691	.9740
#2	1.157	2.995	5.064	47.57	.7589	.2316
#3	.9846	2.445	4.903	47.24	.9511	.5208

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

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	24.74	13.49	80.30	87.63
Stddev	1.61	.04	.19	7.55
%RSD	6.519	.2942	.2386	8.617
#1	26.40	13.51	80.24	79.67
#2	24.62	13.45	80.51	94.69
#3	23.19	13.53	80.14	88.54

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	2432.8	27455.	2555.8
Stddev	1.0	86.	13.7
%RSD	.04001	.31287	.53587
#1	2433.8	27521.	2570.6
#2	2431.8	27358.	2553.1
#3	2432.7	27485.	2543.6

Sample Name: CCV Acquired: 8/10/2012 12:18:26 Type: QC
Method: SW8460080712(v2) 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	125800.	2539.	1265.	10140.	991.0	125900.
Stddev	111.	6.	2.	9.	2.6	182.
%RSD	.0883	.2463	.1560	.0868	.2600	.1447

#1	125900.	2544.	1267.	10130.	993.9	126100.
#2	125700.	2540.	1263.	10140.	989.7	125800.
#3	125700.	2532.	1264.	10140.	989.3	125900.

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	1275.	2545.	5140.	12420.	102800.	50010.
Stddev	2.	2.	7.	24.	107.	186.
%RSD	.1316	.0791	.1298	.1973	.1044	.3725

#1	1274.	2543.	5147.	12420.	102900.	50210.
#2	1277.	2547.	5135.	12430.	102700.	49990.
#3	1275.	2544.	5137.	12390.	102700.	49840.

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	128400.	5142.	124700.	2561.	7727.	1013.
Stddev	119.	4.	331.	4.	10.	6.
%RSD	.0927	.0807	.2656	.1734	.1265	.5646

#1	128400.	5142.	125100.	2557.	7717.	1006.
#2	128400.	5138.	124600.	2566.	7737.	1016.
#3	128200.	5146.	124400.	2562.	7726.	1017.

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

Sample Name: CCV Acquired: 8/10/2012 12:18:26 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	2524.	2562.	2525.	2546.	998.3	2522.
Stddev	7.	5.	4.	3.	3.2	5.
%RSD	.2766	.1764	.1439	.1294	.3174	.1997

#1	2529.	2567.	2530.	2548.	994.9	2517.
#2	2528.	2558.	2523.	2548.	1001.	2527.
#3	2516.	2561.	2524.	2542.	998.7	2521.

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

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	1020.	5003.	10090.	9834.
Stddev	5.	15.	6.	14.
%RSD	.4482	.2984	.0620	.1405

#1	1015.	5020.	10090.	9819.
#2	1023.	4994.	10100.	9847.
#3	1023.	4994.	10090.	9836.

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	2227.4	25106.	2487.6
Stddev	2.4	68.	4.0
%RSD	.10791	.27273	.16173

#1	2230.0	25150.	2492.3
#2	2226.7	25142.	2485.5
#3	2225.3	25027.	2485.1

Sample Name: CCB Acquired: 8/10/2012 12:21:47 Type: QC
Method: SW8460080712(v2) 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	6.899	-.2228	.2844	.5639	-.0902	36.70
Stddev	39.99	2.533	.7394	.5546	.1836	28.59
%RSD	579.6	1137.	260.0	98.35	203.6	77.90
#1	52.74	-3.146	.8548	1.201	.0744	68.52
#2	-20.85	1.159	.5494	.1867	-.0568	28.41
#3	-11.19	1.318	-.5510	.3043	-.2881	13.18

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	.1404	-.2088	.0757	-4.487	21.60	108.6
Stddev	.1991	.5939	1.168	3.109	18.25	90.4
%RSD	141.8	284.4	1542.	69.29	84.49	83.31
#1	.3547	.4737	1.424	-6.190	39.44	55.80
#2	-.0390	-.4921	-.5743	-6.371	2.964	56.88
#3	.1055	-.6079	-.6225	-.8986	22.40	213.0

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	11.02	.5528	46.81	.1457	.7018	-.5295
Stddev	14.82	.6119	53.65	.6506	.4935	1.814
%RSD	134.5	110.7	114.6	446.6	70.33	342.6
#1	27.91	1.256	101.5	-.5141	1.258	-2.624
#2	4.960	.2575	44.73	.1646	.5318	.5283
#3	.1931	.1446	-5.776	.7866	.3157	.5076

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

Sample Name: CCB Acquired: 8/10/2012 12:21:47 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-2.965	.9274	.3075	.1672	2.520	2.646
Stddev	1.540	2.730	.7675	.3787	1.301	1.756
%RSD	51.95	294.4	249.6	226.4	51.64	66.36
#1	-1.210	3.135	1.109	.5974	3.940	4.642
#2	-3.592	1.772	.2351	-.1159	2.237	1.953
#3	-4.093	-2.125	-.4213	.0202	1.383	1.342

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

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	1.194	.6847	2.729	28.28
Stddev	1.547	.7394	1.617	11.40
%RSD	129.6	108.0	59.25	40.30
#1	1.644	1.532	3.296	16.28
#2	-.5282	.3507	3.987	38.96
#3	2.467	.1713	.9054	29.61

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	2395.3	26999.	2529.7
Stddev	3.2	57.	3.9
%RSD	.13446	.20962	.15324
#1	2398.7	27064.	2529.7
#2	2392.3	26960.	2525.8
#3	2394.8	26972.	2533.6

Sample Name: 460-42971-e-3-k ms@2 Acquired: 8/10/2012 12:25:34 Type: Unk
Method: SW8460080712(v2) 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	9483.	219.5	6.243	440.9	5.039	4807.
Stddev	33.	1.7	.387	1.3	.163	41.
%RSD	.3527	.7649	6.191	.3008	3.235	.8610

#1	9521.	221.4	6.540	442.3	4.856	4817.
#2	9463.	218.1	6.383	440.8	5.094	4842.
#3	9463.	219.0	5.806	439.7	5.167	4761.

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	5.226	53.29	51.21	268.5	17670.	2646.
Stddev	.165	.56	.04	3.8	47.	41.
%RSD	3.163	1.043	.0703	1.413	.2633	1.562

#1	5.062	53.54	51.24	266.0	17710.	2634.
#2	5.393	53.67	51.21	272.8	17680.	2691.
#3	5.224	52.65	51.17	266.5	17620.	2611.

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	2574.	96.90	2207.	62.57	3650.	42.87
Stddev	14.	.21	7.	.42	17.	1.71
%RSD	.5400	.2183	.3103	.6769	.4652	3.991

#1	2590.	96.93	2206.	63.05	3670.	42.65
#2	2566.	97.10	2214.	62.40	3641.	44.68
#3	2565.	96.68	2200.	62.25	3640.	41.28

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

Sample Name: 460-42971-e-3-k ms@2 Acquired: 8/10/2012 12:25:34 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	ppb	ppb	ppb	ppb	ppb	ppb
Avg	177.4	207.0	73.04	285.9	50.93	50.11
Stddev	2.5	2.8	1.17	.7	.77	.73
%RSD	1.426	1.357	1.600	.2288	1.512	1.462
#1	179.9	210.0	73.85	286.7	50.16	50.40
#2	177.5	206.8	73.56	285.7	51.70	50.66
#3	174.8	204.4	71.70	285.4	50.93	49.28

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

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	178.6	112.5	547.4	488.3
Stddev	1.3	.5	3.4	35.0
%RSD	.7320	.4587	.6252	7.175
#1	179.8	112.4	544.5	515.0
#2	177.2	113.1	551.2	501.4
#3	178.8	112.1	546.5	448.7

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	2433.3	27393.	2593.2
Stddev	1.0	84.	.9
%RSD	.04165	.30511	.03587
#1	2434.4	27354.	2594.3
#2	2432.5	27336.	2592.7
#3	2432.8	27489.	2592.7

Sample Name: pds 460-42971-e-3-i@ Acquired: 8/10/2012 12:29:11 Type: Unk
Method: SW8460080712(v2) 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	10460.	1982.	51.10	2296.	49.33	23300.
Stddev	21.	2.	1.04	7.	.52	75.
%RSD	.1991	.1227	2.029	.2831	1.061	.3235

#1	10430.	1985.	50.87	2299.	49.13	23220.
#2	10470.	1980.	50.19	2299.	49.92	23370.
#3	10470.	1982.	52.23	2288.	48.94	23310.

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	50.80	508.8	235.1	602.5	17960.	20340.
Stddev	.19	1.3	1.4	6.1	116.	90.
%RSD	.3734	.2500	.6034	1.019	.6449	.4421

#1	50.86	509.6	236.7	605.6	18090.	20370.
#2	50.95	509.6	234.5	595.4	17880.	20410.
#3	50.59	507.4	234.1	606.5	17910.	20240.

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	20650.	567.7	19910.	524.0	8185.	499.3
Stddev	119.	2.1	82.	.7	19.	1.7
%RSD	.5782	.3678	.4119	.1343	.2297	.3461

#1	20790.	570.0	19820.	523.9	8205.	501.2
#2	20560.	567.4	19990.	524.7	8183.	497.8
#3	20620.	565.8	19910.	523.3	8168.	499.0

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

Sample Name: pds 460-42971-e-3-i@ Acquired: 8/10/2012 12:29:11 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	1914.	2106.	513.7	743.6	497.9	498.3
Stddev	3.	3.	2.5	1.0	1.4	.6
%RSD	.1329	.1383	.4944	.1301	.2857	.1222

#1	1911.	2104.	516.6	743.9	499.0	498.5
#2	1914.	2109.	511.9	744.4	498.4	498.7
#3	1916.	2106.	512.6	742.5	496.3	497.6

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

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	641.9	546.0	929.5	391.3
Stddev	3.5	.3	4.0	21.8
%RSD	.5470	.0512	.4306	5.557

#1	645.3	546.1	925.0	381.7
#2	642.1	546.2	932.4	416.2
#3	638.2	545.7	931.2	376.1

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	2396.5	26869.	2583.8
Stddev	3.8	185.	6.8
%RSD	.15998	.69017	.26286

#1	2392.2	26659.	2587.6
#2	2397.8	26934.	2576.0
#3	2399.6	27013.	2587.9

Sample Name: 460-42934-a-70-a@20 Acquired: 8/10/2012 12:32:37 Type: Unk
Method: SW8460080712(v2) 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	3018.	80.49	1.914	373.6	.1194	281.8
Stddev	39.	1.64	.721	2.8	.1594	24.1
%RSD	1.306	2.035	37.69	.7463	133.5	8.563
#1	3030.	81.78	1.125	375.3	-.0264	309.0
#2	2974.	81.05	2.539	375.1	.2896	273.3
#3	3051.	78.65	2.077	370.4	.0949	263.0

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	-.9169	17.32	12.18	155.5	191100.	1287.
Stddev	.0512	.16	1.08	8.4	430.	49.
%RSD	5.580	.9028	8.893	5.426	.2251	3.786
#1	-.9695	17.14	13.34	163.1	191300.	1343.
#2	-.8673	17.41	12.00	146.4	191500.	1262.
#3	-.9139	17.41	11.20	156.9	190700.	1255.

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	45.25	20.22	-122.2	10.74	671.3	10.34
Stddev	4.12	.21	5.5	1.06	2.5	.28
%RSD	9.109	1.025	4.509	9.857	.3694	2.708
#1	44.44	20.44	-116.2	10.35	673.3	10.02
#2	49.72	20.03	-123.2	11.94	672.1	10.54
#3	41.60	20.18	-127.1	9.937	668.5	10.45

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

Sample Name: 460-42934-a-70-a@20 Acquired: 8/10/2012 12:32:37 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	.3309	4.193	20.92	178.4	.8989	11.01
Stddev	1.430	1.208	.14	1.1	.4788	.41
%RSD	432.3	28.80	.6673	.6256	53.26	3.708
#1	-.9287	5.009	20.79	178.8	.6987	11.25
#2	1.886	4.765	21.07	179.3	1.445	11.24
#3	.0355	2.806	20.89	177.1	.5527	10.54

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

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	12.08	40.73	144.4	263.1
Stddev	.49	.16	1.9	17.0
%RSD	4.038	.4004	1.313	6.450
#1	12.48	40.75	146.5	278.1
#2	12.22	40.89	143.7	266.5
#3	11.54	40.56	142.9	244.7

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	2391.9	27067.	2554.0
Stddev	2.8	71.	6.4
%RSD	.11802	.26288	.24964
#1	2393.3	27139.	2554.7
#2	2388.6	26996.	2547.3
#3	2393.6	27067.	2560.0

Sample Name: 460-43211-a-4-h du@4 Acquired: 8/10/2012 12:36:15 Type: Unk
Method: SW8460080712(v2) 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	38840.	7.637	-6093	113.8	1.926	726.2
Stddev	345.	.570	.9150	.6	.051	16.2
%RSD	.8870	7.461	150.2	.4918	2.658	2.235

#1	39230.	6.980	-1.656	114.4	1.868	724.0
#2	38700.	7.929	-2086	113.5	1.946	711.3
#3	38580.	8.001	.0371	113.4	1.964	743.5

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	-.3679	18.37	33.26	1.945	49710.	628.3
Stddev	.0992	.41	.22	6.312	266.	55.1
%RSD	26.97	2.215	.6633	324.5	.5343	8.763

#1	-.3475	18.37	33.22	9.124	50010.	577.5
#2	-.4758	18.79	33.49	-2.733	49590.	686.8
#3	-.2805	17.97	33.06	-.5567	49530.	620.7

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	1142.	837.7	30.84	18.87	26.00	-1.193
Stddev	7.	3.7	4.84	.32	1.59	1.201
%RSD	.5802	.4358	15.71	1.701	6.119	100.7

#1	1149.	841.9	25.27	18.97	24.81	-1.121
#2	1141.	835.7	34.06	18.51	27.80	-2.428
#3	1136.	835.4	33.19	19.13	25.38	-.0296

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

Sample Name: 460-43211-a-4-h du@4 Acquired: 8/10/2012 12:36:15 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-2.107	-.0256	61.95	45.21	2.459	-.0568
Stddev	4.618	2.140	.37	.03	.485	.2646
%RSD	219.2	8370.	.5970	.0718	19.73	465.9
#1	-2.576	2.146	61.53	45.25	1.987	.2443
#2	-6.473	-.0896	62.12	45.19	2.433	-.1628
#3	2.728	-2.133	62.21	45.19	2.956	-.2519

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

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	.7818	17.47	645.7	1169.
Stddev	.2982	.20	7.7	10.
%RSD	38.14	1.119	1.186	.8652
#1	.4471	17.36	654.5	1163.
#2	.8793	17.70	640.9	1164.
#3	1.019	17.36	641.6	1181.

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	2466.0	27787.	2609.4
Stddev	10.8	64.	26.9
%RSD	.43687	.23187	1.0311
#1	2454.2	27713.	2578.4
#2	2468.3	27831.	2623.0
#3	2475.4	27817.	2626.8

Sample Name: 460-43211-a-4-g@4 Acquired: 8/10/2012 12:39:55 Type: Unk
Method: SW8460080712(v2) 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	37990.	7.002	-2245	114.0	1.859	757.0
Stddev	227.	2.431	.7053	.5	.049	13.9
%RSD	.5964	34.71	314.2	.4575	2.660	1.836

#1	38110.	4.663	-8558	114.4	1.830	773.1
#2	38130.	6.829	.5368	114.3	1.831	749.7
#3	37730.	9.515	-.3544	113.4	1.916	748.4

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	-.2817	16.69	31.42	2.345	49560.	618.2
Stddev	.1192	.08	.39	3.857	70.	57.4
%RSD	42.30	.4537	1.237	164.5	.1407	9.284

#1	-.1635	16.62	31.82	-2.108	49520.	591.6
#2	-.2799	16.77	31.04	4.482	49640.	684.1
#3	-.4018	16.68	31.41	4.662	49510.	579.0

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	1122.	819.6	10.99	19.20	23.85	-1.936
Stddev	7.	3.5	14.37	.36	.13	.435
%RSD	.6387	.4245	130.7	1.877	.5331	22.48

#1	1130.	821.7	-4.613	19.44	23.87	-1.441
#2	1118.	821.6	23.67	18.79	23.71	-2.257
#3	1118.	815.6	13.92	19.38	23.96	-2.111

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

Sample Name: 460-43211-a-4-g@4 Acquired: 8/10/2012 12:39:55 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-.0143	.7365	62.37	45.09	2.394	-.0947
Stddev	1.749	2.201	.90	.29	1.336	.3538
%RSD	12220.	298.9	1.438	.6523	55.80	373.6
#1	1.798	-.2713	61.35	45.32	2.267	.2818
#2	-1.692	3.261	62.71	44.76	1.126	-.1457
#3	-.1488	-.7804	63.04	45.20	3.789	-.4202

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

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	.8918	16.11	655.1	1254.
Stddev	.3340	.11	5.5	22.
%RSD	37.45	.6570	.8435	1.793
#1	.8694	16.11	660.7	1280.
#2	1.236	16.00	654.9	1237.
#3	.5695	16.21	649.6	1246.

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	2466.5	27751.	2602.7
Stddev	2.9	30.	13.6
%RSD	.11559	.10717	.52420
#1	2465.4	27758.	2593.6
#2	2469.7	27718.	2596.2
#3	2464.3	27777.	2618.4

Sample Name: sd 460-43211-a-4-g@2 Acquired: 8/10/2012 12:43:35 Type: Unk
Method: SW8460080712(v2) 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	7604.	3.560	-.7098	22.79	.3668	168.7
Stddev	28.	1.487	.7067	.07	.0947	3.0
%RSD	.3690	41.76	99.57	.2871	25.81	1.750

#1	7626.	2.710	-.0415	22.85	.4140	170.4
#2	7613.	5.277	-1.449	22.72	.4286	170.4
#3	7572.	2.693	-.6383	22.81	.2578	165.3

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	-.0762	3.246	5.611	-2.855	9984.	77.21
Stddev	.0893	.235	.336	.327	22.	72.00
%RSD	117.1	7.253	5.985	11.46	.2252	93.25

#1	-.1514	3.157	5.945	-3.192	10000.	65.58
#2	.0225	3.513	5.273	-2.538	9988.	154.3
#3	-.0998	3.069	5.615	-2.835	9960.	11.74

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	227.8	165.5	6.638	4.179	6.341	-1.145
Stddev	4.2	.4	20.11	.118	1.333	2.021
%RSD	1.837	.2618	302.9	2.822	21.03	176.4

#1	232.1	165.5	-10.43	4.287	4.810	.3611
#2	223.8	165.9	1.538	4.196	7.251	-.3557
#3	227.5	165.0	28.81	4.053	6.960	-3.441

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

Sample Name: sd 460-43211-a-4-g@2 Acquired: 8/10/2012 12:43:35 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-.9532	2.334	12.13	9.120	.2940	.0797
Stddev	.6942	.979	.69	.274	.4066	.2369
%RSD	72.82	41.93	5.724	3.004	138.3	297.2
#1	-1.347	2.899	11.35	9.175	.1754	-.0436
#2	-1.361	1.204	12.67	8.823	.7467	-.0701
#3	-.1517	2.899	12.38	9.362	-.0402	.3528

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

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	-.2031	3.375	127.5	263.0
Stddev	1.252	.157	1.5	14.4
%RSD	616.6	4.658	1.158	5.456
#1	1.158	3.540	128.2	278.1
#2	-1.306	3.360	128.4	249.6
#3	-.4615	3.226	125.8	261.3

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	2430.4	27474.	2565.4
Stddev	5.7	62.	9.2
%RSD	.23329	.22594	.35828
#1	2432.2	27406.	2562.0
#2	2435.1	27489.	2575.9
#3	2424.1	27527.	2558.5

Sample Name: 460-43211-a-4-i ms@4 Acquired: 8/10/2012 12:47:17 Type: Unk
Method: SW8460080712(v2) 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	60000.	958.9	22.47	1134.	26.95	10870.
Stddev	133.	4.8	.55	2.	.23	54.
%RSD	.2209	.4981	2.430	.1916	.8684	.4958

#1	60030.	964.0	22.28	1132.	26.68	10820.
#2	60110.	958.3	22.05	1136.	27.07	10930.
#3	59850.	954.5	23.09	1133.	27.10	10850.

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	24.62	268.5	140.2	124.8	50710.	10500.
Stddev	.15	.4	.7	4.1	128.	41.
%RSD	.6043	.1321	.5033	3.301	.2524	.3875

#1	24.68	268.8	140.6	122.8	50570.	10460.
#2	24.45	268.7	139.4	129.6	50750.	10540.
#3	24.73	268.1	140.7	122.1	50820.	10500.

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	11250.	1041.	9949.	279.8	279.8	158.5
Stddev	51.	2.	18.	.7	1.7	3.3
%RSD	.4553	.2092	.1768	.2596	.6021	2.085

#1	11220.	1039.	9953.	279.8	281.8	157.0
#2	11230.	1042.	9964.	280.5	279.2	156.2
#3	11310.	1043.	9930.	279.1	278.6	162.3

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

Sample Name: 460-43211-a-4-i ms@4 Acquired: 8/10/2012 12:47:17 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	940.3	1046.	311.3	300.9	240.3	240.4
Stddev	2.9	2.	.9	.5	1.0	.8
%RSD	.3127	.2199	.2837	.1659	.4261	.3448
#1	942.8	1048.	310.4	301.0	240.4	241.2
#2	937.1	1048.	312.2	301.3	239.3	240.4
#3	941.0	1044.	311.4	300.3	241.4	239.6

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

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	247.7	260.9	973.4	2094.
Stddev	.1	1.0	2.6	16.
%RSD	.0449	.4008	.2694	.7412
#1	247.8	260.9	975.1	2097.
#2	247.6	261.9	974.6	2109.
#3	247.6	259.8	970.3	2078.

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	2426.7	27204.	2593.0
Stddev	2.0	25.	17.6
%RSD	.08316	.09086	.67814
#1	2425.3	27227.	2598.1
#2	2429.1	27207.	2573.5
#3	2425.9	27177.	2607.5

Sample Name: pds 460-43211-a-4-g@ Acquired: 8/10/2012 12:50:49 Type: Unk
Method: SW8460080712(v2) 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	39750.	1882.	45.45	2074.	49.47	20450.
Stddev	114.	5.	1.16	4.	.33	62.
%RSD	.2865	.2614	2.552	.1912	.6654	.3043

#1	39880.	1885.	45.41	2072.	49.57	20510.
#2	39690.	1885.	46.62	2079.	49.10	20450.
#3	39680.	1876.	44.31	2072.	49.73	20390.

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	48.36	505.5	228.7	236.7	50200.	19520.
Stddev	.08	.3	1.0	2.0	60.	147.
%RSD	.1576	.0669	.4468	.8388	.1200	.7533

#1	48.32	505.6	229.5	235.0	50170.	19500.
#2	48.44	505.7	227.5	238.9	50270.	19390.
#3	48.30	505.1	228.9	236.3	50180.	19680.

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	20280.	1313.	19260.	513.1	517.2	458.2
Stddev	48.	2.	54.	1.1	2.3	3.0
%RSD	.2366	.1238	.2780	.2150	.4387	.6504

#1	20240.	1314.	19300.	512.0	514.9	461.3
#2	20330.	1313.	19270.	514.2	519.4	455.4
#3	20270.	1311.	19200.	513.2	517.5	458.0

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

Sample Name: pds 460-43211-a-4-g@ Acquired: 8/10/2012 12:50:49 Type: Unk
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

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.	2019.	537.9	527.5	471.7	479.5
Stddev	3.	6.	.7	1.2	.6	1.2
%RSD	.1658	.2997	.1335	.2293	.1208	.2534
#1	1842.	2020.	538.3	526.5	471.1	478.9
#2	1839.	2025.	537.0	528.8	472.3	480.9
#3	1836.	2013.	538.2	527.1	471.7	478.7

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

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	494.4	483.9	1147.	1319.
Stddev	1.8	2.0	1.	16.
%RSD	.3676	.4182	.0956	1.198
#1	493.8	486.2	1148.	1310.
#2	496.4	483.5	1146.	1337.
#3	492.9	482.2	1147.	1309.

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	2416.0	27200.	2584.4
Stddev	8.4	62.	8.3
%RSD	.34689	.22891	.32244
#1	2420.8	27268.	2580.2
#2	2406.3	27145.	2579.0
#3	2421.0	27189.	2594.0

Sample Name: 460-42952-a-3-c@4 Acquired: 8/10/2012 12:54:16 Type: Unk
Method: SW8460080712(v2) 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	10490.	260.8	19.01	1367.	.6604	6302.
Stddev	48.	2.5	.19	3.	.2308	21.
%RSD	.4559	.9514	1.019	.2357	34.95	.3332
#1	10510.	260.7	19.21	1370.	.8738	6303.
#2	10430.	263.3	18.83	1367.	.4154	6280.
#3	10520.	258.4	18.98	1363.	.6921	6322.

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	12.53	65.82	45.92	1795.	F 579800.	1895.
Stddev	.21	.44	.29	8.	576.	59.
%RSD	1.650	.6661	.6394	.4255	.0994	3.120
#1	12.72	66.14	45.82	1786.	580100.	1958.
#2	12.55	66.00	45.69	1798.	580100.	1840.
#3	12.31	65.32	46.26	1801.	579100.	1886.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

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	5134.	281.1	-67.17	35.10	F 32000.	18.77
Stddev	3.	.6	14.98	.34	75.	1.26
%RSD	.0597	.2189	22.29	.9759	.2352	6.707
#1	5138.	281.8	-54.50	35.34	32060.	20.20
#2	5132.	281.2	-83.70	34.71	32020.	17.85
#3	5133.	280.5	-63.32	35.25	31920.	18.26

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: 460-42952-a-3-c@4 Acquired: 8/10/2012 12:54:16 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-5.432	10.56	49.73	F 5897.	4.531	25.17
Stddev	1.164	1.61	.34	19.	.293	.27
%RSD	21.43	15.27	.6917	.3206	6.458	1.061
#1	-4.221	10.75	49.42	5913.	4.287	25.43
#2	-6.543	12.08	50.10	5901.	4.451	25.20
#3	-5.533	8.868	49.67	5876.	4.856	24.89

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

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	142.9	202.7	646.6	675.1
Stddev	1.5	.1	.7	4.5
%RSD	1.022	.0333	.1097	.6595
#1	143.8	202.6	645.8	677.0
#2	143.6	202.7	647.2	678.4
#3	141.2	202.8	646.8	670.1

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	2358.9	26649.	2545.1
Stddev	6.0	23.	17.4
%RSD	.25389	.08770	.68553
#1	2360.1	26672.	2558.6
#2	2364.2	26650.	2551.4
#3	2352.4	26625.	2525.4

Sample Name: lcssrm 460-123402/2- Acquired: 8/10/2012 12:57:49 Type: QC

Method: SW8460080712(v2) 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	31440.	800.1	200.4	989.4	541.3	35460.
Stddev	24.	6.9	1.9	1.3	.9	26.
%RSD	.0761	.8637	.9230	.1296	.1624	.0721

#1	31430.	805.8	198.8	988.2	542.3	35470.
#2	31460.	802.1	200.0	990.7	540.8	35480.
#3	31420.	792.4	202.5	989.2	540.7	35430.

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	552.6	713.6	614.3	604.6	57740.	13160.
Stddev	.2	1.5	.3	4.6	163.	8.
%RSD	.0303	.2032	.0521	.7640	.2818	.0642

#1	552.6	713.3	614.0	609.6	57670.	13160.
#2	552.4	715.2	614.7	603.5	57930.	13160.
#3	552.7	712.3	614.3	600.6	57630.	13170.

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	12380.	1785.	1593.	390.5	399.7	1055.
Stddev	25.	2.	13.	.9	2.6	2.
%RSD	.2020	.0864	.8096	.2220	.6459	.2333

#1	12370.	1784.	1596.	391.2	402.7	1056.
#2	12410.	1786.	1605.	390.8	398.1	1056.
#3	12370.	1787.	1579.	389.5	398.3	1052.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass

High Limit

Low Limit

Sample Name: lcssrm 460-123402/2- Acquired: 8/10/2012 12:57:49 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	608.3	1119.	423.4	1420.	424.3	364.5
Stddev	4.8	5.	.1	2.	2.4	1.0
%RSD	.7959	.4871	.0224	.1289	.5598	.2704

#1	613.9	1122.	423.4	1421.	421.6	363.6
#2	605.6	1122.	423.5	1422.	425.7	365.6
#3	605.4	1113.	423.3	1418.	425.7	364.4

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

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	697.1	666.7	814.1	F 1878.
Stddev	2.2	.8	3.2	31.
%RSD	.3129	.1155	.3937	1.656

#1	698.0	666.1	811.7	1903.
#2	698.6	667.5	817.7	1888.
#3	694.6	666.3	812.7	1843.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				81000.
Low Limit				24200.

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	2446.1	27554.	2629.1
Stddev	2.2	18.	10.3
%RSD	.09181	.06684	.39019

#1	2448.6	27535.	2628.4
#2	2445.4	27572.	2619.3
#3	2444.3	27556.	2639.8

Sample Name: CCV Acquired: 8/10/2012 13:01:19 Type: QC
Method: SW8460080712(v2) 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	125000.	2510.	1255.	10070.	987.7	125100.
Stddev	365.	11.	1.	6.	7.4	723.
%RSD	.2921	.4298	.1175	.0599	.7455	.5781

#1	124600.	2499.	1254.	10060.	979.5	124200.
#2	125100.	2521.	1254.	10070.	989.8	125300.
#3	125300.	2509.	1257.	10080.	993.8	125600.

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.	2537.	5103.	12350.	101700.	49480.
Stddev	1.	4.	3.	88.	135.	249.
%RSD	.0546	.1685	.0542	.7113	.1328	.5035

#1	1264.	2532.	5105.	12250.	101700.	49270.
#2	1265.	2538.	5100.	12400.	101500.	49410.
#3	1265.	2541.	5104.	12400.	101800.	49750.

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	127900.	5115.	124600.	2550.	7663.	1008.
Stddev	168.	8.	395.	2.	8.	7.
%RSD	.1317	.1568	.3166	.0959	.1059	.6539

#1	127800.	5106.	124200.	2548.	7654.	1001.
#2	127700.	5119.	124800.	2549.	7671.	1014.
#3	128000.	5120.	124900.	2552.	7663.	1008.

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

Sample Name: CCV Acquired: 8/10/2012 13:01:19 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	2505.	2537.	2490.	2530.	995.3	2509.
Stddev	2.	3.	5.	4.	1.7	9.
%RSD	.0991	.1113	.1987	.1424	.1731	.3529

#1	2502.	2534.	2489.	2526.	993.9	2499.
#2	2507.	2538.	2486.	2533.	997.2	2512.
#3	2506.	2539.	2496.	2532.	994.8	2516.

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

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	1010.	4977.	10040.	9877.
Stddev	6.	26.	32.	118.
%RSD	.6313	.5163	.3190	1.198

#1	1003.	4948.	10010.	9776.
#2	1016.	4988.	10040.	9849.
#3	1010.	4997.	10070.	10010.

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	2218.8	25153.	2481.8
Stddev	4.2	18.	1.9
%RSD	.18999	.07276	.07475

#1	2222.7	25161.	2480.1
#2	2219.4	25167.	2483.8
#3	2214.3	25133.	2481.5

Sample Name: CCB Acquired: 8/10/2012 13:04:40 Type: QC
Method: SW8460080712(v2) 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	7.950	.8728	.1203	.6387	-.0521	14.86
Stddev	30.93	2.465	1.326	.5615	.1228	14.82
%RSD	389.1	282.5	1102.	87.92	235.7	99.72
#1	38.16	2.579	-.7335	1.272	-.0290	18.44
#2	-23.65	-1.954	-.5532	.4427	.0575	27.56
#3	9.336	1.993	1.648	.2015	-.1848	-1.421

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	.0835	.2372	-.5101	-5.266	20.86	74.76
Stddev	.1656	.5114	.9908	2.058	23.49	28.00
%RSD	198.3	215.6	194.3	39.09	112.6	37.45
#1	.2685	.6710	.5992	-3.218	29.66	87.48
#2	.0333	-.3266	-1.307	-5.246	38.69	42.66
#3	-.0512	.3673	-.8219	-7.334	-5.749	94.13

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	12.21	.4817	30.07	.4037	1.401	-.8375
Stddev	15.71	.4563	23.85	.1242	.957	2.438
%RSD	128.7	94.73	79.34	30.75	68.31	291.2
#1	29.73	1.003	55.49	.5469	.4633	.7486
#2	-.6246	.2851	26.54	.3390	2.377	-3.645
#3	7.515	.1566	8.175	.3253	1.364	.3842

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

Sample Name: CCB Acquired: 8/10/2012 13:04:40 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-2.132	.5576	.5759	.0647	1.719	2.624
Stddev	4.560	.7426	.5973	.1262	.261	1.480
%RSD	213.9	133.2	103.7	195.1	15.17	56.41

#1	-.6254	1.165	1.197	.1941	2.007	4.231
#2	-7.255	.7779	.5248	-.0581	1.650	2.326
#3	1.484	-.2702	.0057	.0582	1.500	1.316

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

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	.2498	.7504	2.237	8.289
Stddev	.2408	.4929	1.888	8.065
%RSD	96.40	65.69	84.39	97.30

#1	.4630	1.316	4.016	-.2638
#2	.2978	.5242	2.439	15.76
#3	-.0114	.4111	.2562	9.374

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	2394.7	27107.	2520.8
Stddev	2.6	73.	11.4
%RSD	.11063	.26911	.45236

#1	2397.7	27160.	2521.0
#2	2393.5	27024.	2532.1
#3	2392.8	27138.	2509.3

Sample Name: mb 460-123402/1-a@2 Acquired: 8/10/2012 13:08:27 Type: QC
Method: SW8460080712(v2) 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	.8044	-.5764	-.1559	.1905	-.2021	47.15
Stddev	3.651	.8078	.6871	.0247	.0216	3.45
%RSD	453.8	140.1	440.7	12.95	10.69	7.326
#1	-2.422	.2994	-.9075	.1857	-.1917	50.59
#2	.0686	-.7365	.0000	.2172	-.2269	47.17
#3	4.767	-1.292	.4399	.1686	-.1876	43.68

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	-.0813	.1215	-.5279	-7.460	3.928	-8.764
Stddev	.2595	.3080	.3765	.752	8.074	63.86
%RSD	319.1	253.6	71.33	10.07	205.5	728.7
#1	.2131	.2915	-.2471	-7.754	6.667	15.07
#2	-.1803	.3070	-.3807	-8.021	10.28	-81.12
#3	-.2767	-.2341	-.9558	-6.606	-5.158	39.75

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	4.258	.0312	19.38	.1518	2.603	-1.788
Stddev	2.954	.0879	14.11	.4664	1.316	2.991
%RSD	69.38	281.7	72.78	307.3	50.54	167.3
#1	3.172	-.0050	33.42	-.3838	3.917	1.186
#2	7.602	.1314	19.52	.4687	2.606	-1.753
#3	2.001	-.0328	5.207	.3705	1.286	-4.796

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

Sample Name: mb 460-123402/1-a@2 Acquired: 8/10/2012 13:08:27 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-3830	1.262	.0300	.1185	4.974	.8858
Stddev	1.973	.595	.5092	.2752	1.019	.6240
%RSD	515.1	47.12	1697.	232.1	20.50	70.45
#1	-1.273	1.647	-.1765	.3975	5.989	1.480
#2	-1.754	.5770	.6100	.1109	3.950	.9423
#3	1.878	1.561	-.3434	-.1527	4.983	.2355

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

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	.7861	.2314	-.9461	31.16
Stddev	.3142	.0723	1.805	12.23
%RSD	39.98	31.24	190.8	39.25
#1	.8852	.1514	-2.802	37.20
#2	1.039	.2919	-.8387	17.08
#3	.4342	.2508	.8029	39.19

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	2323.7	26633.	2468.9
Stddev	1.8	186.	5.8
%RSD	.07646	.69862	.23456
#1	2322.3	26419.	2462.7
#2	2323.0	26747.	2474.2
#3	2325.7	26734.	2469.9

Sample Name: 460-43252-b-1-a@4 Acquired: 8/10/2012 13:12:12 Type: Unk
Method: SW8460080712(v2) 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	55710.	25.39	42.48	390.6	2.386	5385.
Stddev	302.	1.05	.93	1.5	.111	37.
%RSD	.5428	4.147	2.180	.3893	4.660	.6915

#1	56050.	24.93	43.48	392.4	2.271	5425.
#2	55490.	24.64	41.65	390.0	2.493	5379.
#3	55590.	26.59	42.30	389.5	2.394	5351.

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	8.923	26.67	105.1	1053.	90660.	1633.
Stddev	.081	.41	.4	11.	237.	31.
%RSD	.9029	1.555	.3378	1.058	.2616	1.874

#1	8.836	27.13	105.2	1066.	90930.	1620.
#2	8.995	26.32	105.3	1045.	90500.	1667.
#3	8.939	26.55	104.7	1050.	90550.	1610.

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	3328.	941.5	52.05	101.1	690.0	.0052
Stddev	12.	3.7	10.02	.6	2.7	1.688
%RSD	.3627	.3931	19.25	.5915	.3900	32480.

#1	3342.	945.8	41.38	100.6	693.1	.8253
#2	3320.	939.2	53.52	100.9	688.6	1.126
#3	3322.	939.5	61.25	101.7	688.4	-1.936

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

Sample Name: 460-43252-b-1-a@4 Acquired: 8/10/2012 13:12:12 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-3.930	-.9164	114.7	1060.	17.58	7.338
Stddev	2.670	.7003	.7	2.	1.13	.044
%RSD	67.95	76.41	.6061	.2080	6.424	.6024
#1	-1.671	-1.347	114.8	1062.	16.33	7.292
#2	-3.241	-.1084	113.9	1060.	17.90	7.343
#3	-6.877	-1.294	115.3	1058.	18.51	7.380

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

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	44.34	59.56	422.3	1098.
Stddev	1.83	.27	5.8	16.
%RSD	4.128	.4560	1.383	1.458
#1	46.28	59.76	423.2	1094.
#2	44.08	59.25	416.1	1085.
#3	42.65	59.67	427.7	1116.

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	2472.5	27902.	2645.9
Stddev	7.5	53.	17.4
%RSD	.30245	.18818	.65951
#1	2466.9	27868.	2626.7
#2	2481.0	27963.	2660.8
#3	2469.7	27876.	2650.3

Sample Name: 460-43252-a-2-b@4 Acquired: 8/10/2012 13:15:47 Type: Unk
Method: SW8460080712(v2) 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	92560.	68.99	147.2	1913.	2.663	17660.
Stddev	483.	1.05	.5	5.	.064	123.
%RSD	.5221	1.515	.3349	.2605	2.395	.6965

#1	92070.	70.18	147.6	1912.	2.736	17530.
#2	92570.	68.57	147.4	1919.	2.632	17680.
#3	93030.	68.22	146.7	1909.	2.620	17780.

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	39.75	72.14	357.6	6551.	F 264200.	3958.
Stddev	.22	.33	.7	49.	238.	58.
%RSD	.5604	.4584	.2050	.7540	.0899	1.472

#1	39.61	71.78	357.5	6499.	264000.	3930.
#2	40.01	72.42	356.9	6555.	264500.	3919.
#3	39.63	72.22	358.3	6598.	264300.	4025.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

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	7405.	3066.	787.2	1121.	9678.	11.06
Stddev	14.	4.	7.5	2.	27.	1.30
%RSD	.1942	.1269	.9484	.2022	.2769	11.72

#1	7389.	3062.	793.0	1120.	9663.	9.766
#2	7408.	3069.	778.8	1123.	9709.	12.36
#3	7417.	3069.	789.9	1119.	9662.	11.05

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

Sample Name: 460-43252-a-2-b@4 Acquired: 8/10/2012 13:15:47 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-5.226	-15.51	4028.	F 8645.	96.02	41.38
Stddev	5.659	5.35	10.	24.	.78	.04
%RSD	108.3	34.52	.2469	.2819	.8156	.0894

#1	.4903	-18.49	4017.	8634.	96.09	41.39
#2	-5.342	-18.70	4032.	8673.	96.76	41.40
#3	-10.83	-9.327	4036.	8629.	95.20	41.33

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

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	406.4	254.2	884.9	2487.
Stddev	1.9	.9	5.1	53.
%RSD	.4595	.3702	.5812	2.121

#1	405.7	253.4	879.2	2541.
#2	408.6	254.1	886.4	2484.
#3	405.1	255.2	889.2	2436.

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	2428.0	27323.	2615.7
Stddev	10.4	111.	10.7
%RSD	.42781	.40488	.40954

#1	2438.5	27432.	2625.0
#2	2417.8	27326.	2618.2
#3	2427.7	27211.	2604.0

Sample Name: 460-43252-a-3-b@4 Acquired: 8/10/2012 13:19:19 Type: Unk
Method: SW8460080712(v2) 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	58600.	53.81	23.67	854.6	3.346	11350.
Stddev	121.	2.29	.74	3.7	.100	12.
%RSD	.2065	4.256	3.114	.4305	2.981	.1039

#1	58570.	54.65	23.76	854.9	3.240	11350.
#2	58740.	55.56	22.89	858.1	3.359	11360.
#3	58500.	51.22	24.35	850.7	3.438	11340.

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	41.52	37.99	140.0	2316.	F 233200.	3146.
Stddev	.16	.22	.9	11.	286.	52.
%RSD	.3827	.5791	.6688	.4557	.1229	1.656

#1	41.70	37.83	139.6	2305.	233100.	3090.
#2	41.46	38.24	141.1	2326.	233400.	3157.
#3	41.40	37.90	139.4	2316.	232900.	3192.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

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	6702.	1413.	196.6	161.5	961.6	-.3517
Stddev	7.	.	8.1	1.0	5.0	1.683
%RSD	.1047	.0104	4.103	.6487	.5161	478.6

#1	6710.	1413.	202.8	160.4	963.9	-.6853
#2	6699.	1413.	199.5	162.5	965.1	-1.843
#3	6696.	1413.	187.5	161.7	956.0	1.473

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

Sample Name: 460-43252-a-3-b@4 Acquired: 8/10/2012 13:19:19 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.260	-2.420	357.8	2323.	48.40	32.58
Stddev	.802	.395	.7	6.	1.01	.28
%RSD	35.49	16.30	.1964	.2520	2.083	.8592
#1	-1.412	-2.871	358.5	2325.	48.56	32.30
#2	-2.361	-2.139	357.1	2327.	49.31	32.86
#3	-3.007	-2.250	357.8	2316.	47.32	32.60

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

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	391.5	117.3	714.4	1385.
Stddev	1.8	.5	1.1	16.
%RSD	.4643	.4206	.1573	1.131
#1	390.1	116.8	713.7	1403.
#2	393.6	117.8	715.7	1373.
#3	390.8	117.4	713.7	1380.

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	2477.1	28040.	2662.5
Stddev	2.3	35.	5.9
%RSD	.09154	.12509	.22125
#1	2475.0	28059.	2668.9
#2	2476.7	28062.	2661.3
#3	2479.5	28000.	2657.3

Sample Name: 460-42952-a-3-c@20 Acquired: 8/10/2012 13:22:51 Type: Unk
Method: SW8460080712(v2) 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	2110.	52.68	2.882	275.9	.1003	1252.
Stddev	6.	1.16	.765	1.5	.1167	13.
%RSD	.2958	2.192	26.55	.5410	116.4	1.027

#1	2117.	53.41	2.877	277.3	.2280	1246.
#2	2107.	53.30	2.119	276.1	-.0008	1267.
#3	2106.	51.35	3.649	274.3	.0736	1243.

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	2.406	13.24	9.085	357.8	117700.	413.4
Stddev	.125	.53	.640	3.0	102.	118.1
%RSD	5.192	4.010	7.049	.8498	.0868	28.56

#1	2.529	13.75	8.947	361.2	117700.	285.9
#2	2.410	13.28	9.783	357.0	117800.	519.0
#3	2.279	12.69	8.525	355.3	117600.	435.3

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	1061.	57.51	-33.81	6.986	6622.	1.146
Stddev	2.	.18	21.97	.042	20.	1.101
%RSD	.1553	.3154	64.99	.6042	.3031	96.09

#1	1060.	57.30	-8.523	6.995	6630.	1.696
#2	1063.	57.61	-44.68	6.940	6637.	1.864
#3	1060.	57.62	-48.23	7.023	6599.	-.1219

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

Sample Name: 460-42952-a-3-c@20 Acquired: 8/10/2012 13:22:51 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-5.541	2.177	9.819	1206.	.2858	4.674
Stddev	3.025	1.646	.328	4.	.5563	.076
%RSD	54.59	75.61	3.335	.3324	194.7	1.618
#1	-3.668	2.756	9.460	1209.	.9116	4.656
#2	-3.925	3.455	10.10	1207.	.0982	4.756
#3	-9.031	.3197	9.895	1202.	-.1525	4.608

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

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	28.95	41.29	128.9	152.3
Stddev	.45	.12	2.3	10.6
%RSD	1.541	.3026	1.754	6.965
#1	29.16	41.41	131.4	140.2
#2	29.25	41.16	127.1	156.2
#3	28.43	41.30	128.1	160.3

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	2400.1	27192.	2557.0
Stddev	1.5	54.	3.5
%RSD	.06118	.19721	.13817
#1	2401.3	27254.	2556.6
#2	2400.6	27162.	2560.7
#3	2398.5	27160.	2553.6

Sample Name: 460-43223-a-2-j du@5 Acquired: 8/10/2012 13:26:28 Type: Unk
Method: SW8460080712(v2) 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	90.41	4.490	-6901	107.8	.0501	5144.
Stddev	18.90	1.312	.2581	.6	.2038	43.
%RSD	20.90	29.23	37.40	.5606	407.0	.8294
#1	88.00	5.436	-.8245	108.1	.2750	5187.
#2	110.4	2.991	-.3926	108.2	-.1225	5143.
#3	72.84	5.041	-.8533	107.1	-.0023	5101.

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	.1361	2.664	1.774	-8.701	9505.	-283.6
Stddev	.1058	.444	.924	.359	41.	41.7
%RSD	77.73	16.68	52.07	4.131	.4289	14.70
#1	.2127	2.392	2.005	-8.978	9552.	-261.7
#2	.1801	3.176	2.560	-8.295	9488.	-257.4
#3	.0154	2.422	.7565	-8.831	9476.	-331.7

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	550.8	104.4	F 260500.	9.239	45.51	.7566
Stddev	8.3	.4	2742.	.277	1.77	3.057
%RSD	1.504	.3608	1.052	3.000	3.887	404.1
#1	558.9	104.7	263600.	9.152	47.40	-.7462
#2	551.2	104.5	259700.	9.549	45.23	-1.258
#3	542.3	104.0	258300.	9.015	43.89	4.274

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

Sample Name: 460-43223-a-2-j du@5 Acquired: 8/10/2012 13:26:28 Type: Unk
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

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	-4.458	1.751	.7979	88.99	8.380	.0796
Stddev	1.300	1.183	.3018	.56	.535	.0386
%RSD	29.16	67.55	37.82	.6343	6.390	48.44
#1	-5.913	1.404	1.050	89.15	8.068	.0473
#2	-3.410	3.068	.4633	89.46	8.073	.0693
#3	-4.052	.7802	.8807	88.36	8.998	.1223

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

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	.8174	41.16	-1.895	355.3
Stddev	.4953	.15	1.809	22.8
%RSD	60.59	.3701	95.46	6.424
#1	1.292	41.31	-3.821	340.1
#2	.8562	41.00	-.2309	344.2
#3	.3038	41.19	-1.634	381.6

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	2314.2	25635.	2513.0
Stddev	3.6	120.	13.6
%RSD	.15501	.46659	.54155
#1	2311.4	25497.	2499.1
#2	2312.9	25699.	2526.3
#3	2318.2	25709.	2513.7

Sample Name: 460-43223-a-2-i@5 Acquired: 8/10/2012 13:30:09 Type: Unk

Method: SW8460080712(v2) 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	101.1	-4806	-1.061	109.2	-.0434	5195.
Stddev	5.6	2.252	.633	.4	.2088	24.
%RSD	5.510	468.5	59.65	.3623	480.9	.4541

#1	96.63	.7869	-.3463	109.5	-.2830	5211.
#2	107.4	-3.080	-1.286	109.3	.0526	5168.
#3	99.36	.8517	-1.551	108.8	.1001	5207.

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	.1536	2.745	2.226	-.7645	9570.	-332.9
Stddev	.1029	.266	.276	2.292	23.	34.6
%RSD	66.97	9.684	12.38	299.8	.2355	10.40

#1	.2721	2.538	2.267	-2.366	9596.	-361.0
#2	.1016	2.653	2.479	-1.788	9560.	-294.2
#3	.0871	3.045	1.933	1.861	9554.	-343.4

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	562.4	105.4	F 262300.	9.346	47.14	-2.406
Stddev	10.5	.6	1539.	1.229	1.07	1.449
%RSD	1.860	.5272	.5869	13.15	2.261	60.21

#1	564.0	106.0	263700.	10.60	48.12	-2.151
#2	551.2	105.3	262500.	9.295	47.28	-3.966
#3	572.0	104.9	260700.	8.144	46.01	-1.102

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

Sample Name: 460-43223-a-2-i@5 Acquired: 8/10/2012 13:30:09 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-1.157	-1.065	.1470	91.08	8.935	-.3042
Stddev	3.563	2.028	.4612	.24	.680	.2599
%RSD	308.0	190.4	313.7	.2601	7.614	85.45
#1	2.092	-3.311	-.2397	91.22	8.720	-.0541
#2	-4.968	-.5186	.0232	91.21	8.388	-.2855
#3	-.5951	.6339	.6575	90.81	9.697	-.5729

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

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	.8289	41.61	-.6308	387.5
Stddev	.5213	.42	.1520	17.3
%RSD	62.89	1.014	24.10	4.456
#1	1.265	42.10	-.4552	367.7
#2	.2513	41.39	-.7169	399.4
#3	.9707	41.35	-.7202	395.4

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	2315.1	25669.	2517.0
Stddev	2.8	32.	7.2
%RSD	.12090	.12607	.28424
#1	2311.9	25643.	2510.6
#2	2316.6	25706.	2515.7
#3	2316.9	25659.	2524.7

Sample Name: sd 460-43223-a-2-i@2 Acquired: 8/10/2012 13:33:49 Type: Unk
Method: SW8460080712(v2) 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	39.96	1.215	-1.660	21.74	-1.476	1039.
Stddev	19.82	.527	1.079	.16	.1556	18.
%RSD	49.60	43.40	649.8	.7561	105.4	1.770
#1	55.99	1.572	-1.068	21.82	.0132	1058.
#2	46.08	.6092	1.028	21.55	-.2975	1037.
#3	17.80	1.463	-.4580	21.86	-.1587	1022.

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	.5387	.1266	-5.311	1888.	-74.52
Stddev	.1056	.3181	.4043	1.220	15.	93.99
%RSD	348.8	59.06	319.3	22.97	.7797	126.1
#1	.0836	.8361	.5139	-6.470	1872.	-168.1
#2	-.0496	.5766	-.2927	-5.424	1901.	19.84
#3	-.1249	.2033	.1587	-4.038	1891.	-75.25

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	111.9	20.63	53420.	1.938	9.342	-2.188
Stddev	3.6	.02	387.	.252	1.474	1.752
%RSD	3.181	.1064	.7242	13.00	15.77	80.10
#1	112.3	20.61	53860.	2.211	10.42	-.7469
#2	115.2	20.62	53210.	1.891	7.664	-4.139
#3	108.2	20.65	53180.	1.713	9.938	-1.678

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

Sample Name: sd 460-43223-a-2-i@2 Acquired: 8/10/2012 13:33:49 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-2.339	2.312	.0346	17.92	.6866	-.1256
Stddev	.371	.948	.3266	.05	.5175	.1932
%RSD	15.88	40.99	943.2	.2604	75.37	153.8
#1	-2.039	2.093	-.1795	17.88	.1087	.0966
#2	-2.223	3.349	-.1272	17.97	1.107	-.2200
#3	-2.754	1.493	.4106	17.91	.8441	-.2535

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

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	-.2855	8.152	.8213	73.22
Stddev	1.691	.222	1.206	4.78
%RSD	592.3	2.717	146.8	6.528
#1	-2.042	8.408	1.014	77.37
#2	-.1464	8.021	-.4691	67.99
#3	1.332	8.028	1.919	74.30

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	2358.7	26528.	2514.8
Stddev	4.7	147.	9.9
%RSD	.19814	.55294	.39313
#1	2356.1	26608.	2506.8
#2	2364.1	26618.	2525.9
#3	2356.0	26359.	2511.8

Sample Name: 460-43223-a-2-k ms@5 Acquired: 8/10/2012 13:37:34 Type: Unk
Method: SW8460080712(v2) 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	1173.	1029.	102.9	2278.	218.4	9731.
Stddev	13.	4.	.5	6.	1.1	48.
%RSD	1.069	.3652	.5321	.2516	.5092	.4958

#1	1187.	1029.	102.3	2283.	217.3	9686.
#2	1163.	1033.	103.2	2280.	219.5	9782.
#3	1170.	1026.	103.3	2272.	218.5	9725.

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	227.0	228.5	1118.	215.8	10040.	4045.
Stddev	.7	.7	6.	3.8	42.	32.
%RSD	.3068	.3116	.5706	1.755	.4183	.7817

#1	227.8	228.8	1124.	218.3	10090.	4081.
#2	226.7	229.1	1111.	211.4	10010.	4034.
#3	226.5	227.7	1118.	217.6	10020.	4021.

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	4959.	336.1	F 269100.	239.0	1151.	211.7
Stddev	19.	2.3	691.	1.2	3.	4.7
%RSD	.3733	.6967	.2566	.5115	.2786	2.198

#1	4972.	338.7	269700.	240.4	1155.	208.2
#2	4937.	334.1	269300.	238.2	1150.	217.0
#3	4967.	335.4	268400.	238.4	1149.	209.9

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

Sample Name: 460-43223-a-2-k ms@5 Acquired: 8/10/2012 13:37:34 Type: Unk
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

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	216.3	223.2	109.2	321.2	217.3	215.9
Stddev	3.6	1.7	1.1	1.1	1.0	.4
%RSD	1.680	.7477	1.015	.3486	.4572	.2062
#1	212.3	221.5	108.9	322.3	218.4	216.4
#2	217.1	223.4	108.2	321.3	216.5	215.6
#3	219.4	224.8	110.4	320.1	216.9	215.7

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

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	163.1	258.6	201.1	367.7
Stddev	2.2	1.0	2.2	8.4
%RSD	1.344	.3788	1.111	2.279
#1	160.9	257.5	199.9	358.4
#2	165.3	259.5	203.7	370.1
#3	163.0	258.7	199.7	374.7

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	2307.1	25595.	2519.0
Stddev	14.3	197.	9.9
%RSD	.61865	.76951	.39123
#1	2290.9	25424.	2511.5
#2	2312.7	25810.	2530.2
#3	2317.7	25549.	2515.5

Sample Name: lcs 460-123427/2-a Acquired: 8/10/2012 13:41:05 Type: QC
Method: SW8460080712(v2) 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	5240.	4925.	496.7	10670.	1058.	21700.
Stddev	9.	34.	3.2	64.	6.	107.
%RSD	.1655	.6840	.6458	.6016	.6043	.4924

#1	5250.	4922.	499.1	10650.	1057.	21700.
#2	5238.	4960.	493.1	10740.	1051.	21590.
#3	5233.	4893.	498.0	10620.	1064.	21800.

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	1098.	1120.	5299.	1061.	1099.	21080.
Stddev	7.	7.	23.	3.	10.	91.
%RSD	.6306	.6372	.4249	.3133	.9244	.4311

#1	1096.	1118.	5325.	1061.	1101.	21180.
#2	1106.	1127.	5287.	1058.	1088.	21060.
#3	1093.	1113.	5284.	1065.	1108.	21000.

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	21410.	1107.	21370.	1137.	5463.	1038.
Stddev	116.	1.	60.	7.	36.	5.
%RSD	.5429	.0762	.2812	.6128	.6671	.4801

#1	21540.	1108.	21380.	1135.	5446.	1035.
#2	21330.	1107.	21300.	1145.	5505.	1043.
#3	21360.	1107.	21420.	1131.	5439.	1035.

Check ?	None	None	None	Chk Pass	Chk Pass	None
Value						
Range						

Sample Name: lcs 460-123427/2-a Acquired: 8/10/2012 13:41:05 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	1031.	1149.	514.5	1092.	1024.	1056.
Stddev	3.	14.	.9	7.	7.	7.
%RSD	.3169	1.180	.1683	.6385	.6503	.6416

#1	1030.	1144.	515.4	1090.	1020.	1053.
#2	1035.	1165.	513.7	1099.	1031.	1063.
#3	1029.	1139.	514.4	1086.	1020.	1051.

Check ?	Chk Pass	None	None	Chk Pass	None	None
Value						
Range						

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	806.7	1055.	978.2	-7.836
Stddev	5.7	4.	7.2	13.83
%RSD	.7084	.4044	.7388	176.5

#1	802.1	1057.	982.9	-1.888
#2	813.1	1051.	969.9	-23.64
#3	804.9	1059.	981.8	2.023

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	2324.9	26555.	2535.7
Stddev	9.1	74.	8.9
%RSD	.39314	.27985	.35146

#1	2333.9	26583.	2532.0
#2	2315.6	26612.	2545.9
#3	2325.2	26471.	2529.2

Sample Name: CCV Acquired: 8/10/2012 13:44:32 Type: QC
Method: SW8460080712(v2) 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	124800.	2503.	1251.	10010.	993.6	125700.
Stddev	231.	8.	2.	15.	1.4	255.
%RSD	.1853	.3041	.1788	.1488	.1431	.2027

#1	124600.	2496.	1250.	9993.	991.9	125400.
#2	125000.	2501.	1250.	10020.	994.2	125800.
#3	124900.	2511.	1254.	10020.	994.6	125800.

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	1256.	2529.	5062.	12420.	101200.	49720.
Stddev	2.	4.	12.	34.	359.	217.
%RSD	.1371	.1620	.2426	.2738	.3550	.4373

#1	1255.	2526.	5050.	12380.	100800.	49520.
#2	1257.	2534.	5062.	12450.	101400.	49690.
#3	1258.	2527.	5075.	12420.	101500.	49950.

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	126900.	5122.	124300.	2537.	7625.	1002.
Stddev	338.	14.	129.	3.	5.	4.
%RSD	.2661	.2751	.1034	.1018	.0715	.4245

#1	126500.	5106.	124400.	2534.	7619.	1004.
#2	127200.	5125.	124400.	2539.	7630.	1005.
#3	127000.	5134.	124200.	2538.	7626.	997.5

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

Sample Name: CCV Acquired: 8/10/2012 13:44:32 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	2504.	2530.	2481.	2517.	994.3	2498.
Stddev	6.	9.	10.	4.	1.8	6.
%RSD	.2492	.3386	.3945	.1421	.1833	.2550

#1	2510.	2521.	2470.	2514.	992.9	2491.
#2	2504.	2529.	2484.	2521.	993.6	2500.
#3	2497.	2538.	2489.	2517.	996.3	2503.

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

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	1008.	4997.	10010.	9770.
Stddev	3.	10.	38.	65.
%RSD	.2780	.2066	.3756	.6622

#1	1005.	4985.	9973.	9698.
#2	1010.	5004.	10050.	9787.
#3	1009.	5001.	9997.	9824.

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	2225.2	25112.	2474.1
Stddev	2.9	70.	2.2
%RSD	.12955	.27876	.08810

#1	2228.6	25136.	2472.6
#2	2223.8	25167.	2473.1
#3	2223.3	25033.	2476.6

Sample Name: CCB Acquired: 8/10/2012 13:47:53 Type: QC
Method: SW8460080712(v2) 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	11.04	.3898	-.7574	.7414	-.1126	23.92
Stddev	13.53	3.879	.2509	.6813	.1970	8.57
%RSD	122.5	995.1	33.13	91.90	175.0	35.84

#1	26.27	1.174	-.8022	1.467	.0130	33.55
#2	6.453	3.817	-.9829	.6425	-.0110	21.07
#3	.4069	-3.822	-.4871	.1149	-.3396	17.13

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	.0441	.0352	.5380	-3.256	10.78	-6.544
Stddev	.0800	.3082	.2808	4.065	20.87	56.98
%RSD	181.4	875.9	52.19	124.9	193.6	870.8

#1	.1241	.3875	.8519	.2956	28.17	59.20
#2	.0440	-.1839	.3109	-2.373	16.55	-41.83
#3	-.0358	-.0981	.4510	-7.689	-12.37	-37.00

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	8.759	.5132	96.89	.1094	2.438	-.5875
Stddev	12.86	.4972	32.02	.4075	1.213	1.328
%RSD	146.8	96.87	33.05	372.6	49.74	226.0

#1	23.37	1.038	128.7	-.3612	2.760	-1.082
#2	-.8506	.4521	97.35	.3417	3.457	-1.597
#3	3.760	.0495	64.65	.3476	1.097	.9165

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

Sample Name: CCB Acquired: 8/10/2012 13:47:53 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-3.511	1.351	.1466	.1400	2.238	3.086
Stddev	3.478	2.068	.1759	.3799	.298	1.861
%RSD	99.05	153.0	119.9	271.4	13.32	60.29
#1	.0028	-.5954	-.0370	.5730	2.576	5.136
#2	-6.952	3.522	.3136	-.0162	2.013	2.617
#3	-3.584	1.128	.1632	-.1369	2.124	1.505

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

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	.6188	.8916	.3784	17.90
Stddev	1.175	.7452	1.207	27.24
%RSD	189.9	83.58	318.9	152.2
#1	1.900	1.742	1.755	47.38
#2	.3642	.5809	-.4992	-6.320
#3	-.4083	.3520	-.1204	12.62

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	2387.4	27018.	2509.2
Stddev	6.5	89.	2.4
%RSD	.27050	.33004	.09714
#1	2394.2	27065.	2511.4
#2	2386.5	27073.	2506.6
#3	2381.4	26915.	2509.5

Sample Name: mb 460-123427/1-a Acquired: 8/10/2012 13:51:40 Type: QC

Method: SW8460080712(v2) 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	-17.09	-.3215	.0105	.0184	-.0049	25.94
Stddev	11.60	1.971	.3711	.1184	.1567	7.17
%RSD	67.85	613.2	3523.	643.3	3169.	27.63

#1	-25.91	.3472	.3599	.1369	.0909	34.18
#2	-3.955	1.229	-.3790	-.0999	-.1858	22.53
#3	-21.41	-2.540	.0507	.0182	.0801	21.12

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	-.0694	-.0072	-.4075	-5.068	34.78	-68.53
Stddev	.0640	.1934	.2470	3.740	7.26	39.10
%RSD	92.28	2693.	60.62	73.79	20.87	57.06

#1	-.0823	-.1545	-.1764	-8.734	36.29	-64.20
#2	.0001	-.0788	-.3783	-5.212	26.89	-31.77
#3	-.1260	.2118	-.6679	-1.258	41.17	-109.6

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	2.046	.2802	57.08	.1458	1.105	-1.843
Stddev	1.694	.0866	9.27	.1867	1.595	1.018
%RSD	82.82	30.89	16.24	128.0	144.3	55.25

#1	3.433	.1874	55.94	-.0594	2.226	-2.314
#2	2.547	.3588	48.43	.1914	-.7208	-.6743
#3	.1576	.2945	66.86	.3055	1.809	-2.540

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

Sample Name: mb 460-123427/1-a Acquired: 8/10/2012 13:51:40 Type: QC

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

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

Comment:

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	-7.210	2.121	-.3771	.0281	1.468	.5340
Stddev	6.018	1.140	.1440	.4015	.771	.0585
%RSD	834.6	53.77	38.18	1431.	52.54	10.95

#1	.2264	3.168	-.5098	.2609	1.689	.5965
#2	4.767	2.288	-.3975	.2589	2.105	.5251
#3	-7.156	.9063	-.2240	-.4356	.6102	.4806

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

High Limit
Low Limit

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	1.005	.2117	-.6740	36.12
Stddev	.996	.0375	1.956	26.02
%RSD	99.04	17.71	290.2	72.02

#1	.4248	.2547	-2.406	49.65
#2	.4360	.1952	-1.064	6.129
#3	2.155	.1854	1.448	52.60

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	2357.2	26834.	2485.3
Stddev	7.1	44.	18.7
%RSD	.30097	.16211	.75381

#1	2349.5	26833.	2506.8
#2	2358.6	26790.	2472.6
#3	2363.4	26877.	2476.4

Sample Name: lb 460-123324/1-c@5 Acquired: 8/10/2012 13:55:25 Type: Unk
Method: SW8460080712(v2) 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	6.810	.7659	-.5477	2.064	-.2194	187.6
Stddev	18.59	2.074	1.387	.104	.0995	5.2
%RSD	272.9	270.9	253.3	5.052	45.35	2.765

#1	8.497	-1.574	.8310	2.084	-.1385	185.2
#2	24.49	1.493	-1.943	2.157	-.1892	184.1
#3	-12.56	2.379	-.5310	1.951	-.3304	193.6

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	-.0099	-.8046	-.3370	-5.336	7.722	-1012.
Stddev	.0875	.4247	.3627	5.296	12.00	65.
%RSD	886.9	52.78	107.6	99.25	155.4	6.450

#1	-.0375	-1.146	-.0927	-6.606	18.62	-1079.
#2	.0881	-.9388	-.7538	-9.881	9.686	-949.2
#3	-.0802	-.3290	-.1646	.4796	-5.137	-1006.

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	16.69	.1529	F 280800.	1.634	15.50	-1.790
Stddev	5.02	.0170	2529.	.506	.35	1.638
%RSD	30.11	11.13	.9007	30.98	2.240	91.54

#1	18.33	.1664	283300.	1.117	15.38	-1.765
#2	11.05	.1338	280700.	2.129	15.24	-.1640
#3	20.69	.1586	278300.	1.655	15.90	-3.440

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

Sample Name: lb 460-123324/1-c@5 Acquired: 8/10/2012 13:55:25 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	.4653	1.505	.0691	2.564	9.453	.0878
Stddev	5.088	2.141	.3781	.121	.731	.1501
%RSD	1093.	142.3	547.3	4.730	7.736	170.9

#1	-3.403	-.8367	.0279	2.702	10.20	.0686
#2	6.229	1.986	.4661	2.475	8.740	-.0517
#3	-1.430	3.364	-.2867	2.515	9.418	.2465

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

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	-.1619	.2759	-.9151	41.96
Stddev	.1042	.1322	1.528	13.36
%RSD	64.35	47.90	167.0	31.85

#1	-.2447	.3581	-1.478	56.91
#2	-.0449	.3462	-2.082	37.76
#3	-.1962	.1235	.8150	31.20

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	2305.7	25563.	2511.6
Stddev	6.6	60.	11.0
%RSD	.28820	.23467	.43760

#1	2298.8	25631.	2511.8
#2	2306.2	25543.	2500.5
#3	2312.1	25516.	2522.5

Sample Name: 460-43252-a-1-b@5 Acquired: 8/10/2012 13:59:10 Type: Unk
Method: SW8460080712(v2) 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	369.7	.4547	-.2536	217.5	-.1079	7824.
Stddev	17.7	.9114	.7906	.9	.0881	43.
%RSD	4.788	200.4	311.8	.4184	81.64	.5442
#1	361.3	-.2643	-1.005	217.8	-.0346	7784.
#2	390.0	1.480	-.3265	218.2	-.0835	7819.
#3	357.8	.1486	.5710	216.5	-.2057	7869.

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	11.79	10.29	.0704	335.3	274.3	-114.3
Stddev	.04	.20	.5724	3.7	6.8	62.9
%RSD	.3511	1.951	813.3	1.092	2.494	54.98
#1	11.75	10.44	-.5359	336.0	271.1	-141.6
#2	11.82	10.06	.6016	331.4	269.7	-159.0
#3	11.81	10.37	.1455	338.7	282.2	-42.45

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	909.4	584.3	245700.	34.93	27.13	-2.823
Stddev	5.9	3.0	1134.	.56	1.69	.677
%RSD	.6518	.5182	.4613	1.614	6.227	23.99
#1	913.6	587.0	246800.	35.55	27.86	-2.938
#2	902.7	584.7	244500.	34.79	28.34	-3.436
#3	912.1	581.0	245900.	34.44	25.20	-2.096

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

Sample Name: 460-43252-a-1-b@5 Acquired: 8/10/2012 13:59:10 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-5.346	.7409	.5523	954.2	66.02	-.4306
Stddev	1.282	1.119	.3083	2.3	1.06	.1232
%RSD	23.97	151.1	55.83	.2436	1.607	28.60

#1	-5.545	2.026	.8502	954.9	65.73	-.5701
#2	-6.516	.2155	.2345	956.1	67.20	-.3371
#3	-3.977	-.0192	.5723	951.6	65.13	-.3845

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

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	.3061	43.50	8.363	946.1
Stddev	.6529	.08	1.052	14.3
%RSD	213.3	.1753	12.57	1.510

#1	.5273	43.44	9.249	949.5
#2	-.4287	43.47	8.638	958.3
#3	.8196	43.58	7.201	930.4

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	2295.6	25585.	2510.5
Stddev	10.6	56.	25.0
%RSD	.46213	.21962	.99680

#1	2306.7	25634.	2521.0
#2	2285.5	25596.	2528.5
#3	2294.6	25524.	2481.9

Sample Name: 460-43252-a-2-c@5 Acquired: 8/10/2012 14:02:49 Type: Unk
Method: SW8460080712(v2) 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	116.0	2.048	.8978	393.0	.1502	15230.
Stddev	14.6	.506	.7885	2.3	.0962	258.
%RSD	12.62	24.73	87.83	.5741	64.06	1.694
#1	123.3	2.119	1.792	392.3	.2102	15530.
#2	125.6	1.510	.6006	395.6	.2013	15140.
#3	99.13	2.516	.3010	391.2	.0392	15030.

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	13.39	9.788	-.3234	1188.	59.17	-237.8
Stddev	.06	.264	.1848	26.	10.79	62.8
%RSD	.4195	2.693	57.14	2.177	18.23	26.43
#1	13.39	9.511	-.4790	1218.	46.76	-304.7
#2	13.45	9.815	-.3719	1175.	64.46	-180.0
#3	13.34	10.04	-.1192	1172.	66.29	-228.6

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	1386.	735.4	239700.	69.08	1400.	.7138
Stddev	5.	3.2	4488.	.62	8.	.6728
%RSD	.3469	.4286	1.873	.8960	.5378	94.26
#1	1381.	733.0	244700.	68.69	1397.	.1011
#2	1390.	739.0	238100.	69.80	1408.	.6064
#3	1387.	734.2	236200.	68.77	1393.	1.434

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

Sample Name: 460-43252-a-2-c@5 Acquired: 8/10/2012 14:02:49 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-3.913	.9288	2.139	2263.	42.86	-.8954
Stddev	4.081	.8085	.544	13.	.43	.2158
%RSD	104.3	87.05	25.45	.5721	1.006	24.10

#1	.7968	.8172	2.585	2259.	43.21	-.9827
#2	-6.395	.1819	1.532	2277.	42.38	-1.054
#3	-6.141	1.787	2.300	2252.	42.99	-.6496

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

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	.1830	94.09	2.130	1113.
Stddev	.9447	1.63	.998	13.
%RSD	516.3	1.735	46.87	1.191

#1	-.7212	95.90	1.776	1100.
#2	.1064	93.61	3.257	1127.
#3	1.164	92.75	1.357	1112.

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	2293.1	25623.	2485.3
Stddev	2.4	139.	28.9
%RSD	.10272	.54414	1.1632

#1	2295.2	25750.	2453.5
#2	2293.7	25474.	2492.2
#3	2290.6	25644.	2510.1

Sample Name: 460-43252-a-3-c@5 Acquired: 8/10/2012 14:06:29 Type: Unk
Method: SW8460080712(v2) 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	151.1	1.233	-.2141	364.4	-.0303	29240.
Stddev	9.3	1.382	.6216	1.6	.1372	89.
%RSD	6.140	112.1	290.4	.4511	452.7	.3053

#1	160.7	1.402	.2387	365.4	.0705	29240.
#2	150.4	-.2260	-.9228	365.3	-.1865	29330.
#3	142.2	2.523	.0419	362.5	.0251	29150.

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	2.505	7.707	-.0942	481.5	101.0	-408.2
Stddev	.046	.222	.4681	2.3	19.0	20.5
%RSD	1.831	2.885	497.0	.4715	18.83	5.014

#1	2.487	7.964	.4425	484.1	89.03	-393.9
#2	2.472	7.584	-.3071	480.6	91.12	-399.2
#3	2.557	7.574	-.4180	479.9	123.0	-431.7

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	12350.	802.7	249000.	12.01	133.6	-.8694
Stddev	39.	2.2	1185.	.34	.9	3.266
%RSD	.3180	.2801	.4761	2.870	.6621	375.7

#1	12370.	802.2	250300.	11.64	134.4	2.452
#2	12360.	805.2	248700.	12.32	132.6	-4.077
#3	12300.	800.8	248100.	12.07	133.7	-.9836

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

Sample Name: 460-43252-a-3-c@5 Acquired: 8/10/2012 14:06:29 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	2.148	-2.021	.2345	437.9	38.42	-.4294
Stddev	5.845	.778	.5633	2.6	.80	.3079
%RSD	272.1	38.52	240.2	.6001	2.072	71.69
#1	8.595	-1.208	.6715	438.5	38.94	-.0741
#2	-2.805	-2.760	.4331	440.1	38.81	-.5982
#3	.6535	-2.093	-.4012	435.0	37.50	-.6160

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

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	.5432	62.45	4.118	698.7
Stddev	1.053	.25	2.071	25.0
%RSD	193.9	.4066	50.29	3.578
#1	-.6724	62.59	2.594	697.0
#2	1.122	62.60	6.477	724.5
#3	1.180	62.15	3.284	674.6

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	2287.2	25533.	2510.0
Stddev	13.9	79.	5.5
%RSD	.60679	.31047	.21771
#1	2292.3	25602.	2515.8
#2	2271.5	25446.	2509.5
#3	2297.8	25551.	2504.9

Sample Name: pds 460-43223-a-2-i@ Acquired: 8/10/2012 14:10:08 Type: Unk
Method: SW8460080712(v2) 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	4983.	4678.	467.2	10010.	984.7	25370.
Stddev	11.	15.	.6	24.	2.2	57.
%RSD	.2166	.3188	.1194	.2370	.2201	.2252

#1	4984.	4692.	466.6	10030.	985.5	25400.
#2	4993.	4680.	467.6	10010.	982.3	25300.
#3	4971.	4662.	467.4	9981.	986.4	25400.

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	1024.	1034.	4974.	990.0	10690.	19420.
Stddev	2.	3.	1.	3.5	28.	94.
%RSD	.1911	.3328	.0189	.3554	.2594	.4816

#1	1025.	1037.	4974.	987.9	10690.	19400.
#2	1024.	1035.	4974.	988.0	10710.	19340.
#3	1022.	1030.	4973.	994.0	10660.	19530.

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	20200.	1127.	F 280800.	1058.	5042.	991.9
Stddev	19.	1.	1437.	3.	14.	1.2
%RSD	.0926	.0530	.5117	.2963	.2781	.1185

#1	20180.	1128.	282300.	1060.	5049.	992.8
#2	20210.	1127.	279500.	1059.	5050.	990.6
#3	20200.	1127.	280400.	1054.	5025.	992.4

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

Sample Name: pds 460-43223-a-2-i@ Acquired: 8/10/2012 14:10:08 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	990.5	1022.	484.9	1128.	974.3	988.1
Stddev	3.1	2.	.5	4.	1.9	.7
%RSD	.3167	.1955	.1031	.3797	.1919	.0700
#1	987.5	1022.	485.0	1130.	976.5	988.7
#2	993.8	1020.	484.3	1132.	973.1	988.2
#3	990.2	1023.	485.3	1124.	973.4	987.3

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

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	672.1	1015.	909.7	356.1
Stddev	5.5	2.	2.4	10.3
%RSD	.8245	.1980	.2629	2.896
#1	675.9	1017.	909.0	365.2
#2	674.6	1013.	907.7	358.1
#3	665.7	1015.	912.4	344.9

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	2255.5	25460.	2507.3
Stddev	10.4	103.	9.0
%RSD	.46060	.40647	.35916
#1	2251.4	25488.	2515.3
#2	2247.8	25345.	2497.5
#3	2267.4	25546.	2508.9

Sample Name: 460-43124-a-15-i@5 Acquired: 8/10/2012 14:13:34 Type: Unk
Method: SW8460080712(v2) 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	144.2	2.762	-7250	115.2	.1132	32320.
Stddev	20.8	2.359	.7104	1.5	.0866	86.
%RSD	14.39	85.42	97.99	1.263	76.54	.2646

#1	123.0	4.852	-.0839	116.5	.2084	32230.
#2	164.5	3.230	-.6022	115.4	.0391	32400.
#3	145.0	.2036	-1.489	113.6	.0919	32320.

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	.6488	4.873	.6224	615.8	1557.	76.89
Stddev	.0649	.034	.9410	3.7	13.	75.77
%RSD	10.00	.6973	151.2	.6004	.8278	98.55

#1	.7227	4.874	1.703	611.7	1571.	76.06
#2	.6230	4.838	-.0156	619.0	1553.	153.1
#3	.6008	4.906	.1796	616.6	1546.	1.531

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	2180.	607.5	F 268400.	12.46	355.8	.5499
Stddev	33.	6.1	333.	.28	4.2	2.073
%RSD	1.493	1.001	.1240	2.224	1.179	376.9

#1	2216.	614.0	268700.	12.24	358.5	2.690
#2	2170.	606.4	268400.	12.77	358.0	-1.448
#3	2153.	602.0	268100.	12.38	351.0	.4084

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

Sample Name: 460-43124-a-15-i@5 Acquired: 8/10/2012 14:13:34 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	.5083	-1.057	.7841	1065.	19.37	.6493
Stddev	3.864	3.079	.3290	9.	.92	.4594
%RSD	760.2	291.4	41.96	.8664	4.734	70.76
#1	-1.016	1.899	1.132	1072.	20.11	1.159
#2	4.902	-.8240	.7418	1068.	19.64	.2668
#3	-2.361	-4.245	.4783	1054.	18.34	.5222

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

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	122.0	2.752	572.8
Stddev	.469	.4	.213	17.9
%RSD	38.15	.3629	7.740	3.128
#1	1.223	122.0	2.820	593.3
#2	1.704	122.5	2.924	560.2
#3	.7652	121.6	2.514	564.9

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	2300.5	25518.	2534.7
Stddev	6.3	78.	14.5
%RSD	.27236	.30630	.57259
#1	2307.7	25601.	2549.5
#2	2296.5	25445.	2534.2
#3	2297.2	25509.	2520.5

Sample Name: 460-43124-a-18-k@5 Acquired: 8/10/2012 14:17:14 Type: Unk
Method: SW8460080712(v2) 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	197.8	2.725	.0327	72.22	-.0410	23640.
Stddev	24.8	.998	1.111	.16	.1510	45.
%RSD	12.56	36.61	3397.	.2278	367.9	.1899

#1	185.5	3.844	1.007	72.41	.1283	23590.
#2	226.3	1.931	.2673	72.12	-.0898	23650.
#3	181.4	2.399	-1.177	72.13	-.1616	23680.

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	.2898	3.636	-.1214	.2886	1064.	-34.38
Stddev	.0582	.346	.4985	4.984	7.	39.03
%RSD	20.08	9.525	410.6	1727.	.6551	113.5

#1	.3042	3.424	-.6633	-5.298	1059.	-78.84
#2	.3394	4.035	-.0187	1.886	1060.	-5.759
#3	.2257	3.448	.3177	4.278	1072.	-18.55

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	1849.	642.7	F 259100.	5.030	16.25	.5548
Stddev	9.	1.4	686.	.493	2.08	2.908
%RSD	.4878	.2203	.2648	9.804	12.83	524.1

#1	1856.	642.0	259700.	4.499	18.09	-.0274
#2	1839.	644.4	258400.	5.118	13.99	-2.018
#3	1852.	641.8	259200.	5.474	16.69	3.709

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

Sample Name: 460-43124-a-18-k@5 Acquired: 8/10/2012 14:17:14 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-3.108	-.8069	.5848	33.70	18.15	.3691
Stddev	.369	2.086	.3125	.47	.61	.0525
%RSD	11.88	258.5	53.44	1.386	3.366	14.22
#1	-3.187	-1.711	.2658	34.24	18.84	.4117
#2	-3.431	1.578	.8904	33.44	17.68	.3851
#3	-2.706	-2.288	.5982	33.43	17.92	.3104

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

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	-.0701	89.90	4.753	944.6
Stddev	.7994	.50	1.850	31.6
%RSD	1140.	.5608	38.91	3.346
#1	-.8961	89.39	6.792	978.4
#2	-.0142	90.40	4.286	915.8
#3	.6998	89.92	3.182	939.6

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	2302.3	25487.	2501.1
Stddev	11.3	171.	12.2
%RSD	.49168	.67157	.48784
#1	2289.2	25593.	2515.0
#2	2308.6	25290.	2496.6
#3	2309.0	25579.	2491.9

Sample Name: 460-43223-a-4-g@5 Acquired: 8/10/2012 14:20:54 Type: Unk
Method: SW8460080712(v2) 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	194.8	2.174	-7098	126.6	.3654	3760.
Stddev	12.4	1.349	.3006	.3	.1030	15.
%RSD	6.371	62.07	42.35	.2744	28.19	.3995
#1	180.5	1.183	-1.051	126.3	.2792	3770.
#2	201.4	3.711	-.5927	127.0	.4795	3743.
#3	202.6	1.628	-.4854	126.4	.3376	3767.

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	.3139	3.141	.5087	-6.386	6977.	-72.97
Stddev	.0279	.429	.4023	1.413	47.	26.70
%RSD	8.876	13.66	79.09	22.12	.6768	36.59
#1	.3383	3.632	.4013	-7.305	6952.	-103.4
#2	.3199	2.954	.1710	-7.094	6948.	-62.13
#3	.2836	2.837	.9538	-4.760	7032.	-53.39

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	475.8	382.4	F 254100.	9.483	194.7	-.8734
Stddev	7.1	1.5	1758.	.411	.7	2.358
%RSD	1.485	.3900	.6920	4.339	.3366	269.9
#1	470.5	381.1	256100.	9.048	195.4	-2.626
#2	483.8	382.1	253100.	9.533	194.1	-1.802
#3	473.1	384.0	253100.	9.867	194.6	1.807

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

Sample Name: 460-43223-a-4-g@5 Acquired: 8/10/2012 14:20:54 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-5.704	-.7429	.1623	50.85	15.61	-.2070
Stddev	2.526	.7379	.3145	.13	.52	.2072
%RSD	44.29	99.32	193.7	.2586	3.341	100.1
#1	-3.941	-.8467	.1598	50.77	16.20	-.3985
#2	-4.572	-1.423	-.1509	50.77	15.41	.0131
#3	-8.598	.0414	.4781	51.00	15.21	-.2356

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

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	-.3070	35.59	3.897	499.3
Stddev	.6109	.14	3.661	23.6
%RSD	199.0	.3973	93.93	4.731
#1	-1.012	35.74	2.054	519.4
#2	.0392	35.46	8.113	505.2
#3	.0522	35.57	1.525	473.3

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	2315.4	25726.	2542.6
Stddev	14.3	176.	14.4
%RSD	.61950	.68276	.56557
#1	2331.7	25908.	2559.1
#2	2310.0	25713.	2532.6
#3	2304.6	25557.	2536.2

Sample Name: 460-43223-a-6-h@5 Acquired: 8/10/2012 14:24:35 Type: Unk
Method: SW8460080712(v2) 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	249.2	2.032	-2196	114.2	.0197	88610.
Stddev	17.5	2.106	1.584	.6	.0133	354.
%RSD	7.007	103.6	721.0	.5230	67.59	.3993
#1	264.6	4.386	.3909	114.7	.0045	88200.
#2	230.2	1.381	.9678	114.2	.0254	88840.
#3	252.7	.3287	-2.018	113.6	.0292	88780.

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	.1019	2.703	-.7052	-9.284	2133.	-458.3
Stddev	.1176	.125	.0772	2.296	39.	48.4
%RSD	115.4	4.641	10.95	24.73	1.851	10.55
#1	.2112	2.563	-.6161	-11.77	2178.	-405.9
#2	-.0225	2.739	-.7456	-8.828	2113.	-467.5
#3	.1169	2.806	-.7538	-7.251	2107.	-501.3

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	348.7	337.0	F 251800.	6.107	16.72	1.046
Stddev	1.8	3.1	270.	.172	1.01	.934
%RSD	.5276	.9092	.1074	2.821	6.030	89.31
#1	349.9	340.5	252100.	5.999	16.50	1.415
#2	349.7	335.7	251800.	6.016	15.83	1.739
#3	346.6	334.8	251600.	6.306	17.82	-.0164

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

Sample Name: 460-43223-a-6-h@5 Acquired: 8/10/2012 14:24:35 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-1.989	.4251	.3268	53.67	13.47	-.3272
Stddev	2.436	1.376	.1955	.32	1.26	.1964
%RSD	122.5	323.8	59.81	.6000	9.366	60.02
#1	-2.603	-.5171	.1663	54.00	14.65	-.2676
#2	-4.059	2.005	.2696	53.66	12.14	-.5464
#3	.6959	-.2123	.5445	53.36	13.62	-.1675

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

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	-.7261	221.8	9.335	483.2
Stddev	.9159	1.0	2.070	20.6
%RSD	126.1	.4354	22.18	4.267
#1	-.8579	220.7	6.948	465.8
#2	.2485	222.3	10.64	477.7
#3	-1.569	222.5	10.42	506.0

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	2283.7	25347.	2526.7
Stddev	11.9	171.	1.4
%RSD	.52219	.67283	.05635
#1	2270.5	25196.	2526.2
#2	2293.7	25313.	2528.3
#3	2286.9	25532.	2525.6

Sample Name: CCV Acquired: 8/10/2012 14:28:20 Type: QC
Method: SW8460080712(v2) 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	124600.	2509.	1251.	10020.	988.4	125000.
Stddev	187.	7.	2.	20.	3.1	149.
%RSD	.1503	.2953	.1824	.2014	.3106	.1194

#1	124800.	2505.	1252.	10010.	991.5	125200.
#2	124400.	2517.	1248.	10040.	988.4	124900.
#3	124600.	2504.	1252.	10000.	985.4	124900.

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	1259.	2533.	5075.	12350.	101300.	49780.
Stddev	4.	6.	7.	21.	111.	148.
%RSD	.3119	.2448	.1423	.1709	.1100	.2969

#1	1257.	2531.	5084.	12370.	101400.	49860.
#2	1263.	2540.	5071.	12340.	101300.	49610.
#3	1256.	2529.	5071.	12340.	101200.	49870.

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.	5124.	122800.	2543.	7629.	1011.
Stddev	30.	5.	253.	5.	15.	5.
%RSD	.0234	.1020	.2059	.2067	.1958	.4545

#1	127300.	5126.	122900.	2540.	7628.	1013.
#2	127300.	5129.	122600.	2549.	7644.	1015.
#3	127400.	5119.	123000.	2541.	7614.	1006.

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

Sample Name: CCV Acquired: 8/10/2012 14:28:20 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	2515.	2527.	2481.	2519.	993.6	2501.
Stddev	7.	7.	1.	6.	2.3	8.
%RSD	.2642	.2642	.0530	.2448	.2294	.3339

#1	2516.	2528.	2482.	2515.	991.2	2494.
#2	2520.	2533.	2482.	2526.	995.7	2511.
#3	2507.	2520.	2480.	2516.	994.1	2499.

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

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.	4994.	10010.	9827.
Stddev	1.	5.	21.	38.
%RSD	.0890	.1012	.2139	.3901

#1	1008.	4999.	10020.	9807.
#2	1010.	4994.	9981.	9871.
#3	1010.	4989.	10020.	9802.

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	2240.3	25304.	2510.3
Stddev	4.2	27.	8.4
%RSD	.18627	.10534	.33540

#1	2242.9	25299.	2510.1
#2	2235.5	25333.	2518.8
#3	2242.5	25281.	2502.0

Sample Name: CCB Acquired: 8/10/2012 14:31:42 Type: QC
Method: SW8460080712(v2) 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	6.281	-.8155	-.4163	.6786	-.0086	23.89
Stddev	45.35	1.508	.1947	.5755	.1992	26.63
%RSD	721.9	184.9	46.78	84.81	2326.	111.5

#1	48.32	-2.243	-.2995	1.243	.2209	51.56
#2	12.30	-.9650	-.3083	.7003	-.1092	21.67
#3	-41.78	.7613	-.6411	.0926	-.1374	-1.562

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	-.0230	.0498	.0783	-6.999	28.70	75.99
Stddev	.1049	.3861	.6606	4.863	18.80	152.1
%RSD	455.2	775.5	844.1	69.48	65.49	200.1

#1	.0864	.4885	.7509	-3.728	41.66	86.63
#2	-.1226	-.2383	-.5697	-4.682	7.142	222.5
#3	-.0330	-.1008	.0535	-12.59	37.29	-81.14

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	14.41	.4119	121.0	.6548	1.823	.3420
Stddev	9.29	.3537	52.8	.2041	.955	1.897
%RSD	64.42	85.87	43.64	31.17	52.37	554.8

#1	23.36	.8202	176.6	.8688	.9387	.0342
#2	15.06	.2153	114.7	.4623	2.835	-1.383
#3	4.821	.2001	71.62	.6334	1.694	2.374

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

Sample Name: CCB Acquired: 8/10/2012 14:31:42 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-3.827	3.984	.3433	.1544	1.601	2.911
Stddev	3.180	1.785	.3049	.1216	.235	1.931
%RSD	83.10	44.80	88.80	78.73	14.69	66.32
#1	-1.294	4.492	.6736	.2335	1.851	5.050
#2	-2.790	5.459	.0726	.2152	1.570	2.388
#3	-7.396	2.000	.2837	.0144	1.384	1.296

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

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	.9827	.6300	2.215	17.73
Stddev	.8474	.5580	2.800	6.99
%RSD	86.24	88.58	126.4	39.40
#1	.9458	1.263	4.330	19.30
#2	.1543	.4155	3.276	10.09
#3	1.848	.2110	-.9596	23.80

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	2384.9	27187.	2538.3
Stddev	8.8	97.	10.1
%RSD	.36827	.35828	.39726
#1	2392.5	27288.	2540.4
#2	2375.3	27181.	2547.2
#3	2386.8	27093.	2527.3

Sample Name: lb 460-122774/1-h@5 Acquired: 8/10/2012 14:35:29 Type: Unk
Method: SW8460080712(v2) 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	13.13	-.5259	-.6013	.7026	-.1120	134.9
Stddev	9.78	2.176	.6772	.1118	.2920	8.2
%RSD	74.43	413.7	112.6	15.91	260.8	6.109

#1	5.372	1.235	.0583	.7246	-.3192	125.4
#2	9.917	-2.958	-.5675	.8017	.2219	138.7
#3	24.11	.1448	-1.295	.5814	-.2386	140.5

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	.0011	-.4658	-.8045	-7.303	10.62	-1059.
Stddev	.0209	.2016	.2888	2.414	16.43	104.
%RSD	1989.	43.28	35.90	33.05	154.7	9.821

#1	-.0123	-.2432	-.4742	-6.405	23.57	-1169.
#2	-.0097	-.6360	-.9296	-5.468	-7.861	-961.6
#3	.0251	-.5183	-1.010	-10.04	16.14	-1047.

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	10.37	.3753	F 289600.	1.683	4.503	3.276
Stddev	5.81	.0045	2168.	.478	1.151	3.755
%RSD	56.05	1.188	.7486	28.41	25.55	114.6

#1	16.46	.3804	291900.	2.128	3.590	1.182
#2	9.767	.3725	289300.	1.178	5.796	7.611
#3	4.882	.3729	287600.	1.742	4.124	1.035

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

Sample Name: lb 460-122774/1-h@5 Acquired: 8/10/2012 14:35:29 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.765	.4641	-.2960	2.520	6.320	.1875
Stddev	1.235	1.345	.3496	.166	.916	.2830
%RSD	44.67	289.8	118.1	6.590	14.49	150.9
#1	-3.292	1.811	-.5573	2.379	6.351	.5024
#2	-3.648	.4595	.1012	2.703	7.220	-.0456
#3	-1.354	-.8787	-.4317	2.479	5.389	.1057

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

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	-.3939	.3478	-.7625	43.88
Stddev	.5982	.2139	1.069	20.09
%RSD	151.9	61.50	140.2	45.78
#1	.1244	.5841	-1.309	31.38
#2	-1.048	.2923	.4695	33.21
#3	-.2577	.1672	-1.448	67.05

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	2300.3	25583.	2526.5
Stddev	11.2	106.	15.6
%RSD	.48893	.41333	.61734
#1	2313.3	25669.	2542.6
#2	2293.9	25615.	2511.5
#3	2293.7	25465.	2525.3

Sample Name: Ib 460-123160/1-e@5 Acquired: 8/10/2012 14:39:14 Type: Unk
Method: SW8460080712(v2) 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	6.822	1.554	.7328	.7156	-.1344	136.4
Stddev	13.00	1.940	.7530	.0290	.1361	9.3
%RSD	190.5	124.8	102.8	4.059	101.3	6.801

#1	21.83	2.938	.6966	.6884	-.0602	146.0
#2	-.5287	2.388	1.503	.7462	-.0515	127.5
#3	-.8329	-.6636	-.0014	.7123	-.2914	135.8

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	.0354	-.3934	-.3032	-8.417	-4.153	-898.4
Stddev	.1121	.1782	.5089	.873	1.640	103.2
%RSD	317.0	45.31	167.9	10.38	39.48	11.48

#1	.1624	-.5893	-.7328	-7.931	-5.537	-888.8
#2	-.0497	-.2409	.2588	-9.426	-2.342	-800.4
#3	-.0066	-.3499	-.4355	-7.895	-4.580	-1006.

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	22.85	.1426	F 262800.	1.740	2.172	-1.307
Stddev	4.34	.0922	2620.	.111	.289	1.562
%RSD	19.00	64.64	.9968	6.371	13.29	119.5

#1	27.72	.0478	265800.	1.868	1.888	.4955
#2	21.43	.2320	261100.	1.679	2.163	-2.243
#3	19.39	.1481	261500.	1.673	2.466	-2.175

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

Sample Name: lb 460-123160/1-e@5 Acquired: 8/10/2012 14:39:14 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-4.124	-.1208	.1820	2.253	7.875	.1077
Stddev	4.129	1.997	.2944	.115	.380	.1025
%RSD	100.1	1653.	161.8	5.082	4.828	95.23
#1	.2740	-.5766	.2310	2.176	8.126	.2008
#2	-7.918	2.065	-.1339	2.385	8.061	.1244
#3	-4.728	-1.851	.4488	2.199	7.438	-.0022

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

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	.1095	.2459	1.320	46.80
Stddev	.4419	.1060	3.067	12.65
%RSD	403.7	43.12	232.5	27.03
#1	-.3735	.2054	3.768	33.47
#2	.2082	.1660	-2.121	48.31
#3	.4937	.3662	2.311	58.63

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	2287.2	25523.	2504.2
Stddev	12.5	135.	26.4
%RSD	.54817	.52696	1.0558
#1	2301.7	25617.	2494.6
#2	2280.9	25582.	2534.1
#3	2279.1	25369.	2483.9

Sample Name: 460-43223-a-8-f@5 Acquired: 8/10/2012 14:42:59 Type: Unk
Method: SW8460080712(v2) 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	154.4	.9204	-.1458	106.8	.0561	46840.
Stddev	25.7	2.041	.6624	.6	.1875	52.
%RSD	16.62	221.8	454.3	.5188	334.4	.1114
#1	129.5	-.4156	.5112	107.2	-.0734	46860.
#2	180.7	3.270	-.1351	107.0	-.0295	46780.
#3	153.1	-.0933	-.8134	106.1	.2711	46880.

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	.2734	2.822	.3965	-6.583	1279.	-494.9
Stddev	.0704	.495	.5888	1.660	2.	56.2
%RSD	25.74	17.55	148.5	25.22	.1416	11.35
#1	.3459	3.154	.8668	-7.762	1280.	-515.8
#2	.2689	2.253	.5865	-7.302	1277.	-537.7
#3	.2054	3.059	-.2638	-4.684	1280.	-431.3

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	553.1	276.5	F 270400.	6.033	53.37	.4192
Stddev	6.9	.9	1626.	.623	2.24	2.855
%RSD	1.257	.3184	.6013	10.33	4.194	681.2
#1	556.2	277.5	272200.	6.534	53.85	-2.370
#2	557.9	276.4	269300.	5.335	55.33	.2919
#3	545.1	275.7	269500.	6.230	50.93	3.336

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

Sample Name: 460-43223-a-8-f@5 Acquired: 8/10/2012 14:42:59 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-1.281	.0976	.6513	41.99	15.97	-.0776
Stddev	2.604	.9397	.3073	.30	.72	.1284
%RSD	203.3	963.1	47.18	.7132	4.514	165.4
#1	-4.247	1.096	.8912	41.97	16.62	-.1672
#2	.6296	-.7704	.3050	42.30	16.09	.0695
#3	-.2259	-.0325	.7578	41.70	15.19	-.1352

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

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	-1.134	130.1	4.062	423.5
Stddev	1.031	.4	.677	10.7
%RSD	90.96	.3442	16.67	2.519
#1	-2.319	130.3	4.408	434.8
#2	-.6362	129.6	3.282	413.6
#3	-.4455	130.4	4.496	422.2

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	2246.6	25112.	2473.7
Stddev	16.8	128.	17.1
%RSD	.74916	.50943	.69182
#1	2260.5	25209.	2493.3
#2	2251.5	25160.	2466.1
#3	2227.9	24967.	2461.6

Sample Name: 460-43223-a-12-g@5 Acquired: 8/10/2012 14:46:41 Type: Unk
Method: SW8460080712(v2) 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	135.1	5.193	-4641	111.8	.0641	99720.
Stddev	21.3	1.960	1.376	.8	.1235	396.
%RSD	15.75	37.76	296.4	.7169	192.6	.3974

#1	119.2	2.998	.3786	112.1	.0944	100000.
#2	159.2	6.771	.2807	112.4	-.0717	99870.
#3	126.7	5.809	-2.052	110.9	.1697	99270.

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	.1082	3.834	-1.310	-7.508	867.7	-333.5
Stddev	.0832	.406	.623	7.157	17.2	48.6
%RSD	76.91	10.60	47.58	95.32	1.984	14.57

#1	.2022	4.209	-1.114	-15.77	872.2	-344.1
#2	.0785	3.402	-2.008	-3.312	882.2	-280.4
#3	.0439	3.889	-.8084	-3.440	848.7	-375.8

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	574.5	313.5	F 256000.	8.230	51.03	-2.687
Stddev	1.1	1.7	2174.	.411	2.23	1.393
%RSD	.1859	.5288	.8491	4.998	4.372	51.86

#1	574.9	313.8	258200.	8.198	48.83	-2.177
#2	575.2	314.9	256000.	8.656	53.29	-4.263
#3	573.2	311.7	253800.	7.835	50.95	-1.620

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

Sample Name: 460-43223-a-12-g@5 Acquired: 8/10/2012 14:46:41 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-3.254	2.687	.3429	376.5	20.18	-.1794
Stddev	1.372	2.345	.5127	3.0	.43	.1523
%RSD	42.17	87.25	149.5	.7851	2.137	84.88
#1	-1.720	4.835	.7413	378.5	20.21	-.2333
#2	-4.364	.1855	-.2356	377.8	20.59	-.2974
#3	-3.680	3.042	.5230	373.1	19.73	-.0075

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

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	.1332	282.4	5.111	399.1
Stddev	1.241	1.2	2.320	50.2
%RSD	931.6	.4410	45.39	12.57
#1	-.3956	283.1	6.398	373.7
#2	-.7561	283.3	6.502	456.9
#3	1.551	281.0	2.433	366.7

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	2233.3	24808.	2444.0
Stddev	12.5	60.	6.2
%RSD	.56148	.24359	.25359
#1	2242.0	24847.	2436.9
#2	2218.9	24739.	2448.4
#3	2238.9	24839.	2446.7

Sample Name: 460-43223-a-15-f@5 Acquired: 8/10/2012 14:50:21 Type: Unk
Method: SW8460080712(v2) 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	210.3	-.6428	.7862	113.9	.0665	100900.
Stddev	14.9	5.031	1.019	.6	.1253	390.
%RSD	7.100	782.8	129.6	.4852	188.3	.3862
#1	209.6	-2.667	.0191	114.4	.1116	101300.
#2	225.5	5.085	1.942	113.8	-.0751	100900.
#3	195.7	-4.347	.3975	113.4	.1629	100500.

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	.0839	9.435	.0733	-2.098	4631.	-30.86
Stddev	.1135	.204	.1764	4.813	40.	18.19
%RSD	135.3	2.165	240.8	229.5	.8670	58.96
#1	.1569	9.669	.2694	-6.904	4678.	-38.44
#2	.1416	9.293	.0230	-2.112	4610.	-44.03
#3	-.0469	9.342	-.0725	2.723	4607.	-10.10

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	1709.	398.3	F 254300.	21.23	173.1	.4537
Stddev	9.	3.4	2208.	.56	1.4	2.239
%RSD	.5292	.8498	.8685	2.625	.7966	493.4
#1	1720.	402.1	256700.	21.27	173.9	-1.067
#2	1702.	397.0	253900.	21.76	171.5	3.024
#3	1706.	395.7	252300.	20.65	173.9	-.5960

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

Sample Name: 460-43223-a-15-f@5 Acquired: 8/10/2012 14:50:21 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-.2971	.3057	.6091	102.0	27.14	-.5849
Stddev	2.331	1.910	.0757	.2	.59	.4900
%RSD	784.5	624.8	12.44	.2157	2.170	83.78
#1	-1.597	2.236	.6725	101.9	27.79	-.0192
#2	-1.688	-1.584	.6297	101.9	26.95	-.8564
#3	2.393	.2656	.5252	102.3	26.66	-.8789

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

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	-.0930	479.6	6.626	4567.
Stddev	.8392	.9	3.573	75.
%RSD	902.4	.1885	53.92	1.635
#1	-.9771	480.2	10.61	4495.
#2	.0054	480.0	3.697	4563.
#3	.6927	478.5	5.575	4644.

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	2248.8	24804.	2464.0
Stddev	19.1	303.	51.3
%RSD	.84939	1.2198	2.0805
#1	2227.2	24472.	2410.1
#2	2263.7	24876.	2469.9
#3	2255.4	25065.	2512.1

Sample Name: 460-43223-a-17-e@5 Acquired: 8/10/2012 14:54:02 Type: Unk
Method: SW8460080712(v2) 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	211.3	-.0987	-.6019	66.77	-.0026	49340.
Stddev	15.6	2.015	.2766	.33	.1167	359.
%RSD	7.386	2042.	45.95	.5008	4474.	.7276

#1	229.2	-.4414	-.2836	66.50	-.1366	49750.
#2	203.7	-1.920	-.7384	67.15	.0772	49130.
#3	200.9	2.066	-.7838	66.67	.0516	49130.

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	.6113	4.657	-.4914	-9.312	1847.	154.7
Stddev	.1481	.110	.2277	4.875	11.	57.5
%RSD	24.23	2.356	46.35	52.35	.6192	37.16

#1	.5569	4.783	-.4979	-7.831	1859.	218.6
#2	.4981	4.610	-.7158	-5.349	1846.	138.3
#3	.7789	4.579	-.2604	-14.76	1836.	107.2

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	963.5	269.7	F 251300.	11.27	57.21	-.1349
Stddev	5.8	1.0	2829.	.31	.85	3.215
%RSD	.6003	.3876	1.126	2.709	1.484	2382.

#1	966.7	270.8	254600.	11.47	58.14	-3.359
#2	956.8	268.7	249600.	11.42	56.47	3.071
#3	967.0	269.6	249700.	10.92	57.03	-.1163

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

Sample Name: 460-43223-a-17-e@5 Acquired: 8/10/2012 14:54:02 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-3.104	-.2737	.4157	225.9	36.27	.0007
Stddev	3.060	.9809	.1754	.6	.88	.4304
%RSD	98.57	358.4	42.20	.2544	2.425	63720.
#1	-4.820	-1.242	.2516	226.4	36.78	-.2280
#2	-4.921	.7189	.6007	225.9	35.25	-.2670
#3	.4286	-.2974	.3949	225.3	36.76	.4971

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

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	-.1186	281.4	3.624	1484.
Stddev	.8648	2.3	1.224	25.
%RSD	729.3	.8071	33.77	1.712
#1	-.8878	284.0	2.446	1487.
#2	.8175	279.7	3.537	1457.
#3	-.2855	280.5	4.889	1507.

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	2264.8	25307.	2478.4
Stddev	7.6	73.	13.3
%RSD	.33586	.28766	.53654
#1	2272.2	25223.	2466.6
#2	2257.0	25346.	2475.7
#3	2265.4	25352.	2492.8

Sample Name: 460-43217-a-1-b@5 Acquired: 8/10/2012 14:57:42 Type: Unk
Method: SW8460080712(v2) 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	50.10	1.618	-1.507	437.7	-.3246	41400.
Stddev	17.18	1.811	.754	1.4	.1756	71.
%RSD	34.29	111.9	50.05	.3207	54.11	.1705

#1	30.28	.4951	-.9384	438.9	-.5161	41350.
#2	60.67	.6520	-1.219	438.1	-.2865	41480.
#3	59.34	3.708	-2.362	436.2	-.1711	41360.

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	3.972	1.246	-.5588	69.24	41.40	-134.8
Stddev	.158	.470	.7567	.47	8.62	29.3
%RSD	3.986	37.71	135.4	.6798	20.82	21.76

#1	4.003	.7540	-.0057	69.56	42.76	-167.9
#2	3.801	1.690	-.2495	69.47	32.18	-111.8
#3	4.113	1.295	-1.421	68.70	49.26	-124.8

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	2065.	492.4	242200.	20.48	77.78	1.952
Stddev	12.	1.2	658.	.67	1.52	.549
%RSD	.5640	.2491	.2716	3.291	1.952	28.13

#1	2053.	492.3	242700.	21.21	77.30	2.390
#2	2064.	493.7	242400.	19.89	79.48	1.336
#3	2076.	491.3	241400.	20.33	76.55	2.129

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

Sample Name: 460-43217-a-1-b@5 Acquired: 8/10/2012 14:57:42 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.866	.1718	.7564	1576.	39.12	-1.000
Stddev	5.723	1.531	.5774	6.	.33	.153
%RSD	148.0	891.1	76.34	.3844	.8319	15.30
#1	-10.44	1.062	1.227	1582.	39.50	-1.174
#2	.0234	1.049	.1120	1576.	38.99	-.8842
#3	-1.184	-1.596	.9304	1570.	38.89	-.9433

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

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	.9581	178.6	1.468	2156.
Stddev	.7802	.8	1.470	26.
%RSD	81.43	.4363	100.1	1.226
#1	1.574	177.9	-.2004	2149.
#2	1.219	179.4	2.574	2185.
#3	.0808	178.5	2.032	2133.

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	2287.4	25483.	2515.4
Stddev	14.9	196.	7.8
%RSD	.65143	.77011	.31078
#1	2270.5	25346.	2510.1
#2	2292.9	25394.	2511.7
#3	2298.8	25707.	2524.4

Sample Name: 460-43233-a-1-b@5 Acquired: 8/10/2012 15:01:22 Type: Unk
Method: SW8460080712(v2) 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	89.22	1.398	-7528	196.4	.0413	149500.
Stddev	23.66	3.341	1.674	1.1	.0650	244.
%RSD	26.52	239.1	222.4	.5377	157.6	.1634
#1	82.85	3.679	1.178	195.9	.1124	149200.
#2	115.4	2.951	-1.797	197.6	-.0151	149400.
#3	69.39	-2.438	-1.640	195.7	.0264	149700.

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	.1507	-.7345	-1.675	-6.480	1.194	-112.7
Stddev	.0494	.2377	.576	7.201	7.330	122.3
%RSD	32.79	32.36	34.38	111.1	613.9	108.5
#1	.0990	-.9453	-2.138	-14.75	1.797	-245.5
#2	.1556	-.7813	-1.856	-1.582	8.204	-88.19
#3	.1975	-.4769	-1.030	-3.111	-6.419	-4.572

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	3264.	298.5	F 258500.	2.567	-.4773	-.8904
Stddev	5.	1.0	826.	.296	1.242	1.940
%RSD	.1514	.3248	.3195	11.53	260.1	217.9
#1	3269.	299.5	259300.	2.613	-1.574	.4858
#2	3259.	297.5	257700.	2.251	.8709	-3.110
#3	3263.	298.5	258400.	2.838	-.7293	-.0475

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

Sample Name: 460-43233-a-1-b@5 Acquired: 8/10/2012 15:01:22 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-7.200	-.2257	4.554	15.88	17.88	-.3786
Stddev	7.177	1.490	.422	.08	.59	.1986
%RSD	996.8	660.1	9.271	.4974	3.273	52.44
#1	3.216	-.3091	4.108	15.79	18.50	-.5814
#2	3.628	1.304	4.607	15.91	17.34	-.3699
#3	-9.004	-1.672	4.947	15.94	17.79	-.1846

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

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	-.3891	259.8	4.693	1154.
Stddev	.7670	.4	1.803	29.
%RSD	197.1	.1482	38.42	2.507
#1	-.0578	259.9	2.719	1159.
#2	.1566	260.1	6.253	1123.
#3	-1.266	259.3	5.107	1180.

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	2269.2	25338.	2530.8
Stddev	4.3	102.	4.8
%RSD	.19079	.40300	.19124
#1	2274.2	25373.	2535.3
#2	2266.6	25419.	2531.5
#3	2266.7	25224.	2525.7

Sample Name: 460-43279-a-1-b@5 Acquired: 8/10/2012 15:05:03 Type: Unk
Method: SW8460080712(v2) 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	47.97	.2308	-.6869	119.9	-.1361	14120.
Stddev	13.51	3.419	.3387	.5	.2270	28.
%RSD	28.17	1482.	49.31	.4288	166.8	.1988
#1	46.07	1.446	-.3829	120.3	-.3735	14140.
#2	62.33	2.876	-.6258	119.9	-.1138	14120.
#3	35.51	-3.630	-1.052	119.3	.0789	14090.

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	.7804	.5718	-.4260	32.36	38.13	-.95.07
Stddev	.0194	.4647	.1667	5.59	20.17	31.66
%RSD	2.490	81.28	39.13	17.26	52.90	33.31
#1	.7609	.8986	-.4528	29.54	41.31	-77.66
#2	.7998	.7770	-.5776	38.79	56.52	-131.6
#3	.7805	.0398	-.2475	28.74	16.56	-75.92

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	1949.	168.6	239700.	3.130	33.52	9.059
Stddev	7.	.2	942.	.362	1.44	2.658
%RSD	.3367	.1210	.3929	11.56	4.304	29.34
#1	1956.	168.8	239400.	2.729	33.51	6.482
#2	1946.	168.6	240800.	3.433	34.96	11.79
#3	1944.	168.4	239000.	3.229	32.08	8.904

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

Sample Name: 460-43279-a-1-b@5 Acquired: 8/10/2012 15:05:03 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-1.829	.1012	-.1886	239.9	25.32	-.4854
Stddev	3.426	3.410	.0434	1.0	.28	.1621
%RSD	187.3	3371.	23.02	.4137	1.118	33.40
#1	-.0865	4.038	-.2212	240.3	25.54	-.4130
#2	-5.775	-1.823	-.1393	240.5	25.00	-.6710
#3	.3752	-1.911	-.2054	238.7	25.42	-.3720

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

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	.4111	51.10	1.238	752.6
Stddev	1.558	.05	1.199	6.2
%RSD	379.0	.1058	96.81	.8297
#1	-1.382	51.08	1.929	758.3
#2	1.431	51.07	1.933	753.5
#3	1.185	51.17	-.1460	746.0

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	2291.1	25617.	2526.9
Stddev	12.4	184.	17.9
%RSD	.54230	.71631	.70974
#1	2305.2	25744.	2546.1
#2	2281.7	25700.	2523.9
#3	2286.3	25407.	2510.6

Sample Name: 460-43282-a-2-d@5 Acquired: 8/10/2012 15:08:44 Type: Unk
Method: SW8460080712(v2) 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	203.2	1.158	.0361	80.48	.2728	29490.
Stddev	5.2	2.300	1.081	.47	.2722	32.
%RSD	2.555	198.6	2993.	.5867	99.77	.1088

#1	197.5	3.197	1.107	80.26	.1297	29520.
#2	207.7	1.612	-1.054	81.02	.1021	29460.
#3	204.2	-1.335	.0549	80.16	.5867	29480.

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	1.570	7.429	.3807	-5.303	1699.	245.2
Stddev	.086	.457	.6474	4.250	9.	43.9
%RSD	5.512	6.152	170.0	80.15	.5153	17.92

#1	1.478	7.806	.3221	-3.286	1708.	264.8
#2	1.583	7.559	1.055	-2.436	1699.	276.0
#3	1.650	6.921	-.2354	-10.19	1690.	194.9

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	2075.	311.8	F 267900.	17.76	563.1	-.5402
Stddev	13.	.7	1008.	.29	2.5	1.580
%RSD	.6309	.2222	.3763	1.609	.4436	292.5

#1	2080.	312.2	269000.	17.43	564.1	-1.641
#2	2060.	312.2	267200.	17.94	560.3	1.270
#3	2084.	311.0	267400.	17.91	564.9	-1.250

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

Sample Name: 460-43282-a-2-d@5 Acquired: 8/10/2012 15:08:44 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-7.074	.6530	-.1747	297.2	29.87	-.3092
Stddev	2.504	2.293	.1783	.9	.68	.3045
%RSD	35.41	351.1	102.0	.3101	2.286	98.48
#1	-7.054	-.0145	-.3358	298.2	29.08	-.5982
#2	-9.588	-1.232	.0169	297.2	30.23	-.3381
#3	-4.579	3.205	-.2053	296.3	30.29	.0087

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

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	.0396	191.4	1.749	1922.
Stddev	1.799	.1	.187	21.
%RSD	4542.	.0601	10.69	1.085
#1	-1.582	191.5	1.797	1941.
#2	1.974	191.3	1.907	1924.
#3	-.2733	191.4	1.542	1900.

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	2263.1	25094.	2492.7
Stddev	14.4	141.	15.3
%RSD	.63563	.56004	.61420
#1	2278.1	25216.	2498.2
#2	2261.8	25126.	2504.5
#3	2249.5	24940.	2475.4

Sample Name: CCV Acquired: 8/10/2012 15:12:24 Type: QC
Method: SW8460080712(v2) 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	125600.	2513.	1261.	10060.	990.1	126000.
Stddev	882.	6.	14.	8.	5.0	699.
%RSD	.7023	.2580	1.073	.0804	.5059	.5545

#1	125700.	2518.	1276.	10070.	988.6	125800.
#2	126400.	2516.	1255.	10070.	995.7	126700.
#3	124600.	2506.	1251.	10050.	986.0	125400.

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.	2547.	5117.	12380.	102000.	50080.
Stddev	2.	6.	52.	70.	903.	192.
%RSD	.1299	.2219	1.021	.5692	.8853	.3837

#1	1265.	2547.	5176.	12330.	103000.	49880.
#2	1265.	2552.	5098.	12460.	101600.	50260.
#3	1262.	2541.	5077.	12350.	101300.	50100.

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	128100.	5162.	124400.	2555.	7665.	1008.
Stddev	1395.	44.	816.	4.	3.	6.
%RSD	1.089	.8490	.6563	.1756	.0436	.6360

#1	129700.	5213.	124200.	2559.	7664.	1006.
#2	127700.	5141.	125300.	2556.	7668.	1016.
#3	127000.	5133.	123700.	2550.	7661.	1003.

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

Sample Name: CCV Acquired: 8/10/2012 15:12:24 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	2519.	2536.	2497.	2534.	1000.	2514.
Stddev	5.	7.	20.	1.	2.	2.
%RSD	.2131	.2570	.8163	.0520	.1838	.0860

#1	2524.	2542.	2521.	2534.	1001.	2512.
#2	2518.	2537.	2485.	2536.	1001.	2516.
#3	2514.	2529.	2486.	2533.	998.2	2514.

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

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	1014.	5009.	10020.	9757.
Stddev	2.	26.	66.	34.
%RSD	.2440	.5285	.6584	.3453

#1	1015.	5003.	10040.	9719.
#2	1011.	5038.	10080.	9768.
#3	1015.	4985.	9952.	9784.

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	2175.3	24535.	2422.9
Stddev	1.1	160.	11.9
%RSD	.05142	.65161	.48971

#1	2175.2	24355.	2425.8
#2	2174.3	24589.	2409.9
#3	2176.5	24662.	2433.1

Sample Name: CCB Acquired: 8/10/2012 15:15:45 Type: QC
Method: SW8460080712(v2) 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	-3.516	1.637	-.3845	.4324	.0513	40.78
Stddev	19.94	1.990	.8784	.3881	.0910	11.15
%RSD	567.1	121.6	228.4	89.74	177.3	27.34

#1	15.82	3.319	-1.395	.8688	-.0532	45.05
#2	-24.01	-.5606	.0472	.3022	.1132	28.13
#3	-2.356	2.154	.1944	.1262	.0940	49.18

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	.0145	.1802	-.3302	.0775	16.45	-43.26
Stddev	.1140	.1828	.9366	1.022	26.15	49.17
%RSD	787.2	101.4	283.7	1320.	159.0	113.7

#1	.1239	.3814	-.0323	.4423	22.40	-12.63
#2	.0231	.0244	.4213	.8671	39.12	-17.17
#3	-.1035	.1349	-1.379	-1.077	-12.16	-99.97

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	6.404	.3608	143.6	.3015	2.648	-.4176
Stddev	10.39	.2840	45.1	.2276	.720	1.256
%RSD	162.2	78.72	31.43	75.48	27.20	300.7

#1	18.18	.6614	188.8	.4856	2.816	-1.678
#2	2.511	.3240	143.3	.3719	3.270	-.4077
#3	-1.478	.0970	98.58	.0471	1.859	.8330

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

Sample Name: CCB Acquired: 8/10/2012 15:15:45 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-2.002	.5236	-.1303	-.0156	.9386	2.770
Stddev	4.196	.4448	.2193	.1749	.4075	1.882
%RSD	209.6	84.94	168.3	1121.	43.42	67.93
#1	-6.691	.1037	-.2519	.1819	1.347	4.926
#2	-.7144	.4775	-.2619	-.0776	.9359	1.925
#3	1.400	.9897	.1229	-.1511	.5325	1.459

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

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	.1071	.4502	1.575	18.78
Stddev	1.267	.7084	1.444	2.85
%RSD	1182.	157.4	91.69	15.18
#1	1.437	1.267	2.628	15.57
#2	-1.085	.0843	2.167	21.04
#3	-.0303	-.0004	-.0710	19.73

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	2330.6	26490.	2455.3
Stddev	6.5	68.	16.8
%RSD	.27895	.25748	.68437
#1	2323.1	26492.	2445.6
#2	2334.8	26421.	2474.7
#3	2333.9	26557.	2445.6

Sample Name: 460-43282-a-4-e@5 Acquired: 8/10/2012 15:19:32 Type: Unk
Method: SW8460080712(v2) 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	247.8	.8711	-.6776	67.00	.0981	24680.
Stddev	15.2	3.587	1.460	.34	.2482	39.
%RSD	6.111	411.8	215.4	.5050	253.0	.1561

#1	265.0	1.278	.9581	66.88	.1895	24650.
#2	242.2	4.238	-1.144	67.38	.2877	24720.
#3	236.4	-2.903	-1.847	66.73	-.1828	24660.

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	.4086	5.225	.6748	-5.920	6400.	13.46
Stddev	.0426	.414	.0455	4.128	11.	11.82
%RSD	10.43	7.927	6.739	69.72	.1700	87.80

#1	.3827	5.050	.6377	-7.666	6399.	.7362
#2	.3853	4.927	.7255	-8.888	6390.	24.09
#3	.4578	5.698	.6611	-1.207	6412.	15.55

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	1505.	155.0	F 272800.	11.15	13.97	.0645
Stddev	3.	.8	1959.	.32	1.25	2.006
%RSD	.1777	.5193	.7183	2.893	8.959	3108.

#1	1502.	154.9	274700.	11.05	15.35	.0614
#2	1507.	155.8	272900.	11.50	13.65	-1.940
#3	1507.	154.2	270800.	10.88	12.91	2.072

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

Sample Name: 460-43282-a-4-e@5 Acquired: 8/10/2012 15:19:32 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-4.504	-.2608	.6424	37.65	28.08	.2234
Stddev	3.472	2.737	.4238	.46	.55	.4365
%RSD	77.08	1050.	65.97	1.214	1.953	195.4
#1	-.7139	1.467	.3156	37.83	28.48	.1394
#2	-7.530	-3.417	1.121	37.99	28.31	.6957
#3	-5.268	1.167	.4904	37.13	27.46	-.1651

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

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	-.0602	132.4	2.074	2097.
Stddev	1.664	.3	.500	5.
%RSD	2766.	.2045	24.10	.2332
#1	.4763	132.1	1.877	2100.
#2	-1.926	132.6	2.643	2099.
#3	1.269	132.5	1.703	2091.

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	2271.1	25191.	2482.1
Stddev	4.9	157.	9.2
%RSD	.21387	.62478	.37263
#1	2271.3	25269.	2479.1
#2	2266.1	25010.	2474.7
#3	2275.9	25294.	2492.5

Sample Name: 460-43282-a-6-c@5 Acquired: 8/10/2012 15:23:13 Type: Unk
Method: SW8460080712(v2) 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	196.1	1.313	-8543	44.06	-.0855	64330.
Stddev	15.9	1.917	.6651	.25	.2127	106.
%RSD	8.085	146.0	77.85	.5775	248.8	.1647

#1	181.9	2.659	-.5362	44.27	-.2531	64350.
#2	213.2	2.161	-1.619	44.13	.1538	64430.
#3	193.1	-.8821	-.4080	43.78	-.1573	64220.

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	.3369	18.37	-.3902	-4.329	5268.	-337.2
Stddev	.1983	.48	.9533	1.613	9.	30.9
%RSD	58.86	2.638	244.3	37.26	.1632	9.164

#1	.4262	18.86	-.2353	-6.175	5276.	-334.7
#2	.1096	17.89	-1.411	-3.194	5269.	-307.6
#3	.4748	18.35	.4761	-3.617	5259.	-369.2

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	3245.	528.5	F 272900.	73.14	34.67	-1.176
Stddev	15.	1.0	2062.	.80	.92	2.183
%RSD	.4504	.1814	.7555	1.097	2.659	185.6

#1	3261.	528.5	275200.	73.75	35.60	.9197
#2	3238.	529.5	272100.	73.44	34.65	-3.437
#3	3234.	527.6	271300.	72.23	33.76	-1.011

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

Sample Name: 460-43282-a-6-c@5 Acquired: 8/10/2012 15:23:13 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-3.659	-1.105	.4862	324.4	20.07	-.1228
Stddev	4.151	1.980	.3584	1.4	1.23	.2430
%RSD	113.4	179.1	73.71	.4317	6.151	197.9
#1	-4.838	-1.229	.4540	325.8	21.46	-.3940
#2	.9532	.9338	.8597	324.2	19.62	-.0499
#3	-7.094	-3.020	.1450	323.1	19.12	.0754

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

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	-.5150	92.24	5.194	1714.
Stddev	.7015	.28	1.134	37.
%RSD	136.2	.3079	21.83	2.160
#1	-1.173	92.37	4.286	1739.
#2	-.5945	92.44	4.831	1731.
#3	.2229	91.92	6.465	1671.

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	2260.0	25169.	2498.2
Stddev	6.2	59.	5.5
%RSD	.27427	.23585	.21847
#1	2257.3	25236.	2503.3
#2	2267.1	25123.	2498.7
#3	2255.6	25148.	2492.5

Sample Name: 460-43282-a-8-d@5 Acquired: 8/10/2012 15:26:53 Type: Unk
Method: SW8460080712(v2) 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	276.6	-1.482	-1.289	93.10	.0342	46340.
Stddev	25.1	1.518	.321	.28	.0671	483.
%RSD	9.091	102.4	24.92	.2959	196.2	1.043

#1	301.8	-1.523	-1.435	93.40	.0874	46890.
#2	276.4	.0560	-1.512	93.05	-.0412	46100.
#3	251.5	-2.979	-.9210	92.86	.0565	46020.

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	.1682	3.766	.2553	-4.001	8925.	236.0
Stddev	.1329	.359	.5075	5.473	49.	16.6
%RSD	79.00	9.529	198.8	136.8	.5454	7.014

#1	.2891	3.352	-.2720	-9.926	8960.	220.5
#2	.1895	3.954	.7403	.8657	8946.	234.1
#3	.0260	3.991	.2976	-2.943	8869.	253.4

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	1365.	237.0	F 279500.	8.673	50.19	-3.836
Stddev	7.	1.0	3701.	.550	1.25	2.825
%RSD	.4763	.4231	1.324	6.344	2.494	73.64

#1	1359.	238.2	283800.	8.048	50.22	-4.774
#2	1372.	236.4	277000.	9.084	48.93	-.6615
#3	1366.	236.5	277800.	8.887	51.43	-6.073

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

Sample Name: 460-43282-a-8-d@5 Acquired: 8/10/2012 15:26:53 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	.3326	1.192	.6399	93.81	23.88	-.3628
Stddev	3.037	2.691	.4856	.54	.37	.1830
%RSD	913.2	225.7	75.89	.5772	1.547	50.43
#1	-3.140	2.362	.8697	93.96	23.64	-.4531
#2	2.496	-1.885	.9678	94.25	23.70	-.4831
#3	1.641	3.101	.0820	93.20	24.31	-.1523

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

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	.8278	210.4	5.810	1242.
Stddev	1.341	1.7	1.420	21.
%RSD	162.0	.8188	24.44	1.696
#1	1.095	212.4	7.170	1236.
#2	-.6271	209.3	5.923	1224.
#3	2.015	209.6	4.337	1265.

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	2259.4	25075.	2482.4
Stddev	8.3	18.	15.1
%RSD	.36794	.07283	.60768
#1	2262.1	25092.	2465.2
#2	2266.1	25056.	2493.5
#3	2250.1	25078.	2488.4

Sample Name: 460-43282-a-10-d@5 Acquired: 8/10/2012 15:30:34 Type: Unk
Method: SW8460080712(v2) 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	285.4	1.607	-3766	41.25	.2458	34320.
Stddev	19.3	2.157	.7683	.13	.0648	180.
%RSD	6.764	134.3	204.0	.3170	26.35	.5246

#1	293.9	-.7926	-.2031	41.26	.3189	34170.
#2	298.9	3.386	.2902	41.38	.2229	34260.
#3	263.3	2.227	-1.217	41.12	.1956	34520.

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	.0911	2.310	.4505	-10.33	3202.	-249.9
Stddev	.0390	.489	.4349	2.70	23.	101.6
%RSD	42.77	21.18	96.54	26.13	.7033	40.67

#1	.0469	1.898	.4262	-8.423	3186.	-132.9
#2	.1204	2.182	.8970	-13.42	3228.	-300.5
#3	.1060	2.851	.0282	-9.145	3193.	-316.2

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	826.3	180.5	F 256100.	5.937	17.32	-2.141
Stddev	8.3	.7	404.	.266	1.27	1.728
%RSD	1.010	.3854	.1577	4.479	7.358	80.72

#1	821.9	179.7	256300.	6.208	18.80	-.2139
#2	821.1	180.9	255600.	5.926	16.61	-3.553
#3	836.0	181.0	256300.	5.677	16.57	-2.656

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

Sample Name: 460-43282-a-10-d@5 Acquired: 8/10/2012 15:30:34 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-5.056	-2.058	.1074	25.45	15.78	-.1267
Stddev	.630	1.364	.5836	.13	1.23	.5392
%RSD	12.46	66.28	543.2	.4912	7.801	425.7
#1	-5.416	-1.275	-.4490	25.36	14.64	.4140
#2	-4.329	-3.633	.7148	25.39	17.08	-.6644
#3	-5.424	-1.266	.0564	25.59	15.61	-.1296

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

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	.6191	113.0	3.828	1093.
Stddev	1.119	1.2	2.261	7.
%RSD	180.7	1.033	59.08	.6399
#1	.4745	111.9	5.136	1085.
#2	-.4205	113.0	1.217	1095.
#3	1.803	114.2	5.131	1098.

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	2257.7	25241.	2486.8
Stddev	3.1	56.	9.8
%RSD	.13826	.22186	.39576
#1	2257.5	25229.	2495.1
#2	2254.7	25302.	2489.5
#3	2261.0	25192.	2475.9

Sample Name: 460-43267-a-1-b@4 Acquired: 8/10/2012 15:34:16 Type: Unk
Method: SW8460080712(v2) 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	46950.	30.29	-.2965	8466.	2.525	15640.
Stddev	159.	2.75	.6495	36.	.272	32.
%RSD	.3388	9.089	219.0	.4215	10.75	.2022

#1	46900.	33.04	-.1966	8494.	2.663	15620.
#2	46820.	30.29	.2972	8478.	2.212	15610.
#3	47130.	27.53	-.9903	8426.	2.700	15670.

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	37.93	37.50	204.3	229.3	98340.	2607.
Stddev	.21	.09	.9	3.6	565.	26.
%RSD	.5520	.2271	.4302	1.567	.5748	1.003

#1	38.15	37.50	205.2	230.7	98990.	2588.
#2	37.89	37.41	204.4	232.0	98120.	2595.
#3	37.73	37.58	203.4	225.3	97920.	2637.

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	9846.	1724.	462.8	81.28	5316.	61.13
Stddev	49.	8.	64.5	.59	20.	1.66
%RSD	.5008	.4893	13.93	.7220	.3802	2.715

#1	9901.	1733.	524.5	81.89	5328.	59.49
#2	9832.	1721.	468.0	81.23	5327.	61.08
#3	9806.	1717.	395.8	80.72	5292.	62.81

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

Sample Name: 460-43267-a-1-b@4 Acquired: 8/10/2012 15:34:16 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5360	-1.032	185.8	3068.	14.98	2.634
Stddev	3.993	3.354	1.5	9.	.52	.456
%RSD	745.0	324.9	.7893	.2901	3.485	17.32
#1	.8403	2.794	187.4	3074.	15.23	2.487
#2	-3.601	-3.465	185.5	3072.	15.33	3.145
#3	4.368	-2.425	184.6	3057.	14.38	2.269

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

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	149.1	152.5	842.9	1227.
Stddev	.6	.3	4.1	23.
%RSD	.3958	.1910	.4921	1.908
#1	149.3	152.3	847.6	1243.
#2	148.4	152.4	839.8	1238.
#3	149.5	152.8	841.3	1200.

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	2450.4	27841.	2669.9
Stddev	6.6	153.	10.7
%RSD	.26985	.55056	.40083
#1	2444.5	27689.	2681.7
#2	2449.1	27995.	2667.2
#3	2457.6	27839.	2660.8

Sample Name: 460-43267-a-2-b@4 Acquired: 8/10/2012 15:37:50 Type: Unk
Method: SW8460080712(v2) 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	43080.	17.78	-9743	1829.	1.970	6779.
Stddev	329.	.70	.8422	11.	.055	57.
%RSD	.7633	3.936	86.45	.5824	2.796	.8383
#1	42950.	17.06	-1.945	1841.	1.911	6723.
#2	43450.	17.83	-.5398	1826.	2.020	6837.
#3	42840.	18.45	-.4380	1820.	1.980	6779.

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	17.81	24.31	121.1	81.99	54250.	2567.
Stddev	.27	.27	1.2	4.82	196.	81.
%RSD	1.505	1.129	.9728	5.877	.3611	3.140
#1	18.11	24.59	122.2	79.26	54040.	2608.
#2	17.72	24.04	121.2	87.56	54420.	2618.
#3	17.59	24.29	119.8	79.16	54310.	2474.

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	6782.	247.7	696.3	48.82	710.6	5.657
Stddev	13.	1.1	16.8	.80	4.4	1.490
%RSD	.1929	.4622	2.407	1.640	.6183	26.35
#1	6769.	246.4	712.6	48.12	715.6	7.143
#2	6782.	248.4	697.2	49.70	707.4	4.163
#3	6795.	248.5	679.1	48.65	708.7	5.665

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

Sample Name: 460-43267-a-2-b@4 Acquired: 8/10/2012 15:37:50 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-4.116	-.0814	118.8	773.7	11.62	3.157
Stddev	3.730	3.066	.9	5.2	.95	.281
%RSD	90.64	3766.	.7432	.6730	8.198	8.908
#1	-5.031	-3.092	118.2	779.4	10.81	2.954
#2	-.0130	3.037	119.8	772.5	12.67	3.478
#3	-7.304	-.1886	118.5	769.3	11.37	3.038

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

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	32.65	69.96	483.3	1297.
Stddev	.67	.52	5.1	5.
%RSD	2.045	.7427	1.064	.4143
#1	32.65	69.36	480.2	1291.
#2	31.99	70.32	489.2	1301.
#3	33.32	70.19	480.4	1300.

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	2422.2	27602.	2616.5
Stddev	17.0	60.	13.1
%RSD	.70384	.21823	.49928
#1	2402.6	27557.	2611.8
#2	2433.1	27579.	2606.4
#3	2431.1	27670.	2631.2

Sample Name: 460-43267-a-3-b@4 Acquired: 8/10/2012 15:41:26 Type: Unk
Method: SW8460080712(v2) 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	45360.	54.80	-4188	14310.	1.749	79270.
Stddev	210.	2.50	.6940	34.	.117	173.
%RSD	.4627	4.562	165.7	.2388	6.713	.2179

#1	45550.	51.95	.3646	14320.	1.788	79460.
#2	45130.	56.63	-.6646	14340.	1.617	79110.
#3	45400.	55.81	-.9565	14270.	1.841	79250.

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	45.44	28.55	188.1	234.1	142400.	2073.
Stddev	.25	.30	1.0	7.5	226.	28.
%RSD	.5455	1.038	.5303	3.220	.1588	1.372

#1	45.57	28.40	188.4	230.9	142100.	2106.
#2	45.60	28.36	189.0	228.7	142600.	2058.
#3	45.16	28.89	187.0	242.7	142300.	2055.

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	24020.	1312.	863.4	74.69	9891.	166.7
Stddev	47.	2.	8.5	.64	23.	1.2
%RSD	.1938	.1850	.9824	.8569	.2370	.7284

#1	23970.	1309.	856.5	74.37	9895.	167.7
#2	24020.	1313.	872.9	75.43	9911.	165.3
#3	24060.	1314.	860.9	74.27	9865.	166.9

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

Sample Name: 460-43267-a-3-b@4 Acquired: 8/10/2012 15:41:26 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	1.047	1.388	120.7	4553.	21.39	3.614
Stddev	.791	2.883	.8	13.	.65	.128
%RSD	75.57	207.7	.6999	.2751	3.017	3.527
#1	1.297	-1.818	119.8	4555.	22.01	3.715
#2	1.682	2.214	121.2	4565.	20.72	3.656
#3	.1608	3.768	121.2	4540.	21.45	3.471

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

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	461.4	315.0	602.2	1212.
Stddev	.8	.6	2.4	33.
%RSD	.1691	.2034	.3972	2.721
#1	460.5	315.7	600.9	1238.
#2	461.8	314.4	600.7	1224.
#3	461.9	315.0	604.9	1175.

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	2359.3	26805.	2580.9
Stddev	2.4	43.	9.5
%RSD	.10349	.16227	.36642
#1	2357.4	26854.	2574.1
#2	2358.5	26771.	2591.7
#3	2362.1	26790.	2576.9

Sample Name: 460-43026-e-1-e@4 Acquired: 8/10/2012 15:45:00 Type: Unk
Method: SW8460080712(v2) 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	18210.	54.92	-9721	585.0	1.239	84440.
Stddev	31.	3.21	1.169	.7	.150	84.
%RSD	.1728	5.846	120.2	.1262	12.13	.0989

#1	18220.	54.83	-3959	585.7	1.095	84480.
#2	18230.	58.17	-2.317	585.0	1.228	84340.
#3	18170.	51.75	-.2033	584.2	1.395	84490.

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	.0682	16.67	50.06	115.1	86260.	6633.
Stddev	.0357	.21	.30	4.2	245.	123.
%RSD	52.31	1.239	.6046	3.639	.2837	1.855

#1	.0271	16.86	50.40	110.3	86250.	6676.
#2	.0908	16.70	49.94	118.0	86510.	6495.
#3	.0869	16.45	49.83	116.9	86020.	6729.

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	20860.	619.6	3164.	35.83	4123.	-1.726
Stddev	38.	1.2	17.	.41	8.	.870
%RSD	.1802	.1914	.5278	1.155	.1836	50.42

#1	20860.	619.1	3145.	35.66	4125.	-1.979
#2	20900.	620.9	3171.	36.30	4129.	-2.441
#3	20820.	618.7	3176.	35.53	4114.	-.7572

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

Sample Name: 460-43026-e-1-e@4 Acquired: 8/10/2012 15:45:00 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.862	4.329	86.24	342.8	254.1	6.990
Stddev	4.105	1.950	.98	1.0	.7	.345
%RSD	52.21	45.04	1.139	.2793	.2724	4.941
#1	11.98	2.623	86.64	343.8	253.3	6.910
#2	3.768	6.455	86.95	342.7	254.4	7.368
#3	7.841	3.910	85.12	341.9	254.6	6.691

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

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	181.2	483.1	1158.	1048.
Stddev	1.7	.4	2.	17.
%RSD	.9599	.0873	.1650	1.654
#1	182.6	483.5	1159.	1059.
#2	181.7	482.7	1159.	1057.
#3	179.3	483.2	1156.	1028.

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	2336.8	26433.	2527.9
Stddev	3.5	21.	4.3
%RSD	.14879	.07845	.17028
#1	2338.8	26411.	2529.5
#2	2338.7	26452.	2523.1
#3	2332.8	26436.	2531.3

Sample Name: 460-43026-e-2-f@4 Acquired: 8/10/2012 15:48:37 Type: Unk
Method: SW8460080712(v2) 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	32630.	182.5	-2.360	334.7	1.655	21130.
Stddev	96.	1.5	.802	1.5	.204	49.
%RSD	.2936	.8481	33.98	.4534	12.30	.2341
#1	32530.	184.2	-1.528	335.6	1.420	21160.
#2	32710.	181.8	-3.128	335.6	1.777	21170.
#3	32660.	181.3	-2.423	333.0	1.769	21080.

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	-1.291	55.89	91.98	298.0	F 380900.	2549.
Stddev	.084	.29	.35	2.7	124.	95.
%RSD	6.475	.5120	.3824	.8994	.0327	3.710
#1	-1.286	55.87	92.20	295.5	380900.	2498.
#2	-1.209	56.19	91.57	297.6	380800.	2491.
#3	-1.376	55.61	92.17	300.8	381000.	2658.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

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	10350.	1829.	1123.	107.5	1259.	-2.143
Stddev	27.	1.	5.	.5	4.	.580
%RSD	.2612	.0593	.4255	.4816	.3453	27.05
#1	10320.	1829.	1119.	107.3	1262.	-2.098
#2	10380.	1830.	1128.	108.1	1260.	-2.744
#3	10360.	1828.	1121.	107.1	1254.	-1.587

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

Sample Name: 460-43026-e-2-f@4 Acquired: 8/10/2012 15:48:37 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	29.80	F -109.2	102.6	626.5	27.67	45.00
Stddev	3.12	4.1	.1	3.4	.15	.36
%RSD	10.46	3.712	.1261	.5453	.5598	.8066
#1	33.27	-106.3	102.5	628.1	27.49	45.41
#2	28.91	-113.9	102.8	628.7	27.78	44.73
#3	27.23	-107.5	102.6	622.5	27.73	44.85

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5000.				
Low Limit		-20.00				

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	33.09	225.2	700.9	952.4
Stddev	.80	.3	1.3	29.8
%RSD	2.404	.1142	.1919	3.134
#1	32.57	225.3	700.3	983.1
#2	32.69	224.9	699.9	950.5
#3	34.01	225.3	702.4	923.5

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	2366.9	26603.	2548.7
Stddev	4.7	40.	2.4
%RSD	.19978	.14908	.09523
#1	2362.7	26631.	2548.9
#2	2372.0	26557.	2546.2
#3	2365.9	26620.	2551.0

Sample Name: 460-43026-e-3-d@4 Acquired: 8/10/2012 15:52:11 Type: Unk
Method: SW8460080712(v2) 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	45960.	77.45	1.261	367.5	2.823	41660.
Stddev	82.	3.16	.191	2.0	.028	70.
%RSD	.1774	4.076	15.18	.5474	.9959	.1680

#1	45960.	78.02	1.301	368.0	2.828	41680.
#2	46040.	80.29	1.428	369.2	2.792	41720.
#3	45880.	74.05	1.052	365.3	2.848	41580.

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	1.865	27.37	56.13	195.2	73510.	5886.
Stddev	.043	.24	.48	3.9	155.	24.
%RSD	2.278	.8699	.8464	2.020	.2101	.4094

#1	1.855	27.62	56.33	199.7	73440.	5890.
#2	1.828	27.15	56.48	192.9	73690.	5908.
#3	1.911	27.33	55.59	192.9	73400.	5860.

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.	2179.	4376.	71.28	4744.	3.668
Stddev	23.	3.	7.	.39	18.	.645
%RSD	.2311	.1506	.1499	.5444	.3823	17.59

#1	10150.	2178.	4383.	71.67	4755.	2.935
#2	10180.	2183.	4371.	71.27	4753.	4.149
#3	10140.	2177.	4374.	70.90	4723.	3.919

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

Sample Name: 460-43026-e-3-d@4 Acquired: 8/10/2012 15:52:11 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	15.49	F -53.95	76.56	723.3	24.76	18.63
Stddev	5.29	3.13	.48	3.3	1.51	.17
%RSD	34.17	5.802	.6276	.4495	6.112	.8935
#1	10.17	-57.25	76.04	726.3	26.46	18.44
#2	15.54	-51.02	76.99	723.7	24.25	18.71
#3	20.75	-53.58	76.64	719.8	23.57	18.74

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5000.				
Low Limit		-20.00				

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	55.92	307.3	3949.	830.2
Stddev	.29	1.1	4.	26.4
%RSD	.5250	.3704	.0977	3.174
#1	55.81	306.9	3952.	845.7
#2	55.69	308.5	3949.	845.1
#3	56.25	306.3	3944.	799.8

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	2394.0	26949.	2565.0
Stddev	3.3	18.	8.8
%RSD	.13686	.06688	.34381
#1	2397.8	26929.	2568.4
#2	2392.1	26963.	2571.7
#3	2392.2	26955.	2555.0

Sample Name: CCV Acquired: 8/10/2012 15:55:51 Type: QC
Method: SW8460080712(v2) 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	125000.	2508.	1255.	10070.	993.3	125800.
Stddev	362.	6.	2.	17.	6.8	679.
%RSD	.2896	.2362	.1839	.1639	.6852	.5399

#1	125200.	2503.	1258.	10060.	995.3	126100.
#2	125200.	2514.	1255.	10090.	998.8	126200.
#3	124600.	2507.	1253.	10060.	985.7	125000.

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.	2550.	5098.	12400.	101700.	50190.
Stddev	3.	3.	9.	59.	109.	209.
%RSD	.2297	.1045	.1681	.4736	.1074	.4157

#1	1262.	2550.	5095.	12450.	101800.	50280.
#2	1268.	2553.	5108.	12410.	101700.	50340.
#3	1264.	2547.	5092.	12330.	101600.	49950.

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	127800.	5157.	125300.	2557.	7665.	1015.
Stddev	153.	6.	708.	3.	17.	5.
%RSD	.1200	.1194	.5646	.1323	.2180	.5190

#1	127700.	5155.	125900.	2558.	7651.	1014.
#2	128000.	5164.	125600.	2560.	7684.	1021.
#3	127700.	5152.	124500.	2554.	7661.	1011.

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

Sample Name: CCV Acquired: 8/10/2012 15:55:51 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	2511.	2533.	2485.	2533.	999.5	2515.
Stddev	5.	4.	5.	4.	1.6	6.
%RSD	.1846	.1564	.1945	.1724	.1626	.2398

#1	2510.	2529.	2485.	2533.	997.6	2509.
#2	2516.	2537.	2490.	2538.	1000.	2520.
#3	2506.	2532.	2480.	2529.	1000.	2517.

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

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	1014.	5008.	9997.	9764.
Stddev	1.	21.	36.	117.
%RSD	.1044	.4235	.3559	1.200

#1	1013.	5016.	10020.	9652.
#2	1015.	5024.	10010.	9886.
#3	1014.	4984.	9957.	9755.

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	2194.4	24862.	2441.7
Stddev	6.1	41.	9.9
%RSD	.27592	.16416	.40566

#1	2201.3	24909.	2430.3
#2	2189.9	24832.	2448.0
#3	2192.0	24846.	2446.8

Sample Name: CCB Acquired: 8/10/2012 15:59:12 Type: QC
Method: SW8460080712(v2) 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	23.82	.7118	.4149	.5751	.0751	10.49
Stddev	32.04	.3296	1.303	.6760	.0755	19.33
%RSD	134.5	46.30	314.1	117.5	100.5	184.4

#1	32.29	.4425	-.8143	1.350	.0265	15.87
#2	50.77	1.079	.2781	.2652	.0368	26.56
#3	-11.61	.6137	1.781	.1096	.1621	-10.97

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	.0175	.3859	.0322	-5.325	12.52	-24.62
Stddev	.0936	.1197	.1425	1.445	10.51	38.62
%RSD	535.8	31.01	442.1	27.13	83.99	156.9

#1	.1209	.3174	-.1171	-4.390	18.49	17.09
#2	-.0069	.5242	.0470	-4.596	.3783	-59.13
#3	-.0615	.3162	.1669	-6.989	18.68	-31.83

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	7.238	.3655	47.03	.3751	1.533	.8992
Stddev	13.60	.4481	17.61	.5710	1.266	1.054
%RSD	187.9	122.6	37.44	152.2	82.60	117.3

#1	21.39	.8788	65.47	1.030	.6940	.2298
#2	6.045	.1649	45.24	.1131	2.990	.3532
#3	-5.723	.0527	30.39	-.0178	.9157	2.115

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

Sample Name: CCB Acquired: 8/10/2012 15:59:12 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-1.327	1.313	.4014	.0329	1.359	2.762
Stddev	5.033	3.068	.8335	.0943	.491	2.135
%RSD	379.2	233.7	207.6	286.6	36.13	77.31
#1	4.470	-2.210	1.316	-.0353	1.865	5.066
#2	-3.884	2.754	-.3159	.1405	.8840	2.371
#3	-4.568	3.395	.2044	-.0065	1.328	.8492

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

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	-.1491	.5838	.3028	8.198
Stddev	1.342	.6491	2.758	18.06
%RSD	900.2	111.2	910.9	220.2
#1	-.6598	1.333	3.467	-.4540
#2	-1.161	.2336	-.9648	28.95
#3	1.373	.1850	-1.594	-3.903

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	2361.0	26822.	2492.5
Stddev	5.7	57.	7.3
%RSD	.24095	.21126	.29236
#1	2367.5	26812.	2491.2
#2	2356.8	26883.	2500.4
#3	2358.8	26772.	2486.0

Sample Name: 460-43026-e-4-d@4 Acquired: 8/10/2012 16:03:01 Type: Unk
Method: SW8460080712(v2) 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	40400.	84.65	2.746	368.6	2.306	20940.
Stddev	251.	1.27	.261	.4	.089	17.
%RSD	.6210	1.495	9.514	.1077	3.851	.0824

#1	40340.	83.39	2.446	368.1	2.240	20950.
#2	40190.	84.62	2.926	368.8	2.407	20920.
#3	40680.	85.92	2.865	368.7	2.272	20950.

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	2.581	24.30	82.41	237.1	80060.	4470.
Stddev	.232	.06	.60	3.6	130.	48.
%RSD	8.993	.2399	.7244	1.519	.1627	1.067

#1	2.839	24.24	82.13	233.4	79930.	4523.
#2	2.515	24.34	82.00	240.6	80190.	4430.
#3	2.389	24.34	83.09	237.3	80080.	4458.

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	6847.	1939.	3281.	78.85	5949.	7.607
Stddev	25.	2.	3.	.59	3.	2.698
%RSD	.3645	.0944	.1010	.7495	.0530	35.47

#1	6827.	1938.	3284.	79.53	5951.	6.375
#2	6839.	1941.	3283.	78.48	5950.	10.70
#3	6875.	1938.	3278.	78.53	5945.	5.744

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

Sample Name: 460-43026-e-4-d@4 Acquired: 8/10/2012 16:03:01 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	12.10	F -45.02	74.22	936.7	24.80	23.57
Stddev	4.28	2.53	.35	2.3	.31	.06
%RSD	35.42	5.623	.4666	.2417	1.255	.2751
#1	8.309	-47.52	73.86	938.2	25.07	23.55
#2	16.75	-45.07	74.56	937.8	24.46	23.52
#3	11.23	-42.46	74.23	934.1	24.87	23.64
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5000.				
Low Limit		-20.00				

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	58.88	213.5	5488.	796.1
Stddev	.73	.1	14.	12.4
%RSD	1.237	.0677	.2613	1.562
#1	59.71	213.3	5471.	804.9
#2	58.34	213.6	5495.	801.5
#3	58.59	213.5	5497.	781.9
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	2385.1	26834.	2564.1
Stddev	2.7	23.	7.5
%RSD	.11511	.08437	.29379
#1	2388.2	26816.	2572.7
#2	2382.9	26859.	2558.9
#3	2384.3	26828.	2560.7

Sample Name: 460-43026-d-5-a@4 Acquired: 8/10/2012 16:06:37 Type: Unk
Method: SW8460080712(v2) 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	6580.	151.4	-2.901	314.4	.9402	3158.
Stddev	50.	4.1	1.469	1.3	.1084	6.
%RSD	.7557	2.712	50.65	.4286	11.53	.2033

#1	6539.	150.2	-2.156	315.9	.9279	3151.
#2	6635.	156.0	-1.953	313.8	1.054	3159.
#3	6566.	148.1	-4.593	313.4	.8384	3164.

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	-3.912	53.67	175.2	1162.	F 702700.	1030.
Stddev	.222	.44	1.0	4.	2062.	80.
%RSD	5.670	.8232	.5500	.3216	.2935	7.754

#1	-3.693	54.17	175.7	1157.	702300.	1110.
#2	-4.136	53.36	175.8	1164.	704900.	1029.
#3	-3.906	53.46	174.1	1164.	700900.	949.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

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	197.9	1235.	1468.	139.6	1353.	1.768
Stddev	7.5	3.	10.	.6	5.	2.921
%RSD	3.785	.2735	.6647	.4633	.3456	165.2

#1	204.4	1234.	1471.	140.3	1357.	-1.457
#2	199.5	1238.	1475.	139.3	1354.	4.236
#3	189.7	1232.	1457.	139.1	1348.	2.525

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

Sample Name: 460-43026-d-5-a@4 Acquired: 8/10/2012 16:06:37 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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 -20.81	-5.744	298.7	1174.	9.075	16.90
Stddev	2.02	3.004	1.1	5.	1.039	.31
%RSD	9.699	52.29	.3808	.4126	11.45	1.813
#1	-21.98	-9.115	298.0	1180.	9.529	16.75
#2	-21.96	-3.351	298.1	1173.	9.810	17.25
#3	-18.48	-4.768	300.0	1170.	7.886	16.69

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5000.					
Low Limit	-10.00					

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	54.70	264.6	969.2	713.9
Stddev	.51	1.1	1.0	5.4
%RSD	.9414	.4077	.1032	.7506
#1	54.53	264.4	970.1	720.1
#2	55.28	265.8	969.5	710.5
#3	54.29	263.6	968.1	711.2

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	2299.0	26162.	2516.6
Stddev	4.1	91.	5.6
%RSD	.17669	.34886	.22400
#1	2294.7	26246.	2518.9
#2	2302.7	26176.	2520.7
#3	2299.6	26065.	2510.2

Sample Name: 460-43026-d-6-a@4 Acquired: 8/10/2012 16:10:10 Type: Unk
Method: SW8460080712(v2) 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	66560.	56.54	-.0867	555.5	6.085	F 354700.
Stddev	186.	2.98	.7135	1.8	.202	1365.
%RSD	.2797	5.271	823.3	.3244	3.327	.3849

#1	66590.	57.92	.3121	553.9	6.181	355900.
#2	66730.	53.12	-.9104	557.5	5.852	355000.
#3	66360.	58.58	.3383	555.2	6.221	353200.

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

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	-.9405	46.29	126.0	106.2	133000.	17220.
Stddev	.0337	.25	1.2	7.8	279.	65.
%RSD	3.587	.5356	.9628	7.304	.2101	.3801

#1	-.9149	46.29	126.6	100.8	133200.	17290.
#2	-.9788	46.53	126.7	115.1	133100.	17200.
#3	-.9280	46.03	124.6	102.6	132700.	17160.

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	52600.	3991.	2906.	98.74	55.73	-1.127
Stddev	41.	6.	9.	.39	1.06	3.228
%RSD	.0774	.1544	.3110	.3955	1.899	286.4

#1	52620.	3995.	2916.	99.06	54.52	-4.841
#2	52620.	3984.	2903.	98.85	56.51	1.006
#3	52550.	3993.	2899.	98.31	56.15	.4530

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

Sample Name: 460-43026-d-6-a@4 Acquired: 8/10/2012 16:10:10 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-2.068	-5.532	171.2	215.2	100.1	6.515
Stddev	2.668	2.111	1.6	.9	1.2	.171
%RSD	129.0	38.17	.9154	.4063	1.154	2.631
#1	-4.508	-3.477	172.6	215.7	100.7	6.568
#2	.7813	-5.423	171.5	215.8	100.7	6.323
#3	-2.477	-7.696	169.5	214.2	98.72	6.654

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

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	2.695	2208.	2400.	1284.
Stddev	1.193	6.	3.	9.
%RSD	44.26	.2711	.1334	.7092
#1	2.845	2215.	2399.	1284.
#2	1.434	2208.	2404.	1275.
#3	3.806	2203.	2398.	1294.

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	2319.2	26068.	2581.8
Stddev	2.4	91.	3.8
%RSD	.10549	.34959	.14694
#1	2321.5	25965.	2581.2
#2	2316.6	26138.	2578.3
#3	2319.7	26101.	2585.8

Sample Name: 460-43026-d-7-a@4 Acquired: 8/10/2012 16:13:46 Type: Unk
Method: SW8460080712(v2) 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	49600.	40.15	.3065	333.3	1.694	24530.
Stddev	271.	1.59	.9732	2.9	.116	82.
%RSD	.5472	3.949	317.6	.8766	6.870	.3343

#1	49450.	41.56	-.7803	334.9	1.625	24510.
#2	49910.	38.44	.6024	335.1	1.629	24620.
#3	49420.	40.46	1.097	329.9	1.828	24460.

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	.9412	24.59	168.9	698.9	122400.	1396.
Stddev	.2303	.42	.5	3.1	424.	37.
%RSD	24.47	1.718	.2900	.4367	.3466	2.642

#1	.9995	24.46	169.1	695.6	122500.	1392.
#2	1.137	25.06	169.3	701.5	122700.	1435.
#3	.6873	24.24	168.3	699.7	121900.	1362.

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	3484.	833.4	719.3	77.61	7551.	2.432
Stddev	7.	2.0	10.2	.81	62.	1.967
%RSD	.2100	.2445	1.412	1.043	.8237	80.91

#1	3488.	833.4	710.2	78.26	7562.	.4697
#2	3489.	835.5	730.3	77.86	7607.	4.404
#3	3476.	831.4	717.6	76.70	7484.	2.420

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

Sample Name: 460-43026-d-7-a@4 Acquired: 8/10/2012 16:13:46 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-4.338	.5988	115.4	3720.	32.92	4.678
Stddev	3.555	1.891	.2	32.	.87	.325
%RSD	81.94	315.8	.1409	.8631	2.653	6.942
#1	-5.361	2.292	115.5	3733.	31.92	4.846
#2	-.3839	-1.442	115.2	3743.	33.29	4.884
#3	-7.269	.9467	115.5	3683.	33.54	4.304

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

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	226.3	203.0	1110.	2149.
Stddev	2.2	.8	9.	83.
%RSD	.9757	.4030	.8024	3.874
#1	227.1	202.3	1104.	2232.
#2	228.0	203.9	1120.	2149.
#3	223.8	202.9	1107.	2065.

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	2349.4	26775.	2558.2
Stddev	9.3	52.	6.5
%RSD	.39541	.19423	.25348
#1	2347.9	26800.	2559.2
#2	2340.9	26715.	2551.3
#3	2359.3	26809.	2564.1

Sample Name: 460-43026-d-8-a@4 Acquired: 8/10/2012 16:17:22 Type: Unk
Method: SW8460080712(v2) 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	39030.	37.20	-1518	378.7	2.460	243500.
Stddev	125.	.16	.6524	1.4	.195	1417.
%RSD	.3195	.4378	429.6	.3618	7.905	.5819

#1	38880.	37.36	.1533	379.3	2.345	242000.
#2	39090.	37.04	-.9009	379.8	2.684	243700.
#3	39100.	37.21	.2920	377.2	2.350	244900.

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	2.601	24.73	82.01	243.6	70150.	5901.
Stddev	.076	.48	.98	3.9	101.	39.
%RSD	2.935	1.925	1.194	1.616	.1443	.6689

#1	2.628	24.55	82.95	242.2	70140.	5863.
#2	2.514	25.27	81.00	240.5	70260.	5898.
#3	2.660	24.37	82.08	248.0	70060.	5942.

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	36120.	1084.	1750.	53.22	1493.	-4.410
Stddev	21.	3.	11.	.15	5.	.886
%RSD	.0578	.2473	.6271	.2743	.3328	20.08

#1	36110.	1081.	1758.	53.29	1494.	-5.180
#2	36110.	1086.	1738.	53.06	1497.	-4.608
#3	36150.	1085.	1755.	53.32	1487.	-3.442

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

Sample Name: 460-43026-d-8-a@4 Acquired: 8/10/2012 16:17:22 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-1.747	-1.912	131.1	607.2	51.34	3.733
Stddev	2.295	2.090	.3	1.7	.74	.068
%RSD	131.4	109.3	.2444	.2793	1.450	1.832
#1	-2.686	-2.850	131.0	607.5	51.39	3.784
#2	.8689	-3.368	130.8	608.7	52.06	3.655
#3	-3.422	.4831	131.4	605.4	50.57	3.760

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

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.	1101.	1716.	1372.
Stddev	2.	6.	2.	20.
%RSD	.2070	.5045	.1073	1.467
#1	1013.	1095.	1713.	1355.
#2	1013.	1102.	1717.	1367.
#3	1009.	1105.	1717.	1395.

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	2319.7	26344.	2568.2
Stddev	3.2	50.	16.8
%RSD	.13852	.18867	.65323
#1	2318.6	26370.	2582.1
#2	2323.3	26375.	2572.9
#3	2317.1	26287.	2549.5

Sample Name: 460-43026-e-9-d@4 Acquired: 8/10/2012 16:20:56 Type: Unk

Method: SW8460080712(v2) 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	32140.	21.01	-3379	337.8	2.454	F 322700.
Stddev	92.	2.74	.8929	1.5	.039	470.
%RSD	.2866	13.05	264.3	.4483	1.607	.1457

#1	32230.	20.72	-1.230	339.4	2.444	322900.
#2	32040.	23.89	.5558	337.7	2.420	322200.
#3	32140.	18.43	-.3395	336.3	2.497	323100.

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

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	.1600	21.65	73.31	78.04	61410.	4885.
Stddev	.0192	.30	.26	8.16	71.	41.
%RSD	11.98	1.383	.3538	10.46	.1155	.8493

#1	.1521	21.32	73.01	86.90	61390.	4933.
#2	.1460	21.75	73.48	76.39	61480.	4860.
#3	.1819	21.89	73.43	70.83	61340.	4863.

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	89700.	1507.	1555.	57.75	846.0	-.7529
Stddev	189.	3.	12.	.19	4.7	.3467
%RSD	.2105	.2231	.7515	.3302	.5532	46.05

#1	89870.	1509.	1546.	57.93	851.1	-1.153
#2	89740.	1509.	1549.	57.77	844.9	-.5474
#3	89500.	1503.	1568.	57.55	842.0	-.5581

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

Sample Name: 460-43026-e-9-d@4 Acquired: 8/10/2012 16:20:56 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-2.677	-4.486	140.8	285.4	51.47	1.591
Stddev	5.961	3.514	.8	1.6	.46	.237
%RSD	222.7	78.33	.5972	.5515	.8969	14.92
#1	-7.605	-3.476	140.6	287.2	51.99	1.361
#2	-4.374	-1.587	141.7	284.8	51.29	1.575
#3	3.949	-8.393	140.1	284.2	51.13	1.835

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

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	21.71	1075.	1086.	1149.
Stddev	1.34	3.	6.	34.
%RSD	6.181	.2629	.5076	2.971
#1	21.54	1078.	1092.	1183.
#2	23.13	1073.	1083.	1149.
#3	20.46	1074.	1083.	1114.

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	2298.7	26046.	2571.1
Stddev	7.8	69.	12.7
%RSD	.33899	.26661	.49574
#1	2290.6	25977.	2562.8
#2	2306.1	26116.	2585.8
#3	2299.3	26046.	2564.8

Sample Name: 460-43026-e-10-d@4 Acquired: 8/10/2012 16:24:33 Type: Unk
Method: SW8460080712(v2) 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	47390.	37.54	-.0403	378.9	3.954	228600.
Stddev	441.	2.69	.1878	.7	.154	1791.
%RSD	.9301	7.154	465.6	.1761	3.888	.7836

#1	47890.	37.24	-.1526	379.0	3.798	230700.
#2	47210.	35.02	-.1448	379.6	4.106	227800.
#3	47070.	40.36	.1765	378.2	3.957	227400.

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	67.85	34.68	221.2	154.5	105200.	11610.
Stddev	.24	.09	1.0	2.2	692.	36.
%RSD	.3566	.2625	.4424	1.437	.6583	.3109

#1	67.72	34.58	221.7	157.1	105900.	11590.
#2	68.13	34.74	221.9	153.4	105000.	11650.
#3	67.70	34.73	220.1	153.1	104600.	11580.

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	55750.	4166.	4058.	204.4	721.2	-.3756
Stddev	294.	29.	42.	.6	.3	3.083
%RSD	.5273	.6870	1.029	.2743	.0401	820.7

#1	56020.	4197.	4105.	204.5	720.9	3.181
#2	55790.	4160.	4025.	204.9	721.4	-2.273
#3	55440.	4140.	4045.	203.8	721.4	-2.035

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

Sample Name: 460-43026-e-10-d@4 Acquired: 8/10/2012 16:24:33 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-7.769	-9.750	171.5	4017.	79.56	18.91
Stddev	4.476	1.593	.9	11.	1.00	.08
%RSD	57.61	16.34	.4975	.2777	1.254	.4310
#1	-11.28	-7.942	172.5	4022.	79.95	18.83
#2	-9.294	-10.95	171.3	4025.	80.31	18.99
#3	-2.730	-10.36	170.8	4004.	78.43	18.92

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

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	34.44	1309.	1760.	1360.
Stddev	1.06	11.	15.	2.
%RSD	3.083	.8556	.8351	.1365
#1	35.52	1322.	1777.	1358.
#2	34.38	1304.	1751.	1361.
#3	33.40	1301.	1752.	1362.

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	2324.4	26276.	2569.7
Stddev	3.7	58.	11.9
%RSD	.15874	.21976	.46372
#1	2325.5	26238.	2558.4
#2	2327.3	26249.	2568.5
#3	2320.2	26343.	2582.2

Sample Name: 460-43232-a-1-k@4 Acquired: 8/10/2012 16:28:05 Type: Unk
Method: SW8460080712(v2) 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	19500.	3.874	-1.1828	82.82	1.939	576.5
Stddev	17.	2.346	.7113	.32	.254	30.8
%RSD	.0880	60.56	389.1	.3846	13.08	5.336

#1	19480.	5.590	.5949	83.05	2.133	612.0
#2	19510.	1.200	-.8004	82.96	1.652	557.6
#3	19510.	4.832	-.3429	82.46	2.032	559.9

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	-1.1830	7.162	26.66	-3.239	23260.	511.9
Stddev	.0306	.146	.29	2.772	35.	62.1
%RSD	16.72	2.046	1.101	85.56	.1504	12.13

#1	-1.1974	7.029	26.32	-5.780	23270.	529.2
#2	-1.1478	7.136	26.85	-.2834	23290.	563.4
#3	-.2037	7.319	26.81	-3.655	23230.	442.9

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	823.6	213.4	38.99	13.64	15.14	-.6247
Stddev	5.9	.6	7.57	.51	1.89	3.248
%RSD	.7150	.2738	19.42	3.738	12.48	520.0

#1	819.4	214.0	30.51	13.56	14.24	1.120
#2	830.4	213.5	41.38	13.18	17.32	-4.373
#3	821.1	212.8	45.07	14.19	13.88	1.379

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

Sample Name: 460-43232-a-1-k@4 Acquired: 8/10/2012 16:28:05 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.731	-.2260	38.14	46.90	2.117	-.1729
Stddev	1.850	.9959	.14	.06	.689	.2458
%RSD	67.75	440.6	.3730	.1264	32.53	142.1
#1	-.7632	-1.211	38.15	46.90	2.202	-.3900
#2	-2.995	-.2471	38.00	46.97	2.760	.0940
#3	-4.436	.7802	38.28	46.85	1.390	-.2228

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

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	.1929	13.49	207.0	887.8
Stddev	.6237	.16	1.0	10.3
%RSD	323.4	1.169	.4810	1.162
#1	.9094	13.64	206.4	898.5
#2	-.2284	13.32	208.2	887.0
#3	-.1023	13.52	206.5	877.9

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	2408.6	27502.	2569.4
Stddev	3.7	49.	16.6
%RSD	.15278	.17993	.64787
#1	2409.5	27445.	2569.1
#2	2404.6	27538.	2586.2
#3	2411.8	27522.	2552.9

Sample Name: 460-43017-e-41-d@4 Acquired: 8/10/2012 16:31:46 Type: Unk
Method: SW8460080712(v2) 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	64040.	11.78	-1.569	365.6	2.600	28870.
Stddev	179.	1.68	1.207	2.2	.226	79.
%RSD	.2799	14.28	76.93	.6020	8.674	.2754

#1	64160.	13.64	-8011	368.0	2.503	28860.
#2	64130.	10.37	-2.959	365.3	2.857	28950.
#3	63830.	11.33	-.9451	363.6	2.439	28790.

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	.8122	39.42	88.79	43.13	88500.	8379.
Stddev	.0413	.30	.28	.64	378.	30.
%RSD	5.089	.7675	.3124	1.473	.4273	.3631

#1	.7966	39.77	89.06	43.73	88900.	8352.
#2	.7810	39.29	88.50	43.19	88430.	8375.
#3	.8591	39.21	88.81	42.47	88150.	8412.

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	11420.	2026.	588.2	62.98	165.7	1.526
Stddev	84.	8.	12.1	.62	.1	3.490
%RSD	.7313	.4051	2.052	.9847	.0768	228.7

#1	11520.	2034.	574.4	63.12	165.7	4.131
#2	11390.	2025.	596.6	63.51	165.9	2.887
#3	11360.	2018.	593.8	62.30	165.6	-2.439

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

Sample Name: 460-43017-e-41-d@4 Acquired: 8/10/2012 16:31:46 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-5.222	-1.129	118.2	207.9	6.539	-.1307
Stddev	5.985	1.726	.7	1.2	.710	.1185
%RSD	114.6	152.8	.5971	.5865	10.85	90.67
#1	.1119	-3.116	118.8	209.2	6.167	-.0157
#2	-4.084	-.2692	117.4	207.7	6.092	-.2524
#3	-11.70	-.0024	118.5	206.8	7.357	-.1240

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

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	5.586	139.5	2422.	1632.
Stddev	1.699	.7	2.	82.
%RSD	30.42	.5150	.0894	5.019
#1	4.336	140.1	2423.	1714.
#2	7.521	139.8	2424.	1632.
#3	4.902	138.7	2420.	1550.

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	2405.0	27207.	2588.6
Stddev	8.1	94.	4.8
%RSD	.33500	.34453	.18718
#1	2395.9	27156.	2593.9
#2	2408.3	27151.	2587.4
#3	2410.9	27315.	2584.5

Sample Name: 460-43026-e-2-f@10 Acquired: 8/10/2012 16:35:23 Type: Unk
Method: SW8460080712(v2) 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	12810.	69.43	-1.704	130.7	.4637	8245.
Stddev	21.	1.67	.272	.5	.0835	27.
%RSD	.1616	2.406	15.95	.4150	18.01	.3279

#1	12820.	70.53	-1.476	130.9	.3990	8272.
#2	12810.	67.51	-2.004	131.2	.4342	8218.
#3	12780.	70.24	-1.631	130.1	.5580	8244.

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	-.5190	22.24	35.12	114.9	149800.	975.9
Stddev	.0236	.03	.17	1.8	151.	87.6
%RSD	4.540	.1466	.4931	1.524	.1007	8.974

#1	-.4934	22.22	34.93	115.1	149700.	1075.
#2	-.5397	22.28	35.27	113.1	149900.	910.1
#3	-.5241	22.22	35.16	116.6	149700.	942.3

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	4127.	717.2	464.1	42.44	502.3	-.7696
Stddev	5.	.5	7.3	.25	1.9	2.013
%RSD	.1102	.0644	1.573	.5998	.3718	261.6

#1	4129.	717.3	462.5	42.28	503.4	-3.049
#2	4131.	717.6	472.0	42.30	503.3	-.0244
#3	4122.	716.7	457.7	42.73	500.1	.7646

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

Sample Name: 460-43026-e-2-f@10 Acquired: 8/10/2012 16:35:23 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	8.562	F -40.50	39.06	247.3	8.399	17.45
Stddev	3.866	3.81	.74	.9	.565	.34
%RSD	45.15	9.421	1.886	.3612	6.729	1.952
#1	5.176	-41.11	39.31	248.2	8.226	17.77
#2	12.77	-43.96	39.63	247.3	9.030	17.49
#3	7.737	-36.41	38.23	246.4	7.940	17.09

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5000.				
Low Limit		-20.00				

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	12.48	88.09	272.2	372.3
Stddev	.64	.09	2.6	41.8
%RSD	5.154	.1060	.9545	11.23
#1	12.63	88.11	269.3	419.5
#2	13.04	87.99	273.1	357.5
#3	11.78	88.17	274.3	339.9

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	2386.6	26966.	2528.7
Stddev	5.0	76.	5.0
%RSD	.21092	.28344	.19796
#1	2381.5	27037.	2531.9
#2	2391.6	26885.	2531.1
#3	2386.7	26975.	2522.9

Sample Name: CCV Acquired: 8/10/2012 16:39:03 Type: QC
Method: SW8460080712(v2) 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	125400.	2522.	1262.	10110.	991.0	125400.
Stddev	447.	6.	2.	37.	4.9	415.
%RSD	.3562	.2470	.1781	.3613	.4965	.3312

#1	125200.	2530.	1263.	10150.	986.4	125100.
#2	125900.	2519.	1264.	10090.	996.2	125900.
#3	125100.	2519.	1259.	10080.	990.4	125200.

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	1270.	2562.	5121.	12350.	102200.	50000.
Stddev	4.	7.	11.	44.	344.	109.
%RSD	.3156	.2550	.2227	.3523	.3366	.2186

#1	1275.	2568.	5127.	12300.	102200.	49880.
#2	1269.	2561.	5129.	12370.	102600.	50010.
#3	1267.	2555.	5108.	12380.	101900.	50100.

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	129000.	5170.	125700.	2571.	7685.	1013.
Stddev	355.	12.	292.	7.	20.	2.
%RSD	.2751	.2260	.2324	.2883	.2574	.1486

#1	129000.	5163.	125600.	2579.	7708.	1014.
#2	129300.	5183.	126100.	2569.	7675.	1011.
#3	128600.	5163.	125500.	2565.	7672.	1013.

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

Sample Name: CCV Acquired: 8/10/2012 16:39:03 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	2529.	2551.	2495.	2544.	1004.	2527.
Stddev	13.	12.	7.	7.	1.	4.
%RSD	.5136	.4718	.2791	.2703	.0949	.1422

#1	2525.	2564.	2495.	2552.	1004.	2531.
#2	2518.	2539.	2502.	2542.	1004.	2526.
#3	2544.	2551.	2488.	2539.	1005.	2525.

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

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	1020.	5006.	10040.	9863.
Stddev	3.	17.	38.	22.
%RSD	.3418	.3403	.3768	.2211

#1	1024.	4989.	10020.	9861.
#2	1018.	5023.	10080.	9843.
#3	1017.	5008.	10020.	9886.

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	2198.2	24934.	2463.5
Stddev	2.9	113.	2.8
%RSD	.12993	.45319	.11540

#1	2196.3	24906.	2466.7
#2	2201.5	24839.	2461.3
#3	2196.9	25059.	2462.5

Sample Name: CCB Acquired: 8/10/2012 16:42:23 Type: QC
Method: SW8460080712(v2) 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	.4879	1.336	-.7188	.4972	-.1447	44.08
Stddev	28.48	3.415	.6848	.5235	.2647	9.65
%RSD	5837.	255.6	95.28	105.3	182.9	21.89

#1	15.49	5.279	-.9448	1.057	.0639	55.06
#2	-32.35	-.5706	.0505	.4138	-.4424	40.21
#3	18.33	-.6999	-1.262	.0205	-.0556	36.97

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	-.0030	.0605	.5269	-5.093	24.18	87.44
Stddev	.0482	.0426	.7668	5.456	12.86	59.80
%RSD	1616.	70.32	145.5	107.1	53.18	68.38

#1	-.0400	.0884	1.409	-5.428	27.89	155.8
#2	.0516	.0816	.0230	-10.37	34.79	61.78
#3	-.0206	.0115	.1484	.5222	9.878	44.76

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	16.55	.4415	65.79	.5914	1.056	-.5212
Stddev	14.34	.3684	25.50	.4665	.809	1.760
%RSD	86.67	83.43	38.75	78.87	76.61	337.7

#1	33.00	.8643	77.07	1.091	.6773	-.2140
#2	6.744	.2710	36.60	.1675	1.985	1.065
#3	9.888	.1893	83.71	.5157	.5059	-2.414

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

Sample Name: CCB Acquired: 8/10/2012 16:42:23 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	.6435	.6492	.0129	.3854	2.499
Stddev	2.477	1.183	.4538	.1304	1.103	1.820
%RSD	201.2	183.8	69.90	1012.	286.1	72.82
#1	-1.663	.0709	1.170	.1040	1.213	4.446
#2	1.433	2.003	.3357	.0711	-.8665	2.212
#3	-3.465	-.1438	.4424	-.1365	.8102	.8403

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

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	.0855	.6098	1.416	18.21
Stddev	1.193	.5261	.753	11.58
%RSD	1396.	86.27	53.17	63.58
#1	-1.166	1.181	.5470	10.31
#2	1.210	.5028	1.836	12.81
#3	.2123	.1455	1.866	31.50

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	2366.6	26876.	2488.2
Stddev	3.7	52.	4.5
%RSD	.15746	.19349	.17893
#1	2366.3	26931.	2484.8
#2	2370.4	26828.	2493.3
#3	2363.0	26870.	2486.7

Sample Name: TI-5PPM Acquired: 8/10/2012 16:46:11 Type: Unk
Method: SW8460080712(v2) 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	10.09	.3716	-.3434	-.0503	-.2918	24.08
Stddev	9.82	1.922	.5447	.1868	.1872	16.24
%RSD	97.31	517.2	158.6	371.3	64.16	67.44
#1	2.456	-.0758	-.4149	-.0712	-.4761	12.01
#2	21.16	2.478	-.8488	-.2258	-.2975	17.69
#3	6.647	-1.287	.2335	.1461	-.1018	42.55

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	.3763	-.2411	-.5710	-7.568	-3.769	56.98
Stddev	.0699	.1574	.8933	5.718	16.28	82.13
%RSD	18.58	65.28	156.4	75.54	431.9	144.1
#1	.2959	-.2894	.4591	-12.18	-3.962	151.0
#2	.4221	-.3686	-1.040	-1.170	-19.95	20.80
#3	.4111	-.0652	-1.132	-9.360	12.60	-.8474

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	-2.536	-.0439	23.59	.5750	-.0725	-1.056
Stddev	2.738	.0853	15.39	.6623	1.339	2.670
%RSD	108.0	194.2	65.27	115.2	1846.	252.8
#1	.5346	.0468	29.52	1.264	1.244	.3881
#2	-3.417	-.1225	35.13	.5187	-.0296	.5805
#3	-4.725	-.0561	6.108	-.0573	-1.432	-4.137

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

Sample Name: TI-5PPM Acquired: 8/10/2012 16:46:11 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0816	3.811	.5518	-.2339	.3297	-.3166
Stddev	4.474	.339	.2085	.0621	.4096	.1880
%RSD	5483.	8.881	37.79	26.55	124.2	59.39
#1	-1.706	3.823	.5658	-.3055	.1909	-.1781
#2	-4.261	4.144	.7531	-.1959	.0075	-.2410
#3	4.677	3.467	.3367	-.2002	.7906	-.5306

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

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	-6.146	.1928	4877.	-40.66
Stddev	1.850	.0969	21.	19.00
%RSD	30.11	50.28	.4283	46.74
#1	-8.012	.2038	4880.	-35.73
#2	-6.116	.2838	4895.	-61.64
#3	-4.311	.0908	4854.	-24.60

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	2393.5	27123.	2508.0
Stddev	1.1	94.	2.4
%RSD	.04447	.34595	.09648
#1	2393.8	27103.	2505.3
#2	2392.3	27225.	2508.9
#3	2394.4	27040.	2509.8

Sample Name: 460-43026-d-5-a@20 Acquired: 8/10/2012 16:49:56 Type: Unk
Method: SW8460080712(v2) 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	1292.	29.07	-1.784	62.47	.1588	643.9
Stddev	16.	1.83	1.293	.30	.2489	24.8
%RSD	1.262	6.288	72.47	.4861	156.7	3.844

#1	1304.	30.38	-3.237	62.36	.3262	634.2
#2	1274.	26.98	-1.356	62.81	.2774	672.1
#3	1299.	29.85	-.7597	62.23	-.1272	625.5

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	-.6938	10.87	34.63	230.2	141000.	154.1
Stddev	.1441	.14	.45	4.4	395.	79.9
%RSD	20.76	1.265	1.301	1.904	.2801	51.86

#1	-.6291	10.71	34.56	230.8	141000.	191.6
#2	-.5935	10.93	34.22	225.5	141500.	208.4
#3	-.8589	10.96	35.11	234.2	140700.	62.34

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	43.00	246.6	291.3	28.66	276.0	-2.573
Stddev	5.09	.5	10.1	.29	2.3	2.845
%RSD	11.83	.1917	3.469	1.011	.8382	110.6

#1	42.11	246.4	279.9	28.42	274.8	-2.177
#2	48.47	247.1	294.5	28.98	278.7	-5.596
#3	38.41	246.2	299.4	28.59	274.6	.0530

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

Sample Name: 460-43026-d-5-a@20 Acquired: 8/10/2012 16:49:56 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-5.280	-.3380	58.56	233.8	1.698	3.024
Stddev	2.290	2.780	1.04	1.4	.053	.171
%RSD	43.36	822.3	1.773	.5861	3.125	5.651
#1	-4.703	-2.652	57.96	234.6	1.704	2.958
#2	-3.334	-1.108	59.76	234.7	1.748	3.219
#3	-7.803	2.745	57.96	232.3	1.642	2.897

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

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	11.10	52.81	190.7	155.9
Stddev	.61	.23	1.3	40.8
%RSD	5.513	.4423	.7036	26.14
#1	11.06	52.68	189.9	140.1
#2	11.74	53.08	190.0	202.3
#3	10.51	52.68	192.3	125.5

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	2360.9	26793.	2507.4
Stddev	2.4	80.	5.8
%RSD	.10090	.29773	.23066
#1	2363.6	26881.	2513.3
#2	2360.0	26727.	2507.1
#3	2359.1	26770.	2501.7

Sample Name: 460-43026-d-6-a@10 Acquired: 8/10/2012 16:53:36 Type: Unk
Method: SW8460080712(v2) 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	27360.	26.04	-4030	227.9	2.478	150400.
Stddev	304.	1.10	.6045	.3	.046	2153.
%RSD	1.111	4.225	150.0	.1193	1.869	1.431

#1	27710.	27.27	.2911	228.2	2.444	152900.
#2	27200.	25.73	-.6863	227.7	2.459	149500.
#3	27170.	25.14	-.8140	227.9	2.531	148900.

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	-.3386	18.74	51.18	40.52	54940.	6948.
Stddev	.0559	.08	.51	4.34	114.	75.
%RSD	16.52	.4071	.9904	10.70	.2067	1.073

#1	-.2758	18.73	51.76	45.46	55030.	7013.
#2	-.3830	18.67	50.88	38.76	54980.	6867.
#3	-.3570	18.82	50.90	37.34	54810.	6964.

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	21740.	1634.	1184.	41.15	24.82	-1.474
Stddev	57.	4.	2.	.52	2.13	.918
%RSD	.2627	.2302	.2020	1.252	8.585	62.27

#1	21760.	1636.	1186.	40.97	24.93	-2.072
#2	21780.	1636.	1181.	40.74	26.89	-.4173
#3	21680.	1629.	1184.	41.73	22.63	-1.933

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

Sample Name: 460-43026-d-6-a@10 Acquired: 8/10/2012 16:53:36 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	.8595	-1.123	69.20	89.93	39.14	2.223
Stddev	7.940	1.771	.25	.65	.53	.505
%RSD	923.8	157.7	.3580	.7183	1.344	22.70
#1	-7.906	.7584	69.14	90.62	39.73	2.491
#2	7.570	-1.370	69.47	89.83	38.95	1.641
#3	2.914	-2.758	68.98	89.34	38.73	2.537

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

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	903.2	981.2	515.9
Stddev	.771	11.5	11.8	20.9
%RSD	68.03	1.269	1.202	4.049
#1	1.197	916.5	994.6	495.4
#2	.3328	896.9	977.1	537.1
#3	1.871	896.4	972.1	515.1

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	2332.5	26240.	2512.5
Stddev	6.5	125.	23.5
%RSD	.27907	.47674	.93721
#1	2338.1	26189.	2485.8
#2	2334.0	26383.	2530.1
#3	2325.3	26149.	2521.7

Sample Name: 460-43026-e-9-d@10 Acquired: 8/10/2012 16:57:15 Type: Unk
Method: SW8460080712(v2) 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	12900.	9.126	.2089	135.7	.8441	132200.
Stddev	26.	1.313	.9727	.6	.1749	525.
%RSD	.1993	14.39	465.6	.4062	20.72	.3972

#1	12890.	8.140	-.6709	135.8	.9185	131600.
#2	12930.	10.62	.0442	136.1	.6443	132700.
#3	12890.	8.622	1.253	135.0	.9694	132400.

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	-.1170	8.503	28.68	26.17	25030.	1885.
Stddev	.1387	.374	.27	6.31	113.	82.
%RSD	118.6	4.402	.9461	24.13	.4528	4.371

#1	.0417	8.330	28.90	31.81	25100.	1971.
#2	-.1774	8.247	28.38	27.36	25100.	1878.
#3	-.2152	8.933	28.76	19.35	24900.	1806.

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	36250.	605.1	612.9	24.44	347.4	-1.648
Stddev	83.	.9	31.8	.03	2.3	1.478
%RSD	.2294	.1407	5.185	.1377	.6704	89.66

#1	36320.	604.4	577.6	24.47	348.4	-3.047
#2	36260.	604.9	621.9	24.43	349.0	-1.796
#3	36160.	606.0	639.2	24.41	344.7	-.1021

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

Sample Name: 460-43026-e-9-d@10 Acquired: 8/10/2012 16:57:15 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0216	-.2547	56.20	116.4	20.32	.3563
Stddev	1.978	3.280	.60	.4	.53	.3379
%RSD	9151.	1288.	1.062	.3009	2.606	94.85
#1	1.844	3.141	56.42	116.4	20.40	-.0225
#2	.3022	-.4991	56.66	116.8	19.76	.4645
#3	-2.082	-3.406	55.53	116.1	20.81	.6268

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

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	9.306	428.3	435.6	442.9
Stddev	1.220	.8	2.4	13.1
%RSD	13.11	.1757	.5535	2.958
#1	10.32	427.6	433.6	444.1
#2	9.650	429.1	435.0	429.2
#3	7.951	428.1	438.3	455.3

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	2333.8	26347.	2533.0
Stddev	5.8	48.	13.5
%RSD	.25016	.18400	.53190
#1	2339.8	26310.	2548.1
#2	2333.3	26330.	2522.2
#3	2328.2	26402.	2528.6

Sample Name: 460-43026-e-2-f@50 Acquired: 8/10/2012 17:00:53 Type: Unk
Method: SW8460080712(v2) 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	2632.	16.83	-2.095	26.60	.0839	1703.
Stddev	48.	3.46	.648	.11	.2039	46.
%RSD	1.842	20.55	30.92	.4171	243.1	2.693
#1	2592.	15.47	-1.560	26.48	.2341	1736.
#2	2686.	20.77	-1.910	26.66	-.1483	1723.
#3	2618.	14.26	-2.816	26.68	.1659	1651.

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	-.1787	4.865	6.949	16.35	30890.	217.8
Stddev	.0855	.109	.146	1.96	60.	63.9
%RSD	47.86	2.231	2.096	11.99	.1956	29.35
#1	-.2413	4.741	6.896	18.47	30940.	144.6
#2	-.2135	4.941	6.838	14.60	30910.	262.4
#3	-.0812	4.912	7.114	15.99	30820.	246.3

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	858.9	148.1	92.80	8.699	105.0	.3708
Stddev	6.4	.3	20.84	.247	1.1	1.602
%RSD	.7498	.2123	22.46	2.842	1.070	432.0
#1	865.8	148.5	100.3	8.668	103.7	2.199
#2	853.1	147.9	69.25	8.469	105.8	-.3018
#3	857.9	147.9	108.9	8.961	105.5	-.7851

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

Sample Name: 460-43026-e-2-f@50 Acquired: 8/10/2012 17:00:53 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.978	-7.932	8.111	50.75	1.311	3.134
Stddev	4.510	.484	.210	.33	.412	.345
%RSD	228.0	6.100	2.584	.6578	31.43	11.00
#1	-2.263	-7.962	8.289	50.38	1.760	2.796
#2	6.715	-7.433	7.880	50.86	1.222	3.485
#3	1.481	-8.399	8.165	51.01	.9506	3.121

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

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	2.531	18.10	53.23	86.90
Stddev	.433	.40	1.02	8.51
%RSD	17.12	2.210	1.920	9.791
#1	2.054	18.48	53.24	77.95
#2	2.641	18.13	52.21	94.89
#3	2.899	17.68	54.26	87.85

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	2387.6	27036.	2512.4
Stddev	9.8	66.	8.5
%RSD	.41204	.24424	.33689
#1	2398.8	26975.	2502.9
#2	2380.2	27106.	2515.3
#3	2383.8	27027.	2519.0

Sample Name: 460-43026-e-3-d@50 Acquired: 8/10/2012 17:04:35 Type: Unk
Method: SW8460080712(v2) 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	3757.	5.941	.1523	29.77	.1115	3399.
Stddev	34.	1.202	.5213	.30	.1451	2.
%RSD	.8938	20.24	342.3	1.013	130.1	.0727

#1	3794.	4.631	-.2259	29.84	.0626	3401.
#2	3749.	6.197	-.0641	30.04	.2748	3400.
#3	3728.	6.995	.7469	29.44	-.0028	3396.

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	.2069	2.189	4.141	11.07	6052.	532.3
Stddev	.1487	.217	.336	5.34	17.	29.3
%RSD	71.84	9.910	8.110	48.25	.2868	5.500

#1	.1182	2.233	4.229	17.21	6047.	564.6
#2	.1240	2.380	3.770	7.541	6071.	524.9
#3	.3786	1.953	4.424	8.455	6038.	507.5

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	843.2	178.6	345.3	6.178	396.8	-.4444
Stddev	8.3	.4	18.0	.847	1.8	2.885
%RSD	.9893	.2353	5.209	13.71	.4473	649.3

#1	839.9	178.6	339.4	5.333	398.8	-3.766
#2	852.6	178.9	330.9	6.173	395.3	1.437
#3	836.9	178.1	365.5	7.027	396.3	.9963

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

Sample Name: 460-43026-e-3-d@50 Acquired: 8/10/2012 17:04:35 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0062	-3.460	5.853	59.00	1.411	1.177
Stddev	1.910	.911	.309	.28	.199	.340
%RSD	30720.	26.34	5.281	.4722	14.13	28.93
#1	1.556	-3.710	6.187	58.71	1.282	1.235
#2	.5907	-4.221	5.578	59.00	1.310	1.484
#3	-2.128	-2.450	5.793	59.27	1.640	.8110

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

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	4.988	24.81	313.9	65.19
Stddev	.325	.20	2.8	24.18
%RSD	6.505	.7871	.8895	37.09
#1	5.356	24.78	317.0	92.20
#2	4.744	25.02	311.6	57.81
#3	4.863	24.64	313.1	45.56

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	2398.1	27160.	2520.1
Stddev	5.0	52.	1.5
%RSD	.20642	.19076	.05814
#1	2392.5	27207.	2518.5
#2	2401.8	27169.	2520.5
#3	2400.1	27105.	2521.3

Sample Name: 460-43026-e-4-d@50 Acquired: 8/10/2012 17:08:15 Type: Unk
Method: SW8460080712(v2) 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	3223.	5.219	-4.726	29.37	.1455	1673.
Stddev	22.	3.233	.9599	.15	.0890	20.
%RSD	.6975	61.93	203.1	.5185	61.20	1.196
#1	3237.	6.934	-4.341	29.39	.2429	1692.
#2	3234.	7.233	-1.451	29.21	.0684	1652.
#3	3197.	1.491	.4674	29.51	.1251	1673.

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	.2140	2.000	5.344	12.10	6469.	411.3
Stddev	.1249	.256	.285	1.88	27.	86.5
%RSD	58.39	12.81	5.332	15.51	.4150	21.03
#1	.2526	2.053	5.109	9.968	6489.	509.6
#2	.3150	2.225	5.661	13.51	6479.	377.8
#3	.0743	1.721	5.261	12.81	6439.	346.6

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	552.1	156.2	258.1	6.314	488.6	-4.999
Stddev	4.2	.6	12.2	.312	1.2	2.093
%RSD	.7580	.3981	4.717	4.936	.2477	418.6
#1	547.2	156.1	272.0	6.393	489.0	1.300
#2	554.5	156.8	253.0	6.578	489.5	-2.796
#3	554.5	155.6	249.3	5.970	487.2	-.0040

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

Sample Name: 460-43026-e-4-d@50 Acquired: 8/10/2012 17:08:15 Type: Unk
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-1.914	-2.359	5.732	74.95	1.634	1.723
Stddev	6.857	.635	.516	.10	.561	.271
%RSD	358.3	26.93	9.000	.1292	34.32	15.73
#1	-9.717	-2.627	5.857	74.86	1.389	1.647
#2	3.147	-1.634	5.166	75.05	2.276	1.499
#3	.8292	-2.818	6.174	74.93	1.238	2.025

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

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	5.396	17.07	431.4	87.70
Stddev	.304	.15	3.6	22.34
%RSD	5.637	.8556	.8365	25.48
#1	5.465	17.10	427.6	113.2
#2	5.063	16.91	434.8	71.34
#3	5.659	17.20	431.8	78.61

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	2408.0	27241.	2538.5
Stddev	5.6	79.	3.4
%RSD	.23409	.29155	.13210
#1	2409.2	27287.	2535.0
#2	2413.0	27149.	2541.6
#3	2401.9	27286.	2539.0

Sample Name: CCV Acquired: 8/10/2012 17:11:58 Type: QC
Method: SW8460080712(v2) 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	125100.	2523.	1255.	10090.	986.7	125200.
Stddev	214.	1.	4.	11.	1.7	157.
%RSD	.1711	.0483	.3235	.1064	.1716	.1249

#1	124900.	2522.	1254.	10100.	988.6	125400.
#2	125300.	2522.	1260.	10100.	985.4	125100.
#3	125100.	2524.	1252.	10080.	986.1	125300.

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	1270.	2553.	5100.	12340.	102000.	50050.
Stddev	2.	4.	10.	21.	123.	36.
%RSD	.1478	.1612	.1880	.1669	.1209	.0727

#1	1272.	2557.	5092.	12340.	101800.	50090.
#2	1270.	2555.	5110.	12320.	102100.	50030.
#3	1268.	2549.	5098.	12360.	102000.	50030.

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	128200.	5139.	125300.	2566.	7689.	1020.
Stddev	59.	10.	173.	2.	8.	5.
%RSD	.0460	.2015	.1381	.0858	.1050	.4890

#1	128100.	5128.	125400.	2569.	7696.	1016.
#2	128300.	5145.	125300.	2566.	7690.	1019.
#3	128200.	5146.	125100.	2565.	7680.	1026.

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

Sample Name: CCV Acquired: 8/10/2012 17:11:58 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	2530.	2551.	2491.	2542.	1000.	2524.
Stddev	2.	7.	7.	2.	1.	3.
%RSD	.0769	.2661	.2623	.0704	.0564	.1051

#1	2532.	2555.	2485.	2543.	999.6	2523.
#2	2531.	2555.	2498.	2542.	999.9	2527.
#3	2528.	2543.	2492.	2540.	1001.	2522.

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

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	1019.	4994.	10020.	9813.
Stddev	1.	3.	25.	29.
%RSD	.0917	.0632	.2470	.2911

#1	1020.	4998.	10000.	9827.
#2	1018.	4992.	10050.	9780.
#3	1020.	4993.	10010.	9832.

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	2203.1	24991.	2463.7
Stddev	6.0	57.	1.2
%RSD	.27428	.22889	.04760

#1	2196.1	25030.	2464.6
#2	2206.6	24925.	2464.1
#3	2206.5	25017.	2462.3

Sample Name: CCB Acquired: 8/10/2012 17:15:19 Type: QC
Method: SW8460080712(v2) 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	8.344	.4083	-.0812	.4869	-.1192	38.82
Stddev	8.763	2.277	.5070	.1825	.0966	10.56
%RSD	105.0	557.6	624.5	37.48	81.01	27.21

#1	6.623	1.443	-.4339	.6974	-.0196	48.60
#2	17.84	1.984	.4998	.3896	-.2124	40.23
#3	.5697	-2.202	-.3095	.3738	-.1257	27.62

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	.0090	.4195	.7162	-6.487	-1.611	83.23
Stddev	.0220	.1148	.2743	1.847	5.817	86.05
%RSD	242.9	27.38	38.30	28.47	361.0	103.4

#1	.0335	.2972	.9077	-4.878	-3.638	172.2
#2	-.0089	.4361	.4020	-8.504	4.947	.4681
#3	.0025	.5251	.8388	-6.079	-6.144	76.98

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	6.185	.3024	51.16	.9217	1.732	-.2776
Stddev	5.873	.2514	27.74	.4848	.904	2.833
%RSD	94.96	83.11	54.21	52.60	52.20	1020.

#1	11.65	.5882	82.33	1.437	2.775	-.9664
#2	6.930	.2038	29.22	.8527	1.181	-2.703
#3	-.0251	.1153	41.93	.4751	1.239	2.836

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

Sample Name: CCB Acquired: 8/10/2012 17:15:19 Type: QC
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	-3.589	1.203	.0163	.1196	1.150	2.636
Stddev	2.257	1.790	.5636	.0991	1.150	1.927
%RSD	62.87	148.7	3455.	82.84	99.96	73.11

#1	-4.483	.0745	.2136	.1030	2.467	4.788
#2	-1.023	3.267	.4548	.2260	.3431	2.052
#3	-5.263	.2688	-.6194	.0299	.6412	1.068

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

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	.3718	.3246	.0277	6.399
Stddev	1.334	.3286	1.803	25.85
%RSD	358.7	101.2	6508.	404.0

#1	1.785	.6888	1.163	36.12
#2	.1953	.2347	-2.052	-6.055
#3	-.8649	.0503	.9716	-10.87

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	2364.7	26916.	2500.7
Stddev	6.2	81.	7.2
%RSD	.26016	.30050	.28701

#1	2368.8	26987.	2505.7
#2	2357.6	26828.	2503.9
#3	2367.7	26931.	2492.4

Protocol: SW846A

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 109 18:52:06 09 Aug 12 HG

Hg .000 ppb 6

*** Standard: 2 Rep: 1 Seq: 110 18:53:57 09 Aug 12 HG

Hg .100 ppb 381

*** Standard: 3 Rep: 1 Seq: 111 18:55:47 09 Aug 12 HG

Hg 1.00 ppb 3452

*** Standard: 4 Rep: 1 Seq: 112 18:58:46 09 Aug 12 HG

Hg	2.00	ppb	6836

*** Standard: 5 Rep: 1 Seq: 113 19:01:02 09 Aug 12 HG

Hg 5.00 ppb 17109

*** Standard: 6 Rep: 1 Seq: 114 19:02:51 09 Aug 12 HG

Hg	10.0	ppb	34077

*** Check Standard: 3 Ck3AICV Seq: 115 19:04:45 09 Aug 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD

Hg	101.	5.05	5.00	ppb	.000

*** Check Standard: 1 Ck1ICB/CCB Seq: 116 19:06:34 09 Aug 12 HG

Line	Flag	Found Range(+/-)	Units	SD/RSD

Hg	-.037	.200	ppb	.000

*** Sample ID: Seq: 117 19:08:24 09 Aug 12 HG

mb 460-123339/10-a

Hg -.004 ppb .000 -.004

*** Sample ID: lcssrm 460 Seq: 118 19:10:12 09 Aug 12 HG

-123339/11-a@40

Hg	3.84	ppb	.000	3.84

$$=$$

*** Sample ID: Seq: 119 19:12:03 09 Aug 12 HG

460-42971-e-3-l

Hg	2.29	ppb	.000	2.29

$$=$$

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 120 19:13:51 09 Aug 12 HG
 460-42971-a-3-a du
Hg 5.91 ppb .000 5.91
 =

*** Sample ID: Seq: 121 19:15:50 09 Aug 12 HG
 460-42971-d-3-b ms
Hg 3.36 ppb .000 3.36
 =

*** Sample ID: Seq: 122 19:17:48 09 Aug 12 HG
 460-42971-a-3-a du
Hg 5.86 ppb .000 5.86
 =

*** Sample ID: Seq: 123 19:19:41 09 Aug 12 HG
 460-42968-a-18-h
Hg .226 ppb .000 .226
 =

*** Sample ID: Seq: 124 19:21:33 09 Aug 12 HG
 460-42968-c-21-a
Hg .332 ppb .000 .332
 =

*** Sample ID: Seq: 125 19:23:22 09 Aug 12 HG
 460-42968-g-24-e
Hg 1.62 ppb .000 1.62
 =

*** Sample ID: Seq: 126 19:26:21 09 Aug 12 HG
 460-42971-e-1-d
Hg 4.99 ppb .000 4.99
 =

*** Check Standard: 2 Ck2ACCV Seq: 127 19:28:40 09 Aug 12 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 103. 5.15 5.00 ppb .000
 =

*** Check Standard: 1 Ck1ICB/CCB Seq: 128 19:31:19 09 Aug 12 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg -.034 .200 ppb .000
 =

*** Sample ID: Seq: 129 19:33:18 09 Aug 12 HG
 460-42971-e-2-d
Hg 2.71 ppb .000 2.71
 =

*** Sample ID: Seq: 130 19:35:18 09 Aug 12 HG
 460-42971-e-6-d
Hg 89.8 ppb .000 89.8
 =

*** Sample ID: Seq: 131 19:37:20 09 Aug 12 HG
 460-42971-e-7-d
Hg 146. ppb .000 146.
 =

Protocol: SW846A

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 132 19:40:10 09 Aug 12 HG								
				460-42971-e-8-d				
Hg	12.5	ppb	.000	12.5				
=								
*** Sample ID: Seq: 133 19:42:20 09 Aug 12 HG								
				460-42971-e-9-g				
Hg	.212	ppb	.000	.212				
=								
*** Sample ID: Seq: 134 19:44:10 09 Aug 12 HG								
				460-42971-e-10-e				
Hg	6.76	ppb	.000	6.76				
=								
*** Sample ID: Seq: 135 19:46:04 09 Aug 12 HG								
				460-42971-e-11-e				
Hg	1.04	ppb	.000	1.04				
=								
*** Sample ID: Seq: 136 19:48:03 09 Aug 12 HG								
				460-42971-e-12-e				
Hg	.309	ppb	.000	.309				
=								
*** Sample ID: Seq: 137 19:49:58 09 Aug 12 HG								
				460-42971-e-13-e				
Hg	1.63	ppb	.000	1.63				
=								
*** Sample ID: Seq: 138 19:51:49 09 Aug 12 HG								
				460-42971-e-14-e				
Hg	.098	ppb	.000	.098				
=								
*** Check Standard: 2 Ck2ACCV Seq: 139 19:53:57 09 Aug 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg	101.	5.04	5.00	ppb	.000			
=								
*** Check Standard: 1 Ck1ICB/CCB Seq: 140 19:56:16 09 Aug 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg	-.011	.200	ppb	.000				
=								
*** Sample ID: Seq: 141 19:58:07 09 Aug 12 HG								
				460-42974-f-1-h				
Hg	.074	ppb	.000	.074				
=								
*** Sample ID: Seq: 142 20:00:10 09 Aug 12 HG								
				460-42974-g-2-f				
Hg	.117	ppb	.000	.117				
=								
*** Sample ID: Seq: 143 20:03:41 09 Aug 12 HG								
				460-43002-a-1-c				
Hg	.173	ppb	.000	.173				
=								

Protocol: SW846A

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 144 20:05:32 09 Aug 12 HG

460-43002-b-2-b

Hg	.085	ppb	.000	.085				

=

*** Sample ID: Seq: 145 20:07:41 09 Aug 12 HG

460-43002-b-3-d

Hg	.459	ppb	.000	.459				

=

*** Sample ID: Seq: 146 20:09:44 09 Aug 12 HG

460-42971-e-6-d@10

Hg	9.32	ppb	.000	9.32				

=

*** Sample ID: Seq: 147 20:11:48 09 Aug 12 HG

460-42971-e-7-d@30

Hg	4.84	ppb	.000	4.84				

=

*** Sample ID: Seq: 148 20:13:46 09 Aug 12 HG

460-42971-e-8-d@2

Hg	6.10	ppb	.000	6.10				

=

*** Sample ID: Seq: 149 20:15:46 09 Aug 12 HG

460-42971-e-9-g

Hg	.282	ppb	.000	.282				

=

*** Sample ID: Seq: 150 20:17:59 09 Aug 12 HG

SD 460-42971-e-3-l@5

Hg	.615	ppb	.000	.615				

=

*** Check Standard: 2 Ck2ACCV Seq: 151 20:20:00 09 Aug 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD

Hg		101.	5.05	5.00	ppb	.000

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 152 20:22:08 09 Aug 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD

Hg		-.007	.200	ppb	.000

=

*** Sample ID: Seq: 153 20:23:57 09 Aug 12 HG

mb 460-123348/10-a

Hg	.002	ppb	.000	.002				

=

*** Sample ID: lcssrm 460 Seq: 154 20:26:00 09 Aug 12 HG

-123348/11-a@40

Hg	3.76	ppb	.000	3.76				

=

Protocol: SW846A

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 167 20:54:23 09 Aug 12 HG								
				460-43211-a-3-e				
Hg	.020	ppb	.000	.020				
=								
*** Sample ID: Seq: 168 20:56:33 09 Aug 12 HG								
				460-43211-a-4-f				
Hg	.032	ppb	.000	.032				
=								
*** Sample ID: Seq: 169 20:58:33 09 Aug 12 HG								
				460-43232-a-1-j				
Hg	.011	ppb	.000	.011				
=								
*** Sample ID: Seq: 170 21:00:23 09 Aug 12 HG								
				460-43267-a-1-a				
Hg	.512	ppb	.000	.512				
=								
*** Sample ID: Seq: 171 21:02:16 09 Aug 12 HG								
				460-43267-a-2-a				
Hg	.265	ppb	.000	.265				
=								
*** Sample ID: Seq: 172 21:04:16 09 Aug 12 HG								
				460-43267-a-3-a				
Hg	.239	ppb	.000	.239				
=								
*** Sample ID: Seq: 173 21:06:10 09 Aug 12 HG								
				460-43017-ae-1-d				
Hg	.041	ppb	.000	.041				
=								
*** Sample ID: Seq: 174 21:08:01 09 Aug 12 HG								
				460-43017-e-2-d				
Hg	.106	ppb	.000	.106				
=								
*** Check Standard: 2 Ck2ACCV Seq: 175 21:09:51 09 Aug 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg	101.	5.03	5.00	ppb	.000			
=								
*** Check Standard: 1 Ck1ICB/CCB Seq: 176 21:11:52 09 Aug 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg	-.016	.200	ppb	.000				
=								
*** Sample ID: Seq: 177 21:14:15 09 Aug 12 HG								
				460-43017-e-3-d				
Hg	.191	ppb	.000	.191				
=								
*** Sample ID: Seq: 178 21:16:11 09 Aug 12 HG								
				460-43017-e-4-d				
Hg	.147	ppb	.000	.147				
=								

Protocol: SW846A

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

=====

*** Sample ID: Seq: 179 21:18:04 09 Aug 12 HG
460-43017-e-5-d
Hg .147 ppb .000 .147
=

*** Sample ID: Seq: 180 21:20:14 09 Aug 12 HG
460-43017-e-6-d
Hg .126 ppb .000 .126
=

*** Sample ID: Seq: 181 21:22:19 09 Aug 12 HG
SD 460-43017-e-7-j@5
Hg -.079 ppb .000 -.079
=

*** Check Standard: 2 Ck2ACCV Seq: 182 21:24:39 09 Aug 12 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 102. 5.08 5.00 ppb .000
=

*** Check Standard: 1 Ck1ICB/CCB Seq: 183 21:26:31 09 Aug 12 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg -.032 .200 ppb .000
=

*** Sample ID: Seq: 184 21:28:29 09 Aug 12 HG
mb 460-123354/10-a
Hg .059 ppb .000 .059
=

=====

*** Sample ID: lcssrm 460 Seq: 185 21:31:08 09 Aug 12 HG
-123354/11-a@40
Hg 3.76 ppb .000 3.76
=

=====

*** Sample ID: Seq: 186 21:33:21 09 Aug 12 HG
460-43017-e-19-d
Hg .142 ppb .000 .142
=

*** Sample ID: Seq: 187 21:35:44 09 Aug 12 HG
460-43017-e-19-e du
Hg .118 ppb .000 .118
=

*** Sample ID: Seq: 188 21:37:48 09 Aug 12 HG
460-43017-e-19-f ms
Hg .889 ppb .000 .889
=

*** Sample ID: Seq: 189 21:39:37 09 Aug 12 HG
460-43017-e-8-d
Hg .241 ppb .000 .241
=

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 190 21:42:09 09 Aug 12 HG

460-43017-e-19-f ms

Hg .972 ppb .000 .972

=

*** Sample ID: Seq: 191 21:44:28 09 Aug 12 HG

460-43017-e-9-d

Hg .121 ppb .000 .121

=

*** Sample ID: Seq: 192 21:46:42 09 Aug 12 HG

460-43017-e-10-d

Hg .314 ppb .000 .314

=

*** Sample ID: Seq: 193 21:48:32 09 Aug 12 HG

460-43017-e-11-d

Hg .091 ppb .000 .091

=

*** Check Standard: 2 Ck2ACCV Seq: 194 21:50:35 09 Aug 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD

Hg 101. 5.06 5.00 ppb .000

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 195 21:52:24 09 Aug 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD

Hg -.033 .200 ppb .000

=

*** Sample ID: Seq: 196 21:54:12 09 Aug 12 HG

460-43017-e-12-d

Hg .176 ppb .000 .176

=

*** Sample ID: Seq: 197 21:56:07 09 Aug 12 HG

460-43017-e-13-d

Hg .142 ppb .000 .142

=

*** Sample ID: Seq: 198 21:59:47 09 Aug 12 HG

460-43017-e-14-d

Hg .102 ppb .000 .102

=

*** Sample ID: Seq: 199 22:02:19 09 Aug 12 HG

460-43017-e-15-d

Hg .180 ppb .000 .180

=

*** Sample ID: Seq: 200 22:04:17 09 Aug 12 HG

460-43017-e-16-d

Hg .052 ppb .000 .052

=

*** Sample ID: Seq: 201 22:06:21 09 Aug 12 HG

460-43017-e-17-d

Hg .123 ppb .000 .123

=

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 202 22:08:11 09 Aug 12 HG

460-43017-e-18-d

Hg .072 ppb .000 .072

=

*** Sample ID: Seq: 203 22:10:01 09 Aug 12 HG

460-43017-e-20-d

Hg .172 ppb .000 .172

=

*** Sample ID: Seq: 204 22:11:50 09 Aug 12 HG

460-43017-e-21-h

Hg -.007 ppb .000 -.007

=

*** Sample ID: Seq: 205 22:13:44 09 Aug 12 HG

460-43017-e-22-d

Hg .087 ppb .000 .087

=

*** Check Standard: 2 Ck2ACCV Seq: 206 22:15:38 09 Aug 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD

Hg 101. 5.07 5.00 ppb .000

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 207 22:17:50 09 Aug 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD

Hg -.015 .200 ppb .000

=

*** Sample ID: Seq: 208 22:19:39 09 Aug 12 HG

460-43017-e-23-d

Hg .098 ppb .000 .098

=

*** Sample ID: Seq: 209 22:21:53 09 Aug 12 HG

460-42968-c-15-a

Hg 1.30 ppb .000 1.30

=

*** Sample ID: Seq: 210 22:24:03 09 Aug 12 HG

SD 460-43017-e-19-d@

Hg .042 ppb .000 .042

=

*** Check Standard: 2 Ck2ACCV Seq: 211 22:25:58 09 Aug 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD

Hg 101. 5.07 5.00 ppb .000

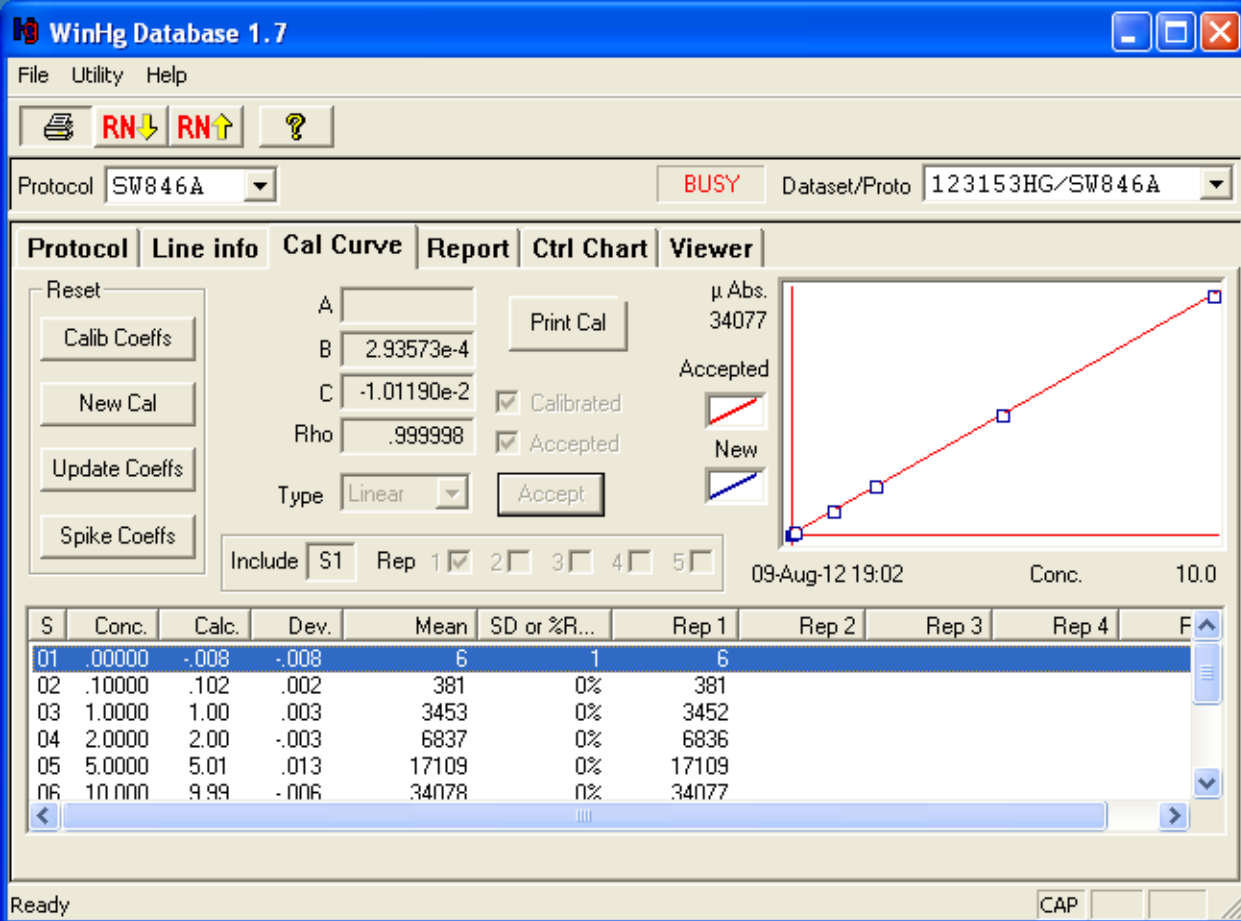
=

*** Check Standard: 1 Ck1ICB/CCB Seq: 212 22:28:18 09 Aug 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD

Hg -.001 .200 ppb .000

=



POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 109 18:52:06 09 Aug 12 HG

Hg .000 ppb 6

=

*** Standard: 2 Rep: 1 Seq: 110 18:53:57 09 Aug 12 HG

Hg .100 ppb 381

=

*** Standard: 3 Rep: 1 Seq: 111 18:55:47 09 Aug 12 HG

Hg 1.00 ppb 3452

=

*** Standard: 4 Rep: 1 Seq: 112 18:58:46 09 Aug 12 HG

Hg 2.00 ppb 6836

=

*** Standard: 5 Rep: 1 Seq: 113 19:01:02 09 Aug 12 HG

Hg 5.00 ppb 17109

=

*** Standard: 6 Rep: 1 Seq: 114 19:02:51 09 Aug 12 HG

Hg 10.0 ppb 34077

=

*** Check Standard: 3 Ck3AICV Seq: 115 19:04:45 09 Aug 12 HG

Line Flag Intensities

Hg 17220

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 116 19:06:34 09 Aug 12 HG

Line Flag Intensities

Hg -91

=

*** Sample ID: Seq: 117 19:08:24 09 Aug 12 HG

mb 460-123339/10-a

Hg -.004 ppb 22

=

=====

*** Sample ID: lcssrm 460 Seq: 118 19:10:12 09 Aug 12 HG

-123339/11-a@40

Hg 3.84 ppb 13117

=

=====

*** Sample ID: Seq: 119 19:12:03 09 Aug 12 HG

460-42971-e-3-l

Hg 2.29 ppb 7822

=

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 120 19:13:51 09 Aug 12 HG
460-42971-a-3-a du
Hg 5.91 ppb 20149
=

*** Sample ID: Seq: 121 19:15:50 09 Aug 12 HG
460-42971-d-3-b ms
Hg 3.36 ppb 11471
=

*** Sample ID: Seq: 122 19:17:48 09 Aug 12 HG
460-42971-a-3-a du
Hg 5.86 ppb 19997
=

*** Sample ID: Seq: 123 19:19:41 09 Aug 12 HG
460-42968-a-18-h
Hg .226 ppb 803
=

*** Sample ID: Seq: 124 19:21:33 09 Aug 12 HG
460-42968-c-21-a
Hg .332 ppb 1167
=

*** Sample ID: Seq: 125 19:23:22 09 Aug 12 HG
460-42968-g-24-e
Hg 1.62 ppb 5543
=

*** Sample ID: Seq: 126 19:26:21 09 Aug 12 HG
460-42971-e-1-d
Hg 4.99 ppb 17017
=

*** Check Standard: 2 Ck2ACCV Seq: 127 19:28:40 09 Aug 12 HG
Line Flag Intensities
Hg 17584
=

*** Check Standard: 1 Ck1ICB/CCB Seq: 128 19:31:19 09 Aug 12 HG
Line Flag Intensities
Hg -80
=

*** Sample ID: Seq: 129 19:33:18 09 Aug 12 HG
460-42971-e-2-d
Hg 2.71 ppb 9251
=

*** Sample ID: Seq: 130 19:35:18 09 Aug 12 HG
460-42971-e-6-d
Hg 89.8 ppb 306040
=

*** Sample ID: Seq: 131 19:37:20 09 Aug 12 HG
460-42971-e-7-d
Hg 146. ppb 496598
=

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 132 19:40:10 09 Aug 12 HG
460-42971-e-8-d
Hg 12.5 ppb 42693

=

*** Sample ID: Seq: 133 19:42:20 09 Aug 12 HG
460-42971-e-9-g
Hg .212 ppb 758

=

*** Sample ID: Seq: 134 19:44:10 09 Aug 12 HG
460-42971-e-10-e
Hg 6.76 ppb 23045

=

*** Sample ID: Seq: 135 19:46:04 09 Aug 12 HG
460-42971-e-11-e
Hg 1.04 ppb 3588

=

*** Sample ID: Seq: 136 19:48:03 09 Aug 12 HG
460-42971-e-12-e
Hg .309 ppb 1088

=

*** Sample ID: Seq: 137 19:49:58 09 Aug 12 HG
460-42971-e-13-e
Hg 1.63 ppb 5594

=

*** Sample ID: Seq: 138 19:51:49 09 Aug 12 HG
460-42971-e-14-e
Hg .098 ppb 368

=

*** Check Standard: 2 Ck2ACCV Seq: 139 19:53:57 09 Aug 12 HG
Line Flag Intensities
Hg 17196

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 140 19:56:16 09 Aug 12 HG
Line Flag Intensities
Hg -2

=

*** Sample ID: Seq: 141 19:58:07 09 Aug 12 HG
460-42974-f-1-h
Hg .074 ppb 286

=

*** Sample ID: Seq: 142 20:00:10 09 Aug 12 HG
460-42974-g-2-f
Hg .117 ppb 432

=

*** Sample ID: Seq: 143 20:03:41 09 Aug 12 HG
460-43002-a-1-c
Hg .173 ppb 625

=

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 144 20:05:32 09 Aug 12 HG
460-43002-b-2-b
Hg .085 ppb 323

=

*** Sample ID: Seq: 145 20:07:41 09 Aug 12 HG
460-43002-b-3-d
Hg .459 ppb 1597

=

*** Sample ID: Seq: 146 20:09:44 09 Aug 12 HG
460-42971-e-6-d@10
Hg 9.32 ppb 31790

=

*** Sample ID: Seq: 147 20:11:48 09 Aug 12 HG
460-42971-e-7-d@30
Hg 4.84 ppb 16528

=

*** Sample ID: Seq: 148 20:13:46 09 Aug 12 HG
460-42971-e-8-d@2
Hg 6.10 ppb 20828

=

*** Sample ID: Seq: 149 20:15:46 09 Aug 12 HG
460-42971-e-9-g
Hg .282 ppb 996

=

*** Sample ID: Seq: 150 20:17:59 09 Aug 12 HG
SD 460-42971-e-3-l@5
Hg .615 ppb 2129

=

*** Check Standard: 2 Ck2ACCV Seq: 151 20:20:00 09 Aug 12 HG
Line Flag Intensities
Hg 17239

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 152 20:22:08 09 Aug 12 HG
Line Flag Intensities
Hg 10

=

*** Sample ID: Seq: 153 20:23:57 09 Aug 12 HG
mb 460-123348/10-a
Hg .002 ppb 42

=

=====

*** Sample ID: lcssrm 460 Seq: 154 20:26:00 09 Aug 12 HG
-123348/11-a@40
Hg 3.76 ppb 12855

=

=====

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 155 20:28:00 09 Aug 12 HG								
				460-43017-e-7-j				
Hg	.166	ppb	600					
=								
*** Sample ID: Seq: 156 20:29:51 09 Aug 12 HG								
				460-43017-a-7-a du				
Hg	.179	ppb	645					
=								
*** Sample ID: Seq: 157 20:31:40 09 Aug 12 HG								
				460-43017-e-7-k ms				
Hg	1.08	ppb	3730					
=								
*** Sample ID: Seq: 158 20:34:15 09 Aug 12 HG								
				460-43002-b-4-a				
Hg	.022	ppb	108					
=								
*** Sample ID: Seq: 159 20:37:01 09 Aug 12 HG								
				460-43002-b-5-a				
Hg	.040	ppb	171					
=								
*** Sample ID: Seq: 160 20:38:51 09 Aug 12 HG								
				460-43002-a-6-c				
Hg	.237	ppb	843					
=								
*** Sample ID: Seq: 161 20:41:00 09 Aug 12 HG								
				460-43010-f-1-a				
Hg	.684	ppb	2363					
=								
*** Sample ID: Seq: 162 20:43:32 09 Aug 12 HG								
				460-43010-e-2-a				
Hg	.362	ppb	1268					
=								
*** Check Standard: 2 Ck2ACCV Seq: 163 20:45:47 09 Aug 12 HG								
Line	Flag	Intensities						
Hg		17043						
=								
*** Check Standard: 1 Ck1ICB/CCB Seq: 164 20:47:40 09 Aug 12 HG								
Line	Flag	Intensities						
Hg		-149						
=								
*** Sample ID: Seq: 165 20:50:04 09 Aug 12 HG								
				460-43211-a-1-i				
Hg	.035	ppb	153					
=								
*** Sample ID: Seq: 166 20:51:54 09 Aug 12 HG								
				460-43211-a-2-g				
Hg	.029	ppb	133					
=								

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 167 20:54:23 09 Aug 12 HG								
				460-43211-a-3-e				
Hg	.020	ppb	101					
=								
*** Sample ID: Seq: 168 20:56:33 09 Aug 12 HG								
				460-43211-a-4-f				
Hg	.032	ppb	144					
=								
*** Sample ID: Seq: 169 20:58:33 09 Aug 12 HG								
				460-43232-a-1-j				
Hg	.011	ppb	72					
=								
*** Sample ID: Seq: 170 21:00:23 09 Aug 12 HG								
				460-43267-a-1-a				
Hg	.512	ppb	1779					
=								
*** Sample ID: Seq: 171 21:02:16 09 Aug 12 HG								
				460-43267-a-2-a				
Hg	.265	ppb	937					
=								
*** Sample ID: Seq: 172 21:04:16 09 Aug 12 HG								
				460-43267-a-3-a				
Hg	.239	ppb	847					
=								
*** Sample ID: Seq: 173 21:06:10 09 Aug 12 HG								
				460-43017-ae-1-d				
Hg	.041	ppb	173					
=								
*** Sample ID: Seq: 174 21:08:01 09 Aug 12 HG								
				460-43017-e-2-d				
Hg	.106	ppb	397					
=								
*** Check Standard: 2 Ck2ACCV Seq: 175 21:09:51 09 Aug 12 HG								
Line	Flag	Intensities						
Hg		17160						
=								
*** Check Standard: 1 Ck1ICB/CCB Seq: 176 21:11:52 09 Aug 12 HG								
Line	Flag	Intensities						
Hg		-21						
=								
*** Sample ID: Seq: 177 21:14:15 09 Aug 12 HG								
				460-43017-e-3-d				
Hg	.191	ppb	685					
=								
*** Sample ID: Seq: 178 21:16:11 09 Aug 12 HG								
				460-43017-e-4-d				
Hg	.147	ppb	536					
=								

Protocol: SW846A

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 179 21:18:04 09 Aug 12 HG
460-43017-e-5-d
Hg .147 ppb 535

=

*** Sample ID: Seq: 180 21:20:14 09 Aug 12 HG
460-43017-e-6-d
Hg .126 ppb 464

=

*** Sample ID: Seq: 181 21:22:19 09 Aug 12 HG
SD 460-43017-e-7-j@5
Hg -.079 ppb -236

=

*** Check Standard: 2 Ck2ACCV Seq: 182 21:24:39 09 Aug 12 HG
Line Flag Intensities
Hg 17324

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 183 21:26:31 09 Aug 12 HG
Line Flag Intensities
Hg -73

=

*** Sample ID: Seq: 184 21:28:29 09 Aug 12 HG
mb 460-123354/10-a
Hg .059 ppb 235

=

*** Sample ID: lcssrm 460 Seq: 185 21:31:08 09 Aug 12 HG
-123354/11-a@40
Hg 3.76 ppb 12850

=

*** Sample ID: Seq: 186 21:33:21 09 Aug 12 HG
460-43017-e-19-d
Hg .142 ppb 518

=

*** Sample ID: Seq: 187 21:35:44 09 Aug 12 HG
460-43017-e-19-e du
Hg .118 ppb 436

=

*** Sample ID: Seq: 188 21:37:48 09 Aug 12 HG
460-43017-e-19-f ms
Hg .889 ppb 3062

=

*** Sample ID: Seq: 189 21:39:37 09 Aug 12 HG
460-43017-e-8-d
Hg .241 ppb 856

=

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 190 21:42:09 09 Aug 12 HG
 460-43017-e-19-f ms
 Hg .972 ppb 3345

*** Sample ID: Seq: 191 21:44:28 09 Aug 12 HG
 460-43017-e-9-d
 Hg .121 ppb 448

*** Sample ID: Seq: 192 21:46:42 09 Aug 12 HG
 460-43017-e-10-d
 Hg .314 ppb 1103

*** Sample ID: Seq: 193 21:48:32 09 Aug 12 HG
 460-43017-e-11-d
 Hg .091 ppb 343

*** Check Standard: 2 Ck2ACCV Seq: 194 21:50:35 09 Aug 12 HG
 Line Flag Intensities
 Hg 17258

*** Check Standard: 1 Ck1ICB/CCB Seq: 195 21:52:24 09 Aug 12 HG
 Line Flag Intensities
 Hg -77

*** Sample ID: Seq: 196 21:54:12 09 Aug 12 HG
 460-43017-e-12-d
 Hg .176 ppb 635

*** Sample ID: Seq: 197 21:56:07 09 Aug 12 HG
 460-43017-e-13-d
 Hg .142 ppb 517

*** Sample ID: Seq: 198 21:59:47 09 Aug 12 HG
 460-43017-e-14-d
 Hg .102 ppb 381

*** Sample ID: Seq: 199 22:02:19 09 Aug 12 HG
 460-43017-e-15-d
 Hg .180 ppb 648

*** Sample ID: Seq: 200 22:04:17 09 Aug 12 HG
 460-43017-e-16-d
 Hg .052 ppb 213

*** Sample ID: Seq: 201 22:06:21 09 Aug 12 HG
 460-43017-e-17-d
 Hg .123 ppb 452

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 202 22:08:11 09 Aug 12 HG

460-43017-e-18-d

Hg .072 ppb 280

=

*** Sample ID: Seq: 203 22:10:01 09 Aug 12 HG

460-43017-e-20-d

Hg .172 ppb 620

=

*** Sample ID: Seq: 204 22:11:50 09 Aug 12 HG

460-43017-e-21-h

Hg -.007 ppb 11

=

*** Sample ID: Seq: 205 22:13:44 09 Aug 12 HG

460-43017-e-22-d

Hg .087 ppb 330

=

*** Check Standard: 2 Ck2ACCV Seq: 206 22:15:38 09 Aug 12 HG

Line Flag Intensities

Hg 17292

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 207 22:17:50 09 Aug 12 HG

Line Flag Intensities

Hg -15

=

*** Sample ID: Seq: 208 22:19:39 09 Aug 12 HG

460-43017-e-23-d

Hg .098 ppb 367

=

*** Sample ID: Seq: 209 22:21:53 09 Aug 12 HG

460-42968-c-15-a

Hg 1.30 ppb 4463

=

*** Sample ID: Seq: 210 22:24:03 09 Aug 12 HG

SD 460-43017-e-19-d@

Hg .042 ppb 178

=

*** Check Standard: 2 Ck2ACCV Seq: 211 22:25:58 09 Aug 12 HG

Line Flag Intensities

Hg 17298

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 212 22:28:18 09 Aug 12 HG

Line Flag Intensities

Hg 32

=

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-43267-1

SDG No.: _____

Batch Number: 123402 Batch Start Date: 08/10/12 04:13 Batch Analyst: Chen, MandiBatch Method: 3050B Batch End Date: 08/10/12 12:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_LCS-int 00031	ME_LCSS_77 00001	
MB 460-123402/1		3050B, 6010B		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-123402/2		3050B, 6010B		CALC NOT SET TO RUN	1.02 g	50 mL		1 g	
460-43211-A-4 DU		3050B, 6010B	T	CALC NOT SET TO RUN	1.07 g	50 mL			
460-43211-A-4 MS		3050B, 6010B	T	CALC NOT SET TO RUN	1.06 g	50 mL	2 mL		
460-43267-A-1	SO-17338-080612-MM-200	3050B, 6010B	T	CALC NOT SET TO RUN	1.12 g	50 mL			
460-43267-A-2	SO-17338-080612-MM-201	3050B, 6010B	T	CALC NOT SET TO RUN	1.12 g	50 mL			
460-43267-A-3	SO-17338-080612-MM-202	3050B, 6010B	T	CALC NOT SET TO RUN	1.04 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	L03021
Hood ID or number	8
Hot Block ID number	1
Pipette ID	25
Temperature	95 Degrees C
ID number of the thermometer	ICP-2
Digestion Tube/Cup Lot #	143136263

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-43267-1

SDG No.: _____

Batch Number: 123339 Batch Start Date: 08/09/12 16:28 Batch Analyst: Staib, Thomas

Batch Method: 7471A Batch End Date: 08/09/12 18:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DQCS-INT 00589			
ICV 460-123339/7		7471A, 7471A		0.60 g	100 mL	5 mL			
CCV 460-123339/8		7471A, 7471A		0.60 g	100 mL	5 mL			

Batch Notes	
Hydroxylamine Hydrochloride Lot	HgR01479
Balance ID	#35
Batch Comment	Autoclave Pressure 15 LBS
Sulfuric Acid Lot Number	K53043
Lot # of hydrochloric acid	HgR01480
Lot # of Nitric Acid	L03021
Hood ID or number	#1
Potassium Permanganate Lot Number	HgR01478
NaCL Lot #	HgR01479
Oven, Bath or Block Temperature 1	Autoclave Temperature 121 Degrees Celcuis
Pipette ID	#25
Stannous Chloride Lot Number	HgR01481
ID number of the thermometer	Prep-1

Basis	Basis Description

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-43267-1

SDG No.: _____

Batch Number: 123348 Batch Start Date: 08/09/12 16:59 Batch Analyst: Staib, ThomasBatch Method: 7471A Batch End Date: 08/09/12 18:44

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 00877	ME_LCSS_77 00001		
MB 460-123348/10		7471A, 7471A		0.60 g	100 mL				
LCSSRM 460-123348/11		7471A, 7471A		0.60 g	100 mL		0.6 g		
460-43017-A-7 DU		7471A, 7471A	T	0.60 g	100 mL				
460-43017-E-7 MS		7471A, 7471A	T	0.60 g	100 mL	1 mL			
460-43267-A-1	SO-17338-080612-MM-200	7471A, 7471A	T	0.63 g	100 mL				
460-43267-A-2	SO-17338-080612-MM-201	7471A, 7471A	T	0.62 g	100 mL				
460-43267-A-3	SO-17338-080612-MM-202	7471A, 7471A	T	0.62 g	100 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	HgR01479
Balance ID	#35
Batch Comment	Autoclave Pressure 15 LBS
Sulfuric Acid Lot Number	K53043
Lot # of hydrochloric acid	HgR01480
Lot # of Nitric Acid	L03021
Hood ID or number	#1
Potassium Permanganate Lot Number	HgR01478
NaCL Lot #	HgR01479
Oven, Bath or Block Temperature 1	Autoclave Temperature 121 Degrees Celcius
Pipette ID	#25
Stannous Chloride Lot Number	HgR01481
ID number of the thermometer	Prep-1

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-43267-1

SDG No.: _____

Project: 17338-TO4-2012, RACER, GM Wilmington

Client Sample ID

SO-17338-080612-MM-200

SO-17338-080612-MM-201

SO-17338-080612-MM-202

Lab Sample ID

460-43267-1

460-43267-2

460-43267-3

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-43267-1
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: 460-43267-1
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.: 460-43267-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/08/2012 23:57 End Date: 08/10/2012 10:54

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			23:57																		
ZZZZZZ			23:57																		
ZZZZZZ			23:57																		
ZZZZZZ			23:57																		
ZZZZZZ			23:57																		
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ZZZZZZ			23:57																		
ZZZZZZ			23:57																		
460-43247-F-7 DU	1	T	23:57	X	X																
ZZZZZZ			23:57																		
ZZZZZZ			23:57																		
460-43267-1	1	T	23:57	X	X																
460-43267-2	1	T	23:57	X	X																
ZZZZZZ			10:54																		
ZZZZZZ			10:54																		

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-43267-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/09/2012 00:27 End Date: 08/09/2012 00:27

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
460-43267-3	1	T	00:27	X	X																
ZZZZZZ			00:27																		
ZZZZZZ			00:27																		
ZZZZZZ			00:27																		
ZZZZZZ			00:27																		
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ZZZZZZ			00:27																		
ZZZZZZ			00:27																		
ZZZZZZ			00:27																		
ZZZZZZ			00:27																		
460-43271-D-4 DU	1	T	00:27	X	X																
ZZZZZZ			00:27																		
ZZZZZZ			00:27																		
ZZZZZZ			00:27																		
ZZZZZZ			00:27																		
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ZZZZZZ			00:27																		
ZZZZZZ			00:27																		

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-43267-1

SDG No.: _____

Batch Number: 123195 Batch Start Date: 08/08/12 23:57 Batch Analyst: Dave, VirendraBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-43247-F-7 DU		Moisture	T	61	1.00 g	7.83 g	6.66 g		
460-43267-A-1	SO-17338-080612-MM-200	Moisture	T	64	0.99 g	8.82 g	7.44 g		
460-43267-A-2	SO-17338-080612-MM-201	Moisture	T	65	1.03 g	6.53 g	5.66 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	8/9/12
Oven Temp when samples are put in oven	104 Degrees C
Time samples were place in the oven	00:30
Date samples were removed from oven	08/09/12
Oven Temp when samples removed from oven	Oven-2 103 Degrees C
Time Samples were removed from oven	13:06
Oven ID	2
ID number of the thermometer	2935
Uncorrected Out Temperature	None Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-43267-1

SDG No.: _____

Batch Number: 123197 Batch Start Date: 08/09/12 00:27 Batch Analyst: Dave, VirendraBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-43267-A-3	SO-17338-080612-MM-202	Moisture	T	64	1.10 g	8.17 g	7.19 g		
460-43271-D-4 DU		Moisture	T	73	1.00 g	9.70 g	7.94 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	8/9/12
Oven Temp when samples are put in oven	104 Degrees C
Time samples were place in the oven	01:05
Date samples were removed from oven	08/09/12
Oven Temp when samples removed from oven	Oven-2 103 Degrees C
Time Samples were removed from oven	13:06
Oven ID	2
ID number of the thermometer	2935
Uncorrected Out Temperature	None Celsius

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page of

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Special instructions

Relinquished by	Company	Date / Time	Received by	Company
1) Martin W. Mc	CEA	8/6/12 11:42 AM	EC Buehler	TA
Relinquished by	Company	Date / Time	Received by	Company
2) EC Buehler	TA	8/6/12 11:55 AM	Sen. Buehler	TEST AMERICA
Relinquished by	Company	Date / Time	Received by	Company
3) Sen. Buehler	TA	8/6/12 11:00 AM	EC Buehler	TA EDISON
Relinquished by	Company	Date / Time	Received by	Company
4)				

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132), Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0408)

117
50

652



Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43267-1

Login Number: 43267

List Source: TestAmerica Edison

List Number: 1

Creator: Franklin, Jannel O

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
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	1.7 IR#50
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	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.