

ANALYTICAL REPORT

Job Number: 460-43877-1

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



Approved for release.
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11/13/2012 4:17 PM

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11/13/2012

cc: Chris Barton

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CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 17338-TO4-2012, GM Wilmington

Report Number: 460-43877-1

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

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

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

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

RECEIPT

The samples were received on 08/23/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.7 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 460-43877-2, 460-43877-9 and 460-43877-10 were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared on 11/08/2012 and analyzed on 11/10/2012.

Samples 460-43877-2(4X), 460-43877-9 and 460-43877-10(4X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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.

No difficulties were encountered during the metals analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples 460-43877-1 through 460-43877-11 were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D). The samples were analyzed on 08/26/2012.

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

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-43877-1	SO-17338-082312-mm-209	Solid	08/23/2012 0830	08/23/2012 1930
460-43877-2	SO-17338-082312-mm-210	Solid	08/23/2012 0950	08/23/2012 1930
460-43877-3	SO-17338-082312-mm-211	Solid	08/23/2012 1005	08/23/2012 1930
460-43877-4	SO-17338-082312-mm-212	Solid	08/23/2012 1030	08/23/2012 1930
460-43877-5	SO-17338-082312-mm-213	Solid	08/23/2012 1120	08/23/2012 1930
460-43877-6	SO-17338-082312-mm-214	Solid	08/23/2012 1205	08/23/2012 1930
460-43877-7	SO-17338-082312-mm-215	Solid	08/23/2012 1215	08/23/2012 1930
460-43877-8	SO-17338-082312-mm-216	Solid	08/23/2012 1230	08/23/2012 1930
460-43877-9	SO-17338-082312-mm-217	Solid	08/23/2012 1300	08/23/2012 1930
460-43877-10	SO-17338-082312-mm-218	Solid	08/23/2012 1400	08/23/2012 1930
460-43877-11	SO-17338-082312-mm-219	Solid	08/23/2012 1440	08/23/2012 1930

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-43877-1	SO-17338-082312-MM-209					
Percent Moisture		20.2		1.0	%	Moisture
Percent Solids		79.8		1.0	%	Moisture
460-43877-2	SO-17338-082312-MM-210					
Percent Moisture		14.6		1.0	%	Moisture
Percent Solids		85.4		1.0	%	Moisture
460-43877-3	SO-17338-082312-MM-211					
Percent Moisture		18.3		1.0	%	Moisture
Percent Solids		81.7		1.0	%	Moisture
460-43877-4	SO-17338-082312-MM-212					
Percent Moisture		7.1		1.0	%	Moisture
Percent Solids		92.9		1.0	%	Moisture
460-43877-5	SO-17338-082312-MM-213					
Percent Moisture		11.7		1.0	%	Moisture
Percent Solids		88.3		1.0	%	Moisture
460-43877-6	SO-17338-082312-MM-214					
Percent Moisture		8.4		1.0	%	Moisture
Percent Solids		91.6		1.0	%	Moisture
460-43877-7	SO-17338-082312-MM-215					
Percent Moisture		10.3		1.0	%	Moisture
Percent Solids		89.7		1.0	%	Moisture
460-43877-8	SO-17338-082312-MM-216					
Percent Moisture		11.0		1.0	%	Moisture
Percent Solids		89.0		1.0	%	Moisture
460-43877-9	SO-17338-082312-MM-217					
Arsenic		3.9		1.0	mg/Kg	6010B
Percent Moisture		8.4		1.0	%	Moisture
Percent Solids		91.6		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-43877-10	SO-17338-082312-MM-218					
Arsenic		3.5		1.0	mg/Kg	6010B
Percent Moisture		7.9		1.0	%	Moisture
Percent Solids		92.1		1.0	%	Moisture
460-43877-11	SO-17338-082312-MM-219					
Percent Moisture		9.3		1.0	%	Moisture
Percent Solids		90.7		1.0	%	Moisture

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Metals (ICP)	TAL EDI	SW846 6010B	
Preparation, Metals	TAL EDI		SW846 3050B
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: 460-43877-1

Method	Analyst	Analyst ID
SW846 6010B	Chang, Churn Der	CDC
EPA Moisture	Dave, Virendra	VD

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

Client Sample ID: SO-17338-082312-mm-210

Lab Sample ID: 460-43877-2

Date Sampled: 08/23/2012 0950

Client Matrix: Solid

% Moisture: 14.6

Date Received: 08/23/2012 1930

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 460-135094

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-134824

Lab File ID: 11102012.asc

Dilution: 4.0

Initial Weight/Volume: 1.01 g

Analysis Date: 11/10/2012 1432

Final Weight/Volume: 50 mL

Prep Date: 11/08/2012 1041

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		1.1	U	1.1	1.2

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

Client Sample ID: SO-17338-082312-mm-217

Lab Sample ID: 460-43877-9

Date Sampled: 08/23/2012 1300

Client Matrix: Solid

% Moisture: 8.4

Date Received: 08/23/2012 1930

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 460-135094

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-134824

Lab File ID: 11102012.asc

Dilution: 4.0

Initial Weight/Volume: 1.04 g

Analysis Date: 11/10/2012 1436

Final Weight/Volume: 50 mL

Prep Date: 11/08/2012 1041

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		3.9		0.99	1.0

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

Client Sample ID: SO-17338-082312-mm-218

Lab Sample ID: 460-43877-10

Date Sampled: 08/23/2012 1400

Client Matrix: Solid

% Moisture: 7.9

Date Received: 08/23/2012 1930

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 460-135094

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-134824

Lab File ID: 11102012.asc

Dilution: 4.0

Initial Weight/Volume: 1.05 g

Analysis Date: 11/10/2012 1440

Final Weight/Volume: 50 mL

Prep Date: 11/08/2012 1041

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		3.5		0.97	1.0

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

General Chemistry**Client Sample ID:** SO-17338-082312-mm-209

Lab Sample ID: 460-43877-1

Date Sampled: 08/23/2012 0830

Client Matrix: Solid

Date Received: 08/23/2012 1930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N
Percent Solids	79.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

General Chemistry**Client Sample ID:** SO-17338-082312-mm-210

Lab Sample ID: 460-43877-2

Date Sampled: 08/23/2012 0950

Client Matrix: Solid

Date Received: 08/23/2012 1930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N
Percent Solids	85.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

General Chemistry**Client Sample ID:** SO-17338-082312-mm-211

Lab Sample ID: 460-43877-3

Date Sampled: 08/23/2012 1005

Client Matrix: Solid

Date Received: 08/23/2012 1930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N
Percent Solids	81.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

General Chemistry**Client Sample ID:** SO-17338-082312-mm-212

Lab Sample ID: 460-43877-4

Date Sampled: 08/23/2012 1030

Client Matrix: Solid

Date Received: 08/23/2012 1930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N
Percent Solids	92.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

General Chemistry**Client Sample ID:** SO-17338-082312-mm-213

Lab Sample ID: 460-43877-5

Date Sampled: 08/23/2012 1120

Client Matrix: Solid

Date Received: 08/23/2012 1930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N
Percent Solids	88.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

General Chemistry**Client Sample ID:** SO-17338-082312-mm-214

Lab Sample ID: 460-43877-6

Date Sampled: 08/23/2012 1205

Client Matrix: Solid

Date Received: 08/23/2012 1930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N
Percent Solids	91.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

General Chemistry

Client Sample ID: SO-17338-082312-mm-215

Lab Sample ID: 460-43877-7

Date Sampled: 08/23/2012 1215

Client Matrix: Solid

Date Received: 08/23/2012 1930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N
Percent Solids	89.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

General Chemistry**Client Sample ID:** SO-17338-082312-mm-216

Lab Sample ID: 460-43877-8

Date Sampled: 08/23/2012 1230

Client Matrix: Solid

Date Received: 08/23/2012 1930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N
Percent Solids	89.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

General Chemistry**Client Sample ID:** SO-17338-082312-mm-217

Lab Sample ID: 460-43877-9

Date Sampled: 08/23/2012 1300

Client Matrix: Solid

Date Received: 08/23/2012 1930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N
Percent Solids	91.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

General Chemistry

Client Sample ID: SO-17338-082312-mm-218

Lab Sample ID: 460-43877-10

Date Sampled: 08/23/2012 1400

Client Matrix: Solid

Date Received: 08/23/2012 1930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N
Percent Solids	92.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

General Chemistry

Client Sample ID: SO-17338-082312-mm-219

Lab Sample ID: 460-43877-11

Date Sampled: 08/23/2012 1440

Client Matrix: Solid

Date Received: 08/23/2012 1930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N
Percent Solids	90.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-125606	Analysis Date: 08/26/2012 1817					DryWt Corrected: N

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

Method Blank - Batch: 460-134824

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 460-134824/1-A ^2	Analysis Batch:	460-135094	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-134824	Lab File ID:	11102012.asc
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	11/10/2012 1458	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/08/2012 0815				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	0.47	U	0.47	0.50

LCS-Certified Reference Material - Batch: 460-134824

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	460-135094	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-134824	Lab File ID:	11102012.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	11/10/2012 1447	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/08/2012 0815				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	162	151.1	93.5	70.8 - 129.8	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

Matrix Spike - Batch: 460-134824

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-46704-A-13-F MS ^4
Client Matrix: Solid
Dilution: 4.0
Analysis Date: 11/10/2012 1512
Prep Date: 11/08/2012 0815
Leach Date: N/A

Analysis Batch: 460-135094
Prep Batch: 460-134824
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP5
Lab File ID: 11102012.asc
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	1.1 U	230	211.5	92	75 - 125	

Post Digestion Spike - Batch: 460-134824

Method: 6010B

Preparation: 3050B

Lab Sample ID: 460-46704-A-13-D PDS
Client Matrix: Solid
Dilution: 4.0
Analysis Date: 11/10/2012 1516
Prep Date: 11/08/2012 0815
Leach Date: N/A

Analysis Batch: 460-135094
Prep Batch: 460-134824
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP5
Lab File ID: 11102012.asc
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	1.1 U	478	434.4	91	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

Duplicate - Batch: 460-134824

Method: 6010B
Preparation: 3050B

Lab Sample ID:	460-46704-A-13-E DU ^4	Analysis Batch:	460-135094	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-134824	Lab File ID:	11102012.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	11/10/2012 1501	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/08/2012 0815				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	1.1 U	1.1	NC	20	U

Serial Dilution - Batch: 460-134824

Method: 6010B
Preparation: 3050B

Lab Sample ID:	460-46704-A-13-D SD	Analysis Batch:	460-135094	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-134824	Lab File ID:	11102012.asc
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	11/10/2012 1509	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/08/2012 0815				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	1.1 U	5.6	NC	10	U

DATA REPORTING QUALIFIERS

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

Lab Section	Qualifier	Description
Metals	U	Indicates the analyte was analyzed for but not detected.
	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: 460-43877-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-134824					
LCSSRM 460-134824/2-A ^4	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-134824/1-A ^2	Method Blank	T	Solid	3050B	
460-43877-2	SO-17338-082312-mm-210	T	Solid	3050B	
460-43877-9	SO-17338-082312-mm-217	T	Solid	3050B	
460-43877-10	SO-17338-082312-mm-218	T	Solid	3050B	
460-46704-A-13-E DU ^4	Duplicate	T	Solid	3050B	
460-46704-A-13-F MS ^4	Matrix Spike	T	Solid	3050B	
Analysis Batch: 460-135094					
LCSSRM 460-134824/2-A ^4	LCS-Certified Reference Material	T	Solid	6010B	460-134824
MB 460-134824/1-A ^2	Method Blank	T	Solid	6010B	460-134824
460-43877-2	SO-17338-082312-mm-210	T	Solid	6010B	460-134824
460-43877-9	SO-17338-082312-mm-217	T	Solid	6010B	460-134824
460-43877-10	SO-17338-082312-mm-218	T	Solid	6010B	460-134824
460-46704-A-13-E DU ^4	Duplicate	T	Solid	6010B	460-134824
460-46704-A-13-F MS ^4	Matrix Spike	T	Solid	6010B	460-134824

Report Basis

T = Total

General Chemistry

Analysis Batch: 460-125606					
460-43868-A-1 MS	Matrix Spike	T	Solid	Moisture	
460-43868-A-1 MSD	Matrix Spike Duplicate	T	Solid	Moisture	
460-43877-1	SO-17338-082312-mm-209	T	Solid	Moisture	
460-43877-2	SO-17338-082312-mm-210	T	Solid	Moisture	
460-43877-3	SO-17338-082312-mm-211	T	Solid	Moisture	
460-43877-4	SO-17338-082312-mm-212	T	Solid	Moisture	
460-43877-5	SO-17338-082312-mm-213	T	Solid	Moisture	
460-43877-6	SO-17338-082312-mm-214	T	Solid	Moisture	
460-43877-7	SO-17338-082312-mm-215	T	Solid	Moisture	
460-43877-8	SO-17338-082312-mm-216	T	Solid	Moisture	
460-43877-9	SO-17338-082312-mm-217	T	Solid	Moisture	
460-43877-10	SO-17338-082312-mm-218	T	Solid	Moisture	
460-43877-11	SO-17338-082312-mm-219	T	Solid	Moisture	

Report Basis

T = Total

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

Laboratory Chronicle

Lab ID: 460-43877-1

Client ID: SO-17338-082312-mm-209

Sample Date/Time: 08/23/2012 08:30

Received Date/Time: 08/23/2012 19:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-43877-A-1		460-125606		08/26/2012 18:17	1	TAL EDI	VD

Lab ID: 460-43877-2

Client ID: SO-17338-082312-mm-210

Sample Date/Time: 08/23/2012 09:50

Received Date/Time: 08/23/2012 19:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-43877-A-2-A ^4		460-135094	460-134824	11/08/2012 10:41	4	TAL EDI	MC
A:6010B	460-43877-A-2-A ^4		460-135094	460-134824	11/10/2012 14:32	4	TAL EDI	CDC
A:Moisture	460-43877-A-2		460-125606		08/26/2012 18:17	1	TAL EDI	VD

Lab ID: 460-43877-3

Client ID: SO-17338-082312-mm-211

Sample Date/Time: 08/23/2012 10:05

Received Date/Time: 08/23/2012 19:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-43877-A-3		460-125606		08/26/2012 18:17	1	TAL EDI	VD

Lab ID: 460-43877-4

Client ID: SO-17338-082312-mm-212

Sample Date/Time: 08/23/2012 10:30

Received Date/Time: 08/23/2012 19:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-43877-A-4		460-125606		08/26/2012 18:17	1	TAL EDI	VD

Lab ID: 460-43877-5

Client ID: SO-17338-082312-mm-213

Sample Date/Time: 08/23/2012 11:20

Received Date/Time: 08/23/2012 19:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-43877-A-5		460-125606		08/26/2012 18:17	1	TAL EDI	VD

Lab ID: 460-43877-6

Client ID: SO-17338-082312-mm-214

Sample Date/Time: 08/23/2012 12:05

Received Date/Time: 08/23/2012 19:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-43877-A-6		460-125606		08/26/2012 18:17	1	TAL EDI	VD

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

Laboratory Chronicle

Lab ID: 460-43877-7

Client ID: SO-17338-082312-mm-215

Sample Date/Time: 08/23/2012 12:15

Received Date/Time: 08/23/2012 19:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-43877-A-7		460-125606		08/26/2012 18:17	1	TAL EDI	VD

Lab ID: 460-43877-8

Client ID: SO-17338-082312-mm-216

Sample Date/Time: 08/23/2012 12:30

Received Date/Time: 08/23/2012 19:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-43877-A-8		460-125606		08/26/2012 18:17	1	TAL EDI	VD

Lab ID: 460-43877-9

Client ID: SO-17338-082312-mm-217

Sample Date/Time: 08/23/2012 13:00

Received Date/Time: 08/23/2012 19:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-43877-A-9-A ^4		460-135094	460-134824	11/08/2012 10:41	4	TAL EDI	MC
A:6010B	460-43877-A-9-A ^4		460-135094	460-134824	11/10/2012 14:36	4	TAL EDI	CDC
A:Moisture	460-43877-A-9		460-125606		08/26/2012 18:17	1	TAL EDI	VD

Lab ID: 460-43877-10

Client ID: SO-17338-082312-mm-218

Sample Date/Time: 08/23/2012 14:00

Received Date/Time: 08/23/2012 19:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-43877-A-10-A ^4		460-135094	460-134824	11/08/2012 10:41	4	TAL EDI	MC
A:6010B	460-43877-A-10-A ^4		460-135094	460-134824	11/10/2012 14:40	4	TAL EDI	CDC
A:Moisture	460-43877-A-10		460-125606		08/26/2012 18:17	1	TAL EDI	VD

Lab ID: 460-43877-11

Client ID: SO-17338-082312-mm-219

Sample Date/Time: 08/23/2012 14:40

Received Date/Time: 08/23/2012 19:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-43877-A-11		460-125606		08/26/2012 18:17	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 460-134824/1-A ^2		460-135094	460-134824	11/08/2012 08:15	2	TAL EDI	MC
A:6010B	MB 460-134824/1-A ^2		460-135094	460-134824	11/10/2012 14:58	2	TAL EDI	CDC

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

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		460-135094	460-134824	11/08/2012 08:15	4	TAL EDI	MC
	460-134824/2-A ^4							
A:6010B	LCSSRM		460-135094	460-134824	11/10/2012 14:47	4	TAL EDI	CDC
	460-134824/2-A ^4							

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	460-46704-A-13-F MS		460-135094	460-134824	11/08/2012 08:15	4	TAL EDI	MC
	^4							
A:6010B	460-46704-A-13-F MS		460-135094	460-134824	11/10/2012 15:12	4	TAL EDI	CDC
	^4							
A:Moisture	460-43868-A-1 MS		460-125606		08/26/2012 18:17	1	TAL EDI	VD

Lab ID: MSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-43868-A-1 MSD		460-125606		08/26/2012 18:17	1	TAL EDI	VD

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	460-46704-A-13-E DU		460-135094	460-134824	11/08/2012 08:15	4	TAL EDI	MC
	^4							
A:6010B	460-46704-A-13-E DU		460-135094	460-134824	11/10/2012 15:01	4	TAL EDI	CDC
	^4							

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	460-46704-A-13-D SD		460-135094	460-134824	11/08/2012 08:15	20	TAL EDI	MC
	^20							
A:6010B	460-46704-A-13-D SD		460-135094	460-134824	11/10/2012 15:09	20	TAL EDI	CDC
	^20							
P:3050B	460-46704-A-13-D		460-135094	460-134824	11/08/2012 08:15	4	TAL EDI	MC
	PDS ^4							
A:6010B	460-46704-A-13-D		460-135094	460-134824	11/10/2012 15:16	4	TAL EDI	CDC
	PDS ^4							

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

Laboratory Chronicle

Lab References:

TAL EDI = TestAmerica Edison

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-43877-1

SDG No.: _____

Project: 17338-T04-2012, GM Wilmington

Client Sample ID

SO-17338-082312-mm-210

SO-17338-082312-mm-217

SO-17338-082312-mm-218

Lab Sample ID

460-43877-2

460-43877-9

460-43877-10

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SO-17338-082312-mm-210

Lab Sample ID: 460-43877-2

Lab Name: TestAmerica Edison

Job No.: 460-43877-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/23/2012 09:50

Reporting Basis: DRY

Date Received: 08/23/2012 19:30

% Solids: 85.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1.1	1.2	1.1	mg/Kg	U		4	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SO-17338-082312-mm-217

Lab Sample ID: 460-43877-9

Lab Name: TestAmerica Edison

Job No.: 460-43877-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/23/2012 13:00

Reporting Basis: DRY

Date Received: 08/23/2012 19:30

% Solids: 91.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	3.9	1.0	0.99	mg/Kg			4	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SO-17338-082312-mm-218 Lab Sample ID: 460-43877-10
Lab Name: TestAmerica Edison Job No.: 460-43877-1
SDG ID.: _____
Matrix: Solid Date Sampled: 08/23/2012 14:00
Reporting Basis: DRY Date Received: 08/23/2012 19:30
% Solids: 92.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	3.5	1.0	0.97	mg/Kg			4	6010B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-43877-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00062 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00062

Analyte	ICV 460-135094/7 11/10/2012 12:38				CCV 460-135094/31 11/10/2012 14:07				CCV 460-135094/43 11/10/2012 14:50			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	2491		2500	100	2494		2500	100	2456		2500	98

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.: 460-43877-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00062 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00062

Analyte	CCV 460-135094/55 11/10/2012 15:34											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	2481		2500	99								

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.: 460-43877-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-135094/8 11/10/2012 12:41		CCB 460-135094/32 11/10/2012 14:10		CCB 460-135094/44 11/10/2012 14:54		CCB 460-135094/56 11/10/2012 15:38	
		Found	C	Found	C	Found	C	Found	C
Arsenic	5.0	3.7	U	3.7	U	3.7	U	3.7	U

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-43877-1
SDG No.: _____
Concentration Units: mg/Kg Lab Sample ID: MB 460-134824/1-A ^2
Instrument Code: ICP5 Batch No.: 135094

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	0.47	U		6010B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-43877-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-135094/9 Instrument ID: ICP5
 Lab File ID: 11102012.asc ICS Source: ME_ICSA_Duo_00040
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		-7.14	
<i>Aluminum</i>	<i>500000</i>	<i>500100</i>	<i>100</i>
<i>Antimony</i>		<i>3.48</i>	
<i>Barium</i>		<i>-0.355</i>	
<i>Beryllium</i>		<i>-0.0587</i>	
<i>Boron</i>		<i>-1.54</i>	
<i>Cadmium</i>		<i>3.45</i>	
<i>Calcium</i>	<i>500000</i>	<i>445200</i>	<i>89</i>
<i>Chromium</i>		<i>1.80</i>	
<i>Cobalt</i>		<i>-0.637</i>	
<i>Copper</i>		<i>-2.73</i>	
<i>Iron</i>	<i>200000</i>	<i>196300</i>	<i>98</i>
<i>Lead</i>		<i>1.18</i>	
<i>Magnesium</i>	<i>500000</i>	<i>501400</i>	<i>100</i>
<i>Manganese</i>		<i>0.832</i>	
<i>Molybdenum</i>		<i>-1.43</i>	
<i>Nickel</i>		<i>-0.539</i>	
<i>Potassium</i>		<i>206</i>	
<i>Selenium</i>		<i>3.29</i>	
<i>Silver</i>		<i>-0.746</i>	
<i>Sodium</i>		<i>15.5</i>	
<i>Strontium</i>		<i>-0.0627</i>	
<i>Thallium</i>		<i>7.46</i>	
<i>Tin</i>		<i>-2.09</i>	
<i>Titanium</i>		<i>-3.12</i>	
<i>Vanadium</i>		<i>0.424</i>	
<i>Zinc</i>		<i>0.136</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.: 460-43877-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-135094/10 Instrument ID: ICP5
 Lab File ID: 11102012.asc ICS Source: ME_ICSAB_DUO_00041
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	100	88.4	88
<i>Aluminum</i>	<i>500000</i>	<i>502000</i>	<i>100</i>
<i>Antimony</i>	<i>100</i>	<i>102</i>	<i>102</i>
<i>Barium</i>	<i>100</i>	<i>91.2</i>	<i>91</i>
<i>Beryllium</i>	<i>100</i>	<i>94.1</i>	<i>94</i>
<i>Boron</i>	<i>100</i>	<i>88.2</i>	<i>88</i>
<i>Cadmium</i>	<i>100</i>	<i>98.7</i>	<i>99</i>
<i>Calcium</i>	<i>500000</i>	<i>443800</i>	<i>89</i>
<i>Chromium</i>	<i>100</i>	<i>95.7</i>	<i>96</i>
<i>Cobalt</i>	<i>100</i>	<i>91.9</i>	<i>92</i>
<i>Copper</i>	<i>100</i>	<i>92.0</i>	<i>92</i>
<i>Iron</i>	<i>200000</i>	<i>197900</i>	<i>99</i>
<i>Lead</i>	<i>100</i>	<i>91.7</i>	<i>92</i>
<i>Magnesium</i>	<i>500000</i>	<i>502700</i>	<i>101</i>
<i>Manganese</i>	<i>100</i>	<i>97.7</i>	<i>98</i>
<i>Molybdenum</i>	<i>100</i>	<i>91.3</i>	<i>91</i>
<i>Nickel</i>	<i>100</i>	<i>91.1</i>	<i>91</i>
<i>Potassium</i>	<i>10000</i>	<i>10380</i>	<i>104</i>
<i>Selenium</i>	<i>100</i>	<i>91.4</i>	<i>91</i>
<i>Silver</i>	<i>100</i>	<i>93.3</i>	<i>93</i>
<i>Sodium</i>	<i>10000</i>	<i>10670</i>	<i>107</i>
<i>Strontium</i>	<i>100</i>	<i>91.2</i>	<i>91</i>
<i>Thallium</i>	<i>100</i>	<i>93.4</i>	<i>93</i>
<i>Tin</i>	<i>100</i>	<i>83.8</i>	<i>84</i>
<i>Titanium</i>	<i>100</i>	<i>93.4</i>	<i>93</i>
<i>Vanadium</i>	<i>100</i>	<i>94.2</i>	<i>94</i>
<i>Zinc</i>	<i>100</i>	<i>93.3</i>	<i>93</i>

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-46704-A-13-F MS ^4
 Lab Name: TestAmerica Edison Job No.: 460-43877-1
 SDG No.: _____
 Matrix: Solid Concentration Units: mg/Kg
 % Solids: 82.9

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	211.5	1.1 U	230	92	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: 460-46704-A-13-D PDS ^4
Lab Name: TestAmerica Edison Job No.: 460-43877-1
SDG No.: _____
Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	434.4	1.1 U	478	91	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: 460-46704-A-13-E DU ^4
Lab Name: TestAmerica Edison Job No.: 460-43877-1
SDG No.: _____
% Solids for Sample: 82.9 % Solids for Duplicate: 82.9
Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Arsenic	1.1	1.1 U	1.1 U	NC		6010B

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

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-134824/2-A ^4

Lab Name: TestAmerica Edison

Job No.: 460-43877-1

Sample Matrix: Solid

LCS Source: ME_LCSS_77_00002

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	162	151.1		93.5	70.8	129.8		6010B

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: 460-46704-A-13-D SD ^20

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-43877-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample		Serial		% Difference	Q	Method
	Result (I)	C	Result (S)	C			
Arsenic	1.1	U	5.6	U	NC		6010B

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: 460-43877-1
SDG Number: _____
Matrix: Solid Instrument ID: ICP5
Method: 6010B MDL Date: 02/08/2012 17:17
Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Arsenic		1	0.94

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-43877-1
SDG Number: _____
Matrix: Solid Instrument ID: ICP5
Method: 6010B XMDL Date: 11/14/2011 14:14

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic		5	3.729

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-43877-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-134824/1-A ^2	11/08/2012 08:15	134824	1.00		50
LCSSRM 460-134824/2-A ^4	11/08/2012 08:15	134824	1.04		50
460-46704-A-13-E DU ^4	11/08/2012 08:15	134824	1.05		50
460-46704-A-13-F MS ^4	11/08/2012 08:15	134824	1.05		50
460-43877-2	11/08/2012 10:41	134824	1.01		50
460-43877-9	11/08/2012 10:41	134824	1.04		50
460-43877-10	11/08/2012 10:41	134824	1.05		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-43877-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/10/2012 12:16 End Date: 11/10/2012 17:48

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A S															
ZZZZZZ			12:16																
ZZZZZZ			12:19																
ZZZZZZ			12:23																
ZZZZZZ			12:27																
ZZZZZZ			12:30																
ZZZZZZ			12:34																
ICV 460-135094/7	1		12:38	X															
ICB 460-135094/8	1		12:41	X															
ICSA 460-135094/9	1		12:45	X															
ICSAB 460-135094/10	1		12:49	X															
ZZZZZZ			12:52																
ZZZZZZ			12:56																
ZZZZZZ			13:00																
ZZZZZZ			13:03																
ZZZZZZ			13:07																
ZZZZZZ			13:11																
ZZZZZZ			13:14																
ZZZZZZ			13:18																
CCV 460-135094/19			13:22																
CCB 460-135094/20			13:25																
ZZZZZZ			13:29																
ZZZZZZ			13:33																
ZZZZZZ			13:36																
ZZZZZZ			13:40																
ZZZZZZ			13:44																
ZZZZZZ			13:48																
ZZZZZZ			13:51																
ZZZZZZ			13:55																
ZZZZZZ			13:59																
ZZZZZZ			14:03																
CCV 460-135094/31	1		14:07	X															
CCB 460-135094/32	1		14:10	X															
ZZZZZZ			14:14																
ZZZZZZ			14:18																
ZZZZZZ			14:21																
ZZZZZZ			14:25																
ZZZZZZ			14:29																
460-43877-2	4	T	14:32	X															
460-43877-9	4	T	14:36	X															
460-43877-10	4	T	14:40	X															
ZZZZZZ			14:43																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-43877-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/10/2012 12:16 End Date: 11/10/2012 17:48

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A S															
LCSSRM 460-134824/2-A ^4	4	T	14:47	X															
CCV 460-135094/43	1		14:50	X															
CCB 460-135094/44	1		14:54	X															
MB 460-134824/1-A ^2	2	T	14:58	X															
460-46704-A-13-E DU ^4	4	T	15:01	X															
ZZZZZZ			15:05																
460-46704-A-13-D SD ^20	20	T	15:09	X															
460-46704-A-13-F MS ^4	4	T	15:12	X															
460-46704-A-13-D PDS ^4	4	T	15:16	X															
ZZZZZZ			15:19																
ZZZZZZ			15:23																
ZZZZZZ			15:27																
ZZZZZZ			15:31																
CCV 460-135094/55	1		15:34	X															
CCB 460-135094/56	1		15:38	X															
ZZZZZZ			15:41																
ZZZZZZ			15:45																
ZZZZZZ			15:49																
ZZZZZZ			15:52																
ZZZZZZ			15:56																
ZZZZZZ			16:00																
ZZZZZZ			16:03																
ZZZZZZ			16:07																
ZZZZZZ			16:10																
ZZZZZZ			16:14																
CCV 460-135094/67			16:17																
CCB 460-135094/68			16:21																
ZZZZZZ			16:25																
ZZZZZZ			16:28																
ZZZZZZ			16:32																
ZZZZZZ			16:36																
ZZZZZZ			16:39																
ZZZZZZ			16:43																
ZZZZZZ			16:47																
ZZZZZZ			16:50																
ZZZZZZ			16:54																
ZZZZZZ			16:57																
CCV 460-135094/79			17:01																
CCB 460-135094/80			17:05																
ZZZZZZ			17:08																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-43877-1

SDG No.: _____

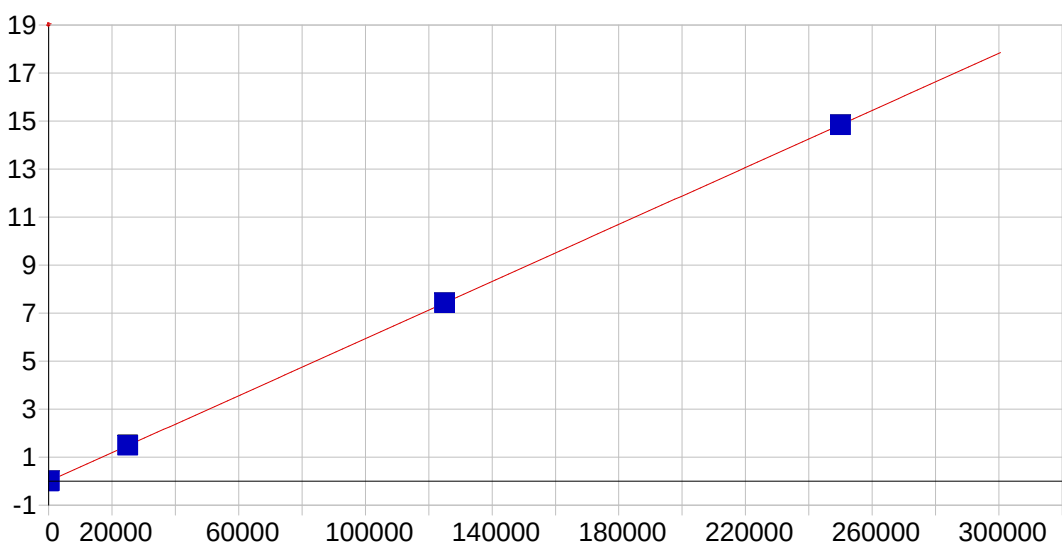
Instrument ID: ICP5 Method: 6010B

Start Date: 11/10/2012 12:16 End Date: 11/10/2012 17:48

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A	S																
ZZZZZZ			17:12																		
ZZZZZZ			17:16																		
ZZZZZZ			17:19																		
ZZZZZZ			17:23																		
ZZZZZZ			17:27																		
ZZZZZZ			17:30																		
ZZZZZZ			17:34																		
ZZZZZZ			17:37																		
ZZZZZZ			17:41																		
CCV 460-135094/91			17:45																		
CCB 460-135094/92			17:48																		

Prep Types

T = Total/NA

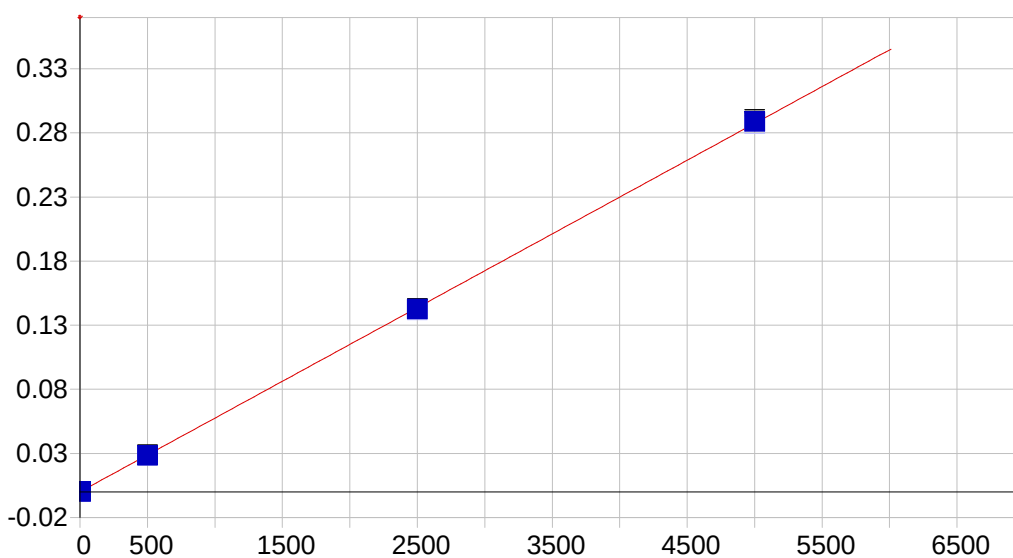


AI 396.152 { 85}

Date of Fit: 11/10/2012 12:37:52 Type of Fit: Linear Weighting: 1/Conc

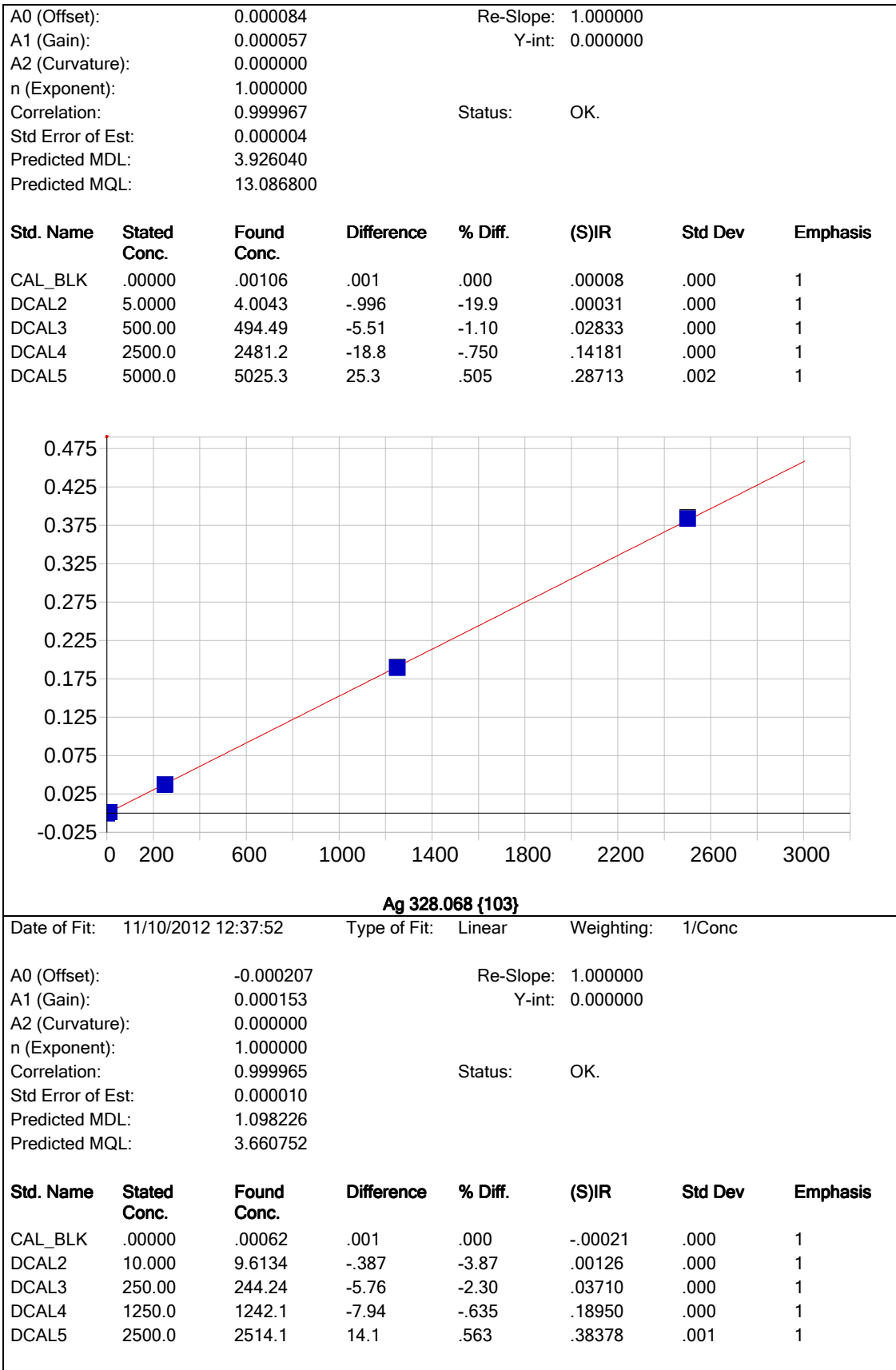
A0 (Offset): -0.003661 Re-Slope: 1.000000
 A1 (Gain): 0.000059 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999998 Status: OK.
 Std Error of Est: 0.000046
 Predicted MDL: 15.474552
 Predicted MQL: 51.581840

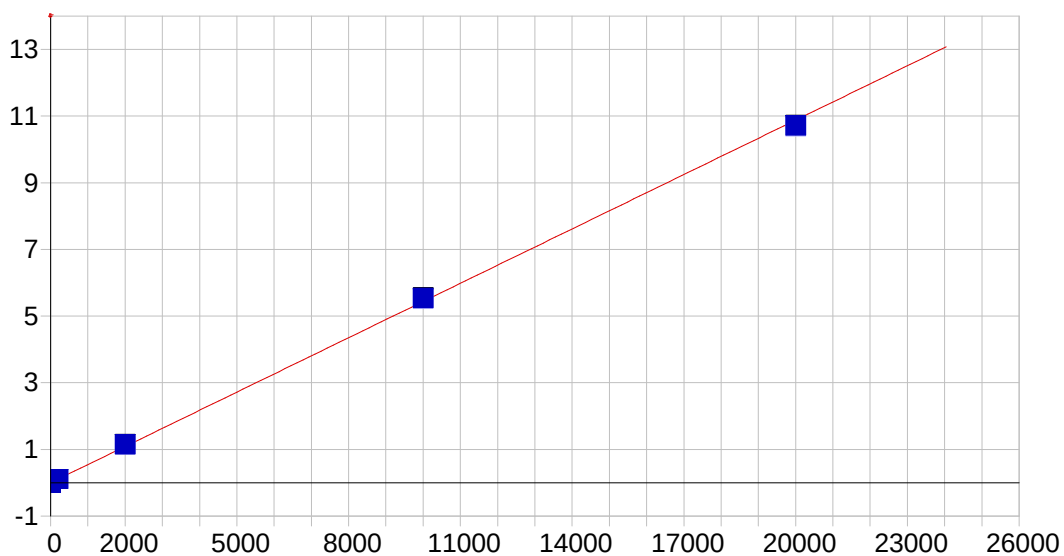
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00860	.009	.000	-.00366	.002	1
DCAL2	200.00	190.15	-9.85	-4.92	.00760	.000	1
DCAL3	25000.	25162.	162.	.647	1.4920	.004	1
DCAL4	125000.	125090.	90.5	.072	7.4319	.013	1
DCAL5	250000.	249760.	-243.	-.097	14.842	.009	1



As 189.042 {478}

Date of Fit: 11/10/2012 12:37:52 Type of Fit: Linear Weighting: 1/Conc



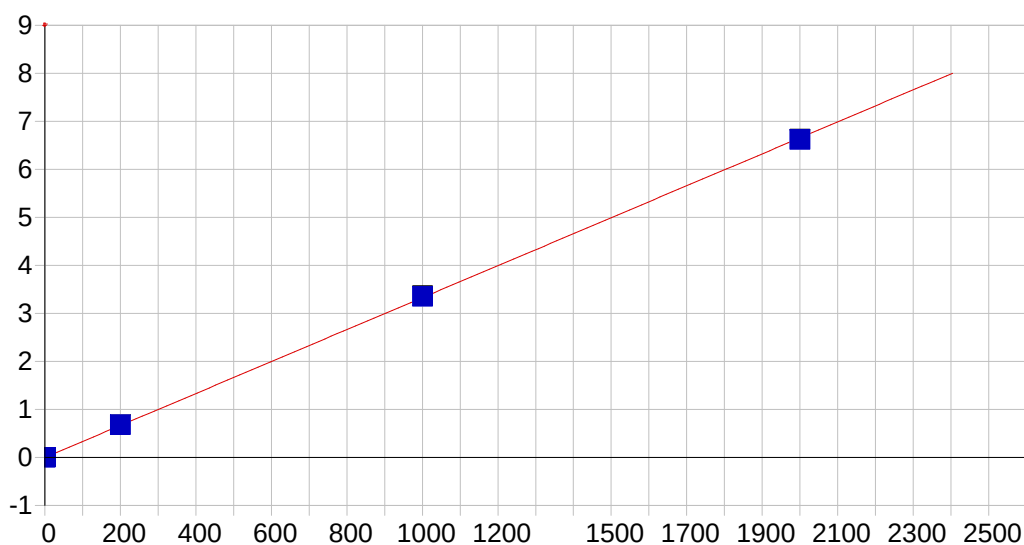


Ba 233.527 {445}

Date of Fit: 11/10/2012 12:37:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000089 Re-Slope: 1.000000
 A1 (Gain): 0.000544 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999755 Status: OK.
 Std Error of Est: 0.001245
 Predicted MDL: 0.449995
 Predicted MQL: 1.499982

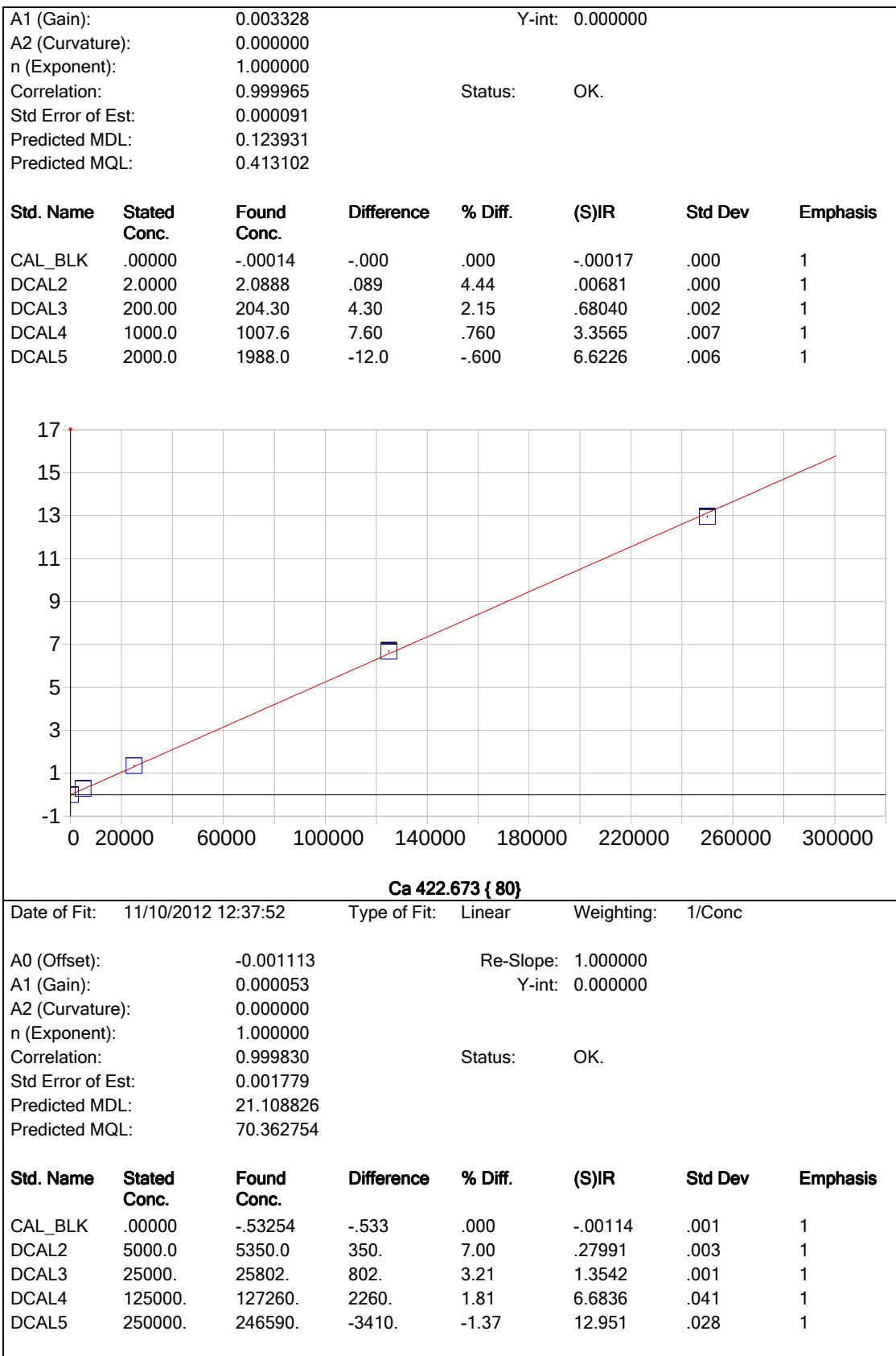
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.02688	-.027	.000	-.00010	.000	1
DCAL2	200.00	214.79	14.8	7.39	.11667	.000	1
DCAL3	2000.0	2116.3	116.	5.82	1.1487	.001	1
DCAL4	10000.	10177.	177.	1.77	5.5237	.013	1
DCAL5	20000.	19692.	-308.	-1.54	10.688	.011	1

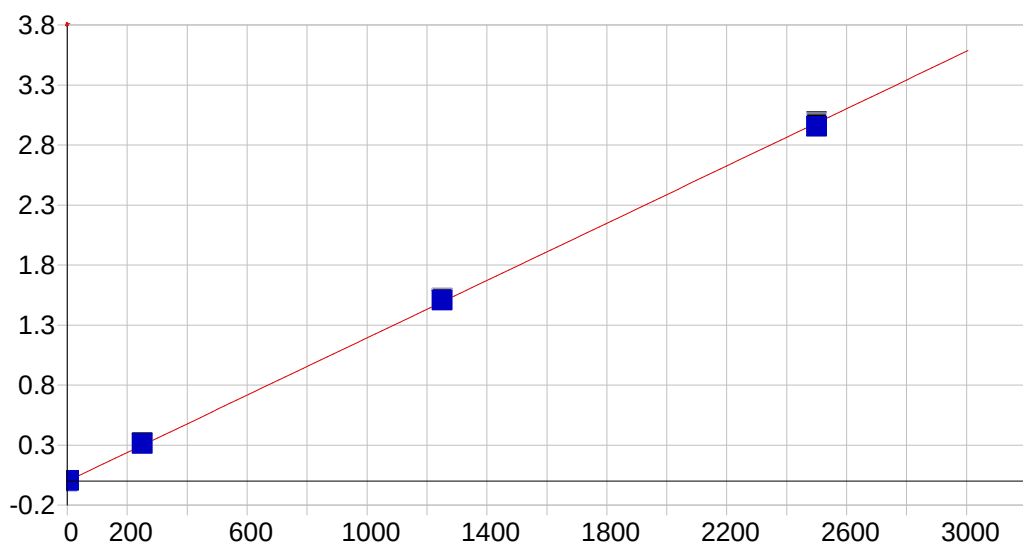


Be 313.042 {108}

Date of Fit: 11/10/2012 12:37:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000172 Re-Slope: 1.000000



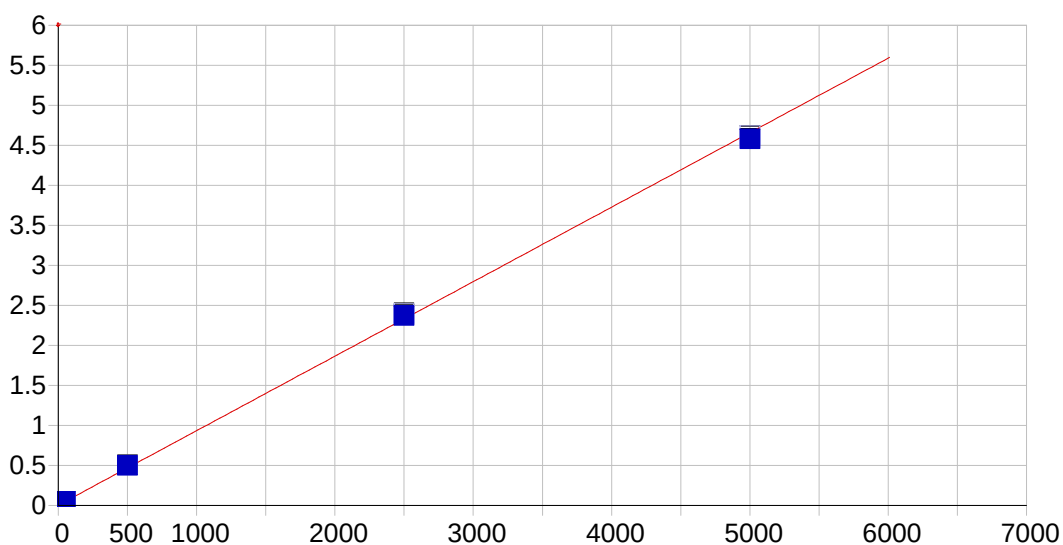


Cd 226.502 {449}

Date of Fit: 11/10/2012 12:37:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000394 Re-Slope: 1.000000
 A1 (Gain): 0.001194 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999879 Status: OK.
 Std Error of Est: 0.000097
 Predicted MDL: 0.298428
 Predicted MQL: 0.994761

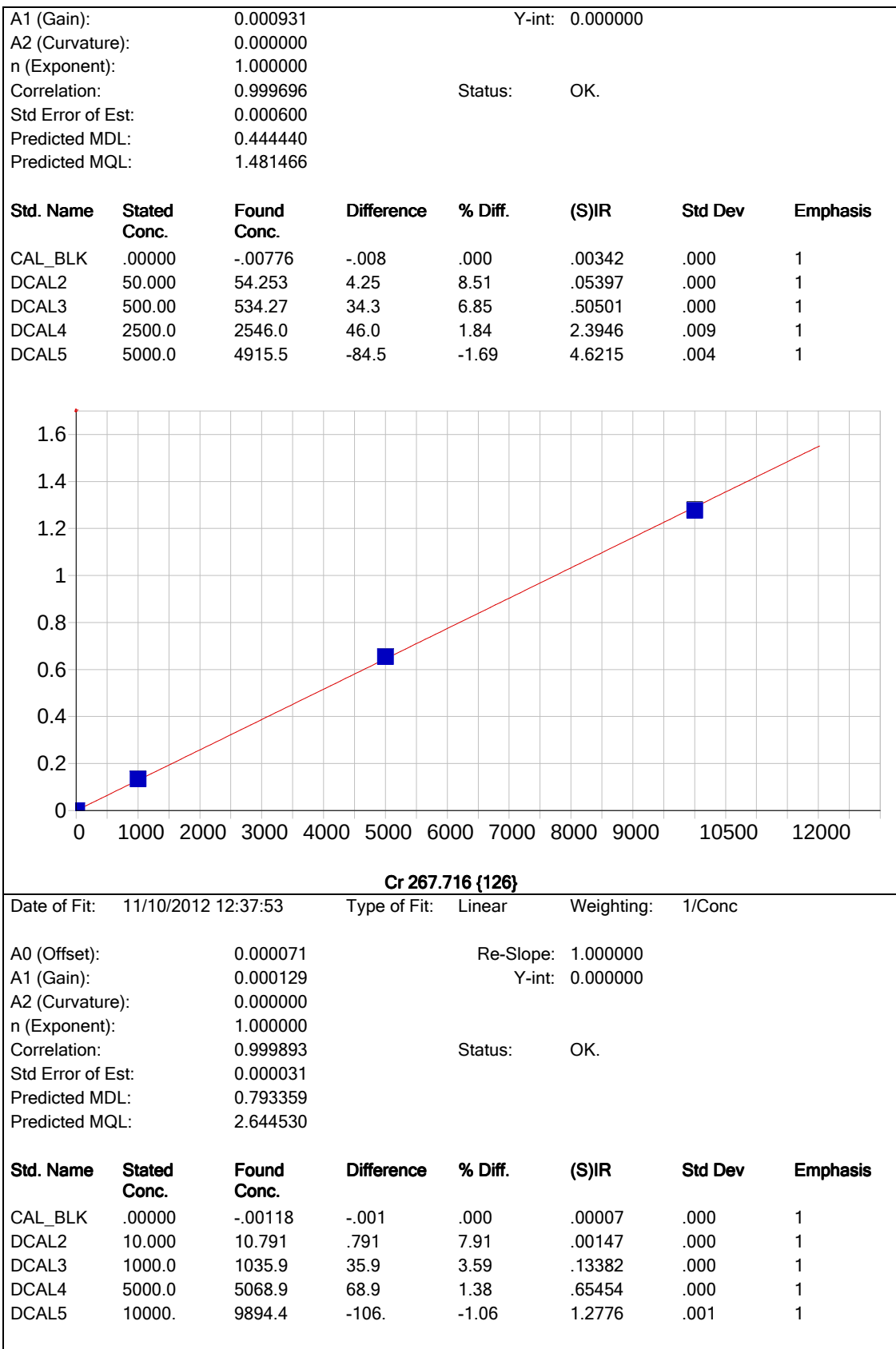
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00038	-.000	.000	-.00039	.000	1
DCAL2	4.0000	4.1834	.183	4.58	.00462	.000	1
DCAL3	250.00	262.47	12.5	4.99	.31584	.001	1
DCAL4	1250.0	1262.0	12.0	.962	1.5207	.003	1
DCAL5	2500.0	2475.3	-24.7	-.987	2.9837	.009	1

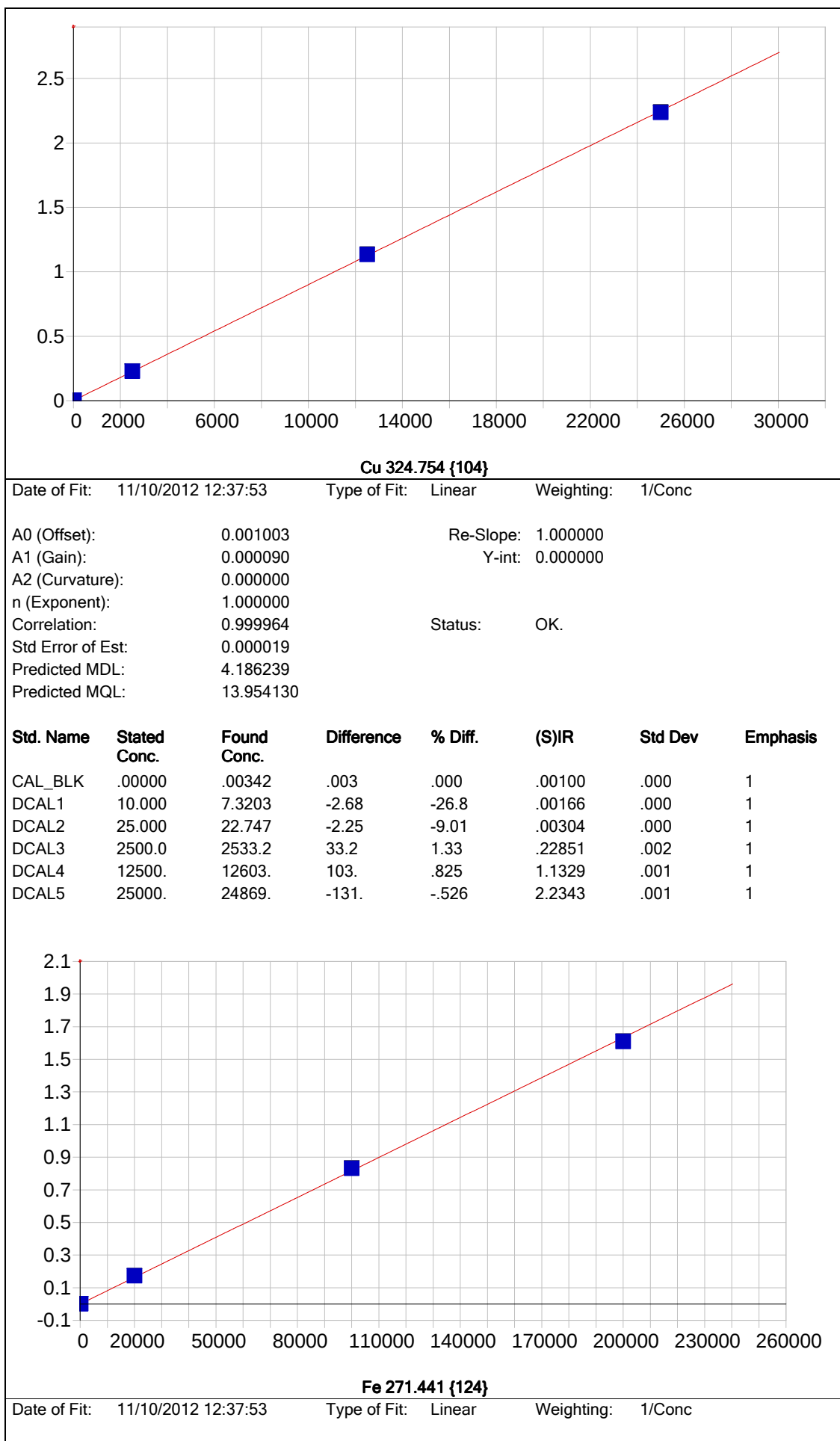


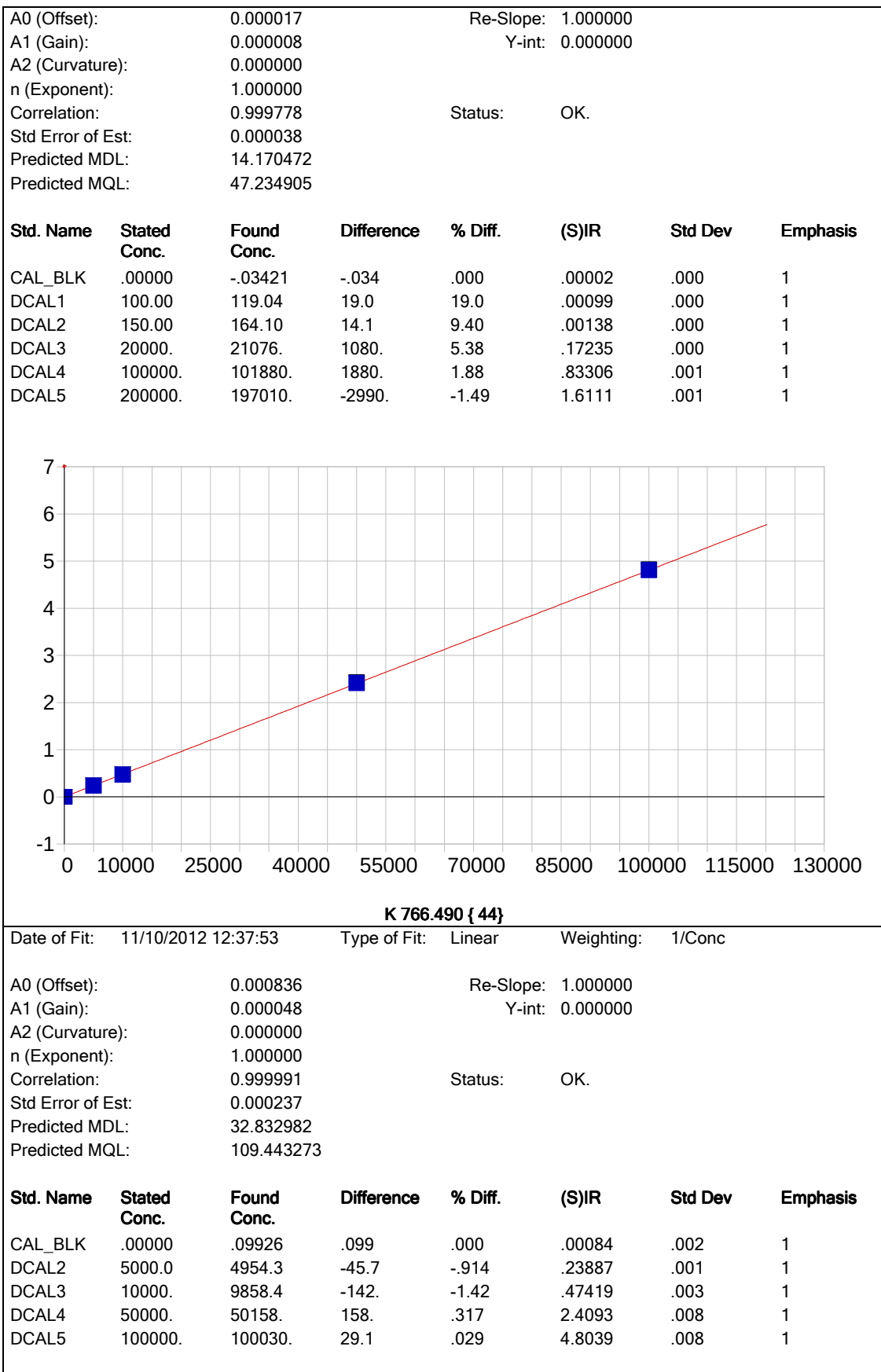
Co 228.616 {447}

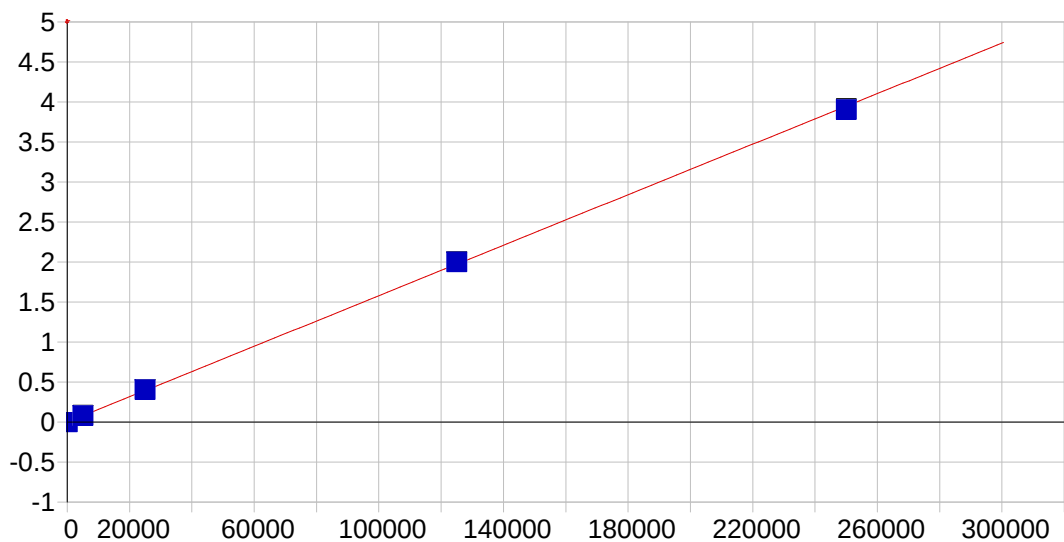
Date of Fit: 11/10/2012 12:37:53 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003431 Re-Slope: 1.000000







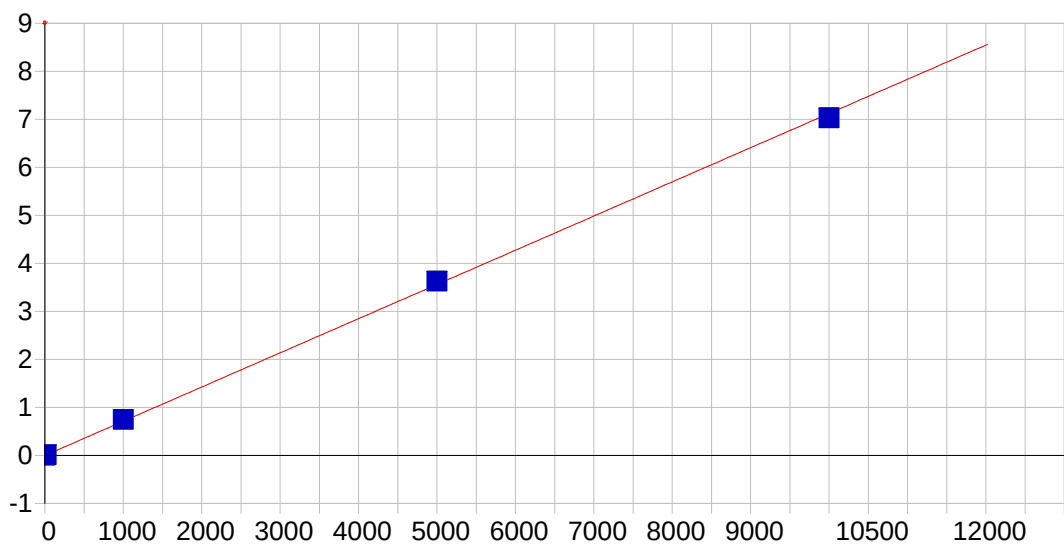


Mg 279.079 {121}

Date of Fit: 11/10/2012 12:37:53 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000027 Re-Slope: 1.000000
 A1 (Gain): 0.000016 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999908 Status: OK.
 Std Error of Est: 0.000392
 Predicted MDL: 6.913973
 Predicted MQL: 23.046578

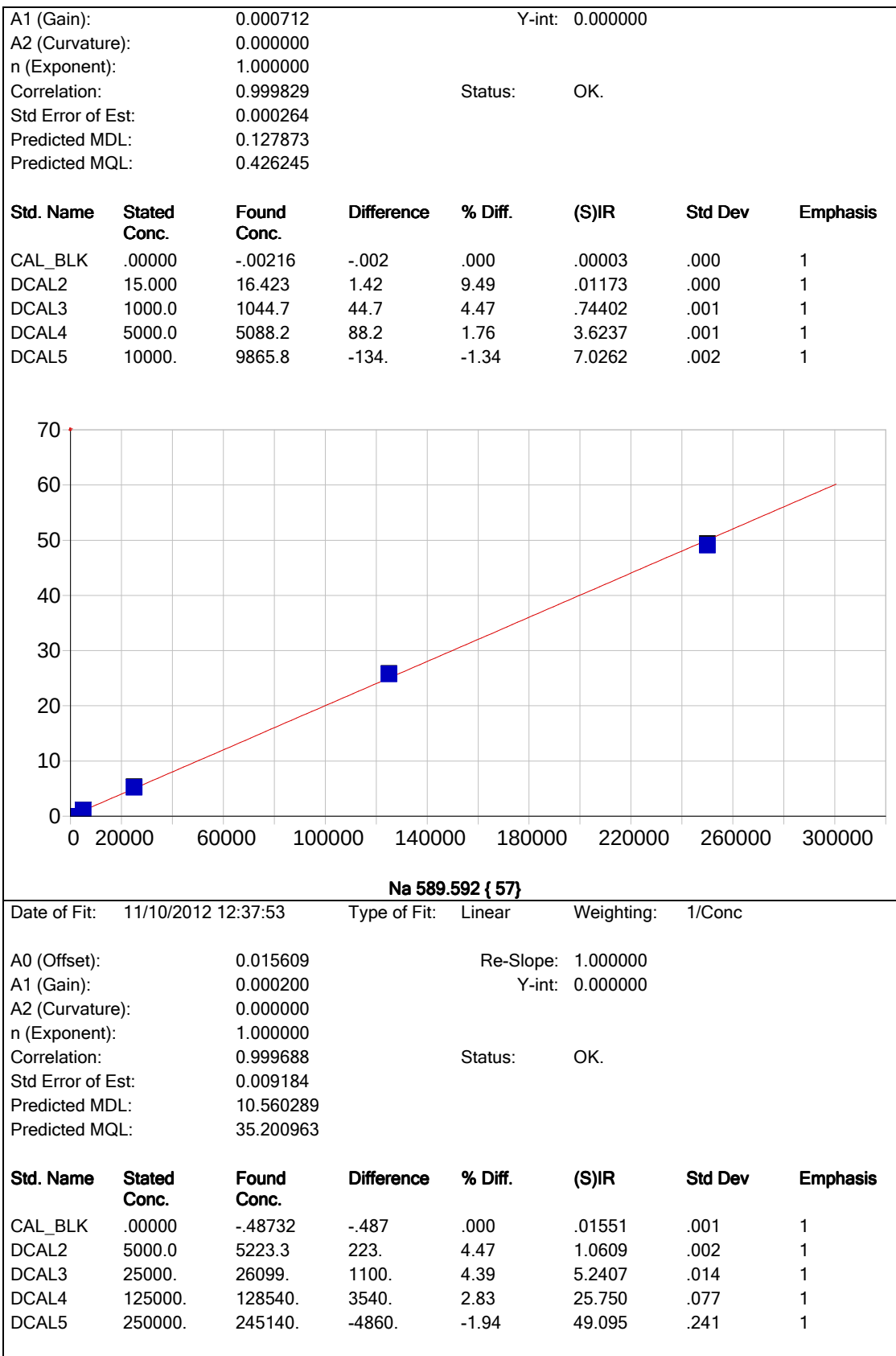
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.33420	-.334	.000	-.00003	.000	1
DCAL2	5000.0	5192.9	193.	3.86	.08195	.000	1
DCAL3	25000.	25609.	609.	2.44	.40415	.001	1
DCAL4	125000.	126770.	1770.	1.42	2.0008	.004	1
DCAL5	250000.	247420.	-2580.	-1.03	3.9048	.006	1

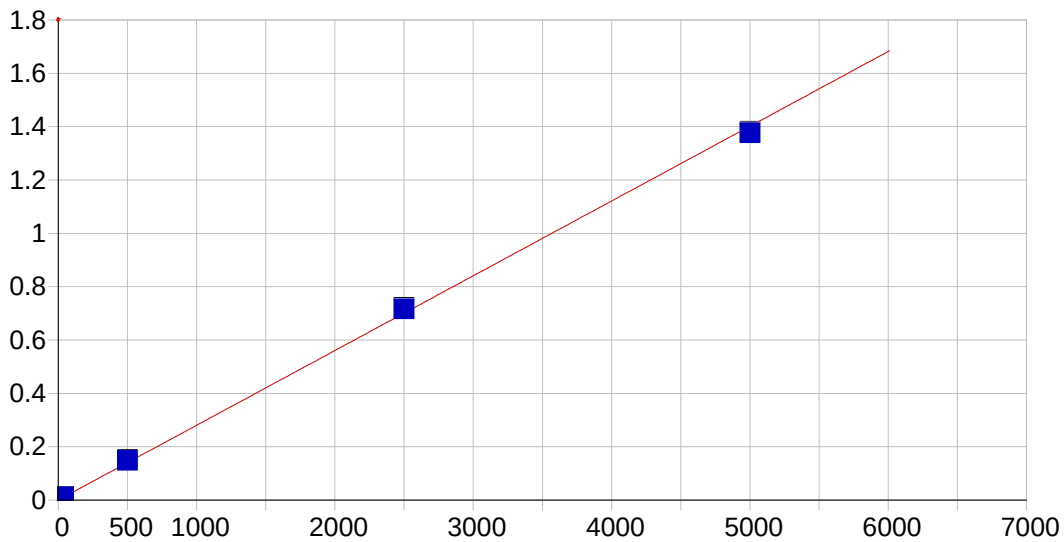


Mn 257.610 {131}

Date of Fit: 11/10/2012 12:37:53 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000033 Re-Slope: 1.000000



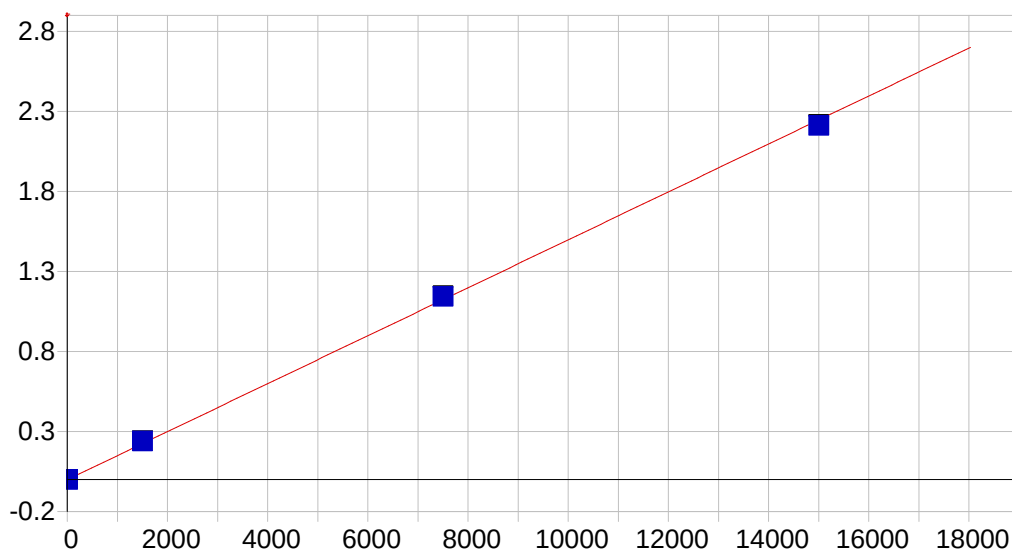


Ni 231.604 {446}

Date of Fit: 11/10/2012 12:37:54 Type of Fit: Linear Weighting: 1/Conc

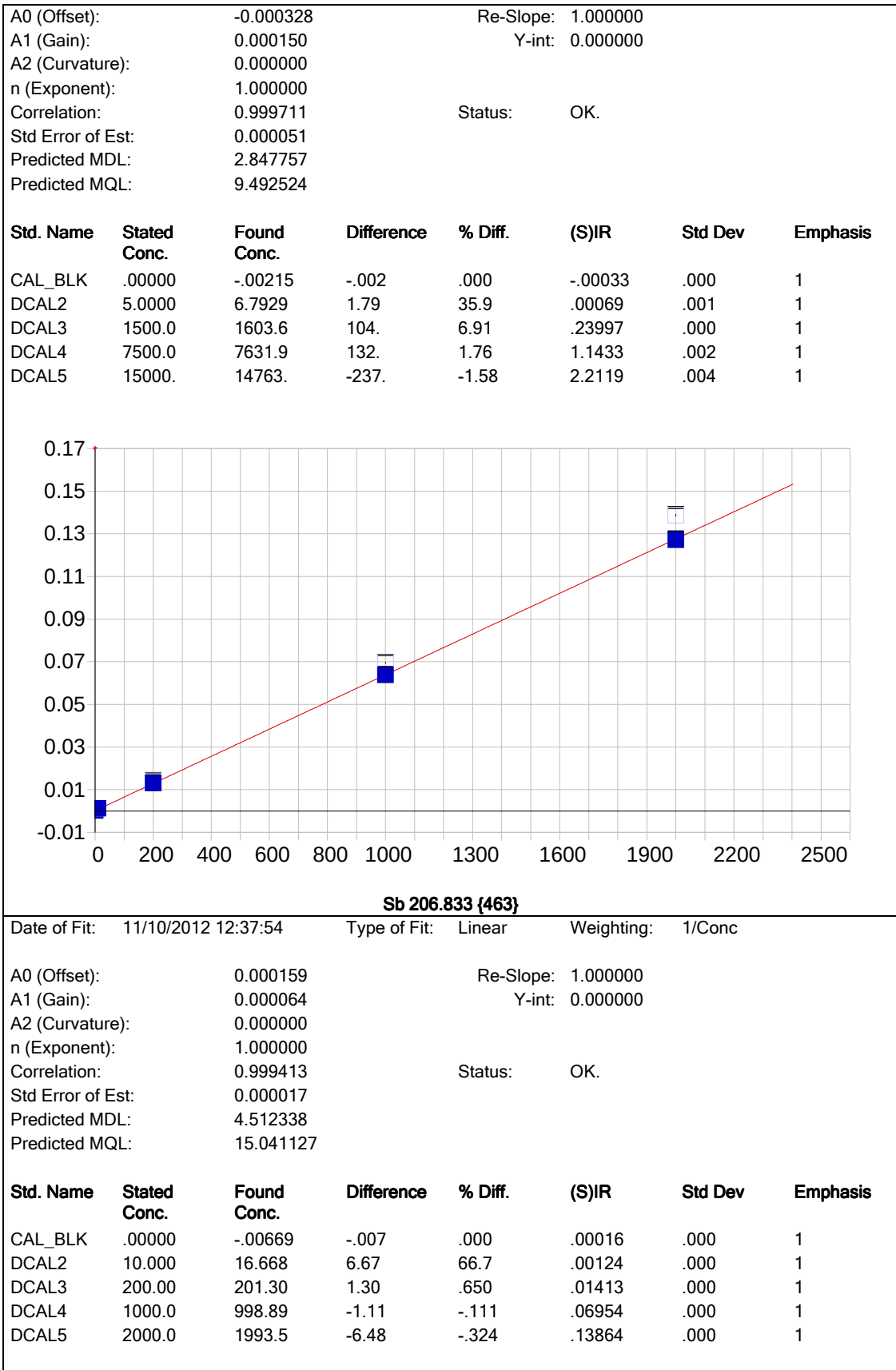
A0 (Offset): 0.000255 Re-Slope: 1.000000
 A1 (Gain): 0.000280 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999678 Status: OK.
 Std Error of Est: 0.000078
 Predicted MDL: 1.136206
 Predicted MQL: 3.787353

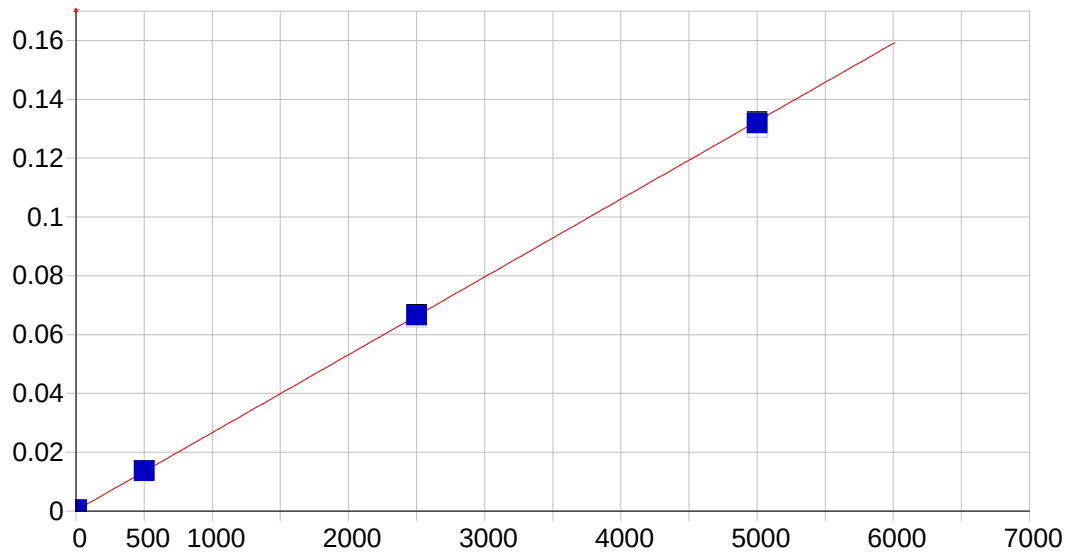
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00240	-.002	.000	.00025	.000	1
DCAL1	10.000	10.877	.877	8.77	.00330	.000	1
DCAL2	40.000	43.487	3.49	8.72	.01245	.000	1
DCAL3	500.00	530.60	30.6	6.12	.14937	.001	1
DCAL4	2500.0	2556.6	56.6	2.26	.71880	.003	1
DCAL5	5000.0	4908.4	-91.6	-1.83	1.3800	.002	1



Pb 220.353 {453}

Date of Fit: 11/10/2012 12:37:54 Type of Fit: Linear Weighting: 1/Conc



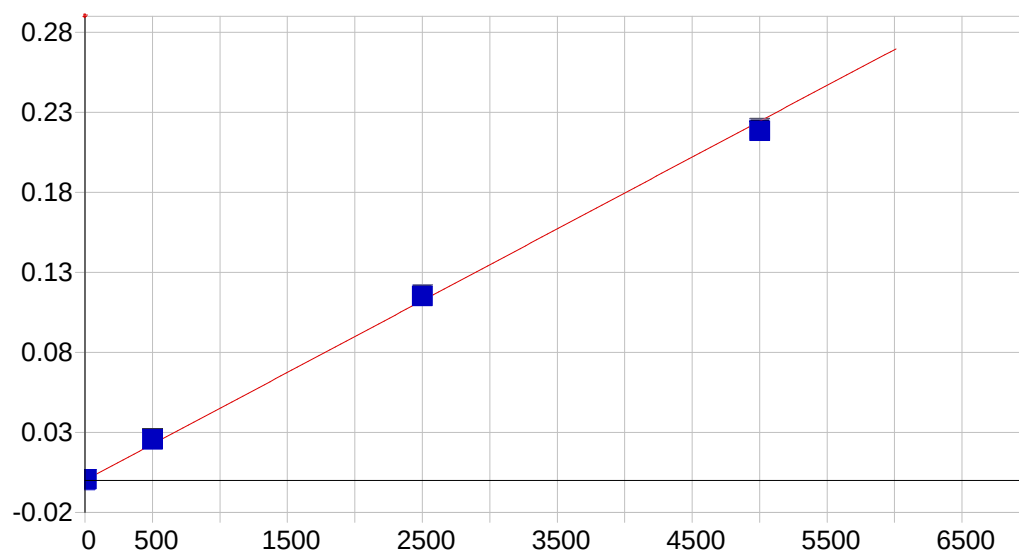


Se 196.090 {472}

Date of Fit: 11/10/2012 12:37:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000216 Re-Slope: 1.000000
 A1 (Gain): 0.000026 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999921 Status: OK.
 Std Error of Est: 0.000003
 Predicted MDL: 6.737845
 Predicted MQL: 22.459482

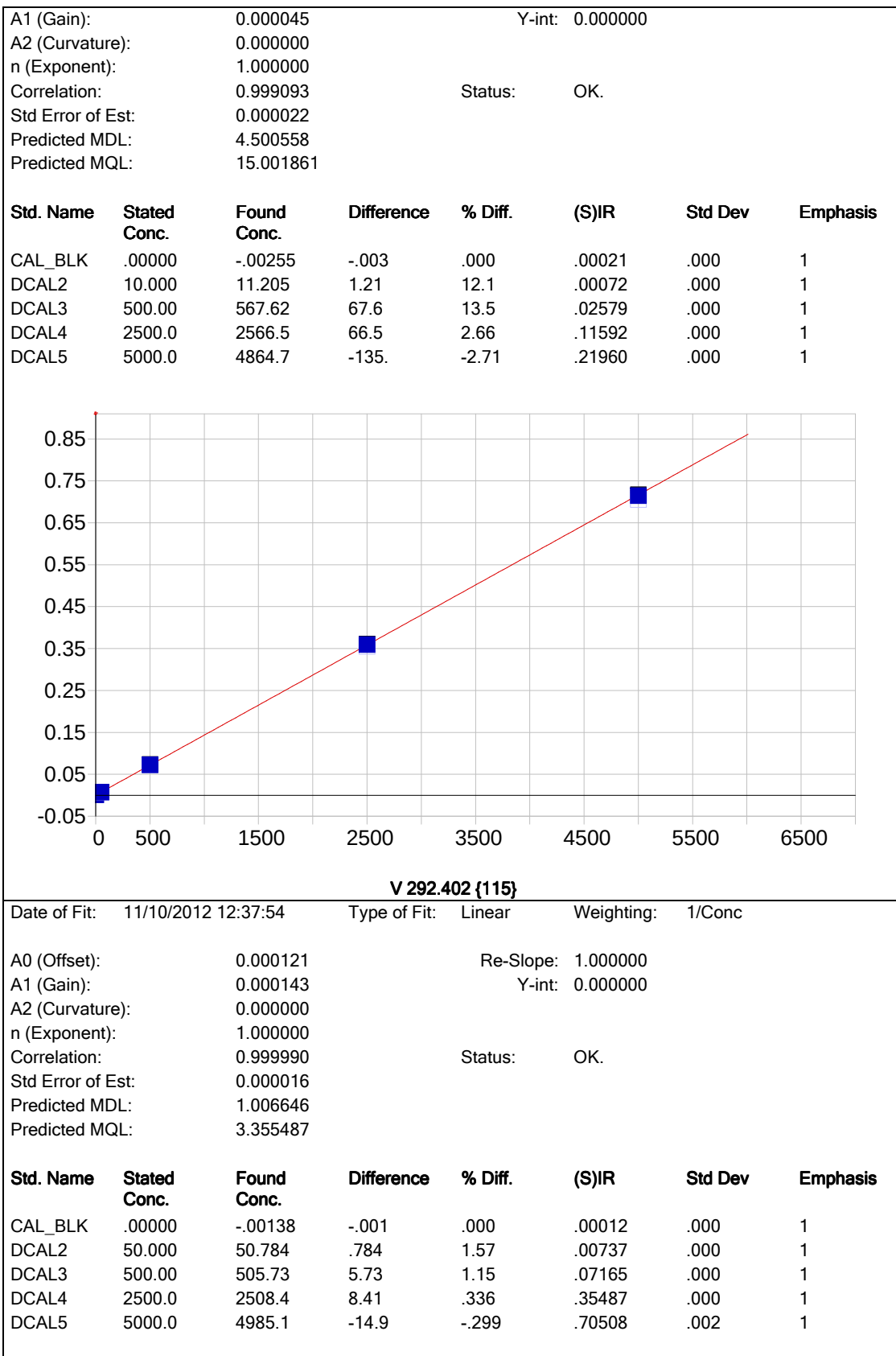
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00223	-.002	.000	.00022	.000	1
DCAL2	5.0000	7.1304	2.13	42.6	.00040	.000	1
DCAL3	500.00	509.68	9.68	1.94	.01355	.000	1
DCAL4	2500.0	2510.2	10.2	.406	.06588	.000	1
DCAL5	5000.0	4978.1	-21.9	-.437	.13043	.000	1

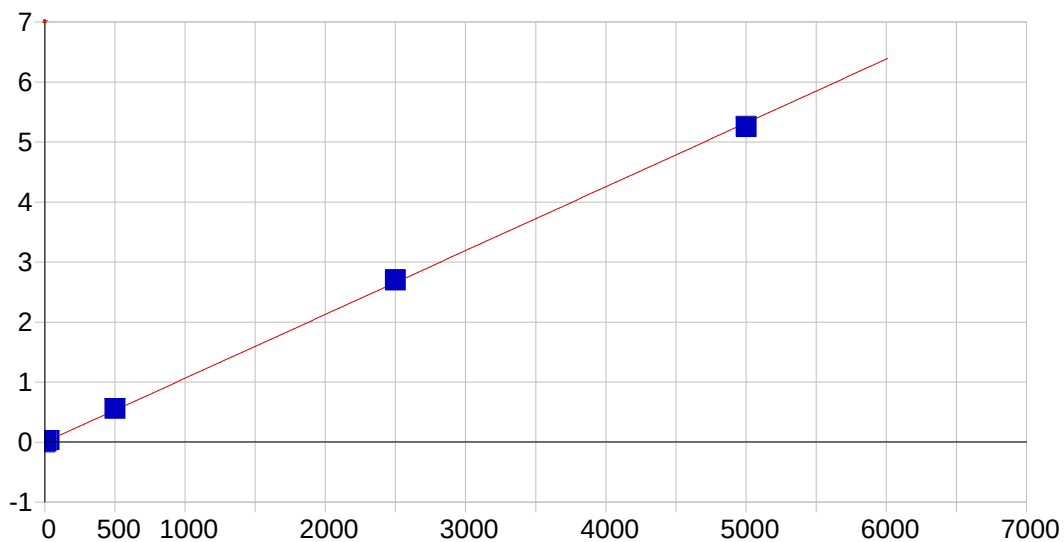


TI 190.856 {477}

Date of Fit: 11/10/2012 12:37:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000211 Re-Slope: 1.000000



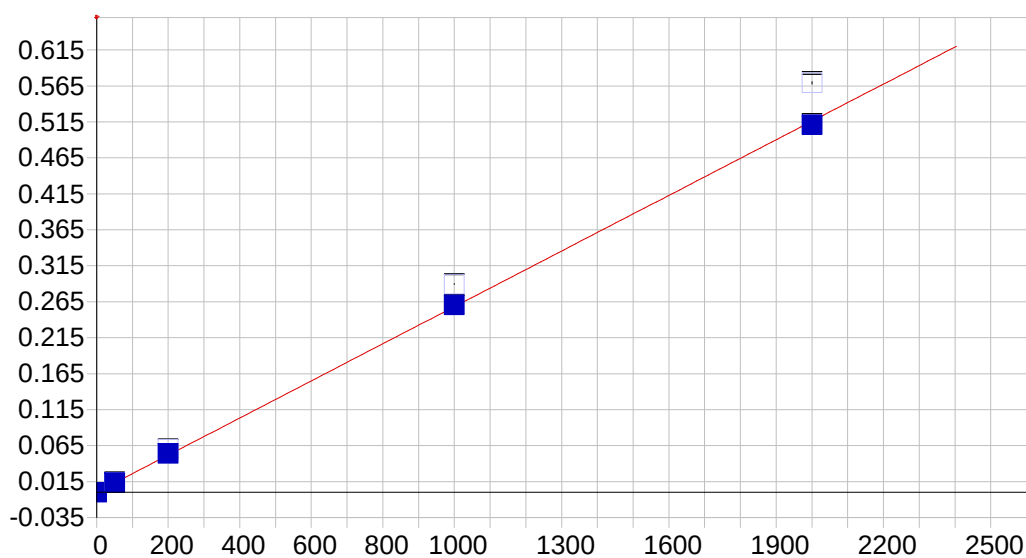


Zn 206.200 {463}

Date of Fit: 11/10/2012 12:37:54 Type of Fit: Linear Weighting: 1/Conc

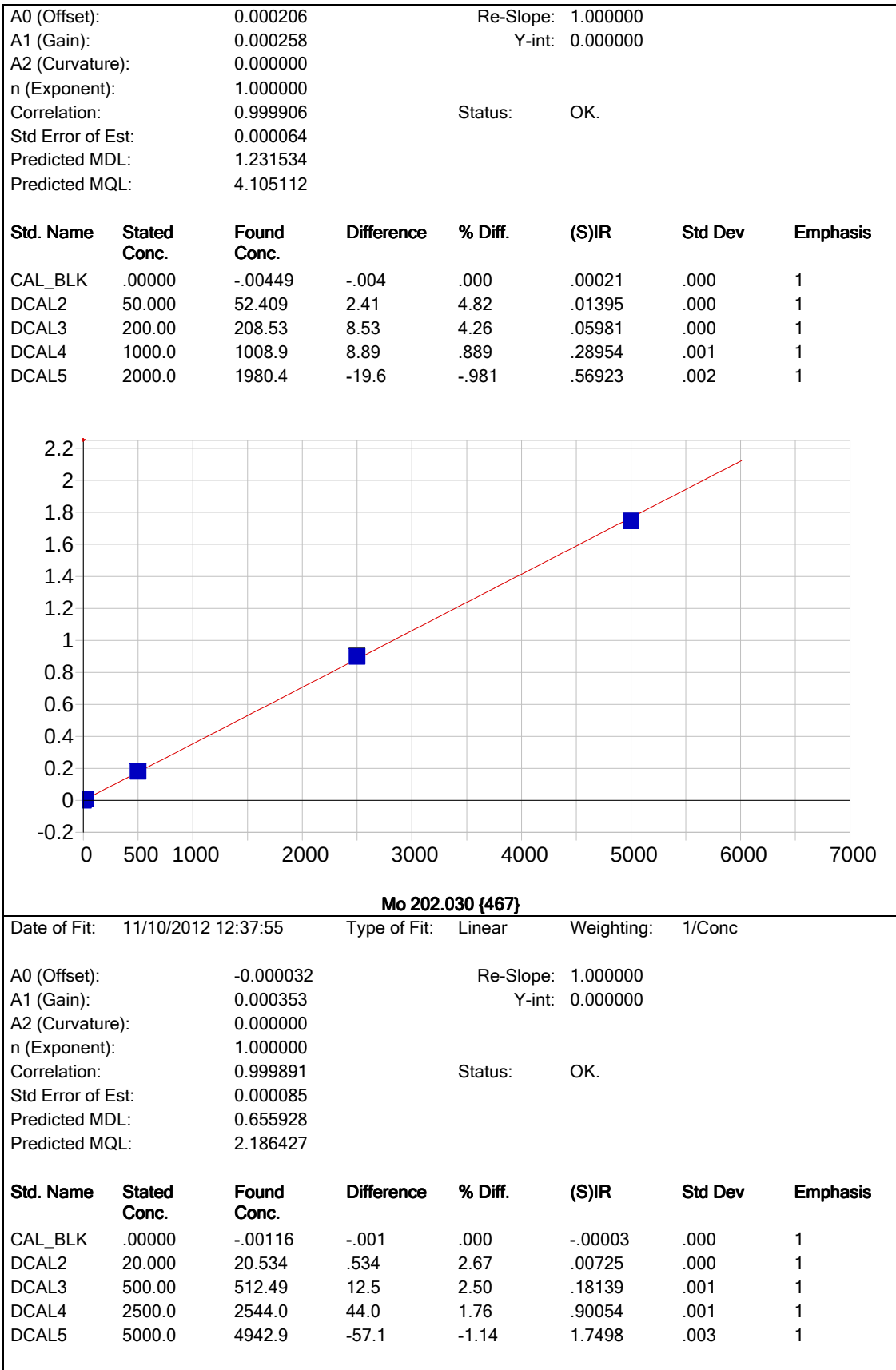
A0 (Offset): -0.000012 Re-Slope: 1.000000
 A1 (Gain): 0.001063 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999838 Status: OK.
 Std Error of Est: 0.000210
 Predicted MDL: 0.279998
 Predicted MQL: 0.933326

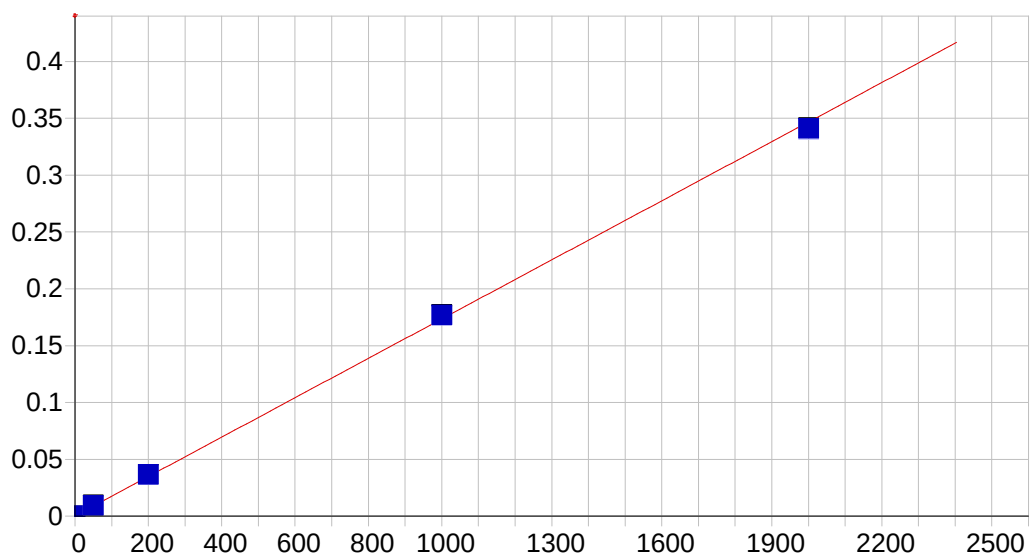
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00205	-.002	.000	-.00001	.000	1
DCAL2	30.000	31.839	1.84	6.13	.03385	.000	1
DCAL3	500.00	523.93	23.9	4.79	.55735	.000	1
DCAL4	2500.0	2535.2	35.2	1.41	2.6969	.005	1
DCAL5	5000.0	4938.1	-61.9	-1.24	5.2532	.006	1
DCAL1	10.000	10.945	.945	9.45	.01163	.000	1



B 208.959 {461}

Date of Fit: 11/10/2012 12:37:55 Type of Fit: Linear Weighting: 1/Conc



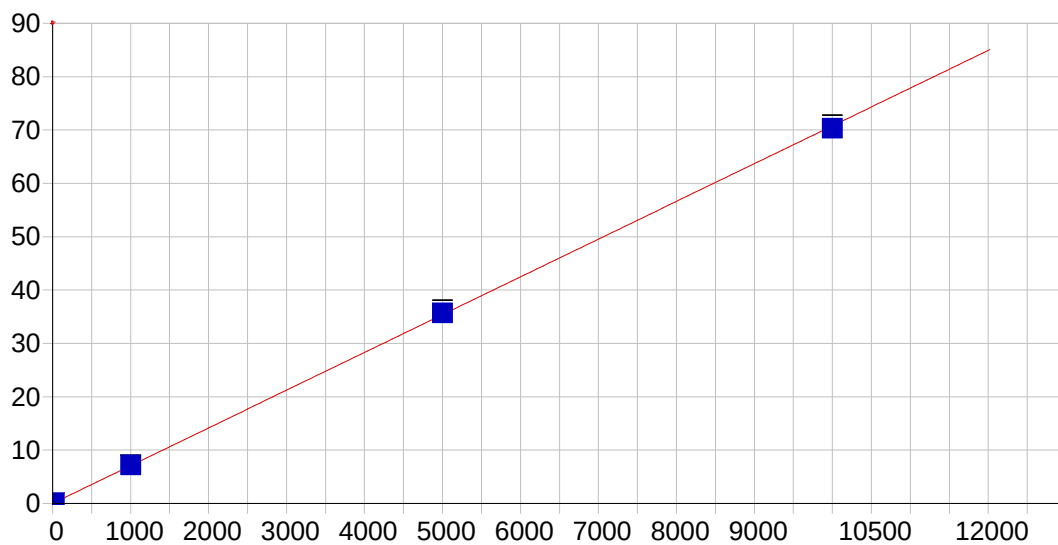


Sn 189.989 {477}

Date of Fit: 11/10/2012 12:37:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000173 Re-Slope: 1.000000
 A1 (Gain): 0.000173 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999748 Status: OK.
 Std Error of Est: 0.000064
 Predicted MDL: 1.194446
 Predicted MQL: 3.981487

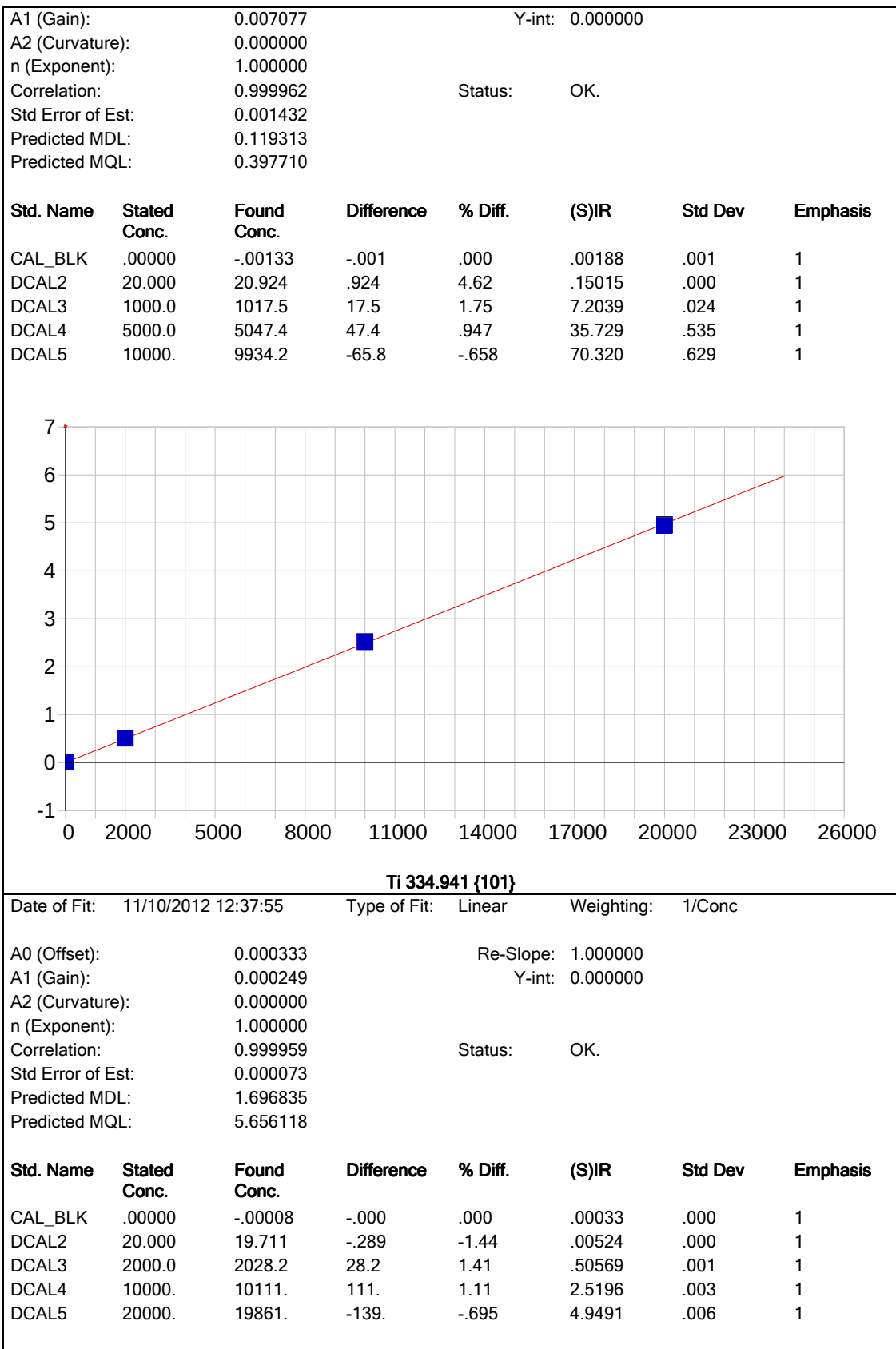
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00569	-.006	.000	.00017	.000	1
DCAL2	50.000	53.041	3.04	6.08	.00937	.000	1
DCAL3	200.00	209.87	9.87	4.94	.03645	.000	1
DCAL4	1000.0	1020.2	20.2	2.02	.17651	.001	1
DCAL5	2000.0	1966.9	-33.1	-1.66	.34009	.001	1

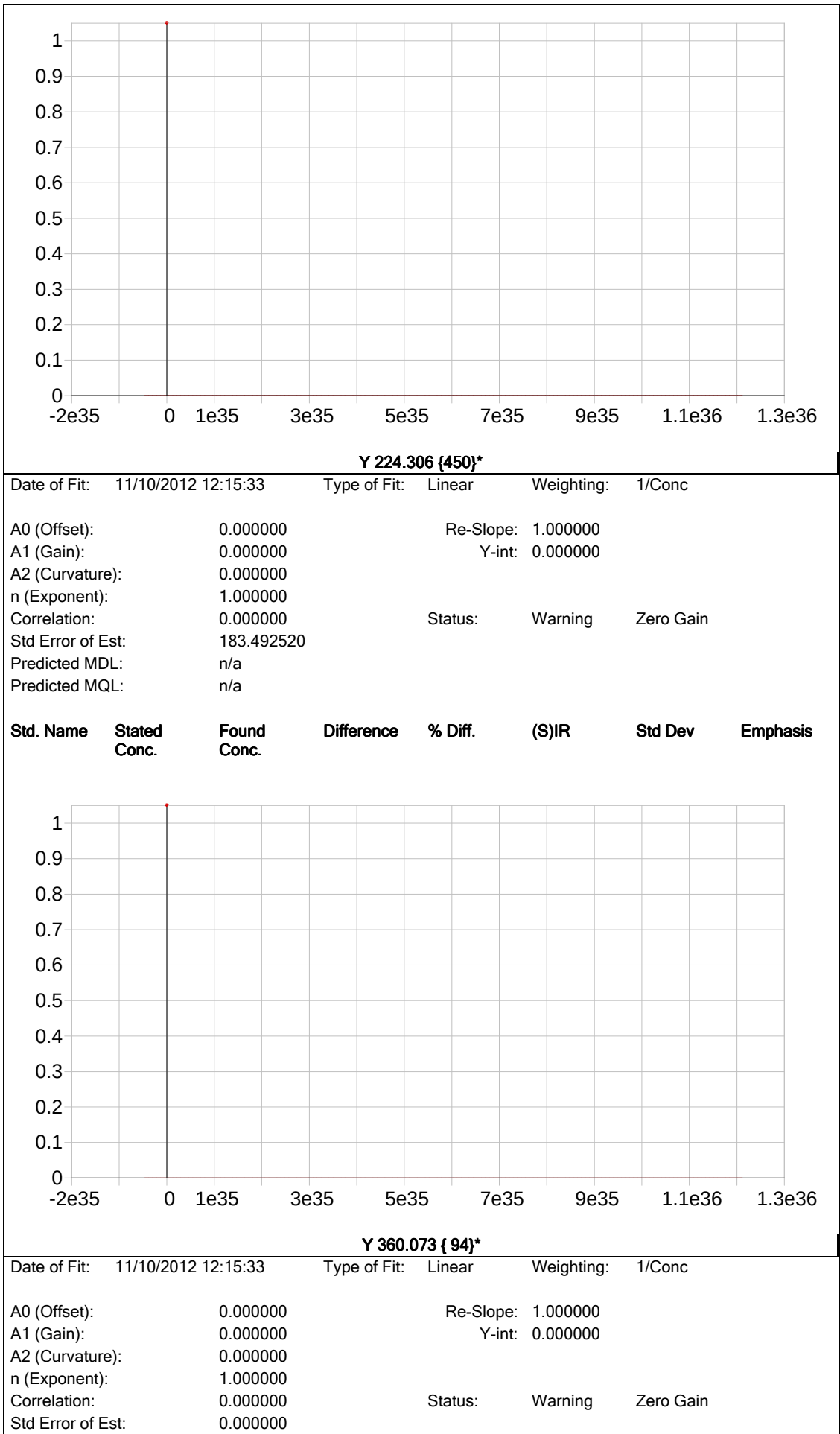


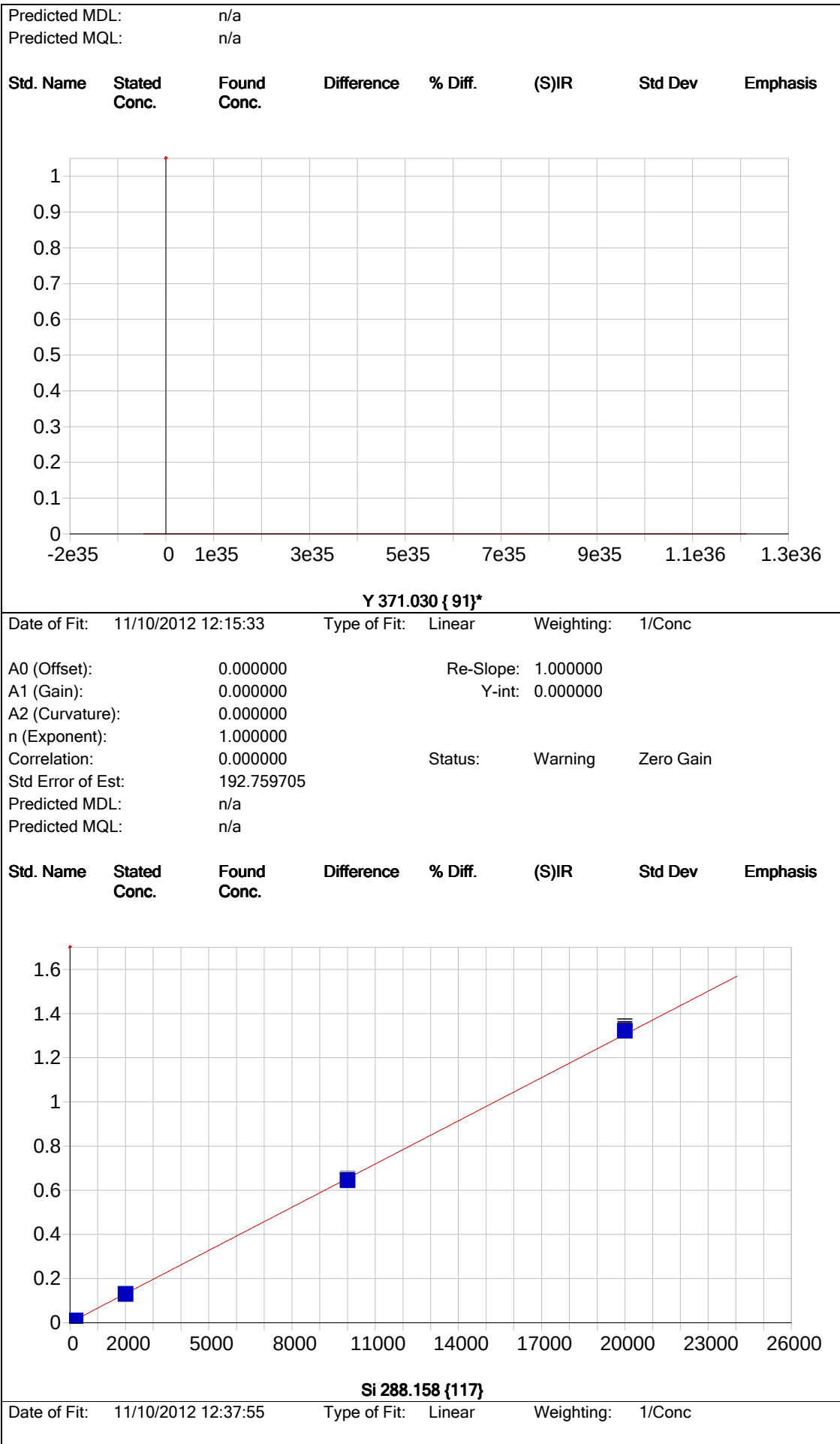
Sr 407.771 {83}

Date of Fit: 11/10/2012 12:37:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001886 Re-Slope: 1.000000







A0 (Offset):	0.001540	Re-Slope:	1.000000
A1 (Gain):	0.000065	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999731	Status:	OK.
Std Error of Est:	0.000158		
Predicted MDL:	19.144809		
Predicted MQL:	63.816032		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.05331	.053	.000	.00154	.001	1
DCAL2	200.00	151.66	-48.3	-24.2	.01144	.001	1
DCAL3	2000.0	1955.6	-44.4	-2.22	.13023	.001	1
DCAL4	10000.	9854.0	-146.	-1.46	.64992	.001	1
DCAL5	20000.	20238.	238.	1.19	1.3329	.009	1

Sample Name: CAL_BLK Acquired: 11/10/2012 12:16:13 Type: Cal
Method: CW846_111012(v3) 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	-.0037	.0001	-.0002	-.0001	-.0002	-.0011
Stddev	.0015	.0003	.0002	.0001	.0003	.0007
%RSD	40.99	394.7	76.00	54.83	165.4	63.73

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	-.0004	.0034	.0001	.0010	.0000	.0008
Stddev	.0001	.0002	.0000	.0003	.0001	.0016
%RSD	27.33	5.127	37.55	30.20	779.2	193.2

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	.0000	.0155	.0003	-.0003	.0002
Stddev	.0001	.0001	.0010	.0002	.0004	.0002
%RSD	207.6	302.0	6.415	62.39	113.9	116.5

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	.0002	.0001	-.0000	.0002	-.0000
Stddev	.0000	.0002	.0001	.0002	.0003	.0001
%RSD	14.67	113.5	119.5	1223.	122.9	220.9

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	.0019	.0003	.0015
Stddev	.0001	.0005	.0004	.0015
%RSD	68.57	28.03	114.6	96.99

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2513.7	32109.	8632.1
Stddev	3.3	108.	27.3
%RSD	.13173	.33664	.31663

Sample Name: DCAL1 Acquired: 11/10/2012 12:19:55 Type: Cal
Method: CW846_111012(v3) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu3247	Fe2714	Ni2316	Zn2062
Line	324.754 {104}	271.441 {124}	231.604 {446}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0017	.0010	.0033	.0116
Stddev	.0001	.0000	.0001	.0001
%RSD	5.425	4.233	3.255	1.044

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2496.7	31975.	8505.5
Stddev	8.5	55.	63.4
%RSD	.34153	.17342	.74554

Sample Name: DCAL2 Acquired: 11/10/2012 12:23:38 Type: Cal
Method: CW846_111012(v3) 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	.0076	.0003	.0013	.1167	.0068	.2799
Stddev	.0002	.0002	.0001	.0003	.0003	.0026
%RSD	2.623	52.23	11.38	.2901	4.731	.9406

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	.0046	.0540	.0015	.0030	.0014	.2389
Stddev	.0002	.0003	.0001	.0002	.0001	.0012
%RSD	4.890	.5141	5.380	6.279	4.631	.5115

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	.0819	.0117	1.061	.0124	.0007	.0012
Stddev	.0003	.0000	.002	.0003	.0006	.0002
%RSD	.4198	.2305	.1813	2.094	82.61	17.13

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0004	.0007	.0074	.0339	.0139	.0072
Stddev	.0000	.0001	.0002	.0002	.0003	.0001
%RSD	10.17	11.42	2.559	.6848	2.508	1.924

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	.0094	.1502	.0052	.0114
Stddev	.0003	.0002	.0002	.0010
%RSD	2.931	.1066	2.878	9.021

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2501.9	32032.	8628.9
Stddev	7.5	101.	31.3
%RSD	.29875	.31434	.36268

Sample Name: DCAL3 Acquired: 11/10/2012 12:27:20 Type: Cal
Method: CW846_111012(v3) 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	1.492	.0283	.0371	1.149	.6804	1.354
Stddev	.004	.0003	.0002	.001	.0016	.001
%RSD	.2480	.9386	.4281	.0756	.2312	.0513

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	.3158	.5050	.1338	.2285	.1723	.4742
Stddev	.0011	.0003	.0003	.0016	.0004	.0030
%RSD	.3600	.0502	.1896	.7072	.2216	.6260

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	.4041	.7440	5.241	.1494	.2400	.0141
Stddev	.0009	.0013	.014	.0006	.0003	.0002
%RSD	.2255	.1722	.2732	.4177	.1387	1.503

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	.0136	.0258	.0717	.5573	.0598	.1814
Stddev	.0000	.0004	.0002	.0003	.0002	.0008
%RSD	.0744	1.695	.2283	.0491	.3518	.4466

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	.0365	7.204	.5057	.1302
Stddev	.0001	.024	.0014	.0006
%RSD	.1981	.3362	.2743	.4547

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2450.6	30921.	8560.6
Stddev	4.1	134.	32.6
%RSD	.16669	.43220	.38087

Sample Name: DCAL4 Acquired: 11/10/2012 12:30:48 Type: Cal
Method: CW846_111012(v3) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.432	.1418	.1895	5.524	3.356	6.684
Stddev	.013	.0002	.0001	.013	.007	.041
%RSD	.1740	.1638	.0579	.2364	.1994	.6070

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	1.521	2.395	.6545	1.133	.8331	2.409
Stddev	.003	.009	.0003	.001	.0008	.008
%RSD	.1862	.3585	.0407	.1054	.0992	.3165

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	2.001	3.624	25.75	.7188	1.143	.0695
Stddev	.004	.001	.08	.0034	.003	.0003
%RSD	.1853	.0387	.2992	.4743	.2146	.3978

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0659	.1159	.3549	2.697	.2895	.9005
Stddev	.0002	.0001	.0002	.005	.0006	.0007
%RSD	.3518	.0857	.0563	.1857	.1997	.0774

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	.1765	35.73	2.520	.6499
Stddev	.0005	.53	.003	.0014
%RSD	.2992	1.496	.1200	.2152

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2305.3	28989.	8396.0
Stddev	7.5	40.	38.4
%RSD	.32685	.13734	.45693

Sample Name: DCAL5 Acquired: 11/10/2012 12:34:20 Type: Cal
Method: CW846_111012(v3) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	14.84	.2871	.3838	10.69	6.623	12.95
Stddev	.01	.0016	.0010	.01	.006	.03
%RSD	.0605	.5430	.2549	.1047	.0946	.2160

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	2.984	4.622	1.278	2.234	1.611	4.804
Stddev	.009	.004	.002	.001	.001	.008
%RSD	.2956	.0942	.1152	.0586	.0328	.1626

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	3.905	7.026	49.09	1.380	2.212	.1386
Stddev	.006	.002	.24	.002	.004	.0005
%RSD	.1616	.0341	.4916	.1566	.1718	.3481

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	.1304	.2196	.7051	5.253	.5692	1.750
Stddev	.0004	.0005	.0021	.006	.0018	.003
%RSD	.2919	.2249	.2961	.1093	.3173	.1545

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	.3401	70.32	4.949	1.333
Stddev	.0006	.63	.006	.009
%RSD	.1852	.8951	.1230	.6643

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2222.8	28007.	8348.6
Stddev	4.9	153.	66.8
%RSD	.22142	.54761	.79991

Sample Name: ICV Acquired: 11/10/2012 12:38:00 Type: QC
Method: CW846_111012(v3) 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	124100.	2491.	1239.	10100.	996.1	127600.
Stddev	309.	19.	5.	32.	.4	583.
%RSD	.2493	.7528	.3649	.3191	.0372	.4571

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	1257.	2530.	5041.	12480.	101100.	49990.
Stddev	2.	12.	4.	41.	272.	176.
%RSD	.1364	.4693	.0877	.3288	.2691	.3516

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	125200.	5074.	127400.	2542.	7647.	991.7
Stddev	544.	10.	324.	18.	16.	6.5
%RSD	.4342	.2022	.2540	.7134	.2132	.6533

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2492.	2550.	2494.	2507.	996.4	2512.
Stddev	28.	7.	9.	9.	2.9	9.
%RSD	1.113	.2725	.3555	.3769	.2881	.3714

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

Sample Name: ICV Acquired: 11/10/2012 12:38:00 Type: QC
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1008.	5018.	9975.	9907.
Stddev	8.	81.	40.	90.
%RSD	.8126	1.613	.4016	.9134

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	2329.0	29356.	8496.1
Stddev	9.3	55.	61.5
%RSD	.39982	.18761	.72437

Sample Name: ICB Acquired: 11/10/2012 12:41:33 Type: QC
Method: CW846_111012(v3) 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	-19.45	-2.057	-.3523	.5107	-.0330	110.7
Stddev	5.48	1.705	.3508	.9982	.1673	45.3
%RSD	28.16	82.86	99.58	195.4	506.8	40.87

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	-.0235	.6626	.1888	2.389	15.03	83.07
Stddev	.2129	.4101	1.123	1.099	8.63	74.94
%RSD	905.3	61.89	595.0	45.99	57.43	90.21

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	12.72	.5421	-7.273	.1811	1.734	2.949
Stddev	9.33	.3312	44.38	1.035	2.265	3.646
%RSD	73.35	61.09	610.3	571.7	130.6	123.6

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3708	4.592	1.278	2.270	2.303	.7205
Stddev	1.374	2.681	.860	.193	.030	.4490
%RSD	370.5	58.38	67.28	8.488	1.321	62.31

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

Sample Name: ICB Acquired: 11/10/2012 12:41:33 Type: QC
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.133	.5641	.7844	-15.62
Stddev	.680	.3764	.8240	12.12
%RSD	60.01	66.72	105.0	77.61

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	2525.2	32397.	8616.1
Stddev	11.3	64.	65.7
%RSD	.44937	.19848	.76219

Sample Name: IC5A 1817744 Acquired: 11/10/2012 12:45:17 Type: QC
Method: CW846_111012(v3) 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	500100.	-7.140	-.7457	-.3551	-.0587	445200.
Stddev	4633.	2.948	.4152	.3123	.0945	1849.
%RSD	.9264	41.29	55.68	87.93	161.0	.4154

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	3.447	-.6373	1.797	-2.731	196300.	205.5
Stddev	.421	.3246	.993	2.064	324.	46.8
%RSD	12.21	50.94	55.24	75.57	.1652	22.78

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	501400.	.8315	15.51	-.5390	1.176	3.475
Stddev	500.	.1579	10.78	.5749	2.136	.552
%RSD	.0998	18.99	69.51	106.7	181.7	15.89

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.293	7.461	.4244	.1357	-1.543	-1.426
Stddev	9.044	2.010	.4512	.1147	1.155	1.199
%RSD	274.6	26.94	106.3	84.56	74.83	84.09

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

Sample Name: ICSEA 1817744 Acquired: 11/10/2012 12:45:17 Type: QC
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-2.094	-.0627	-3.115	-15.40
Stddev	2.355	.0046	2.657	18.97
%RSD	112.5	7.294	85.29	123.2

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	2233.1	27741.	8314.8
Stddev	11.1	70.	72.8
%RSD	.49560	.25101	.87523

Sample Name: ICSAB 1818548 Acquired: 11/10/2012 12:49:06 Type: QC
Method: CW846_111012(v3) 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	502000.	88.37	93.33	91.21	94.14	443800.
Stddev	1958.	6.15	.32	.27	.07	1193.
%RSD	.3900	6.960	.3405	.2912	.0740	.2689

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	98.72	91.90	95.71	91.96	197900.	10380.
Stddev	.59	.22	.43	2.04	943.	69.
%RSD	.5956	.2341	.4479	2.223	.4763	.6622

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	502700.	97.74	10670.	91.07	91.67	101.6
Stddev	2871.	.76	19.	.77	8.65	6.0
%RSD	.5712	.7725	.1794	.8404	9.432	5.951

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	91.41	93.36	94.18	93.26	88.20	91.30
Stddev	3.44	9.53	1.45	.32	1.27	.64
%RSD	3.768	10.21	1.540	.3444	1.439	.7027

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

Sample Name: ICSAB 1818548 Acquired: 11/10/2012 12:49:06 Type: QC
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	83.84	91.24	93.44	57.39
Stddev	1.08	.46	1.39	16.14
%RSD	1.283	.4996	1.484	28.11

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	2247.7	27929.	8446.4
Stddev	8.9	65.	51.4
%RSD	.39476	.23372	.60866

Sample Name: INT-10 1790436 Acquired: 11/10/2012 12:52:51 Type: QC
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	65.64	1.374	-5.142	5.223	-2.330	54.59
Stddev	47.71	4.557	.084	.183	.031	46.60
%RSD	72.68	331.6	1.633	3.499	1.334	85.36

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	.3137	10820.	9881.	-.0835	17.92	54.33
Stddev	.1961	19.	14.	1.029	7.14	29.30
%RSD	62.50	.1753	.1370	1232.	39.84	53.93

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	-4.505	10240.	-61.05	10900.	-1.250	3.165
Stddev	35.47	13.	14.04	15.	1.275	6.419
%RSD	787.3	.1236	23.00	.1394	102.0	202.8

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.841	1.594	4832.	-.0693	-29.32	5011.
Stddev	7.743	3.009	5.	.0806	.56	6.
%RSD	160.0	188.8	.1083	116.4	1.912	.1136

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

Sample Name: INT-10 1790436 Acquired: 11/10/2012 12:52:51 Type: QC
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10570.	9973.	9385.	9554.
Stddev	11.	123.	5.	93.
%RSD	.1084	1.233	.0499	.9751

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	2536.8	32758.	8892.8
Stddev	2.6	111.	104.8
%RSD	.10438	.33952	1.1783

Sample Name: 460-46670-f-2-a@4 Acquired: 11/10/2012 12:56:33 Type: Unk
Method: CW846_111012(v3) 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	31720.	9.362	-1.604	85.61	.7638	3651.
Stddev	120.	.759	1.010	.39	.1377	34.
%RSD	.3790	8.109	62.99	.4594	18.03	.9248

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	1.621	26.68	37.92	26.42	58170.	1756.
Stddev	.111	.46	.69	2.95	169.	22.
%RSD	6.856	1.717	1.831	11.15	.2896	1.228

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	7236.	3151.	149.8	43.22	35.41	6.048
Stddev	24.	9.	5.9	.47	2.31	2.186
%RSD	.3272	.2805	3.949	1.097	6.527	36.14

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5710	-3.014	65.90	96.33	8.755	1.212
Stddev	2.103	3.793	.16	.25	.846	.155
%RSD	368.3	125.9	.2440	.2599	9.664	12.80

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

Sample Name: 460-46670-f-2-a@4 Acquired: 11/10/2012 12:56:33 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1651	29.10	823.1	1317.
Stddev	.1716	.67	1.9	14.
%RSD	103.9	2.305	.2319	1.050

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	2586.9	32990.	9027.2
Stddev	5.1	53.	39.2
%RSD	.19756	.15969	.43392

Sample Name: 460-46681-e-1-a@4 Acquired: 11/10/2012 13:00:12 Type: Unk
Method: CW846_111012(v3) 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	56550.	18.20	-1.123	530.7	2.678	9717.
Stddev	233.	2.19	.903	1.2	.120	16.
%RSD	.4124	12.05	80.45	.2178	4.490	.1600

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	3.487	41.32	154.8	81.19	96980.	6661.
Stddev	.299	.29	.6	2.97	191.	46.
%RSD	8.585	.6917	.3904	3.664	.1964	.6947

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	20030.	1405.	557.8	95.07	204.4	3.044
Stddev	90.	3.	3.5	.42	.8	1.471
%RSD	.4501	.2210	.6222	.4417	.3796	48.31

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -13.00	-6.328	131.2	390.6	21.40	.3927
Stddev	4.01	2.674	1.4	.2	1.00	.2948
%RSD	30.81	42.26	1.084	.0605	4.654	75.08

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5000.					
Low Limit	-10.00					

Sample Name: 460-46681-e-1-a@4 Acquired: 11/10/2012 13:00:12 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	96.70	75.76	2131.	1717.
Stddev	.31	.15	12.	20.
%RSD	.3205	.2037	.5659	1.141

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	2683.1	34034.	9490.5
Stddev	15.1	83.	39.7
%RSD	.56229	.24376	.41865

Sample Name: lcssrm 460-134594/2- Acquired: 11/10/2012 13:03:49 Type: QC
Method: CW846_111012(v3) 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	30460.	797.7	205.1	1051.	541.8	35000.
Stddev	55.	4.8	.7	.	.6	95.
%RSD	.1790	.6001	.3573	.0248	.1148	.2727

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	528.1	705.0	596.5	585.4	59430.	13010.
Stddev	1.8	.4	1.8	3.8	236.	36.
%RSD	.3360	.0630	.2956	.6530	.3974	.2742

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	12070.	1789.	1518.	377.4	390.0	998.2
Stddev	31.	2.	4.	.7	2.0	3.1
%RSD	.2573	.1073	.2604	.1786	.5045	.3118

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	611.8	1143.	424.4	1383.	419.1	347.3
Stddev	3.7	6.	.9	3.	1.4	1.5
%RSD	.6083	.5235	.2141	.2319	.3225	.4375

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

Sample Name: lcssrm 460-134594/2- Acquired: 11/10/2012 13:03:49 Type: QC
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	727.4	647.9	775.1	1847.
Stddev	4.3	.5	2.8	3.
%RSD	.5906	.0822	.3633	.1876

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2624.6	33305.	9316.5
Stddev	5.6	111.	70.7
%RSD	.21148	.33415	.75870

Sample Name: 460-46829-h-1-d Acquired: 11/10/2012 13:07:20 Type: Unk
Method: CW846_111012(v3) 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	88.93	2.837	-1.199	106.2	-.0502	F 286800.
Stddev	9.21	1.345	.926	.7	.0580	873.
%RSD	10.35	47.40	77.24	.6351	115.5	.3042

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0218	4.560	-2.640	3.484	148.2	58810.
Stddev	.2313	.168	.595	2.083	11.9	226.
%RSD	1060.	3.683	22.54	59.77	8.055	.3848

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	195400.	1483.	F 1205000.	26.23	6.185	2.043
Stddev	1863.	6.	37750.	.89	.878	5.482
%RSD	.9535	.3894	3.133	3.393	14.20	268.3

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.40	-2.664	2.413	328.7	709.3	7.863
Stddev	6.36	7.223	1.008	1.3	3.2	.951
%RSD	55.86	271.2	41.77	.4011	.4455	12.09

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

Sample Name: 460-46829-h-1-d Acquired: 11/10/2012 13:07:20 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-9809	3111.	18.34	14990.
Stddev	.7549	7.	.44	199.
%RSD	76.96	.2363	2.372	1.326

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	2126.7	26190.	8385.7
Stddev	4.5	142.	111.3
%RSD	.21287	.54095	1.3268

Sample Name: 460-46829-h-3-b Acquired: 11/10/2012 13:11:07 Type: Unk
Method: CW846_111012(v3) 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	348.4	35.29	-1.478	455.7	-.2745	206900.
Stddev	15.1	1.21	1.284	1.2	.0784	465.
%RSD	4.344	3.430	86.90	.2527	28.56	.2249

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	.2985	.3946	-.1625	4.279	17520.	63080.
Stddev	.3588	.3826	1.016	4.834	39.	246.
%RSD	120.2	96.96	625.1	113.0	.2225	.3896

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	213900.	931.9	F 1180000.	3.358	13.79	-.3423
Stddev	343.	1.8	13350.	.364	3.93	6.478
%RSD	.1603	.1948	1.131	10.84	28.53	1893.

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.72	-.7777	8.433	1121.	782.7	1.294
Stddev	1.95	2.527	.641	6.	2.0	.686
%RSD	16.61	325.0	7.603	.4967	.2584	52.99

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

Sample Name: 460-46829-h-3-b Acquired: 11/10/2012 13:11:07 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.993	2034.	24.59	15620.
Stddev	1.006	7.	1.19	194.
%RSD	50.50	.3644	4.859	1.239

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	2149.3	26577.	8636.1
Stddev	15.5	294.	60.2
%RSD	.72011	1.1063	.69667

Sample Name: 460-46829-h-4-b Acquired: 11/10/2012 13:14:51 Type: Unk
Method: CW846_111012(v3) 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	964.2	28.29	-1.392	103.7	.3221	F 259400.
Stddev	8.8	4.43	1.103	.6	.0860	2628.
%RSD	.9136	15.65	79.23	.5938	26.69	1.013

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5681	4.489	1.096	15.81	13290.	63520.
Stddev	.1992	.123	.289	1.63	70.	83.
%RSD	35.07	2.745	26.40	10.28	.5233	.1308

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	194800.	1694.	F 1150000.	11.67	35.22	1.612
Stddev	1032.	8.	23500.	.64	6.53	3.767
%RSD	.5295	.4979	2.045	5.506	18.53	233.7

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.18	.6414	7.370	975.7	801.6	2.044
Stddev	5.57	.6867	.346	3.7	.6	.820
%RSD	39.26	107.1	4.693	.3804	.0745	40.11

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

Sample Name: 460-46829-h-4-b Acquired: 11/10/2012 13:14:51 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.496	2969.	39.87	16830.
Stddev	1.492	5.	.87	231.
%RSD	99.75	.1797	2.189	1.373

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	2166.0	26840.	8750.3
Stddev	14.1	262.	229.2
%RSD	.64904	.97552	2.6196

Sample Name: lcs 460-135048/2-a Acquired: 11/10/2012 13:18:37 Type: QC

Method: CW846_111012(v3) 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	2052.	2023.	49.60	2130.	50.50	21420.
Stddev	28.	6.	.95	4.	.43	195.
%RSD	1.346	.3117	1.916	.2059	.8541	.9076

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	52.51	533.1	208.0	255.5	1069.	20350.
Stddev	.40	1.1	.6	1.9	11.	111.
%RSD	.7644	.2031	.2930	.7300	1.009	.5443

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	21200.	528.5	22120.	538.9	544.9	483.8
Stddev	115.	1.7	270.	.2	6.2	2.6
%RSD	.5429	.3123	1.219	.0421	1.139	.5370

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2060.	F 2323.	501.9	525.0	540.5	500.9
Stddev	3.	5.	.8	1.6	.8	.6
%RSD	.1528	.2013	.1694	.2977	.1452	.1211

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

Sample Name: lcs 460-135048/2-a Acquired: 11/10/2012 13:18:37 Type: QC
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	534.2	497.9	501.3	55.42
Stddev	.9	4.7	4.0	12.13
%RSD	.1705	.9422	.7916	21.89

Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2515.0	32058.	9041.5
Stddev	18.5	68.	55.7
%RSD	.73721	.21121	.61583

Sample Name: CCV Acquired: 11/10/2012 13:22:09 Type: QC
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126700.	2537.	1256.	10320.	1018.	129600.
Stddev	104.	11.	3.	25.	1.	154.
%RSD	.0822	.4381	.2050	.2452	.0732	.1185

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	1282.	2578.	5124.	12780.	102700.	50830.
Stddev	3.	4.	16.	6.	239.	47.
%RSD	.2175	.1513	.3045	.0490	.2328	.0918

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	126700.	5168.	130100.	2594.	7776.	1016.
Stddev	340.	10.	73.	4.	20.	4.
%RSD	.2683	.2001	.0563	.1354	.2511	.4224

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2542.	2589.	2542.	2545.	1015.	2566.
Stddev	10.	4.	2.	4.	5.	6.
%RSD	.3854	.1410	.0983	.1409	.5231	.2379

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

Sample Name: CCV Acquired: 11/10/2012 13:22:09 Type: QC
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1025.	5161.	10220.	10210.
Stddev	2.	37.	13.	74.
%RSD	.2027	.7134	.1228	.7255

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	2307.7	29181.	8571.9
Stddev	9.6	82.	58.7
%RSD	.41386	.28205	.68500

Sample Name: CCB Acquired: 11/10/2012 13:25:43 Type: QC
Method: CW846_111012(v3) 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	-8.554	-4.000	-.4245	.4430	.0034	100.2
Stddev	14.50	3.368	.8891	.2563	.1003	29.1
%RSD	169.5	84.21	209.4	57.86	2987.	29.07

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	.0644	.0761	.3230	-3.565	13.42	42.87
Stddev	.0954	.0642	.6529	3.418	14.90	43.06
%RSD	148.2	84.37	202.1	95.89	111.0	100.4

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	13.47	.4666	94.60	.0041	-.4102	4.943
Stddev	8.33	.4214	42.36	1.269	2.946	2.798
%RSD	61.82	90.31	44.78	30640.	718.1	56.60

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2956	-1.234	1.097	2.090	1.065	.1947
Stddev	10.52	1.595	.099	.319	.500	.6061
%RSD	3560.	129.3	9.038	15.26	46.91	311.3

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

Sample Name: CCB Acquired: 11/10/2012 13:25:43 Type: QC
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8495	.5330	.5446	-19.10
Stddev	1.390	.4418	1.274	6.29
%RSD	163.6	82.89	234.0	32.95

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	2549.0	32820.	8793.0
Stddev	6.2	72.	22.4
%RSD	.24506	.21899	.25509

Sample Name: mb 460-135048/1-a Acquired: 11/10/2012 13:29:27 Type: QC
Method: CW846_111012(v3) 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	-10.32	-1.529	-.0384	.3178	-.1019	11.52
Stddev	8.74	5.034	1.099	.1592	.2152	12.76
%RSD	84.68	329.2	2859.	50.11	211.2	110.8

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	-.2038	.0116	.5495	-1.951	4.663	6.161
Stddev	.1086	.1206	.2971	4.041	10.33	13.02
%RSD	53.26	1042.	54.07	207.2	221.6	211.4

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	4.233	.1610	-11.60	-.4784	3.222	5.468
Stddev	5.810	.1397	6.91	.8767	2.956	3.594
%RSD	137.3	86.77	59.53	183.3	91.72	65.73

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -7.624	-3.640	1.098	.5668	1.536	.2057
Stddev	2.350	.727	1.141	.1762	.845	.4649
%RSD	30.83	19.98	103.9	31.09	55.00	226.1

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5.000					
Low Limit	-5.000					

Sample Name: mb 460-135048/1-a Acquired: 11/10/2012 13:29:27 Type: QC
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.431	-.0142	.4018	16.37
Stddev	.408	.0654	.1757	5.18
%RSD	28.52	460.0	43.74	31.65

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	2642.4	33937.	9166.8
Stddev	13.8	243.	92.5
%RSD	.52231	.71630	1.0091

Sample Name: 460-46829-h-2-c du Acquired: 11/10/2012 13:33:10 Type: Unk
Method: CW846_111012(v3) 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	101.9	.8077	-.8163	92.09	-.0753	F 275200.
Stddev	5.1	1.916	.8496	.47	.0435	571.
%RSD	4.959	237.1	104.1	.5084	57.78	.2073

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0700	3.468	-2.188	-2.003	139.8	58750.
Stddev	.4115	.764	.434	4.154	15.5	453.
%RSD	587.9	22.03	19.83	207.4	11.08	.7715

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	191500.	1465.	F 1162000.	19.52	8.108	3.343
Stddev	1780.	5.	22230.	.30	.703	7.803
%RSD	.9294	.3651	1.913	1.551	8.667	233.4

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.28	-1.809	2.737	407.7	766.5	4.339
Stddev	4.91	2.093	.377	.8	2.7	.560
%RSD	32.16	115.7	13.78	.1944	.3555	12.91

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

Sample Name: 460-46829-h-2-c du Acquired: 11/10/2012 13:33:10 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2346	3061.	14.66	15180.
Stddev	2.025	10.	1.57	135.
%RSD	863.3	.3384	10.74	.8876

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	2163.7	26700.	8755.8
Stddev	18.4	293.	146.8
%RSD	.85108	1.0960	1.6767

Sample Name: 460-46829-h-2-b Acquired: 11/10/2012 13:36:57 Type: Unk
Method: CW846_111012(v3) 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	109.1	.1530	-.9256	92.30	-.0564	F 273400.
Stddev	2.5	.8883	.5654	1.08	.0658	1057.
%RSD	2.266	580.4	61.08	1.171	116.8	.3867

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1825	3.370	-2.981	1.616	130.6	58550.
Stddev	.2644	.518	1.431	1.300	5.2	374.
%RSD	144.9	15.38	48.00	80.43	3.962	.6379

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	188400.	1454.	F 1104000.	19.77	7.888	-.9671
Stddev	880.	5.	28860.	.59	1.201	1.502
%RSD	.4673	.3267	2.614	2.966	15.23	155.3

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.50	-1.395	2.678	405.0	770.0	3.864
Stddev	7.08	1.452	1.029	1.3	4.1	.610
%RSD	67.50	104.0	38.41	.3268	.5276	15.78

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

Sample Name: 460-46829-h-2-b Acquired: 11/10/2012 13:36:57 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.7036	3043.	15.11	15620.
Stddev	.6621	11.	.70	246.
%RSD	94.10	.3531	4.614	1.574

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	2190.6	27370.	9200.7
Stddev	18.3	253.	127.2
%RSD	.83506	.92498	1.3819

Sample Name: sd 460-46829-h-2-b@5 Acquired: 11/10/2012 13:40:43 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.05	-1.395	-1.280	18.79	.0002	59160.
Stddev	11.19	4.944	.936	.30	.0787	244.
%RSD	69.71	354.4	73.13	1.615	40580.	.4125

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	-.1500	.6780	-.2355	-1.554	35.97	11050.
Stddev	.2399	.4350	.1086	3.361	12.49	58.
%RSD	160.0	64.16	46.12	216.3	34.72	.5217

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	37640.	295.5	F 335400.	4.604	3.390	4.850
Stddev	311.	1.8	6484.	.702	1.595	2.557
%RSD	.8261	.5986	1.933	15.24	47.04	52.71

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.897	-.6789	2.171	89.28	153.3	.6566
Stddev	4.902	6.317	.517	.84	.1	.7932
%RSD	258.3	930.4	23.81	.9399	.0733	120.8

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

Sample Name: sd 460-46829-h-2-b@5 Acquired: 11/10/2012 13:40:43 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1513	604.2	6.216	2776.
Stddev	.5174	1.9	.138	24.
%RSD	341.9	.3102	2.226	.8475

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	2386.4	30007.	9128.6
Stddev	22.8	266.	103.8
%RSD	.95568	.88541	1.1370

Sample Name: 460-46829-h-2-d.ms Acquired: 11/10/2012 13:44:33 Type: Unk
Method: CW846_111012(v3) 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	2197.	2221.	53.36	2150.	50.60	F 294700.
Stddev	24.	15.	.40	5.	.37	1538.
%RSD	1.112	.6706	.7574	.2305	.7219	.5217

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.80	509.8	203.7	263.2	1183.	81550.
Stddev	.28	.6	1.6	2.4	16.	391.
%RSD	.5413	.1172	.7917	.8962	1.381	.4796

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	216600.	2015.	F 1158000.	528.5	502.8	511.3
Stddev	722.	1.	18740.	2.2	3.1	7.6
%RSD	.3332	.0680	1.618	.4069	.6173	1.489

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2197.	1944.	516.1	930.8	1309.	502.8
Stddev	15.	5.	.7	.7	7.	1.6
%RSD	.7051	.2434	.1442	.0737	.5285	.3117

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

Sample Name: 460-46829-h-2-d.ms Acquired: 11/10/2012 13:44:33 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	506.8	3639.	522.3	15730.
Stddev	.8	3.	1.0	210.
%RSD	.1525	.0763	.1984	1.332

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	2143.7	26658.	8767.3
Stddev	3.3	195.	99.2
%RSD	.15264	.73327	1.1313

Sample Name: pds 460-46829-h-2-b Acquired: 11/10/2012 13:48:12 Type: Unk
Method: CW846_111012(v3) 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	2014.	2058.	49.39	1983.	47.08	F 280800.
Stddev	12.	20.	1.21	16.	.21	1103.
%RSD	.5972	.9743	2.440	.8096	.4450	.3928

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.14	469.1	188.8	239.9	1088.	76160.
Stddev	.45	4.4	.3	3.8	19.	86.
%RSD	.9550	.9289	.1845	1.578	1.754	.1133

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	199200.	1870.	F 1108000.	486.2	468.6	486.1
Stddev	346.	5.	14630.	4.7	2.9	7.1
%RSD	.1736	.2764	1.321	.9596	.6101	1.471

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2040.	1800.	483.9	865.8	1218.	468.8
Stddev	18.	12.	1.4	5.2	13.	4.2
%RSD	.8880	.6919	.2944	.5980	1.045	.8970

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

Sample Name: pds 460-46829-h-2-b Acquired: 11/10/2012 13:48:12 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	472.4	3386.	486.2	14850.
Stddev	5.4	5.	4.2	179.
%RSD	1.136	.1368	.8688	1.206

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	2219.6	27631.	9126.7
Stddev	5.8	136.	135.9
%RSD	.26067	.49075	1.4893

Sample Name: 460-46832-h-1-b Acquired: 11/10/2012 13:51:52 Type: Unk
Method: CW846_111012(v3) 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	41.29	10.59	-.9436	100.2	-.0222	121900.
Stddev	8.38	1.69	.6866	.3	.0286	325.
%RSD	20.28	15.96	72.77	.2994	129.1	.2663

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	-.1149	.6780	-.4960	7.610	1066.	36610.
Stddev	.1283	.1410	.4334	4.035	7.	138.
%RSD	111.7	20.80	87.38	53.02	.6237	.3758

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	111700.	705.7	F 682200.	5.790	12.28	-.1052
Stddev	254.	1.5	7297.	.661	.29	1.946
%RSD	.2271	.2075	1.070	11.42	2.380	1850.

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.914	-.7697	1.222	148.8	487.6	1.208
Stddev	5.868	1.520	1.073	.8	2.6	.231
%RSD	84.87	197.5	87.85	.5326	.5279	19.15

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

Sample Name: 460-46832-h-1-b Acquired: 11/10/2012 13:51:52 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0306	992.4	9.096	19420.
Stddev	1.121	3.6	.655	97.
%RSD	3661.	.3668	7.201	.4984

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	2339.4	29325.	9383.3
Stddev	9.0	99.	50.8
%RSD	.38676	.33897	.54093

Sample Name: 460-46832-h-2-b Acquired: 11/10/2012 13:55:41 Type: Unk
Method: CW846_111012(v3) 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	46.27	11.54	.0954	74.18	-.0514	115400.
Stddev	2.06	4.30	.5293	.70	.0496	457.
%RSD	4.462	37.24	554.7	.9385	96.55	.3961

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	-.0031	.7254	-.0493	28.97	2532.	34880.
Stddev	.1714	.3866	.5814	.69	15.	99.
%RSD	5442.	53.30	1179.	2.380	.5962	.2843

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	107300.	689.0	F 658400.	6.993	16.50	.5782
Stddev	195.	.7	9613.	.311	.98	3.128
%RSD	.1816	.1017	1.460	4.445	5.931	541.0

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.68	-6.333	1.327	594.1	470.4	1.611
Stddev	4.15	2.661	.599	2.9	.7	.254
%RSD	35.55	42.02	45.14	.4840	.1561	15.77

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

Sample Name: 460-46832-h-2-b Acquired: 11/10/2012 13:55:41 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3739	940.0	5.735	19470.
Stddev	.4352	1.0	1.350	94.
%RSD	116.4	.1111	23.53	.4832

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	2357.7	29529.	9522.1
Stddev	5.0	208.	102.2
%RSD	.21002	.70544	1.0734

Sample Name: 460-46832-h-3-b Acquired: 11/10/2012 13:59:28 Type: Unk
Method: CW846_111012(v3) 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	68.06	7.295	-4.880	46.42	.0128	127400.
Stddev	13.94	3.564	.5521	.45	.0480	834.
%RSD	20.49	48.85	113.1	.9753	376.1	.6545

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	.0980	.6270	.5962	-.7314	5288.	36170.
Stddev	.2136	.3479	.4019	4.206	26.	142.
%RSD	217.9	55.48	67.41	575.1	.4883	.3916

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	110800.	629.2	F 656800.	3.389	3.654	.9818
Stddev	472.	1.7	7387.	.766	3.222	4.806
%RSD	.4259	.2643	1.125	22.59	88.18	489.5

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.528	-.7017	1.637	189.0	468.6	.9839
Stddev	.671	.6816	.486	1.0	3.1	.3086
%RSD	12.14	97.13	29.72	.5509	.6560	31.37

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

Sample Name: 460-46832-h-3-b Acquired: 11/10/2012 13:59:28 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1917	1013.	7.911	F 21060.
Stddev	.2681	2.	1.095	163.
%RSD	139.8	.1738	13.84	.7717

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2354.3	29675.	9540.3
Stddev	10.6	39.	37.1
%RSD	.45107	.13181	.38913

Sample Name: 460-46832-h-4-b Acquired: 11/10/2012 14:03:16 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	91.88	8.215	-1.014	45.99	-.1562	125900.
Stddev	14.77	2.362	.341	.18	.0573	412.
%RSD	16.07	28.75	33.59	.4009	36.67	.3272

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	.2005	-.2586	.1764	.6205	5392.	35270.
Stddev	.0802	.3766	.3394	1.046	22.	140.
%RSD	39.98	145.6	192.4	168.5	.4075	.3959

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	108200.	621.0	F 641500.	3.428	7.025	4.250
Stddev	205.	.5	7621.	.705	.185	4.597
%RSD	.1895	.0880	1.188	20.56	2.626	108.2

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.028	-2.881	2.746	219.5	456.4	.2496
Stddev	3.227	3.422	.394	.5	1.9	.4113
%RSD	53.53	118.8	14.35	.2202	.4087	164.8

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

Sample Name: 460-46832-h-4-b Acquired: 11/10/2012 14:03:16 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1745	993.6	8.290	F 20880.
Stddev	.6119	3.9	.916	98.
%RSD	350.7	.3888	11.04	.4675

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2366.4	29829.	9606.8
Stddev	2.9	44.	89.8
%RSD	.12322	.14593	.93516

Sample Name: CCV Acquired: 11/10/2012 14:07:04 Type: QC
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122700.	2494.	1224.	10070.	986.6	122800.
Stddev	368.	5.	2.	8.	.9	202.
%RSD	.2995	.2026	.1397	.0786	.0885	.1648

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	1242.	2533.	4938.	12480.	99500.	49480.
Stddev	1.	5.	12.	43.	264.	214.
%RSD	.0951	.2034	.2464	.3429	.2655	.4328

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	122000.	5008.	125900.	2551.	7512.	999.9
Stddev	677.	13.	333.	3.	8.	1.4
%RSD	.5548	.2641	.2648	.1175	.1078	.1411

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2538.	2535.	2445.	2452.	997.1	2516.
Stddev	9.	7.	3.	3.	1.4	2.
%RSD	.3667	.2858	.1092	.1315	.1395	.0727

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

Sample Name: CCV Acquired: 11/10/2012 14:07:04 Type: QC
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	997.4	5006.	9998.	10300.
Stddev	2.6	9.	21.	36.
%RSD	.2588	.1776	.2077	.3534

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	2445.9	31330.	9498.0
Stddev	1.4	165.	27.1
%RSD	.05884	.52771	.28579

Sample Name: CCB Acquired: 11/10/2012 14:10:37 Type: QC
Method: CW846_111012(v3) 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	5.501	-.1829	-.3919	.3088	.0172	77.69
Stddev	15.67	1.574	.5629	.2865	.0752	17.43
%RSD	284.8	860.8	143.6	92.77	437.7	22.44

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1089	-.3746	.7812	2.029	14.71	61.79
Stddev	.0228	.2378	.5830	.161	7.74	46.83
%RSD	20.91	63.46	74.63	7.912	52.58	75.80

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.93	.4099	117.4	-.2194	3.238	2.726
Stddev	10.87	.3058	52.9	.5487	1.837	5.577
%RSD	60.62	74.61	45.06	250.1	56.73	204.6

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.770	2.241	.8601	1.800	2.311	.8495
Stddev	3.583	3.105	.4423	.258	.141	.2386
%RSD	129.4	138.6	51.43	14.31	6.106	28.09

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

Sample Name: CCB Acquired: 11/10/2012 14:10:37 Type: QC
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.189	.4651	-.3930	-10.53
Stddev	1.086	.5187	2.002	3.38
%RSD	91.32	111.5	509.5	32.07

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	2703.6	35152.	9660.4
Stddev	.9	148.	51.1
%RSD	.03476	.42210	.52845

Sample Name: 460-46835-i-1-b Acquired: 11/10/2012 14:14:21 Type: Unk
Method: CW846_111012(v3) 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	48.95	8.006	-6637	100.3	-.0636	121800.
Stddev	20.50	3.533	.5551	.2	.0657	217.
%RSD	41.87	44.13	83.63	.1684	103.2	.1781

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	-.0883	1.065	-1.247	-.6422	1042.	36530.
Stddev	.2635	.273	1.128	1.839	8.	266.
%RSD	298.6	25.62	90.42	286.4	.8081	.7287

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	112500.	713.8	F 685600.	5.619	6.436	.7252
Stddev	202.	1.7	2516.	.306	.929	4.946
%RSD	.1791	.2391	.3670	5.455	14.43	682.0

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.442	-4.762	1.785	155.3	492.7	.9651
Stddev	2.713	5.079	1.176	.9	1.5	.1611
%RSD	28.73	106.7	65.88	.5681	.3110	16.69

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

Sample Name: 460-46835-i-1-b Acquired: 11/10/2012 14:14:21 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2451	996.1	6.101	19520.
Stddev	.7445	2.5	1.144	114.
%RSD	303.8	.2480	18.76	.5822

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	29488.	9435.8
Stddev	6.9	167.	48.8
%RSD	.29201	.56786	.51670

Sample Name: 460-46836-i-1-b Acquired: 11/10/2012 14:18:09 Type: Unk
Method: CW846_111012(v3) 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	108.7	.7745	-.0393	107.3	-.2491	F 266400.
Stddev	2.5	2.805	.8085	.2	.0288	1549.
%RSD	2.314	362.2	2055.	.1862	11.58	.5815

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1648	4.152	-2.880	1.635	128.5	60490.
Stddev	.1304	.415	.663	1.145	15.3	429.
%RSD	79.12	10.00	23.02	70.07	11.91	.7096

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	192900.	1415.	F 1091000.	23.34	7.768	4.569
Stddev	1184.	4.	16550.	.23	3.185	2.587
%RSD	.6137	.3163	1.516	1.001	41.01	56.62

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.261	-1.023	3.094	319.4	767.6	7.164
Stddev	7.505	6.765	1.219	1.1	4.1	.724
%RSD	81.04	661.3	39.40	.3524	.5350	10.11

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

Sample Name: 460-46836-i-1-b Acquired: 11/10/2012 14:18:09 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-4721	3076.	13.23	16000.
Stddev	1.037	9.	1.12	119.
%RSD	219.5	.2972	8.426	.7458

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	2213.6	27756.	9433.8
Stddev	5.3	175.	66.3
%RSD	.23766	.62895	.70317

Sample Name: 460-46837-i-1-b Acquired: 11/10/2012 14:21:57 Type: Unk
Method: CW846_111012(v3) 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	22.58	1.734	-.1139	96.27	-.1378	71010.
Stddev	19.29	4.331	.4083	.99	.0311	32.
%RSD	85.43	249.7	358.5	1.027	22.54	.0447

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	-.2332	2.323	.4895	.6011	26.97	8940.
Stddev	.2987	.243	.9770	.9851	9.75	66.
%RSD	128.1	10.44	199.6	163.9	36.16	.7373

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	12760.	1786.	71600.	6.044	4.440	2.353
Stddev	65.	4.	571.	.367	1.911	1.321
%RSD	.5074	.2274	.7968	6.079	43.04	56.13

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.820	-4.455	2.513	21.52	173.0	.7350
Stddev	3.023	2.614	.229	.26	.8	.0802
%RSD	166.1	58.67	9.106	1.202	.4683	10.91

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

Sample Name: 460-46837-i-1-b Acquired: 11/10/2012 14:21:57 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6375	502.9	4.747	10340.
Stddev	.1106	1.2	.791	15.
%RSD	17.35	.2305	16.66	.1445

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	2567.0	32922.	9634.5
Stddev	5.3	206.	32.4
%RSD	.20782	.62471	.33675

Sample Name: 460-46837-i-2-b Acquired: 11/10/2012 14:25:37 Type: Unk
Method: CW846_111012(v3) 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	53.68	1.387	.0110	52.42	-.0851	45270.
Stddev	7.02	3.658	.2804	.10	.1102	127.
%RSD	13.08	263.8	2557.	.1904	129.5	.2793

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	-.0640	1.587	.2003	.0676	83.54	5928.
Stddev	.0744	.054	.4166	3.094	3.28	46.
%RSD	116.3	3.393	208.0	4573.	3.924	.7718

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	9288.	1137.	57570.	5.876	3.429	1.573
Stddev	23.	2.	78.	.093	1.852	4.079
%RSD	.2490	.1368	.1355	1.584	54.01	259.3

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5687	3.555	1.281	46.28	163.7	.8687
Stddev	3.630	5.272	.532	.25	.2	.6007
%RSD	638.2	148.3	41.51	.5354	.1181	69.15

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

Sample Name: 460-46837-i-2-b Acquired: 11/10/2012 14:25:37 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.221	297.8	3.892	8729.
Stddev	.285	.1	.587	51.
%RSD	23.32	.0415	15.08	.5852

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	2601.1	33544.	9771.4
Stddev	15.3	167.	58.6
%RSD	.58985	.49831	.60021

Sample Name: 460-46837-i-3-b Acquired: 11/10/2012 14:29:17 Type: Unk
Method: CW846_111012(v3) 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	10870.	22.84	-.6759	609.8	.4377	44400.
Stddev	6.	1.21	.9597	1.5	.1062	19.
%RSD	.0585	5.287	142.0	.2386	24.27	.0417

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	1.274	7.199	23.05	35.59	24470.	7538.
Stddev	.235	.441	.31	1.44	45.	7.
%RSD	18.41	6.130	1.347	4.041	.1841	.0962

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	11940.	724.0	61190.	20.49	38.80	3.662
Stddev	6.	1.3	42.	.17	.86	1.175
%RSD	.0465	.1802	.0684	.8182	2.210	32.09

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5295	-3.019	52.63	83.03	235.9	2.561
Stddev	4.766	4.385	1.14	.72	1.7	.293
%RSD	900.1	145.3	2.168	.8703	.7359	11.43

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

Sample Name: 460-46837-i-3-b Acquired: 11/10/2012 14:29:17 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0738	633.2	472.0	F 21710.
Stddev	1.410	1.7	1.0	153.
%RSD	1911.	.2635	.2022	.7027

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2646.6	33915.	9892.0
Stddev	13.7	141.	44.2
%RSD	.51812	.41689	.44679

Sample Name: 460-43877-a-2-a@4 Acquired: 11/10/2012 14:32:54 Type: Unk
Method: CW846_111012(v3) 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	45050.	2.471	-.8463	288.8	1.468	4028.
Stddev	202.	1.235	.4808	.3	.110	37.
%RSD	.4494	50.00	56.81	.0911	7.508	.9182

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	1.138	15.79	71.00	11.95	43640.	2339.
Stddev	.291	.47	.70	2.70	165.	25.
%RSD	25.59	3.003	.9836	22.58	.3783	1.056

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	4862.	284.2	454.8	24.50	46.81	6.257
Stddev	31.	1.0	37.7	1.50	1.52	1.074
%RSD	.6388	.3492	8.292	6.130	3.249	17.16

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.263	1.904	127.3	85.75	12.33	-.1257
Stddev	7.779	2.233	.9	.25	1.20	.2879
%RSD	615.7	117.3	.6777	.2882	9.699	229.1

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

Sample Name: 460-43877-a-2-a@4 Acquired: 11/10/2012 14:32:54 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7434	44.57	158.4	667.5
Stddev	.3594	.08	2.0	8.3
%RSD	48.34	.1750	1.239	1.246

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	2704.7	34799.	9935.7
Stddev	1.4	107.	52.6
%RSD	.05121	.30729	.52910

Sample Name: 460-43877-a-9-a@4 Acquired: 11/10/2012 14:36:33 Type: Unk

Method: CW846_111012(v3) 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	40990.	18.70	-6590	198.2	2.069	4146.
Stddev	41.	1.94	.0746	.4	.062	22.
%RSD	.0990	10.40	11.31	.2179	2.988	.5291

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	2.064	32.28	138.1	3.724	80030.	2740.
Stddev	.236	.51	.3	.517	94.	9.
%RSD	11.45	1.583	.2116	13.88	.1173	.3127

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	2940.	1670.	141.3	21.89	19.03	2.881
Stddev	8.	2.	15.2	.98	1.74	1.234
%RSD	.2885	.0976	10.77	4.461	9.152	42.84

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -10.50	-3.220	108.0	92.31	17.93	.2735
Stddev	3.28	7.157	.6	.31	.97	.6611
%RSD	31.22	222.2	.5740	.3324	5.437	241.7

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5000.					
Low Limit	-10.00					

Sample Name: 460-43877-a-9-a@4 Acquired: 11/10/2012 14:36:33 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7261	18.40	392.9	574.8
Stddev	.2303	.03	1.9	20.1
%RSD	31.71	.1414	.4748	3.493

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	2738.5	35440.	9964.6
Stddev	2.9	95.	101.5
%RSD	.10430	.26780	1.0188

Sample Name: 460-43877-a-10-a@4 Acquired: 11/10/2012 14:40:11 Type: Unk
Method: CW846_111012(v3) 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	52820.	16.97	-1.327	4834.	1.515	107100.
Stddev	144.	4.30	.310	8.	.072	111.
%RSD	.2731	25.32	23.34	.1671	4.767	.1036

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	17.88	23.95	71.24	72.94	64910.	2216.
Stddev	.35	.44	.21	1.91	89.	25.
%RSD	1.940	1.829	.2930	2.619	.1368	1.111

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	27350.	1127.	227.7	44.61	1520.	23.40
Stddev	43.	2.	9.8	.48	2.	4.82
%RSD	.1583	.1600	4.298	1.067	.1549	20.60

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.206	-1.864	109.7	985.0	6.550	2.105
Stddev	10.19	2.144	.5	1.9	.726	.516
%RSD	317.7	115.0	.4873	.1962	11.09	24.49

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

Sample Name: 460-43877-a-10-a@4 Acquired: 11/10/2012 14:40:11 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	48.21	159.9	971.8	672.8
Stddev	1.28	.4	2.9	11.3
%RSD	2.650	.2354	.3015	1.681

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	2704.1	34699.	10102.
Stddev	1.9	150.	27.
%RSD	.07091	.43363	.26316

Sample Name: 460-43833-a-6-b@4 Acquired: 11/10/2012 14:43:45 Type: Unk
Method: CW846_111012(v3) 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	37280.	12.84	-1.246	4278.	1.837	10680.
Stddev	80.	2.01	.746	10.	.076	19.
%RSD	.2138	15.64	59.92	.2311	4.154	.1750

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	10.78	38.33	140.3	71.47	85640.	3013.
Stddev	.22	.31	.4	3.24	180.	22.
%RSD	2.011	.8023	.3148	4.527	.2101	.7442

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	9251.	635.8	55.86	52.15	811.1	10.74
Stddev	49.	.5	11.64	.30	2.9	7.50
%RSD	.5289	.0861	20.84	.5780	.3631	69.89

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.866	-3.293	165.6	713.9	5.687	1.311
Stddev	8.615	4.597	1.3	1.6	.987	.180
%RSD	300.6	139.6	.7766	.2243	17.35	13.76

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

Sample Name: 460-43833-a-6-b@4 Acquired: 11/10/2012 14:43:45 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	22.71	94.26	577.9	438.3
Stddev	.30	.34	.2	24.8
%RSD	1.337	.3628	.0300	5.658

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	2710.1	35030.	9930.9
Stddev	8.6	131.	23.0
%RSD	.31869	.37452	.23156

Sample Name: lcssrm 460-134824/2- Acquired: 11/10/2012 14:47:21 Type: QC
Method: CW846_111012(v3) 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	34020.	785.7	197.6	1045.	532.0	33930.
Stddev	81.	1.2	.3	1.	.8	188.
%RSD	.2382	.1472	.1600	.1118	.1583	.5549

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	516.8	686.5	589.3	584.3	63410.	13530.
Stddev	1.4	1.4	1.7	2.4	126.	17.
%RSD	.2733	.2033	.2952	.4121	.1981	.1252

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	12050.	1746.	1569.	371.0	386.1	1022.
Stddev	19.	1.	7.	1.4	1.6	5.
%RSD	.1567	.0819	.4745	.3845	.4092	.4750

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	600.7	1126.	422.3	1343.	425.1	343.4
Stddev	6.2	4.	.3	3.	.6	.3
%RSD	1.040	.3173	.0741	.2003	.1391	.1010

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

Sample Name: lcssrm 460-134824/2- Acquired: 11/10/2012 14:47:21 Type: QC
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	734.5	650.3	956.2	2248.
Stddev	2.1	.5	1.0	9.
%RSD	.2814	.0778	.0997	.3937

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2704.3	34890.	9919.3
Stddev	9.7	63.	30.3
%RSD	.36005	.18078	.30543

Sample Name: CCV Acquired: 11/10/2012 14:50:53 Type: QC
Method: CW846_111012(v3) 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	122400.	2456.	1211.	10010.	980.2	123100.
Stddev	393.	7.	3.	36.	3.0	242.
%RSD	.3214	.2961	.2783	.3640	.3048	.1965

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	1235.	2513.	4907.	12380.	98870.	49610.
Stddev	6.	11.	15.	46.	401.	229.
%RSD	.4770	.4194	.3059	.3730	.4055	.4617

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	122200.	4983.	125800.	2529.	7496.	985.0
Stddev	589.	19.	425.	9.	23.	3.2
%RSD	.4816	.3896	.3375	.3549	.3015	.3224

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2485.	2513.	2428.	2451.	985.3	2496.
Stddev	15.	10.	7.	11.	4.8	11.
%RSD	.6188	.3956	.3081	.4436	.4874	.4552

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

Sample Name: CCV Acquired: 11/10/2012 14:50:53 Type: QC
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	991.7	4992.	9933.	9958.
Stddev	2.7	15.	36.	63.
%RSD	.2703	.2924	.3614	.6305

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	2439.3	31223.	9202.8
Stddev	10.8	64.	76.6
%RSD	.44348	.20400	.83221

Sample Name: CCB Acquired: 11/10/2012 14:54:26 Type: QC
Method: CW846_111012(v3) 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	5.090	-.9445	.2639	.3959	-.1201	72.95
Stddev	6.330	6.489	.4513	.5395	.1396	6.66
%RSD	124.3	687.0	171.0	136.3	116.2	9.133

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	-.0278	.3276	.2924	2.107	18.08	49.74
Stddev	.2787	.2418	.1240	.490	9.75	16.71
%RSD	1004.	73.80	42.41	23.26	53.93	33.59

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.571	.4854	-26.20	.4085	.8202	1.439
Stddev	6.445	.2670	34.99	.8223	2.047	3.009
%RSD	67.34	55.01	133.6	201.3	249.6	209.2

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.184	-1.652	.8812	1.963	1.827	.2759
Stddev	4.508	2.356	1.234	.193	.616	.5733
%RSD	380.7	142.7	140.1	9.830	33.72	207.8

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

Sample Name: CCB Acquired: 11/10/2012 14:54:26 Type: QC
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2448	.4361	1.261	-17.75
Stddev	.4718	.3261	1.520	4.42
%RSD	192.7	74.77	120.5	24.91

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	2614.2	33949.	9320.5
Stddev	4.5	166.	58.5
%RSD	.17318	.48966	.62725

Sample Name: mb 460-134824/1-a@2 Acquired: 11/10/2012 14:58:10 Type: QC
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-16.38	-3.828	-.0181	-.2965	-.0134	-6.206
Stddev	1.19	2.750	.6330	.0420	.0560	5.064
%RSD	7.233	71.84	3494.	14.15	418.6	81.59

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	-.3627	.0136	-.1374	-3.595	11.50	-.7136
Stddev	.2140	.2373	.1727	2.888	1.96	48.73
%RSD	59.01	1744.	125.7	80.34	17.05	6830.

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	7.851	.1269	-56.37	-.2275	-.5023	2.280
Stddev	4.230	.0203	11.11	.4939	3.354	5.369
%RSD	53.87	15.97	19.72	217.1	667.7	235.5

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.876	-.7295	.2901	.4521	1.784	.0667
Stddev	.527	2.303	.9122	.1578	.981	.5105
%RSD	28.12	315.7	314.5	34.91	54.98	765.8

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

Sample Name: mb 460-134824/1-a@2 Acquired: 11/10/2012 14:58:10 Type: QC
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8477	.0382	1.831	-25.03
Stddev	.6981	.0270	.563	18.63
%RSD	82.35	70.78	30.74	74.43

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	2608.6	33856.	9231.1
Stddev	4.7	296.	92.0
%RSD	.17901	.87329	.99713

Sample Name: 460-46704-a-13-e du@ Acquired: 11/10/2012 15:01:53 Type: Unk
Method: CW846_111012(v3) 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	15860.	2.607	-1.512	88.33	1.193	1192.
Stddev	22.	.620	.736	.39	.118	16.
%RSD	.1395	23.79	48.66	.4429	9.915	1.343

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	.4110	8.702	47.29	26.97	22940.	2768.
Stddev	.0738	.101	.47	4.21	13.	13.
%RSD	17.95	1.157	.9924	15.59	.0579	.4708

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	3692.	158.4	223.6	22.71	17.82	3.933
Stddev	4.	.5	8.6	.30	1.61	5.388
%RSD	.1094	.2877	3.840	1.336	9.055	137.0

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.584	-.0627	33.81	78.26	3.426	-.0055
Stddev	6.920	3.580	.12	.05	.404	.2936
%RSD	151.0	5705.	.3664	.0693	11.80	5370.

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

Sample Name: 460-46704-a-13-e du@ Acquired: 11/10/2012 15:01:53 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.343	13.34	745.2	1192.
Stddev	.898	.10	3.4	17.
%RSD	66.88	.7142	.4551	1.429

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	2692.1	34837.	9568.9
Stddev	5.1	160.	34.5
%RSD	.19077	.46007	.36055

Sample Name: 460-46704-a-13-d@4 Acquired: 11/10/2012 15:05:33 Type: Unk
Method: CW846_111012(v3) 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	14700.	1.603	-1.962	80.17	1.521	1123.
Stddev	49.	2.686	.153	.10	.098	21.
%RSD	.3299	167.6	7.817	.1211	6.439	1.883

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	.6164	8.204	48.90	29.17	26440.	2228.
Stddev	.1191	.230	.08	2.01	46.	35.
%RSD	19.32	2.798	.1680	6.906	.1755	1.593

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	3266.	150.9	202.1	23.48	19.79	2.800
Stddev	14.	.4	5.5	1.11	1.75	2.502
%RSD	.4154	.2811	2.715	4.707	8.867	89.35

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.819	.8762	34.79	66.18	2.230	.4105
Stddev	1.003	2.349	.99	.36	.723	.2595
%RSD	20.81	268.1	2.856	.5485	32.42	63.21

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

Sample Name: 460-46704-a-13-d@4 Acquired: 11/10/2012 15:05:33 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0688	13.03	634.8	1134.
Stddev	.6916	.13	3.8	19.
%RSD	1005.	1.012	.5947	1.646

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	2696.9	34862.	9654.3
Stddev	1.8	69.	60.4
%RSD	.06684	.19683	.62541

Sample Name: sd 460-46704-a-13-d@ Acquired: 11/10/2012 15:09:12 Type: Unk
Method: CW846_111012(v3) 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	2928.	-1.054	-.9215	15.39	.2680	241.9
Stddev	9.	1.780	.0526	.05	.0552	19.4
%RSD	.2908	168.8	5.704	.3507	20.59	8.030

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	-.0582	1.860	9.683	6.004	5286.	408.6
Stddev	.1908	.133	.598	2.836	2.	11.8
%RSD	327.8	7.162	6.174	47.24	.0333	2.888

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	663.1	29.91	-36.66	4.389	5.296	1.975
Stddev	5.2	.07	7.24	.697	1.481	.564
%RSD	.7774	.2394	19.75	15.88	27.97	28.58

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7552	-1.248	7.203	13.56	.8748	.4360
Stddev	2.902	3.097	.882	.35	.6269	.3028
%RSD	384.2	248.2	12.25	2.554	71.67	69.45

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

Sample Name: sd 460-46704-a-13-d@ Acquired: 11/10/2012 15:09:12 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.050	2.518	124.1	210.5
Stddev	.975	.056	2.4	4.3
%RSD	92.85	2.234	1.936	2.035

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	2682.4	34666.	9481.5
Stddev	1.3	107.	81.1
%RSD	.04772	.30782	.85583

Sample Name: 460-46704-a-13-f.ms@ Acquired: 11/10/2012 15:12:54 Type: Unk
 Method: CW846_111012(v3) 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	21640.	920.9	21.37	1123.	25.77	11400.
Stddev	52.	4.4	.64	2.	.13	97.
%RSD	.2386	.4793	3.013	.1883	.4907	.8510

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	25.12	258.7	148.3	147.1	23230.	12260.
Stddev	.21	.8	.5	4.2	38.	60.
%RSD	.8179	.3125	.3082	2.870	.1639	.4877

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	12990.	391.8	10430.	277.2	270.1	177.6
Stddev	6.	.7	39.	1.4	3.5	1.4
%RSD	.0436	.1895	.3763	.5110	1.292	.7702

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	906.9	1064.	272.6	309.2	244.4	235.5
Stddev	2.3	9.	2.7	.4	2.0	.3
%RSD	.2589	.8447	.9904	.1301	.8002	.1066

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

Sample Name: 460-46704-a-13-f ms@ Acquired: 11/10/2012 15:12:54 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	246.9	257.9	953.8	1987.
Stddev	2.0	.3	1.8	29.
%RSD	.7973	.1168	.1837	1.441

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	2618.9	33668.	9400.0
Stddev	9.1	41.	52.1
%RSD	.34934	.12298	.55411

Sample Name: pds 460-46704-a-13-d Acquired: 11/10/2012 15:16:29 Type: Unk
Method: CW846_111012(v3) 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	16510.	1819.	43.18	2038.	48.75	21050.
Stddev	9.	6.	.34	4.	.21	93.
%RSD	.0533	.3528	.7878	.1868	.4280	.4416

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	48.39	495.5	239.7	265.1	27280.	20830.
Stddev	.35	1.7	.9	5.2	118.	27.
%RSD	.7234	.3396	.3690	1.960	.4329	.1281

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	21750.	631.2	19810.	513.2	506.1	437.6
Stddev	119.	2.4	43.	3.2	3.9	5.4
%RSD	.5467	.3757	.2151	.6326	.7634	1.245

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1825.	2047.	501.3	538.8	470.4	464.4
Stddev	18.	3.	1.1	1.5	2.4	1.5
%RSD	.9651	.1529	.2229	.2746	.5156	.3137

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

Sample Name: pds 460-46704-a-13-d Acquired: 11/10/2012 15:16:29 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	485.7	479.0	1109.	1206.
Stddev	1.2	.9	2.	10.
%RSD	.2390	.1869	.1970	.8141

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	2616.3	33527.	9510.9
Stddev	2.5	52.	53.2
%RSD	.09544	.15590	.55946

Sample Name: 460-46704-a-9-d@4 Acquired: 11/10/2012 15:19:59 Type: Unk
Method: CW846_111012(v3) 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	3892.	.0948	-1.142	24.19	.1663	2188.
Stddev	18.	.6060	.322	.30	.1076	18.
%RSD	.4634	639.2	28.16	1.231	64.66	.8192

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	.2066	6.385	14.23	.7840	9118.	622.9
Stddev	.2641	.386	.61	1.261	9.	28.4
%RSD	127.8	6.047	4.278	160.9	.1041	4.562

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	971.1	162.4	50.81	6.463	8.405	3.816
Stddev	7.5	.3	11.02	.702	.854	2.710
%RSD	.7723	.2048	21.69	10.87	10.16	71.01

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.507	1.382	11.57	18.77	3.294	.9896
Stddev	1.580	.798	.57	.21	.120	.5185
%RSD	35.07	57.74	4.892	1.116	3.643	52.39

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

Sample Name: 460-46704-a-9-d@4 Acquired: 11/10/2012 15:19:59 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.016	13.78	166.9	721.4
Stddev	.133	.11	2.5	15.0
%RSD	13.05	.7898	1.521	2.075

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	2662.9	34450.	9522.5
Stddev	4.6	174.	21.9
%RSD	.17272	.50465	.23047

Sample Name: 460-46704-a-12-d@4 Acquired: 11/10/2012 15:23:40 Type: Unk
Method: CW846_111012(v3) 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	2226.	-.0343	1.693	14.08	-.1153	220.7
Stddev	9.	4.324	.325	.31	.0051	14.5
%RSD	.3905	12610.	19.22	2.206	4.431	6.574

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	-.1916	.3330	10.23	2.918	2148.	259.5
Stddev	.1449	.2854	.39	3.548	11.	23.1
%RSD	75.63	85.71	3.789	121.6	.4900	8.907

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	310.2	13.78	-5.011	3.619	5.408	.4436
Stddev	4.2	.10	.682	.533	.815	2.110
%RSD	1.363	.7152	13.61	14.74	15.06	475.5

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.376	-5.881	4.038	10.96	2.348	.0934
Stddev	4.091	4.566	.824	.10	.038	.3183
%RSD	297.4	77.64	20.39	.8996	1.622	340.6

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

Sample Name: 460-46704-a-12-d@4 Acquired: 11/10/2012 15:23:40 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-3139	3.322	113.2	536.3
Stddev	.8295	.056	.9	20.3
%RSD	264.3	1.672	.7704	3.789

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	2651.1	34395.	9340.7
Stddev	8.6	99.	57.1
%RSD	.32412	.28718	.61147

Sample Name: 460-46704-a-14-d@4 Acquired: 11/10/2012 15:27:23 Type: Unk
Method: CW846_111012(v3) 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	13750.	1.206	-.6289	75.63	.5395	1095.
Stddev	21.	2.870	.5627	.56	.1621	22.
%RSD	.1523	238.0	89.48	.7418	30.05	2.033

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	.3515	7.461	44.65	45.52	16680.	1594.
Stddev	.1628	.312	.83	1.79	29.	11.
%RSD	46.33	4.179	1.861	3.941	.1733	.6876

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	3769.	151.8	156.4	20.30	17.94	5.703
Stddev	12.	.3	7.2	.65	1.21	3.638
%RSD	.3116	.2218	4.617	3.182	6.754	63.79

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.363	-1.180	27.86	75.23	1.767	-.0015
Stddev	3.121	3.460	.51	.13	1.034	.0784
%RSD	132.1	293.2	1.820	.1691	58.53	5087.

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

Sample Name: 460-46704-a-14-d@4 Acquired: 11/10/2012 15:27:23 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.125	9.548	740.4	804.3
Stddev	.486	.105	1.8	12.0
%RSD	43.24	1.097	.2451	1.498

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	2676.6	34425.	9523.5
Stddev	8.2	54.	12.2
%RSD	.30454	.15704	.12824

Sample Name: 460-46704-a-15-d@4 Acquired: 11/10/2012 15:31:04 Type: Unk
Method: CW846_111012(v3) 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	25040.	3.720	-1.877	156.0	1.896	4703.
Stddev	65.	.361	1.994	.5	.043	1.
%RSD	.2601	9.692	106.2	.3050	2.249	.0204

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	1.958	40.39	68.41	31.99	61330.	5064.
Stddev	.340	.56	.10	1.50	210.	9.
%RSD	17.37	1.377	.1506	4.678	.3429	.1851

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	10090.	1951.	262.9	67.75	18.78	3.761
Stddev	58.	6.	11.3	1.05	3.30	1.475
%RSD	.5783	.3061	4.304	1.550	17.56	39.23

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.411	-4.839	74.89	169.8	8.705	1.411
Stddev	4.502	2.844	.19	.6	.309	.810
%RSD	102.1	58.78	.2534	.3750	3.545	57.39

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

Sample Name: 460-46704-a-15-d@4 Acquired: 11/10/2012 15:31:04 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.097	35.27	1461.	1292.
Stddev	1.673	.09	4.	2.
%RSD	152.5	.2424	.2790	.1423

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	2720.1	35025.	9812.8
Stddev	5.0	176.	7.8
%RSD	.18382	.50223	.07905

Sample Name: CCV Acquired: 11/10/2012 15:34:43 Type: QC
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123600.	2481.	1228.	10080.	984.3	123700.
Stddev	31.	13.	2.	5.	.6	568.
%RSD	.0253	.5112	.1754	.0523	.0617	.4593

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	1246.	2537.	4988.	12480.	100500.	49960.
Stddev	1.	5.	6.	29.	188.	59.
%RSD	.0463	.1993	.1134	.2313	.1872	.1186

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	124300.	5048.	126600.	2549.	7551.	989.4
Stddev	465.	10.	121.	4.	7.	5.9
%RSD	.3741	.1936	.0955	.1518	.0888	.5965

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2506.	2540.	2464.	2478.	989.5	2513.
Stddev	8.	2.	2.	2.	3.5	2.
%RSD	.3372	.0775	.0660	.0996	.3508	.0944

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

Sample Name: CCV Acquired: 11/10/2012 15:34:43 Type: QC
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1001.	5049.	9996.	10080.
Stddev	1.	56.	13.	110.
%RSD	.0604	1.109	.1329	1.089

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	2410.6	30558.	9086.9
Stddev	2.8	49.	88.7
%RSD	.11692	.15959	.97600

Sample Name: CCB Acquired: 11/10/2012 15:38:14 Type: QC
Method: CW846_111012(v3) 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	-21.48	-.1091	.2521	.8016	-.1610	77.98
Stddev	4.37	2.372	.4814	.6900	.2068	1.74
%RSD	20.35	2175.	191.0	86.08	128.5	2.237

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	-.0438	-.1521	.8849	-1.085	5.238	38.77
Stddev	.2777	.2199	.5254	3.492	1.779	33.24
%RSD	633.9	144.6	59.37	321.9	33.96	85.75

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	10.06	.5069	-53.25	.0978	2.063	4.745
Stddev	6.96	.3813	41.54	.6154	2.761	1.515
%RSD	69.26	75.21	78.01	629.1	133.8	31.93

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.397	.7366	.9836	1.681	.4864	.1727
Stddev	4.426	2.132	.1043	.155	.5940	.1494
%RSD	316.8	289.5	10.60	9.230	122.1	86.49

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

Sample Name: CCB Acquired: 11/10/2012 15:38:14 Type: QC
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5897	.4470	4.586	-27.32
Stddev	1.237	.5511	2.071	13.04
%RSD	209.8	123.3	45.16	47.73

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	2623.2	33983.	9189.1
Stddev	.1	156.	89.5
%RSD	.00438	.45972	.97443

Sample Name: 460-46704-a-16-d@4 Acquired: 11/10/2012 15:41:58 Type: Unk
Method: CW846_111012(v3) 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	89010.	5.173	-1.887	872.6	3.379	9696.
Stddev	113.	.247	.583	.6	.149	20.
%RSD	.1271	4.777	30.90	.0633	4.418	.2045

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	4.524	72.19	216.0	143.8	171500.	31960.
Stddev	.242	.13	1.2	2.0	678.	49.
%RSD	5.345	.1833	.5729	1.409	.3954	.1532

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	40990.	1992.	540.6	147.2	33.22	6.736
Stddev	159.	5.	10.2	.3	1.56	7.150
%RSD	.3869	.2684	1.886	.2370	4.699	106.1

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -11.58	-3.910	261.1	409.0	1.427	.9804
Stddev	.89	3.026	2.3	.7	.805	.5530
%RSD	7.720	77.40	.8738	.1606	56.42	56.41

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5000.					
Low Limit	-10.00					

Sample Name: 460-46704-a-16-d@4 Acquired: 11/10/2012 15:41:58 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-4.366	67.31	7102.	1657.
Stddev	.278	.17	6.	24.
%RSD	6.370	.2551	.0810	1.476

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	2697.9	34345.	9801.1
Stddev	11.9	81.	51.5
%RSD	.44171	.23712	.52498

Sample Name: 460-46454-f-1-c du@4 Acquired: 11/10/2012 15:45:34 Type: Unk
Method: CW846_111012(v3) 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.	8.851	-5.297	591.9	4.792	1762.
Stddev	138.	1.543	.262	.5	.101	23.
%RSD	.1107	17.43	4.939	.0811	2.097	1.326

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	2.310	36.71	46.83	37.48	131700.	6996.
Stddev	.301	.22	.26	1.74	105.	4.
%RSD	13.02	.6107	.5648	4.643	.0799	.0633

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	5604.	1041.	897.4	22.86	15.85	2.481
Stddev	24.	.	5.3	.66	1.65	2.837
%RSD	.4353	.0312	.5957	2.881	10.38	114.3

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -11.31	-3.668	132.5	148.9	6.614	5.129
Stddev	3.36	.891	.3	.5	1.166	.290
%RSD	29.75	24.30	.2560	.3308	17.63	5.648

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5000.					
Low Limit	-10.00					

Sample Name: 460-46454-f-1-c du@4 Acquired: 11/10/2012 15:45:34 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6238	29.16	2339.	1349.
Stddev	.4422	.18	8.	5.
%RSD	70.89	.6191	.3542	.3922

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	3398.1	42751.	12206.
Stddev	3.2	112.	25.
%RSD	.09361	.26227	.20807

Sample Name: 460-46454-f-1-b@4 Acquired: 11/10/2012 15:49:11 Type: Unk
Method: CW846_111012(v3) 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	119400.	8.861	-4.204	565.2	4.512	1775.
Stddev	202.	3.938	.475	.8	.088	27.
%RSD	.1688	44.44	11.30	.1410	1.950	1.537

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	2.243	35.97	38.19	32.30	122900.	7228.
Stddev	.098	.09	.65	4.73	295.	14.
%RSD	4.386	.2546	1.706	14.64	.2399	.1994

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	5393.	1034.	862.5	21.71	17.81	6.297
Stddev	14.	2.	7.3	.56	3.58	2.517
%RSD	.2508	.1927	.8502	2.569	20.09	39.98

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -14.51	-2.066	118.0	146.0	5.784	4.398
Stddev	3.57	2.085	.8	.1	.961	.189
%RSD	24.58	100.9	.6518	.0836	16.61	4.294

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5000.					
Low Limit	-10.00					

Sample Name: 460-46454-f-1-b@4 Acquired: 11/10/2012 15:49:11 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2864	28.21	2050.	1397.
Stddev	.5935	.12	5.	12.
%RSD	207.2	.4176	.2216	.8230

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	3329.8	41921.	11823.
Stddev	4.9	45.	57.
%RSD	.14741	.10737	.48014

Sample Name: sd 460-46454-f-1-b@2 Acquired: 11/10/2012 15:52:47 Type: Unk
Method: CW846_111012(v3) 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	28030.	-1.624	-.8623	134.0	.8833	424.9
Stddev	67.	4.015	1.282	.5	.0352	14.3
%RSD	.2388	247.2	148.6	.4060	3.989	3.363

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	.2358	8.511	8.860	8.072	29260.	1703.
Stddev	.2763	.845	1.033	2.900	93.	35.
%RSD	117.2	9.932	11.66	35.93	.3169	2.080

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	1298.	246.9	119.3	5.292	1.504	6.538
Stddev	9.	.7	5.9	.495	2.581	3.711
%RSD	.6596	.2809	4.982	9.347	171.7	56.77

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.973	-2.285	27.86	34.45	1.422	.9065
Stddev	.416	2.624	.90	.28	.251	.3198
%RSD	13.99	114.9	3.234	.8199	17.68	35.28

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

Sample Name: sd 460-46454-f-1-b@2 Acquired: 11/10/2012 15:52:47 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.387	6.585	476.6	312.4
Stddev	.694	.071	3.7	15.5
%RSD	50.06	1.074	.7841	4.969

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	2776.2	35509.	9776.9
Stddev	6.4	71.	8.2
%RSD	.23057	.20118	.08377

Sample Name: 460-46454-f-1-d ms@4 Acquired: 11/10/2012 15:56:27 Type: Unk
Method: CW846_111012(v3) 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	127400.	715.4	13.53	1325.	23.03	9525.
Stddev	417.	3.1	.50	3.	.18	7.
%RSD	.3269	.4293	3.690	.1996	.7950	.0705

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	20.71	222.3	115.9	126.5	124100.	14150.
Stddev	.10	.6	.4	2.0	264.	56.
%RSD	.4771	.2785	.3641	1.573	.2129	.3981

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	12640.	1278.	8632.	213.5	205.1	166.8
Stddev	53.	2.	28.	1.4	.7	2.0
%RSD	.4160	.1940	.3226	.6645	.3560	1.191

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	690.1	764.7	306.8	332.3	171.6	180.8
Stddev	1.7	5.6	1.8	.5	1.2	.9
%RSD	.2407	.7339	.5960	.1620	.6793	.4730

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

Sample Name: 460-46454-f-1-d ms@4 Acquired: 11/10/2012 15:56:27 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	185.6	211.3	2439.	1789.
Stddev	.3	.9	8.	9.
%RSD	.1576	.4073	.3147	.5182

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	3329.3	41878.	12062.
Stddev	3.5	172.	24.
%RSD	.10550	.41025	.19941

Sample Name: pds 460-46454-f-1-b@ Acquired: 11/10/2012 16:00:01 Type: Unk
Method: CW846_111012(v3) 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	120800.	1421.	29.86	2069.	41.40	17160.
Stddev	155.	8.	1.34	2.	.06	53.
%RSD	.1279	.5310	4.480	.0849	.1502	.3102

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	38.84	409.5	187.0	216.8	123600.	22040.
Stddev	.31	.7	.8	3.3	119.	12.
%RSD	.8029	.1599	.4479	1.515	.0965	.0529

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	19860.	1405.	16350.	398.5	386.6	337.6
Stddev	13.	.	26.	1.9	2.9	4.8
%RSD	.0638	.0039	.1609	.4874	.7529	1.432

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1403.	1530.	478.0	511.3	364.6	360.4
Stddev	3.	4.	.6	.7	.9	.6
%RSD	.1965	.2382	.1154	.1399	.2402	.1800

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

Sample Name: pds 460-46454-f-1-b@ Acquired: 11/10/2012 16:00:01 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	370.6	394.1	2423.	1455.
Stddev	1.0	.4	.	11.
%RSD	.2759	.0895	.0172	.7422

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	3261.9	41167.	11768.
Stddev	6.8	112.	50.
%RSD	.20966	.27126	.42764

Sample Name: 460-46454-f-2-b@4 Acquired: 11/10/2012 16:03:31 Type: Unk
Method: CW846_111012(v3) 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	120800.	13.44	-4.431	566.8	4.629	1969.
Stddev	198.	2.27	.750	1.0	.117	10.
%RSD	.1639	16.87	16.94	.1769	2.531	.5293

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	2.338	37.38	38.15	32.69	123200.	6689.
Stddev	.121	.15	.21	3.89	63.	23.
%RSD	5.162	.3913	.5481	11.89	.0511	.3489

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	5388.	1189.	609.9	22.43	15.51	2.865
Stddev	12.	2.	5.6	.54	.18	3.359
%RSD	.2153	.1738	.9129	2.410	1.150	117.2

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-9.152	-.1264	125.2	140.1	6.578	4.918
Stddev	3.240	.9829	.9	.2	1.039	.374
%RSD	35.41	777.4	.7503	.1168	15.80	7.597

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

Sample Name: 460-46454-f-2-b@4 Acquired: 11/10/2012 16:03:31 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1426	30.13	2207.	1217.
Stddev	.8232	.09	3.	11.
%RSD	577.2	.2856	.1172	.9095

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	3412.2	43014.	12079.
Stddev	11.1	137.	49.
%RSD	.32524	.31822	.40752

Sample Name: 460-46454-g-3-a@4 Acquired: 11/10/2012 16:07:06 Type: Unk
Method: CW846_111012(v3) 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	131200.	10.87	-4.837	592.9	5.130	2277.
Stddev	284.	1.78	.948	1.9	.079	14.
%RSD	.2166	16.41	19.60	.3217	1.544	.6003

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	2.799	46.70	47.39	51.81	155500.	8532.
Stddev	.295	.33	.52	2.65	332.	3.
%RSD	10.54	.7042	1.096	5.107	.2132	.0378

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	6018.	783.4	503.9	25.41	17.58	9.155
Stddev	26.	1.2	3.4	1.59	.95	1.441
%RSD	.4271	.1499	.6703	6.267	5.421	15.74

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -20.02	-3.200	159.0	161.4	6.243	6.039
Stddev	3.29	2.557	1.3	.3	.575	.360
%RSD	16.43	79.88	.7929	.2001	9.216	5.957

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5000.					
Low Limit	-10.00					

Sample Name: 460-46454-g-3-a@4 Acquired: 11/10/2012 16:07:06 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1423	30.88	2455.	1252.
Stddev	1.077	.06	5.	15.
%RSD	757.2	.2092	.2028	1.221

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	3442.8	43280.	12308.
Stddev	5.8	63.	3.
%RSD	.16804	.14666	.02565

Sample Name: 460-46454-f-4-b@4 Acquired: 11/10/2012 16:10:42 Type: Unk
Method: CW846_111012(v3) 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	98590.	10.74	-2.979	366.2	4.347	10550.
Stddev	198.	2.19	.470	1.0	.150	49.
%RSD	.2006	20.36	15.78	.2840	3.452	.4607

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	2.637	51.34	58.40	41.03	138300.	5602.
Stddev	.120	.24	.97	4.17	301.	35.
%RSD	4.556	.4716	1.657	10.17	.2177	.6321

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	6623.	670.7	919.8	32.86	23.64	1.905
Stddev	33.	1.5	6.5	.79	1.64	2.217
%RSD	.4909	.2259	.7052	2.400	6.923	116.4

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -14.67	-2.604	142.9	151.3	7.868	3.692
Stddev	1.11	2.143	.9	.7	.890	.581
%RSD	7.535	82.31	.6109	.4494	11.32	15.74

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5000.					
Low Limit	-10.00					

Sample Name: 460-46454-f-4-b@4 Acquired: 11/10/2012 16:10:42 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4173	75.96	2637.	1487.
Stddev	.5351	.19	3.	19.
%RSD	128.2	.2497	.1157	1.307

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	2980.5	37683.	10673.
Stddev	6.8	87.	20.
%RSD	.22951	.23093	.18454

Sample Name: lcssrm 460-135041/2- Acquired: 11/10/2012 16:14:18 Type: QC
Method: CW846_111012(v3) 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	28520.	760.6	190.8	986.0	510.1	33530.
Stddev	59.	4.6	1.1	.5	1.2	232.
%RSD	.2076	.6097	.5894	.0523	.2293	.6928

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	493.0	658.2	555.1	552.5	57370.	12480.
Stddev	1.0	.8	2.6	4.9	160.	29.
%RSD	.1993	.1196	.4697	.8841	.2797	.2346

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	11130.	1626.	1438.	350.1	371.3	1006.
Stddev	16.	2.	3.	.9	1.9	5.
%RSD	.1398	.1180	.1890	.2645	.5104	.5096

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	585.1	1073.	399.8	1287.	406.0	324.0
Stddev	1.7	3.	.7	3.	1.4	.7
%RSD	.2980	.2444	.1675	.2215	.3340	.2233

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

Sample Name: lcssrm 460-135041/2- Acquired: 11/10/2012 16:14:18 Type: QC
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	696.4	617.5	853.3	2369.
Stddev	2.4	.4	2.2	17.
%RSD	.3480	.0667	.2610	.7127

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2662.1	34056.	9568.5
Stddev	4.3	38.	13.0
%RSD	.15974	.11272	.13630

Sample Name: CCV Acquired: 11/10/2012 16:17:51 Type: QC
Method: CW846_111012(v3) 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	123800.	2477.	1222.	10080.	982.4	125800.
Stddev	303.	11.	4.	8.	2.5	501.
%RSD	.2444	.4546	.3526	.0829	.2591	.3987

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	1254.	2521.	4975.	12390.	99860.	50220.
Stddev	1.	4.	4.	14.	52.	102.
%RSD	.0761	.1652	.0873	.1162	.0523	.2030

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	123100.	5026.	126900.	2537.	7584.	991.2
Stddev	78.	6.	154.	4.	5.	6.1
%RSD	.0632	.1102	.1215	.1385	.0630	.6180

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2485.	2519.	2472.	2481.	990.2	2504.
Stddev	4.	14.	4.	3.	3.4	2.
%RSD	.1712	.5668	.1805	.1298	.3480	.0882

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

Sample Name: CCV Acquired: 11/10/2012 16:17:51 Type: QC
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	999.3	5076.	9947.	9962.
Stddev	2.6	2.	25.	146.
%RSD	.2564	.0435	.2470	1.466

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	2406.9	30629.	8975.4
Stddev	17.6	332.	169.7
%RSD	.73052	1.0850	1.8903

Sample Name: CCB Acquired: 11/10/2012 16:21:23 Type: QC
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.100	-.2337	.2974	.6127	.0327	89.05
Stddev	23.56	.4737	.9266	.1937	.0919	36.61
%RSD	1122.	202.7	311.6	31.61	280.9	41.11

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	.1012	.2019	.6311	-1.454	14.02	113.9
Stddev	.0502	.2707	.4016	4.292	17.78	50.9
%RSD	49.62	134.1	63.64	295.1	126.8	44.67

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.00	.5876	-63.64	.6066	1.918	3.095
Stddev	12.74	.3852	36.03	.8529	.375	2.993
%RSD	98.01	65.55	56.62	140.6	19.54	96.71

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.901	1.558	.7155	1.869	1.011	.4581
Stddev	4.442	2.048	.2727	.172	.766	.4425
%RSD	113.9	131.5	38.11	9.207	75.77	96.61

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

Sample Name: CCB Acquired: 11/10/2012 16:21:23 Type: QC
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8753	.4912	.8841	-19.40
Stddev	1.054	.4093	.2460	5.66
%RSD	120.4	83.33	27.83	29.20

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	2664.0	34500.	9367.3
Stddev	5.1	180.	50.1
%RSD	.19022	.52215	.53508

Sample Name: mb 460-135041/1-a@2 Acquired: 11/10/2012 16:25:08 Type: QC
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.549	-2.743	-.1248	.2912	-.2648	47.28
Stddev	11.14	2.192	.2647	.0707	.0619	12.83
%RSD	437.0	79.92	212.1	24.27	23.39	27.13

Check ?	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
High Limit	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Low Limit	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass

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	-.1277	-.0620	-.3485	-1.526	9.060	28.36
Stddev	.2560	.2393	.4462	3.447	8.240	10.39
%RSD	200.6	385.9	128.0	225.8	90.96	36.62

Check ?	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
High Limit	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Low Limit	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass

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	-.1652	.0764	-89.94	-.4230	.7113	2.658
Stddev	1.094	.1474	2.28	.3469	1.087	1.238
%RSD	661.9	192.8	2.539	82.02	152.8	46.56

Check ?	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
High Limit	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Low Limit	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass

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 -5.106	-2.153	.6445	.6398	11.06	.1037
Stddev	2.986	2.268	.6317	.2153	.52	.2870
%RSD	58.48	105.3	98.02	33.65	4.707	276.6

Check ?	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
High Limit	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Low Limit	5.000	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
	-5.000					

Sample Name: mb 460-135041/1-a@2 Acquired: 11/10/2012 16:25:08 Type: QC
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.7053	.2875	.0468	1.354
Stddev	.2030	.0495	2.251	6.117
%RSD	28.78	17.22	4808.	451.6

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	2637.5	34395.	9280.1
Stddev	9.8	56.	40.9
%RSD	.37240	.16235	.44091

Sample Name: 460-46454-f-5-b@4 Acquired: 11/10/2012 16:28:51 Type: Unk
Method: CW846_111012(v3) 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	76680.	10.44	-2.931	418.1	3.190	2052.
Stddev	146.	.51	.142	.6	.096	12.
%RSD	.1900	4.894	4.849	.1338	3.014	.5931

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	2.987	30.93	70.39	25.99	136800.	5633.
Stddev	.157	.21	.74	2.21	210.	8.
%RSD	5.264	.6751	1.056	8.523	.1533	.1500

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	5414.	1995.	781.9	17.31	23.06	3.992
Stddev	19.	1.	.8	.54	2.09	1.778
%RSD	.3453	.0585	.0993	3.145	9.052	44.53

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -14.26	-5.707	126.2	130.3	3.682	4.238
Stddev	3.14	5.115	1.2	.3	.486	.675
%RSD	22.04	89.64	.9479	.1928	13.21	15.92

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5000.					
Low Limit	-10.00					

Sample Name: 460-46454-f-5-b@4 Acquired: 11/10/2012 16:28:51 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3536	25.14	1975.	1293.
Stddev	.7961	.09	7.	10.
%RSD	225.1	.3673	.3454	.8107

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	3223.6	40946.	11502.
Stddev	12.9	134.	27.
%RSD	.40052	.32716	.23331

Sample Name: 460-46784-a-3-a@4 Acquired: 11/10/2012 16:32:27 Type: Unk
Method: CW846_111012(v3) 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	34980.	28.87	-.3290	117.6	1.362	14330.
Stddev	61.	1.90	.9250	.7	.141	53.
%RSD	.1740	6.577	281.1	.6127	10.33	.3733

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	3.760	22.16	153.7	84.26	74250.	9489.
Stddev	.131	.09	.4	5.07	352.	24.
%RSD	3.477	.4164	.2661	6.022	.4746	.2561

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	20640.	732.9	22020.	67.11	138.0	2.653
Stddev	95.	2.5	44.	.90	1.1	2.504
%RSD	.4599	.3459	.1982	1.337	.7643	94.42

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.648	-7.326	137.2	364.8	90.79	6.215
Stddev	2.027	3.821	.7	.7	.76	.136
%RSD	26.51	52.15	.5081	.1892	.8326	2.180

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

Sample Name: 460-46784-a-3-a@4 Acquired: 11/10/2012 16:32:27 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10.68	92.85	1885.	1770.
Stddev	.96	.28	5.	5.
%RSD	8.982	.3033	.2892	.3087

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	2672.9	34327.	9768.6
Stddev	2.0	128.	21.3
%RSD	.07384	.37305	.21835

Sample Name: 460-46784-a-4-a@4 Acquired: 11/10/2012 16:36:05 Type: Unk
Method: CW846_111012(v3) 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	7389.	2.882	-.6461	18.14	.1711	3506.
Stddev	24.	1.731	.8421	.17	.0403	10.
%RSD	.3181	60.06	130.3	.9174	23.55	.2957

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	.3101	5.400	25.60	10.90	14420.	1696.
Stddev	.2686	.281	.17	.71	23.	20.
%RSD	86.63	5.213	.6622	6.474	.1572	1.163

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	3990.	140.9	3303.	13.54	16.23	1.251
Stddev	12.	.3	3.	.55	1.54	1.412
%RSD	.3116	.2053	.1050	4.091	9.513	112.9

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.861	-1.792	22.45	63.67	17.06	.8436
Stddev	2.227	2.528	.82	.29	.20	.2364
%RSD	57.67	141.1	3.668	.4582	1.174	28.02

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

Sample Name: 460-46784-a-4-a@4 Acquired: 11/10/2012 16:36:05 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.351	19.78	426.2	1269.
Stddev	.528	.22	.7	16.
%RSD	39.12	1.137	.1552	1.295

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	2639.6	34058.	9411.2
Stddev	7.6	103.	25.4
%RSD	.28854	.30131	.27040

Sample Name: 460-46784-a-14-a@4 Acquired: 11/10/2012 16:39:45 Type: Unk
Method: CW846_111012(v3) 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	19730.	14.83	-1.017	63.99	.6396	8417.
Stddev	42.	4.59	.109	.42	.0439	29.
%RSD	.2149	30.92	10.69	.6550	6.867	.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	1.883	12.59	85.52	43.96	42350.	5300.
Stddev	.121	.25	1.59	3.19	114.	9.
%RSD	6.435	1.960	1.858	7.249	.2697	.1694

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	11560.	415.1	12400.	37.02	72.74	2.112
Stddev	26.	1.3	18.	.68	2.18	2.657
%RSD	.2215	.3225	.1454	1.832	2.995	125.8

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9775	-7.011	75.17	200.3	50.96	3.281
Stddev	5.868	1.726	.32	.3	.63	.786
%RSD	600.3	24.62	.4276	.1334	1.235	23.95

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

Sample Name: 460-46784-a-14-a@4 Acquired: 11/10/2012 16:39:45 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.825	57.86	1140.	1678.
Stddev	.730	.12	7.	20.
%RSD	15.13	.2011	.6001	1.200

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2623.9	33731.	9428.6
Stddev	6.5	185.	44.4
%RSD	.24717	.54889	.47143

Sample Name: 460-46784-a-15-a@4 Acquired: 11/10/2012 16:43:23 Type: Unk
Method: CW846_111012(v3) 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	37800.	32.23	-1.314	130.6	1.300	12250.
Stddev	18.	2.40	.553	.6	.073	69.
%RSD	.0466	7.456	42.07	.4332	5.626	.5648

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	3.725	22.73	161.5	109.0	81730.	10380.
Stddev	.154	.22	1.6	1.3	219.	26.
%RSD	4.144	.9495	.9600	1.193	.2677	.2480

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	19950.	703.4	14770.	69.97	181.2	4.366
Stddev	58.	1.2	2.	.99	1.2	3.501
%RSD	.2887	.1701	.0111	1.410	.6498	80.19

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-9.835	-2.704	144.3	411.2	76.71	11.39
Stddev	.902	4.463	.7	.4	.31	.59
%RSD	9.173	165.0	.4677	.1068	.4037	5.166

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

Sample Name: 460-46784-a-15-a@4 Acquired: 11/10/2012 16:43:23 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	15.33	83.78	2028.	1707.
Stddev	1.11	.14	3.	3.
%RSD	7.239	.1701	.1479	.1713

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	2670.8	34317.	9632.2
Stddev	7.4	82.	63.1
%RSD	.27813	.23873	.65461

Sample Name: 460-46784-a-16-a@4 Acquired: 11/10/2012 16:47:00 Type: Unk
Method: CW846_111012(v3) 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	32180.	26.39	.0191	106.0	1.141	13710.
Stddev	125.	1.44	.7006	.6	.025	57.
%RSD	.3875	5.439	3673.	.5958	2.175	.4149

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	3.362	21.02	145.1	78.85	70290.	8934.
Stddev	.172	.28	.8	.96	206.	39.
%RSD	5.108	1.331	.5816	1.214	.2933	.4411

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	19270.	727.4	21420.	62.07	127.0	8.700
Stddev	66.	1.1	90.	.51	2.2	4.877
%RSD	.3414	.1520	.4189	.8207	1.712	56.06

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.266	-4.663	129.2	336.6	87.03	5.964
Stddev	6.376	.527	.3	.8	1.31	.609
%RSD	195.2	11.31	.2539	.2346	1.509	10.20

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

Sample Name: 460-46784-a-16-a@4 Acquired: 11/10/2012 16:47:00 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10.54	96.83	1787.	1678.
Stddev	1.64	.44	9.	15.
%RSD	15.59	.4502	.5154	.9073

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	2654.3	34115.	9621.7
Stddev	5.7	64.	44.7
%RSD	.21572	.18815	.46508

Sample Name: 460-46784-a-17-a@4 Acquired: 11/10/2012 16:50:38 Type: Unk
Method: CW846_111012(v3) 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	39490.	37.50	-3545	131.0	1.549	15570.
Stddev	68.	1.00	.4467	.7	.108	80.
%RSD	.1719	2.676	126.0	.5080	6.953	.5164

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	4.660	26.65	179.6	105.8	87500.	10820.
Stddev	.242	.23	.6	.7	12.	27.
%RSD	5.186	.8618	.3137	.6323	.0136	.2471

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	22790.	926.7	23940.	78.97	157.2	5.260
Stddev	29.	.8	38.	.80	.3	2.859
%RSD	.1274	.0826	.1591	1.012	.2060	54.35

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -12.09	-3.283	162.1	449.4	103.9	8.242
Stddev	4.38	4.105	1.5	.3	.3	.834
%RSD	36.23	125.1	.9451	.0583	.2873	10.11

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5000.					
Low Limit	-10.00					

Sample Name: 460-46784-a-17-a@4 Acquired: 11/10/2012 16:50:38 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	12.46	130.2	2147.	1696.
Stddev	.74	.4	2.	21.
%RSD	5.969	.2696	.1043	1.210

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	2654.7	34160.	9647.6
Stddev	3.3	49.	65.4
%RSD	.12300	.14293	.67817

Sample Name: 460-46784-a-19-a@4 Acquired: 11/10/2012 16:54:16 Type: Unk
Method: CW846_111012(v3) 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	33150.	26.12	-8505	108.2	1.289	9672.
Stddev	57.	2.25	.1542	.3	.026	34.
%RSD	.1720	8.633	18.13	.3009	2.036	.3558

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	2.976	19.97	145.8	84.43	66810.	8754.
Stddev	.197	.26	.8	2.64	98.	65.
%RSD	6.620	1.304	.5478	3.127	.1471	.7424

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	17790.	631.4	14720.	60.80	117.9	6.435
Stddev	22.	1.0	37.	.62	1.7	2.102
%RSD	.1213	.1617	.2516	1.013	1.471	32.66

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.784	-2.725	123.8	314.9	77.23	6.227
Stddev	6.270	1.705	.9	.2	.74	.052
%RSD	92.42	62.56	.7134	.0594	.9640	.8343

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

Sample Name: 460-46784-a-19-a@4 Acquired: 11/10/2012 16:54:16 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10.56	81.92	1800.	1775.
Stddev	.28	.15	5.	13.
%RSD	2.650	.1871	.2669	.7528

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	2658.9	34143.	9560.1
Stddev	6.2	172.	8.3
%RSD	.23310	.50355	.08678

Sample Name: 460-46784-a-21-a@4 Acquired: 11/10/2012 16:57:54 Type: Unk
Method: CW846_111012(v3) 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	38760.	34.72	.9212	133.4	1.467	17100.
Stddev	114.	3.26	.1518	.1	.142	58.
%RSD	.2949	9.381	16.47	.1079	9.653	.3403

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	3.638	23.91	177.8	93.04	85430.	10460.
Stddev	.257	.43	.7	2.18	253.	16.
%RSD	7.053	1.784	.3953	2.348	.2957	.1485

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	22190.	802.3	19630.	73.46	154.6	4.735
Stddev	100.	1.6	53.	.91	1.7	2.827
%RSD	.4507	.2042	.2717	1.241	1.097	59.71

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.997	1.091	159.1	383.1	92.33	8.489
Stddev	1.690	1.466	1.3	.8	1.23	.641
%RSD	21.13	134.3	.8206	.2085	1.329	7.554

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

Sample Name: 460-46784-a-21-a@4 Acquired: 11/10/2012 16:57:54 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	12.73	108.5	2085.	1746.
Stddev	.40	.4	7.	37.
%RSD	3.172	.4044	.3329	2.101

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	2657.9	33977.	9636.4
Stddev	6.8	33.	77.8
%RSD	.25420	.09669	.80767

Sample Name: CCV Acquired: 11/10/2012 17:01:33 Type: QC
Method: CW846_111012(v3) 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	126000.	2515.	1251.	10270.	992.9	124400.
Stddev	231.	4.	2.	17.	2.0	441.
%RSD	.1835	.1746	.1303	.1618	.2003	.3549

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.	2594.	5072.	12690.	102600.	51240.
Stddev	2.	6.	8.	20.	183.	53.
%RSD	.1796	.2278	.1572	.1603	.1783	.1034

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127400.	5142.	129200.	2609.	7655.	1009.
Stddev	354.	7.	255.	6.	14.	9.
%RSD	.2774	.1266	.1970	.2283	.1775	.9268

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2555.	2596.	2486.	2509.	1003.	2564.
Stddev	9.	8.	5.	5.	1.	3.
%RSD	.3673	.2943	.2149	.1898	.1181	.1233

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

Sample Name: CCV Acquired: 11/10/2012 17:01:33 Type: QC
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1019.	5126.	10170.	10020.
Stddev	3.	32.	9.	31.
%RSD	.2535	.6301	.0916	.3082

Check ?	Sn1899	Sr4077	Ti3349	Si2881
Value	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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	2380.3	30182.	8895.3
Stddev	2.3	36.	54.5
%RSD	.09474	.11999	.61307

Sample Name: CCB Acquired: 11/10/2012 17:05:05 Type: QC
Method: CW846_111012(v3) 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	-9.689	-1.737	-.0668	.4873	-.0385	89.74
Stddev	17.59	2.875	.5663	.5110	.0779	26.69
%RSD	181.6	165.5	848.0	104.9	202.4	29.74

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	-.0112	-.2348	.4592	-.5828	10.87	121.0
Stddev	.2380	.2687	.6101	1.848	17.67	109.3
%RSD	2134.	114.4	132.9	317.1	162.5	90.36

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.86	.4363	-59.42	-.3739	.4693	6.409
Stddev	4.07	.3749	41.39	.9475	2.446	4.256
%RSD	29.34	85.93	69.66	253.4	521.3	66.41

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.690	-2.050	.7392	1.864	.6493	.2127
Stddev	2.086	4.821	.5649	.084	.6007	.5504
%RSD	36.65	235.1	76.41	4.499	92.52	258.7

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

Sample Name: CCB Acquired: 11/10/2012 17:05:05 Type: QC
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3637	.5035	3.014	-27.30
Stddev	.6268	.4706	.585	12.91
%RSD	172.3	93.46	19.40	47.28

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	2632.0	34213.	9162.0
Stddev	7.5	169.	44.9
%RSD	.28510	.49524	.49035

Sample Name: 460-46784-a-25-a@4 Acquired: 11/10/2012 17:08:49 Type: Unk
Method: CW846_111012(v3) 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	17010.	13.41	-.9607	55.81	.4950	8588.
Stddev	51.	2.22	.5579	.45	.1790	18.
%RSD	.3010	16.57	58.07	.8031	36.17	.2097

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	1.657	11.24	72.60	36.55	36810.	4411.
Stddev	.189	.28	.40	1.21	147.	11.
%RSD	11.39	2.468	.5570	3.313	.3982	.2544

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	9508.	370.2	2544.	32.57	64.27	3.423
Stddev	35.	1.0	.	1.35	1.29	2.354
%RSD	.3646	.2648	.0180	4.142	2.000	68.77

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.507	-1.592	62.66	182.0	41.12	3.196
Stddev	2.683	2.509	.53	.2	.29	.438
%RSD	107.0	157.6	.8510	.1340	.6982	13.70

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

Sample Name: 460-46784-a-25-a@4 Acquired: 11/10/2012 17:08:49 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.418	58.34	1005.	1667.
Stddev	.878	.07	3.	3.
%RSD	19.88	.1282	.2944	.1857

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	2708.0	35100.	9737.7
Stddev	4.9	87.	25.8
%RSD	.18138	.24886	.26476

Sample Name: 460-46784-a-27-a@4 Acquired: 11/10/2012 17:12:28 Type: Unk
Method: CW846_111012(v3) 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	12580.	8.482	-.9286	37.52	.3480	7374.
Stddev	9.	1.552	.5468	.11	.0442	33.
%RSD	.0713	18.29	58.88	.3018	12.70	.4503

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	.8895	9.361	51.41	36.59	27020.	2847.
Stddev	.1851	.203	.48	1.46	65.	18.
%RSD	20.81	2.168	.9326	4.005	.2402	.6290

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	6213.	257.7	1635.	23.47	45.76	6.089
Stddev	18.	.3	2.	.16	2.47	1.477
%RSD	.2954	.1332	.0990	.6888	5.402	24.26

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.629	-1.511	44.74	120.4	23.87	3.553
Stddev	3.157	4.087	.77	.3	1.77	.237
%RSD	193.8	270.4	1.712	.2563	7.416	6.677

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

Sample Name: 460-46784-a-27-a@4 Acquired: 11/10/2012 17:12:28 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.513	34.90	754.6	1497.
Stddev	.414	.14	.7	15.
%RSD	16.48	.3926	.0958	.9726

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	2681.4	34770.	9640.8
Stddev	4.4	96.	28.8
%RSD	.16275	.27648	.29882

Sample Name: 460-46784-a-28-a@4 Acquired: 11/10/2012 17:16:07 Type: Unk
Method: CW846_111012(v3) 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	19670.	18.18	.3089	69.95	.6189	8293.
Stddev	59.	1.93	.8976	.31	.0841	64.
%RSD	.3013	10.63	290.6	.4411	13.60	.7712

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	1.685	13.38	86.35	44.07	45370.	5364.
Stddev	.176	.26	.72	2.17	91.	24.
%RSD	10.45	1.913	.8360	4.925	.2009	.4527

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	11080.	390.3	9746.	36.93	82.55	4.212
Stddev	59.	.5	22.	1.07	1.75	1.932
%RSD	.5306	.1160	.2299	2.900	2.118	45.86

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.920	-2.457	78.83	188.9	52.01	3.679
Stddev	3.467	1.600	.57	.1	.43	.383
%RSD	88.46	65.13	.7265	.0714	.8274	10.41

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

Sample Name: 460-46784-a-28-a@4 Acquired: 11/10/2012 17:16:07 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.104	84.60	1133.	1671.
Stddev	.720	.13	5.	11.
%RSD	14.10	.1540	.4070	.6762

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	2646.5	34300.	9572.4
Stddev	6.2	105.	.6
%RSD	.23539	.30750	.00579

Sample Name: 460-46784-a-29-a@4 Acquired: 11/10/2012 17:19:45 Type: Unk
Method: CW846_111012(v3) 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	5007.	2.188	-4.501	10.54	.1611	3046.
Stddev	14.	3.515	.5900	.04	.1082	6.
%RSD	.2889	160.6	131.1	.3648	67.16	.1972

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	.1666	4.077	16.93	7.312	10360.	1051.
Stddev	.0742	.058	.31	2.542	37.	15.
%RSD	44.55	1.422	1.829	34.76	.3588	1.397

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	2644.	113.5	2226.	8.579	9.459	-.9370
Stddev	9.	.3	15.	.554	1.943	2.339
%RSD	.3378	.2934	.6794	6.455	20.54	249.6

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5949	-2.860	15.28	39.79	12.37	.2261
Stddev	2.648	3.107	.60	.23	.43	.6518
%RSD	445.1	108.6	3.899	.5908	3.496	288.2

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

Sample Name: 460-46784-a-29-a@4 Acquired: 11/10/2012 17:19:45 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3965	15.66	322.1	914.7
Stddev	.6049	.07	1.1	18.8
%RSD	152.6	.4411	.3394	2.049

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	2679.5	34648.	9516.2
Stddev	5.5	90.	23.6
%RSD	.20678	.25901	.24809

Sample Name: 460-46784-a-30-a@4 Acquired: 11/10/2012 17:23:25 Type: Unk
Method: CW846_111012(v3) 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	30750.	25.77	-1.1071	97.06	1.320	13410.
Stddev	79.	3.55	.8562	.60	.066	40.
%RSD	.2581	13.78	799.3	.6134	4.966	.2982

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	3.205	20.43	137.2	91.20	66080.	7922.
Stddev	.044	.33	.8	2.61	89.	42.
%RSD	1.388	1.601	.5743	2.858	.1339	.5257

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	17430.	643.1	10670.	61.67	125.3	1.660
Stddev	13.	1.0	35.	.60	2.9	3.506
%RSD	.0762	.1524	.3323	.9760	2.301	211.3

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.856	-1.431	115.4	334.4	68.86	7.448
Stddev	6.573	4.724	.9	.7	1.23	.320
%RSD	95.87	330.1	.8114	.2171	1.782	4.298

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

Sample Name: 460-46784-a-30-a@4 Acquired: 11/10/2012 17:23:25 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10.74	85.71	1652.	1661.
Stddev	.68	.19	4.	7.
%RSD	6.294	.2202	.2687	.4483

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	2711.9	34938.	9927.7
Stddev	2.6	92.	90.4
%RSD	.09765	.26202	.91024

Sample Name: 460-46784-a-31-a@4 Acquired: 11/10/2012 17:27:03 Type: Unk
Method: CW846_111012(v3) 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	24940.	21.34	-.4139	82.24	.9090	10240.
Stddev	14.	.34	.4772	.11	.1081	47.
%RSD	.0560	1.587	115.3	.1386	11.89	.4548

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	2.588	16.67	111.0	60.83	54210.	6750.
Stddev	.103	.36	.9	6.06	37.	12.
%RSD	3.964	2.132	.8429	9.966	.0673	.1797

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	15060.	528.1	16430.	49.36	94.35	4.501
Stddev	12.	.4	24.	.45	1.50	2.126
%RSD	.0772	.0710	.1467	.9086	1.593	47.24

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.284	-1.135	94.41	257.6	63.53	4.561
Stddev	3.220	1.147	1.01	.7	.40	.604
%RSD	98.08	101.1	1.070	.2697	.6230	13.25

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

Sample Name: 460-46784-a-31-a@4 Acquired: 11/10/2012 17:27:03 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	7.611	71.67	1394.	1598.
Stddev	.960	.07	2.	14.
%RSD	12.61	.0992	.1210	.8688

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	2663.2	34438.	9704.4
Stddev	5.5	44.	68.0
%RSD	.20803	.12728	.70024

Sample Name: 460-46784-a-35-a@4 Acquired: 11/10/2012 17:30:41 Type: Unk
Method: CW846_111012(v3) 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	24220.	17.45	-.0641	79.88	.7419	8770.
Stddev	37.	.95	.3718	.63	.0968	37.
%RSD	.1528	5.434	579.6	.7872	13.05	.4252

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	2.177	14.35	106.1	59.87	50410.	6387.
Stddev	.259	.14	1.1	2.00	25.	32.
%RSD	11.88	.9920	1.014	3.338	.0492	.4942

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	13060.	467.2	5987.	43.17	84.74	3.087
Stddev	29.	.4	15.	.69	.75	5.782
%RSD	.2184	.0789	.2487	1.603	.8903	187.3

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.260	2.954	90.93	215.3	54.27	5.143
Stddev	3.269	2.604	.24	.4	2.13	.603
%RSD	76.75	88.16	.2591	.1877	3.923	11.73

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

Sample Name: 460-46784-a-35-a@4 Acquired: 11/10/2012 17:30:41 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9.006	62.06	1362.	1619.
Stddev	.492	.17	5.	25.
%RSD	5.469	.2742	.3792	1.520

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	2691.6	34830.	9673.5
Stddev	5.8	77.	85.2
%RSD	.21433	.22019	.88064

Sample Name: 460-46687-j-2-c du Acquired: 11/10/2012 17:34:19 Type: Unk
Method: CW846_111012(v3) 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	74.13	-2.977	.1971	31.91	1.119	16960.
Stddev	28.87	1.905	.5675	.46	.137	194.
%RSD	38.95	63.99	287.9	1.437	12.26	1.144

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	5.999	58.81	1.271	-1.846	1611.	3492.
Stddev	.191	.26	.160	.830	8.	35.
%RSD	3.183	.4494	12.57	44.93	.4684	.9916

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	12620.	403.0	26300.	127.3	5.999	3.261
Stddev	45.	1.3	120.	.8	1.021	4.806
%RSD	.3581	.3269	.4565	.6126	17.02	147.4

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.544	2.610	.3094	353.9	27.21	-.0977
Stddev	3.422	4.529	.6665	.6	1.08	.5127
%RSD	134.5	173.5	215.4	.1737	3.957	525.0

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

Sample Name: 460-46687-j-2-c du Acquired: 11/10/2012 17:34:19 Type: Unk
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6421	141.3	1.370	11620.
Stddev	.5234	.4	.468	69.
%RSD	81.53	.3004	34.13	.5896

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	2672.2	34386.	9630.4
Stddev	6.8	48.	73.8
%RSD	.25367	.14087	.76655

Sample Name: 460-46687-j-2-b Acquired: 11/10/2012 17:37:58 Type: Unk
Method: CW846_111012(v3) 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	71.78	-3.074	.0920	31.92	1.081	16730.
Stddev	11.75	3.423	1.054	.45	.069	29.
%RSD	16.37	111.3	1146.	1.415	6.349	.1704

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	5.925	58.35	1.056	-2.302	1611.	3467.
Stddev	.278	.23	.836	1.478	10.	5.
%RSD	4.688	.3924	79.11	64.22	.6338	.1314

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	12620.	402.2	26250.	128.6	2.730	2.505
Stddev	29.	.3	35.	.8	1.398	1.986
%RSD	.2278	.0647	.1344	.6019	51.20	79.28

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.261	1.938	.4580	353.2	26.73	.1414
Stddev	7.619	2.379	.4278	1.0	.99	.4421
%RSD	233.7	122.8	93.40	.2869	3.712	312.7

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

Sample Name: 460-46687-j-2-b Acquired: 11/10/2012 17:37:58 Type: Unk
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-2.464	141.4	1.964	11570.
Stddev	.917	.1	1.311	103.
%RSD	37.22	.0868	66.72	.8903

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	2674.5	34419.	9673.5
Stddev	23.5	243.	74.7
%RSD	.87885	.70464	.77224

Sample Name: lcs 460-134978/2-a Acquired: 11/10/2012 17:41:38 Type: QC
Method: CW846_111012(v3) 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	2010.	1956.	47.20	2061.	48.57	20490.
Stddev	13.	2.	.33	2.	.15	81.
%RSD	.6221	.0943	.7071	.0951	.3185	.3939

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.59	516.6	197.4	242.7	1027.	19820.
Stddev	.40	1.3	.8	.6	5.	34.
%RSD	.7983	.2456	.4105	.2594	.4890	.1702

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	20230.	508.0	20760.	524.6	523.9	472.7
Stddev	105.	1.5	52.	1.4	.2	6.6
%RSD	.5208	.2871	.2518	.2703	.0298	1.391

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1987.	2221.	481.4	501.1	516.5	486.8
Stddev	6.	3.	.6	1.2	.5	.8
%RSD	.3018	.1462	.1170	.2414	.1009	.1641

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

Sample Name: lcs 460-134978/2-a Acquired: 11/10/2012 17:41:38 Type: QC
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	515.9	490.7	491.8	45.85
Stddev	1.5	.7	3.6	16.33
%RSD	.2937	.1435	.7239	35.61

Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2601.2	33550.	9398.6
Stddev	5.3	45.	70.4
%RSD	.20287	.13442	.74868

Sample Name: CCV Acquired: 11/10/2012 17:45:10 Type: QC
Method: CW846_111012(v3) 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	124100.	2470.	1228.	10100.	984.1	123800.
Stddev	624.	21.	5.	48.	6.3	1022.
%RSD	.5028	.8525	.3800	.4727	.6449	.8257

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	1242.	2534.	4955.	12480.	99790.	50680.
Stddev	7.	10.	13.	81.	297.	191.
%RSD	.5612	.3787	.2603	.6480	.2978	.3773

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	123500.	5038.	127700.	2552.	7524.	996.4
Stddev	330.	19.	784.	9.	29.	12.4
%RSD	.2673	.3714	.6135	.3480	.3916	1.245

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2515.	2535.	2445.	2458.	991.8	2514.
Stddev	11.	5.	12.	12.	4.5	9.
%RSD	.4205	.1788	.4924	.4679	.4509	.3666

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

Sample Name: CCV Acquired: 11/10/2012 17:45:10 Type: QC
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1001.	5041.	10040.	9942.
Stddev	3.	37.	62.	14.
%RSD	.3018	.7427	.6204	.1411

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	2429.0	30935.	9160.8
Stddev	12.7	94.	38.6
%RSD	.52405	.30444	.42104

Sample Name: CCB Acquired: 11/10/2012 17:48:42 Type: QC
Method: CW846_111012(v3) 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	-9.401	-1.619	-.6573	.1199	-.0286	52.58
Stddev	6.885	4.945	.6219	.4315	.1058	17.41
%RSD	73.24	305.4	94.61	360.0	370.0	33.10

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	-.0980	.0410	.6093	-2.123	7.212	111.3
Stddev	.0376	.2234	.2208	1.214	11.62	81.4
%RSD	38.39	544.4	36.23	57.17	161.1	73.12

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	10.62	.4720	-55.84	-.0674	3.487	3.106
Stddev	9.09	.2423	37.11	1.284	3.056	1.225
%RSD	85.67	51.34	66.45	1904.	87.63	39.42

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.850	-.5717	.5637	1.165	1.889	.2847
Stddev	5.552	3.354	.3104	.165	.409	.5833
%RSD	194.8	586.6	55.06	14.14	21.64	204.9

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

Sample Name: CCB Acquired: 11/10/2012 17:48:42 Type: QC
 Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5152	.4140	.4542	-28.76
Stddev	1.678	.3146	1.022	15.96
%RSD	325.8	75.99	225.1	55.47

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	2641.4	34290.	9308.8
Stddev	4.0	131.	55.3
%RSD	.15029	.38273	.59417

Sample Name: mb 460-134977/1-b Acquired: 11/10/2012 17:52:27 Type: QC

Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.297	.6017	-.5816	-.1300	-.0388	19.67
Stddev	14.19	1.973	.3207	.0728	.0346	15.22
%RSD	330.3	327.8	55.15	55.98	89.05	77.35

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	-.1836	-.3177	.7619	-.9946	3.405	40.18
Stddev	.1154	.0931	.3333	2.619	2.038	5.92
%RSD	62.88	29.29	43.74	263.3	59.85	14.73

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	2.725	.1287	-118.1	.2347	1.818	3.995
Stddev	1.999	.1049	3.7	.3140	.897	2.007
%RSD	73.37	81.50	3.170	133.8	49.31	50.25

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

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3042	3.138	.7409	.3172	.8016	.3288
Stddev	7.602	.739	.7887	.0384	1.278	.2929
%RSD	2499.	23.56	106.5	12.12	159.4	89.08

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

Sample Name: mb 460-134977/1-b Acquired: 11/10/2012 17:52:27 Type: QC
Method: CW846_111012(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.700	-.0260	-.5660	-17.29
Stddev	.741	.0675	.3887	5.40
%RSD	43.61	259.7	68.67	31.26

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	2704.1	34995.	9460.8
Stddev	20.8	356.	84.2
%RSD	.76769	1.0182	.89018

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-43877-1

SDG No.: _____

Batch Number: 134824 Batch Start Date: 11/08/12 08:15 Batch Analyst: Chen, MandiBatch Method: 3050B Batch End Date: 11/08/12 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_LCS-int 00033	ME_LCSS_77 00002	
MB 460-134824/1		3050B, 6010B		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-134824/2		3050B, 6010B		CALC NOT SET TO RUN	1.04 g	50 mL		1 g	
460-46704-A-13 DU		3050B, 6010B	T	CALC NOT SET TO RUN	1.05 g	50 mL			
460-46704-A-13 MS		3050B, 6010B	T	CALC NOT SET TO RUN	1.05 g	50 mL	2 mL		
460-43877-A-2	SO-17338-082312- mm-210	3050B, 6010B	T	CALC NOT SET TO RUN	1.01 g	50 mL			
460-43877-A-9	SO-17338-082312- mm-217	3050B, 6010B	T	CALC NOT SET TO RUN	1.04 g	50 mL			
460-43877-A-10	SO-17338-082312- mm-218	3050B, 6010B	T	CALC NOT SET TO RUN	1.05 g	50 mL			

Batch Notes	
Balance ID	35
Hydrogen peroxide lot number	K45J00
Lot # of hydrochloric acid	L02A02
Logbook ID for diluted Nitric	MPR197
Lot # of Nitric Acid	L12065
Hood ID or number	8
Hot Block ID number	1
Pipette ID	25
Temperature	95 uncorr, 94 corr Degrees C
ID number of the thermometer	ICP-2
Digestion Tube/Cup Lot #	147898264

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-43877-1
SDG No.: _____
Project: 17338-T04-2012, GM Wilmington

Client Sample ID	Lab Sample ID
SO-17338-082312-mm-209	460-43877-1
SO-17338-082312-mm-210	460-43877-2
SO-17338-082312-mm-211	460-43877-3
SO-17338-082312-mm-212	460-43877-4
SO-17338-082312-mm-213	460-43877-5
SO-17338-082312-mm-214	460-43877-6
SO-17338-082312-mm-215	460-43877-7
SO-17338-082312-mm-216	460-43877-8
SO-17338-082312-mm-217	460-43877-9
SO-17338-082312-mm-218	460-43877-10
SO-17338-082312-mm-219	460-43877-11

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-43877-1
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: 460-43877-1
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.: 460-43877-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/26/2012 18:17 End Date: 08/26/2012 18:17

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			18:17																		
460-43868-A-1 MS	1	T	18:17	X	X																
460-43868-A-1 MSD	1	T	18:17	X	X																
ZZZZZZ			18:17																		
ZZZZZZ			18:17																		
ZZZZZZ			18:17																		
ZZZZZZ			18:17																		
ZZZZZZ			18:17																		
ZZZZZZ			18:17																		
460-43877-1	1	T	18:17	X	X																
460-43877-2	1	T	18:17	X	X																
460-43877-3	1	T	18:17	X	X																
460-43877-4	1	T	18:17	X	X																
460-43877-5	1	T	18:17	X	X																
460-43877-6	1	T	18:17	X	X																
460-43877-7	1	T	18:17	X	X																
460-43877-8	1	T	18:17	X	X																
460-43877-9	1	T	18:17	X	X																
460-43877-10	1	T	18:17	X	X																
460-43877-11	1	T	18:17	X	X																
ZZZZZZ			18:17																		

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-43877-1

SDG No.: _____

Batch Number: 125606 Batch Start Date: 08/26/12 18:17 Batch Analyst: Dave, VirendraBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-43868-A-1 MS		Moisture	T	44	1.06 g	7.80 g	7.54 g		
460-43868-A-1 MSD		Moisture	T	45	1.06 g	7.80 g	7.54 g		
460-43877-A-1	SO-17338-082312-mm-209	Moisture	T	52	1.02 g	9.03 g	7.41 g		
460-43877-A-2	SO-17338-082312-mm-210	Moisture	T	53	0.99 g	6.06 g	5.32 g		
460-43877-A-3	SO-17338-082312-mm-211	Moisture	T	54	1.02 g	8.71 g	7.30 g		
460-43877-A-4	SO-17338-082312-mm-212	Moisture	T	55	1.09 g	8.17 g	7.67 g		
460-43877-A-5	SO-17338-082312-mm-213	Moisture	T	56	1.06 g	9.79 g	8.77 g		
460-43877-A-6	SO-17338-082312-mm-214	Moisture	T	57	0.97 g	6.19 g	5.75 g		
460-43877-A-7	SO-17338-082312-mm-215	Moisture	T	58	0.97 g	7.56 g	6.88 g		
460-43877-A-8	SO-17338-082312-mm-216	Moisture	T	59	1.01 g	6.92 g	6.27 g		
460-43877-A-9	SO-17338-082312-mm-217	Moisture	T	60	1.05 g	7.51 g	6.97 g		
460-43877-A-10	SO-17338-082312-mm-218	Moisture	T	61	1.02 g	6.10 g	5.70 g		
460-43877-A-11	SO-17338-082312-mm-219	Moisture	T	62	1.04 g	7.46 g	6.86 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	8/26/12
Oven Temp when samples are put in oven	104 Degrees C
Time samples were place in the oven	19:25
Date samples were removed from oven	8/27/12
Oven Temp when samples removed from oven	Oven-2 103 Degrees C
Time Samples were removed from oven	8:07
Oven ID	2
ID number of the thermometer	2935
Uncorrected Out Temperature	None Celsius

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-43877-1

SDG No.: _____

Batch Number: 125606 Batch Start Date: 08/26/12 18:17 Batch Analyst: Dave, VirendraBatch Method: Moisture Batch End Date: _____

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

TestAmerica

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page ____ of ____

Name (for report and invoice) CRA'S BAKOR		Samplers Name (Printed) M. MYLER		Site/Project Identification EDGEMERE GYM	
Company CRA		P.O. # 17338		State (Location of site): NJ ☐ NY ☐ Other: DE	
Address		Analysis Turnaround Time Standard ☐ Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☒ 5 DAY		Regulatory Program: DMR	
City BUFFALO NY	State	Analysis Requested (Enter X below to indicate request)		LAB USE ONLY Project No: 93877	
Phone 716-856-2142	Fax			Job No: 93877	
Sample Identification		Date	Time	Matrix	No. of Cont.
SO-17338-082312-MM-209		8/23/12	0830	Soil	2
SO-17338-082312-MM-210			0950		
SO-17338-082312-MM-211			1005		
SO-17338-082312-MM-212			1020		
SO-17338-082312-MM-213			1130		
SO-17338-082312-MM-214			1205		
SO-17338-082312-MM-215			1215		
SO-17338-082312-MM-216			1230		
SO-17338-082312-MM-217			1300		
SO-17338-082312-MM-218			1400		
Preservation Used: 1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH		Soil:			
6 = Other _____, 7 = Other _____		Water:			

10/20/12
STANLEY

Special Instructions

Water Metals Filtered (Yes/No)?

Relinquished by [Signature]	Company CRA	Date / Time 8/28/12 1515	Received by [Signature]	Company TH
Relinquished by [Signature]	Company TH	Date / Time 8/23/12 1700	Received by [Signature]	Company TH
Relinquished by [Signature]	Company TH	Date / Time 8/23/12 1930	Received by [Signature]	Company TH
Relinquished by [Signature]	Company	Date / Time	Received by	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132), Massachusetts (M-NJ312), North Carolina (No. 578)

2.7

TestAmerica

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 2 of 2

Name (for report and invoice) CLAS EATON		Sample's Name (Printed) M. MYLER		Site/Project Identification Palmer Learning Center		
Company CEA		P.O. # 17338		State (Location of site): NJ: ☐ NY: ☐ Other: DE		
Address		Analysis Turnaround Time Standard ☐ Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐		Regulatory Program: DMREC		
City BUFFALO NY	State	ANALYSIS REQUESTED (ENTER 'X' BELOW TO INDICATE REQUEST)		LAB USE ONLY Job No: 43077 Project No:		
Phone 716-856-2142	Fax			Sample Numbers 11		
Sample Identification SO-17338-082312-AM-2A	Date 8/23/12	Time 1440	Matrix SOI	No. of Cont. 1		
Preservation Used: 1 = ICE, 2 = HCl, 3 = H₂SO₄, 4 = HNO₃, 5 = NaOH 6 = Other _____, 7 = Other _____ Soil: _____ Water: _____ Hold Sample						

Special Instructions

Water Metals Filtered (Yes/No)?

Relinquished by M. Myler	Company CEA	Date / Time 8/23/12 1515	Received by Scott Buck	Company TA
Relinquished by [Signature]	Company TA	Date / Time 8/23/12 1100	Received by Tom Bonyon	Company 7E57 HARRIS CO
Relinquished by [Signature]	Company TA	Date / Time 8/23/12 1930	Received by 3/1/2013 [Signature]	Company Ch. Seifer
Relinquished by [Signature]	Company	Date / Time	Received by	Company

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)

2.7

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-43877-1

Login Number: 43877

List Source: TestAmerica Edison

List Number: 1

Creator: Meyers, Gary

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	2.7 ° C IR #3
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.