

## ANALYTICAL REPORT

Job Number: 460-112127-1

Job Description: DEC Elmont546; Site: E130150

For:

New York State D.E.C.  
625 Broadway 9th Floor  
Albany, NY 12233-7258

Attention: Mr. Brian Jankauskas



Approved for release.  
Shalini Williams  
Project Management Assistant II  
4/20/2016 3:06 PM

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Designee for  
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04/20/2016

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**TestAmerica Laboratories, Inc.**

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## **CASE NARRATIVE**

**Client: New York State D.E.C.**

**Project: DEC Elmont546; Site: E130150**

**Report Number: 460-112127-1**

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 sample was received on 4/14/2016 2:20 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.2° 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.

### **TCLP METALS**

Sample A5\_COMP (460-112127-1) was analyzed for TCLP metals in accordance with EPA SW-846 Methods 1311/ 6010C. The samples were leached on 04/16/2016, prepared on 04/17/2016 and analyzed on 04/19/2016.

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

Refer to the QC report for details.

No other difficulties were encountered during the TCLP metals analysis.

All other quality control parameters were within the acceptance limits.

## Sample Summary

Client: New York State D.E.C.  
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-112127-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-112127-1	A5_COMP	Solid	04/14/16 10:45	04/14/16 14:20

## Detection Summary

Client: New York State D.E.C.  
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-112127-1

**Client Sample ID: A5\_COMP**

**Lab Sample ID: 460-112127-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	1110		1000	27.5	ug/L	5		6010C	TCLP
Lead	876		50.0	20.8	ug/L	5		6010C	TCLP

This Detection Summary does not include radiochemical test results.

## Method Summary

Client: New York State D.E.C.  
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-112127-1

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Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL EDI

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**Protocol References:**

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

**Laboratory References:**

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-112127-1

**Client Sample ID: A5\_COMP**

**Date Collected: 04/14/16 10:45**

**Date Received: 04/14/16 14:20**

**Lab Sample ID: 460-112127-1**

**Matrix: Solid**

**Method: 6010C - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	50.0	U	50.0	9.3	ug/L		04/17/16 17:47	04/19/16 15:11	5
Arsenic	75.0	U	75.0	22.1	ug/L		04/17/16 17:47	04/19/16 15:11	5
Barium	1110		1000	27.5	ug/L		04/17/16 17:47	04/19/16 15:11	5
Cadmium	20.0	U	20.0	11.6	ug/L		04/17/16 17:47	04/19/16 15:11	5
Chromium	50.0	U	50.0	22.5	ug/L		04/17/16 17:47	04/19/16 15:11	5
Lead	876		50.0	20.8	ug/L		04/17/16 17:47	04/19/16 15:11	5
Selenium	100	U	100	33.8	ug/L		04/17/16 17:47	04/19/16 15:11	5



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-112127-1

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 460-363007/1-A

Matrix: Solid

Analysis Batch: 363429

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 363007

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	10.0	U	10.0	1.9	ug/L		04/17/16 17:47	04/19/16 13:54	1
Arsenic	15.0	U	15.0	4.4	ug/L		04/17/16 17:47	04/19/16 13:54	1
Barium	200	U	200	5.5	ug/L		04/17/16 17:47	04/19/16 13:54	1
Cadmium	4.0	U	4.0	2.3	ug/L		04/17/16 17:47	04/19/16 13:54	1
Chromium	10.0	U	10.0	4.5	ug/L		04/17/16 17:47	04/19/16 13:54	1
Lead	10.0	U	10.0	4.2	ug/L		04/17/16 17:47	04/19/16 13:54	1
Selenium	20.0	U	20.0	6.8	ug/L		04/17/16 17:47	04/19/16 13:54	1

Lab Sample ID: LCS 460-363007/2-A ^2

Matrix: Solid

Analysis Batch: 363429

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 363007

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	500	469.0		ug/L		94	80 - 120
Arsenic	5000	4650		ug/L		93	80 - 120
Barium	10000	10020		ug/L		100	80 - 120
Cadmium	1000	1035		ug/L		104	80 - 120
Chromium	5000	4924		ug/L		98	80 - 120
Lead	5000	5104		ug/L		102	80 - 120
Selenium	1000	975.6		ug/L		98	80 - 120

Lab Sample ID: LB 460-362926/1-B ^5

Matrix: Solid

Analysis Batch: 363429

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 363007

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	50.0	U	50.0	9.3	ug/L		04/17/16 17:47	04/19/16 15:41	5
Arsenic	75.0	U	75.0	22.1	ug/L		04/17/16 17:47	04/19/16 15:41	5
Barium	1000	U	1000	27.5	ug/L		04/17/16 17:47	04/19/16 15:41	5
Cadmium	20.0	U	20.0	11.6	ug/L		04/17/16 17:47	04/19/16 15:41	5
Chromium	50.0	U	50.0	22.5	ug/L		04/17/16 17:47	04/19/16 15:41	5
Lead	50.0	U	50.0	20.8	ug/L		04/17/16 17:47	04/19/16 15:41	5
Selenium	100	U	100	33.8	ug/L		04/17/16 17:47	04/19/16 15:41	5

Lab Sample ID: 460-112146-A-1-D MS

Matrix: Solid

Analysis Batch: 363429

Client Sample ID: Matrix Spike

Prep Type: TCLP

Prep Batch: 363007

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	50.0	U	500	484.6		ug/L		97	75 - 125
Arsenic	75.0	U	5000	5030		ug/L		101	75 - 125
Barium	364	J	10000	10500		ug/L		101	75 - 125
Cadmium	155		1000	1215		ug/L		106	75 - 125
Chromium	43.2	J	5000	5085		ug/L		101	75 - 125
Lead	22400		5000	27450	4	ug/L		102	75 - 125
Selenium	100	U	1000	1066		ug/L		107	75 - 125

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-112127-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 460-112146-A-1-C DU

Matrix: Solid

Analysis Batch: 363429

Client Sample ID: Duplicate

Prep Type: TCLP

Prep Batch: 363007

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Silver	50.0	U	50.0	U	ug/L		NC	20
Arsenic	75.0	U	75.0	U	ug/L		NC	20
Barium	364	J	365.5	J	ug/L		0.3	20
Cadmium	155		154.7		ug/L		0.1	20
Chromium	43.2	J	46.31	J	ug/L		7	20
Lead	22400		22360		ug/L		0	20
Selenium	100	U	100	U	ug/L		NC	20

# Definitions/Glossary

Client: New York State D.E.C.  
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-112127-1

## Qualifiers

### Metals

Qualifier	Qualifier Description
U	Indicates analyzed for but not detected.
J	Sample result is greater than the MDL but below the CRDL
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-112127-1

## Metals

### Leach Batch: 362926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-112127-1	A5_COMP	TCLP	Solid	1311	
460-112146-A-1-B PDS	Post Spike	TCLP	Solid	1311	
460-112146-A-1-B SD	SD	TCLP	Solid	1311	
460-112146-A-1-C DU	Duplicate	TCLP	Solid	1311	
460-112146-A-1-D MS	Matrix Spike	TCLP	Solid	1311	
LB 460-362926/1-B ^5	Method Blank	TCLP	Solid	1311	

### Prep Batch: 363007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-112127-1	A5_COMP	TCLP	Solid	3010A	362926
460-112146-A-1-B PDS	Post Spike	TCLP	Solid	3010A	362926
460-112146-A-1-B SD	SD	TCLP	Solid	3010A	362926
460-112146-A-1-C DU	Duplicate	TCLP	Solid	3010A	362926
460-112146-A-1-D MS	Matrix Spike	TCLP	Solid	3010A	362926
LB 460-362926/1-B ^5	Method Blank	TCLP	Solid	3010A	362926
LCS 460-363007/2-A ^2	Lab Control Sample	Total/NA	Solid	3010A	
MB 460-363007/1-A	Method Blank	Total/NA	Solid	3010A	

### Analysis Batch: 363429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-112127-1	A5_COMP	TCLP	Solid	6010C	363007
460-112146-A-1-B PDS	Post Spike	TCLP	Solid	6010C	363007
460-112146-A-1-B SD	SD	TCLP	Solid	6010C	363007
460-112146-A-1-C DU	Duplicate	TCLP	Solid	6010C	363007
460-112146-A-1-D MS	Matrix Spike	TCLP	Solid	6010C	363007
ICSA 460-363429/10	ICS		Solid	6010C	
ICSAB 460-363429/11	ICS		Solid	6010C	
LB 460-362926/1-B ^5	Method Blank	TCLP	Solid	6010C	363007
LCS 460-363007/2-A ^2	Lab Control Sample	Total/NA	Solid	6010C	363007
MB 460-363007/1-A	Method Blank	Total/NA	Solid	6010C	363007

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-112127-1

**Client Sample ID: A5\_COMP**

**Date Collected: 04/14/16 10:45**

**Date Received: 04/14/16 14:20**

**Lab Sample ID: 460-112127-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			362926	04/16/16 15:00	SAO	TAL EDI
TCLP	Prep	3010A			363007	04/17/16 17:47	EAE	TAL EDI
TCLP	Analysis	6010C		5	363429	04/19/16 15:11	YZH	TAL EDI

**Laboratory References:**

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

# Certification Summary

Client: New York State D.E.C.  
Project/Site: DEC Elmont546; Site: E130150

TestAmerica Job ID: 460-112127-1

## Laboratory: TestAmerica Edison

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11452	03-31-17
Analysis Method	Prep Method	Matrix	Analyte	

# METALS

COVER PAGE  
METALS

Lab Name: TestAmerica Edison Job Number: 460-112127-1

SDG No.: \_\_\_\_\_

Project: DEC Elmont546; Site: E130150

Client Sample ID  
A5\_COMP

Lab Sample ID  
460-112127-1

Comments:



1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS - TCLP

Client Sample ID: A5\_COMP

Lab Sample ID: 460-112127-1

Lab Name: TestAmerica Edison

Job No.: 460-112127-1

SDG ID.:

Matrix: Solid

Date Sampled: 04/14/2016 10:45

Reporting Basis: WET

Date Received: 04/14/2016 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	50.0	50.0	9.3	ug/L	U		5	6010C
7440-38-2	Arsenic	75.0	75.0	22.1	ug/L	U		5	6010C
7440-39-3	Barium	1110	1000	27.5	ug/L			5	6010C
7440-43-9	Cadmium	20.0	20.0	11.6	ug/L	U		5	6010C
7440-47-3	Chromium	50.0	50.0	22.5	ug/L	U		5	6010C
7439-92-1	Lead	876	50.0	20.8	ug/L			5	6010C
7782-49-2	Selenium	100	100	33.8	ug/L	U		5	6010C

2A-IN  
CALIBRATION VERIFICATIONS  
METALS

Lab Name: TestAmerica Edison Job No.: 460-112127-1

SDG No.: \_\_\_\_\_

ICV Source: ME\_CCV\_DUO\_00152 Concentration Units: ug/L

CCV Source: ME\_CCV\_DUO\_00152

Analyte	ICV 460-363429/7 04/19/2016 10:33				CCV 460-363429/46 04/19/2016 13:08				CCV 460-363429/59 04/19/2016 14:02			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
<b>Arsenic</b>	2458		2500	98	2463		2500	99	2418		2500	97
<b>Barium</b>	10080		10000	101	10030		10000	100	9907		10000	99
<b>Cadmium</b>	1252		1250	100	1255		1250	100	1235		1250	99
<b>Chromium</b>	5004		5000	100	4985		5000	100	4912		5000	98
<b>Lead</b>	7541		7500	101	7543		7500	101	7409		7500	99
<b>Selenium</b>	2474		2500	99	2479		2500	99	2429		2500	97
<b>Silver</b>	1240		1250	99	1222		1250	98	1206		1250	96

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

2A-IN  
CALIBRATION VERIFICATIONS  
METALS

Lab Name: TestAmerica Edison Job No.: 460-112127-1

SDG No.: \_\_\_\_\_

ICV Source: ME\_CCV\_DUO\_00152 Concentration Units: ug/L

CCV Source: ME\_CCV\_DUO\_00152

Analyte	CCV 460-363429/72 04/19/2016 14:59				CCV 460-363429/85 04/19/2016 15:53							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
<b>Arsenic</b>	2449		2500	98	2457		2500	98				
<b>Barium</b>	10010		10000	100	10060		10000	101				
<b>Cadmium</b>	1248		1250	100	1253		1250	100				
<b>Chromium</b>	4946		5000	99	4987		5000	100				
<b>Lead</b>	7489		7500	100	7543		7500	101				
<b>Selenium</b>	2463		2500	99	2473		2500	99				
<b>Silver</b>	1213		1250	97	1230		1250	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.: 460-112127-1

SDG No.: \_\_\_\_\_

ICV Source: ME\_Cal2\_BC\_00009 Concentration Units: ug/L

CCV Source: ME\_Cal2\_BC\_00009

Analyte	ICVL 460-363429/9 04/19/2016 10:41				CCVL 460-363429/48 04/19/2016 13:16				CCVL 460-363429/61 04/19/2016 14:10			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
<b>Arsenic</b>	12.95	J	15.0	86	15.84		15.0	106	14.51	J	15.0	97
<b>Barium</b>	207.6		200	104	210.0		200	105	208.1		200	104
<b>Cadmium</b>	4.20		4.00	105	4.18		4.00	105	4.17		4.00	104
<b>Chromium</b>	12.09		10.0	121	10.75		10.0	108	10.88		10.0	109
<b>Lead</b>	10.48		10.0	105	11.84		10.0	118	10.70		10.0	107
<b>Selenium</b>	20.31		20.0	102	19.56	J	20.0	98	19.90	J	20.0	100
<b>Silver</b>	9.81	J	10.0	98	9.61	J	10.0	96	10.07		10.0	101

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

2A-IN  
CALIBRATION VERIFICATIONS  
METALS

Lab Name: TestAmerica Edison Job No.: 460-112127-1

SDG No.: \_\_\_\_\_

ICV Source: ME\_Cal2\_BC\_00009 Concentration Units: ug/L

CCV Source: ME\_Cal2\_BC\_00009

Analyte	CCVL 460-363429/74 04/19/2016 15:07				CCVL 460-363429/87 04/19/2016 16:01							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
<b>Arsenic</b>	13.90	J	15.0	93	15.41		15.0	103				
<b>Barium</b>	209.9		200	105	211.1		200	106				
<b>Cadmium</b>	4.17		4.00	104	4.22		4.00	105				
<b>Chromium</b>	10.55		10.0	106	10.49		10.0	105				
<b>Lead</b>	11.32		10.0	113	11.55		10.0	116				
<b>Selenium</b>	21.86		20.0	109	20.81		20.0	104				
<b>Silver</b>	9.92	J	10.0	99	10.10		10.0	101				

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.: 460-112127-1

SDG No.: \_\_\_\_\_

Concentration Units: ug/L

Analyte	RL	ICB 460-363429/8 04/19/2016 10:37		CCB 460-363429/47 04/19/2016 13:12		CCB 460-363429/60 04/19/2016 14:06		CCB 460-363429/73 04/19/2016 15:02	
		Found	C	Found	C	Found	C	Found	C
<b>Arsenic</b>	15.0	15.0	U	15.0	U	15.0	U	15.0	U
<b>Barium</b>	200	200	U	200	U	200	U	200	U
<b>Cadmium</b>	4.0	4.0	U	4.0	U	4.0	U	4.0	U
<b>Chromium</b>	10.0	10.0	U	10.0	U	10.0	U	10.0	U
<b>Lead</b>	10.0	10.0	U	10.0	U	10.0	U	10.0	U
<b>Selenium</b>	20.0	20.0	U	20.0	U	20.0	U	20.0	U
<b>Silver</b>	10.0	10.0	U	10.0	U	10.0	U	10.0	U

Italicized analytes were not requested for this sequence.

3-IN  
INSTRUMENT BLANKS  
METALS

Lab Name: TestAmerica Edison Job No.: 460-112127-1  
 SDG No.: \_\_\_\_\_  
 Concentration Units: ug/L

Analyte	RL	CCB 460-363429/86 04/19/2016 15:57							
		Found	C	Found	C	Found	C	Found	C
<b>Arsenic</b>	15.0	15.0	U						
<b>Barium</b>	200	200	U						
<b>Cadmium</b>	4.0	4.0	U						
<b>Chromium</b>	10.0	10.0	U						
<b>Lead</b>	10.0	10.0	U						
<b>Selenium</b>	20.0	20.0	U						
<b>Silver</b>	10.0	10.0	U						

Italicized analytes were not requested for this sequence.

3-IN  
METHOD BLANK  
METALS

Lab Name: TestAmerica Edison Job No.: 460-112127-1

SDG No.: \_\_\_\_\_

Concentration Units: ug/L Lab Sample ID: MB 460-363007/1-A

Instrument Code: ICP4 Batch No.: 363429

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	10.0	U		6010C
7440-38-2	Arsenic	15.0	U		6010C
7440-39-3	Barium	200	U		6010C
7440-43-9	Cadmium	4.0	U		6010C
7440-47-3	Chromium	10.0	U		6010C
7439-92-1	Lead	10.0	U		6010C
7782-49-2	Selenium	20.0	U		6010C



3-IN  
METHOD BLANK  
METALS - TCLP

Lab Name: TestAmerica Edison Job No.: 460-112127-1  
SDG No.: \_\_\_\_\_  
Concentration Units: ug/L Lab Sample ID: LB 460-362926/1-B ^5  
Instrument Code: ICP4 Batch No.: 363429

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	50.0	U		6010C
7440-38-2	Arsenic	75.0	U		6010C
7440-39-3	Barium	1000	U		6010C
7440-43-9	Cadmium	20.0	U		6010C
7440-47-3	Chromium	50.0	U		6010C
7439-92-1	Lead	50.0	U		6010C
7782-49-2	Selenium	100	U		6010C

4A-IN  
INTERFERENCE CHECK STANDARD  
METALS

Lab Name: TestAmerica Edison Job No.: 460-112127-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICSA 460-363429/10 Instrument ID: ICP4  
 Lab File ID: 362854.asc ICS Source: ME\_ICSA\_Duo\_00068  
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
<b>Arsenic</b>		-0.398	
<b>Barium</b>		-0.677	
<b>Cadmium</b>		-0.0762	
<b>Chromium</b>		-0.887	
<b>Lead</b>		4.47	
<b>Selenium</b>		0.877	
<b>Silver</b>		-0.498	
<i>Aluminum</i>	500000	484400	97
<i>Antimony</i>		2.85	
<i>Beryllium</i>		0.0456	
<i>Boron</i>		-8.05	
<i>Calcium</i>	500000	485700	97
<i>Cobalt</i>		-3.24	
<i>Copper</i>		-2.33	
<i>Iron</i>	200000	189900	95
<i>Magnesium</i>	500000	486500	97
<i>Manganese</i>		3.97	
<i>Molybdenum</i>		-0.858	
<i>Nickel</i>		-1.48	
<i>Potassium</i>		-11.1	
<i>Sodium</i>		-39.4	
<i>Strontium</i>		-1.56	
<i>Thallium</i>		2.00	
<i>Tin</i>		3.42	
<i>Titanium</i>		-0.143	
<i>Vanadium</i>		-15.2	
<i>Zinc</i>		-2.39	

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.: 460-112127-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICSAB 460-363429/11 Instrument ID: ICP4  
 Lab File ID: 362854.asc ICS Source: ME\_ICSAB\_DUO\_00084  
 Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
<b>Arsenic</b>	<b>100</b>	<b>94.9</b>	<b>95</b>
<b>Barium</b>	<b>100</b>	<b>102</b>	<b>102</b>
<b>Cadmium</b>	<b>100</b>	<b>96.7</b>	<b>97</b>
<b>Chromium</b>	<b>100</b>	<b>99.8</b>	<b>100</b>
<b>Lead</b>	<b>100</b>	<b>101</b>	<b>101</b>
<b>Selenium</b>	<b>100</b>	<b>96.4</b>	<b>96</b>
<b>Silver</b>	<b>100</b>	<b>106</b>	<b>106</b>
<i>Aluminum</i>	<i>500000</i>	<i>518000</i>	<i>104</i>
<i>Antimony</i>	<i>100</i>	<i>102</i>	<i>102</i>
<i>Beryllium</i>	<i>100</i>	<i>101</i>	<i>101</i>
<i>Boron</i>	<i>100</i>	<i>91.8</i>	<i>92</i>
<i>Calcium</i>	<i>500000</i>	<i>513200</i>	<i>103</i>
<i>Cobalt</i>	<i>100</i>	<i>95.3</i>	<i>95</i>
<i>Copper</i>	<i>100</i>	<i>105</i>	<i>105</i>
<i>Iron</i>	<i>200000</i>	<i>203600</i>	<i>102</i>
<i>Magnesium</i>	<i>500000</i>	<i>518700</i>	<i>104</i>
<i>Manganese</i>	<i>100</i>	<i>107</i>	<i>107</i>
<i>Molybdenum</i>	<i>100</i>	<i>98.0</i>	<i>98</i>
<i>Nickel</i>	<i>100</i>	<i>95.8</i>	<i>96</i>
<i>Potassium</i>	<i>10000</i>	<i>10380</i>	<i>104</i>
<i>Sodium</i>	<i>10000</i>	<i>10510</i>	<i>105</i>
<i>Strontium</i>	<i>100</i>	<i>100</i>	<i>100</i>
<i>Thallium</i>	<i>100</i>	<i>96.5</i>	<i>97</i>
<i>Tin</i>	<i>100</i>	<i>102</i>	<i>102</i>
<i>Titanium</i>	<i>100</i>	<i>103</i>	<i>103</i>
<i>Vanadium</i>	<i>100</i>	<i>86.1</i>	<i>86</i>
<i>Zinc</i>	<i>100</i>	<i>94.2</i>	<i>94</i>

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

5A-IN  
MATRIX SPIKE SAMPLE RECOVERY  
METALS - TCLP

Client ID: \_\_\_\_\_ Lab ID: 460-112146-A-1-D MS  
 Lab Name: TestAmerica Edison Job No.: 460-112127-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Concentration Units: ug/L  
 % Solids: \_\_\_\_\_

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	484.6	50.0 U	500	97	75-125		6010C
Arsenic	5030	75.0 U	5000	101	75-125		6010C
Barium	10500	364 J	10000	101	75-125		6010C
Cadmium	1215	155	1000	106	75-125		6010C
Chromium	5085	43.2 J	5000	101	75-125		6010C
Lead	27450	22400	5000	102	75-125	4	6010C
Selenium	1066	100 U	1000	107	75-125		6010C

SSR = Spiked Sample Result

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

5B-IN  
POST DIGESTION SPIKE SAMPLE RECOVERY  
METALS - TCLP

Client ID: \_\_\_\_\_ Lab ID: 460-112146-A-1-B PDS  
 Lab Name: TestAmerica Edison Job No.: 460-112127-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Concentration Units: ug/L

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	234.2	50.0 U	250	94	80-120		6010C
Arsenic	9670	75.0 U	10000	97	80-120		6010C
Barium	10030	364 J	10000	97	80-120		6010C
Cadmium	396.6	155	250	97	80-120		6010C
Chromium	1026	43.2 J	1000	98	80-120		6010C
Lead	24350	22400	2500	80	80-120		6010C
Selenium	9955	100 U	10000	100	80-120		6010C

SSR = Spiked Sample Result

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

6-IN  
 DUPLICATES  
 METALS - TCLP

Client ID: \_\_\_\_\_ Lab ID: 460-112146-A-1-C DU  
 Lab Name: TestAmerica Edison Job No.: 460-112127-1  
 SDG No.: \_\_\_\_\_  
 % Solids for Sample: \_\_\_\_\_ % Solids for Duplicate: \_\_\_\_\_  
 Matrix: Solid Concentration Units: ug/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Silver	50.0	50.0 U	50.0 U	NC		6010C
Arsenic	75.0	75.0 U	75.0 U	NC		6010C
Barium	1000	364 J	365.5 J	0.3		6010C
Cadmium	20.0	155	154.7	0.1		6010C
Chromium	50.0	43.2 J	46.31 J	7		6010C
Lead	50.0	22400	22360	0		6010C
Selenium	100	100 U	100 U	NC		6010C

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

7A-IN  
LAB CONTROL SAMPLE  
METALS

Lab ID: LCS 460-363007/2-A ^2

Lab Name: TestAmerica Edison

Job No.: 460-112127-1

Sample Matrix: Water

LCS Source: ME\_TCLPspk\_00031

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Silver	500	469.0		94	80	120		6010C
Arsenic	5000	4650		93	80	120		6010C
Barium	10000	10020		100	80	120		6010C
Cadmium	1000	1035		104	80	120		6010C
Chromium	5000	4924		98	80	120		6010C
Lead	5000	5104		102	80	120		6010C
Selenium	1000	975.6		98	80	120		6010C

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 - TCLP

Lab ID: 460-112146-A-1-B SD

SDG No: \_\_\_\_\_

Lab Name: TestAmerica Edison

Job No: 460-112127-1

Matrix: Solid

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Silver	50.0	U	250	U	NC		6010C
Arsenic	75.0	U	375	U	NC		6010C
Barium	364	J	354.0	J	NC		6010C
Cadmium	155		152.8		NC		6010C
Chromium	43.2	J	250	U	NC		6010C
Lead	22400		22330		0.08		6010C
Selenium	100	U	500	U	NC		6010C

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

FORM VIII-IN



9-IN  
DETECTION LIMITS  
METALS - TCLP

Lab Name: TestAmerica Edison Job Number: 460-112127-1  
SDG Number: \_\_\_\_\_  
Matrix: Solid Instrument ID: ICP4  
Method: 6010C MDL Date: 05/05/2015 12:16  
Prep Method: 3010A  
Leach Method: 1311

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Arsenic		15	4.41
Barium		200	5.49
Cadmium		4	2.32
Chromium		10	4.5
Lead		10	4.16
Selenium		20	6.76
Silver		10	1.86

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
METALS - TCLP

Lab Name: TestAmerica Edison Job Number: 460-112127-1  
SDG Number: \_\_\_\_\_  
Matrix: Solid Instrument ID: ICP4  
Method: 6010C XMDL Date: 05/05/2015 12:19

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic		15	4.41
Barium		200	5.49
Cadmium		4	2.32
Chromium		10	4.5
Lead		10	4.16
Selenium		20	6.76
Silver		10	1.86

12-IN  
PREPARATION LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-112127-1

SDG No.: \_\_\_\_\_

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-363007/1-A	04/17/2016 17:47	363007		50	50
LCS 460-363007/2-A ^2	04/17/2016 17:47	363007		50	50
460-112146-A-1-C DU	04/17/2016 17:47	363007		50	50
460-112146-A-1-D MS	04/17/2016 17:47	363007		50	50
460-112127-1	04/17/2016 17:47	363007		50	50
LB 460-362926/1-B ^5	04/17/2016 17:47	363007		50	50

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-112127-1

SDG No.: \_\_\_\_\_

Instrument ID: ICP4 Method: 6010C

Start Date: 04/19/2016 10:10 End Date: 04/19/2016 21:23

Lab Sample ID	D / F	T y p e	Time	Analytes																
				A g	A s	B a	C d	C r	P b	S e										
ICIS 460-363429/1	1		10:10	X	X	X	X	X	X	X										
ZZZZZZ			10:14																	
ZZZZZZ			10:18																	
ZZZZZZ			10:22																	
ZZZZZZ			10:26																	
ZZZZZZ			10:29																	
ICV 460-363429/7	1		10:33	X	X	X	X	X	X	X										
ICB 460-363429/8	1		10:37	X	X	X	X	X	X	X										
ICVL 460-363429/9	1		10:41	X	X	X	X	X	X	X										
ICSA 460-363429/10	1		10:45	X	X	X	X	X	X	X										
ICSAB 460-363429/11	1		10:50	X	X	X	X	X	X	X										
ZZZZZZ			10:54																	
ZZZZZZ			10:58																	
ZZZZZZ			11:02																	
ZZZZZZ			11:06																	
ZZZZZZ			11:10																	
ZZZZZZ			11:14																	
ZZZZZZ			11:18																	
ZZZZZZ			11:22																	
CCV 460-363429/20			11:26																	
CCB 460-363429/21			11:30																	
CCVL 460-363429/22			11:34																	
ZZZZZZ			11:38																	
ZZZZZZ			11:42																	
ZZZZZZ			11:46																	
ZZZZZZ			11:50																	
ZZZZZZ			11:54																	
ZZZZZZ			11:57																	
ZZZZZZ			12:01																	
ZZZZZZ			12:05																	
ZZZZZZ			12:09																	
ZZZZZZ			12:13																	
CCV 460-363429/33			12:17																	
CCB 460-363429/34			12:21																	
CCVL 460-363429/35			12:25																	
ZZZZZZ			12:29																	
ZZZZZZ			12:33																	
ZZZZZZ			12:37																	
ZZZZZZ			12:41																	
ZZZZZZ			12:45																	
ZZZZZZ			12:49																	
ZZZZZZ			12:52																	

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-112127-1

SDG No.: \_\_\_\_\_

Instrument ID: ICP4 Method: 6010C

Start Date: 04/19/2016 10:10 End Date: 04/19/2016 21:23

Lab Sample ID	D / F	T y p e	Time	Analytes																
				A g	A s	B a	C d	C r	P b	S e										
ZZZZZZ			12:56																	
ZZZZZZ			13:00																	
ZZZZZZ			13:04																	
CCV 460-363429/46	1		13:08	X	X	X	X	X	X	X										
CCB 460-363429/47	1		13:12	X	X	X	X	X	X	X										
CCVL 460-363429/48	1		13:16	X	X	X	X	X	X	X										
ZZZZZZ			13:22																	
ZZZZZZ			13:26																	
ZZZZZZ			13:30																	
ZZZZZZ			13:34																	
ZZZZZZ			13:38																	
ZZZZZZ			13:42																	
ZZZZZZ			13:46																	
ZZZZZZ			13:50																	
MB 460-363007/1-A	1	T	13:54	X	X	X	X	X	X	X										
LCS 460-363007/2-A ^2	2	T	13:58	X	X	X	X	X	X	X										
CCV 460-363429/59	1		14:02	X	X	X	X	X	X	X										
CCB 460-363429/60	1		14:06	X	X	X	X	X	X	X										
CCVL 460-363429/61	1		14:10	X	X	X	X	X	X	X										
460-112146-A-1-C DU	5	P	14:16	X	X	X	X	X	X	X										
ZZZZZZ			14:20																	
460-112146-A-1-B SD	25	P	14:25	X	X	X	X	X	X	X										
460-112146-A-1-D MS	5	P	14:29	X	X	X	X	X	X	X										
460-112146-A-1-B PDS	5	P	14:33	X	X	X	X	X	X	X										
ZZZZZZ			14:37																	
ZZZZZZ			14:41																	
ZZZZZZ			14:46																	
ZZZZZZ			14:50																	
ZZZZZZ			14:54																	
CCV 460-363429/72	1		14:59	X	X	X	X	X	X	X										
CCB 460-363429/73	1		15:02	X	X	X	X	X	X	X										
CCVL 460-363429/74	1		15:07	X	X	X	X	X	X	X										
460-112127-1	5	P	15:11	X	X	X	X	X	X	X										
ZZZZZZ			15:15																	
ZZZZZZ			15:19																	
ZZZZZZ			15:23																	
ZZZZZZ			15:28																	
ZZZZZZ			15:32																	
ZZZZZZ			15:36																	
LB 460-362926/1-B ^5	5	P	15:41	X	X	X	X	X	X	X										
ZZZZZZ			15:45																	
ZZZZZZ			15:49																	

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-112127-1

SDG No.: \_\_\_\_\_

Instrument ID: ICP4 Method: 6010C

Start Date: 04/19/2016 10:10 End Date: 04/19/2016 21:23

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A g	A s	B a	C d	C r	P b	S e											
CCV 460-363429/85	1		15:53	X	X	X	X	X	X	X											
CCB 460-363429/86	1		15:57	X	X	X	X	X	X	X											
CCVL 460-363429/87	1		16:01	X	X	X	X	X	X	X											
ZZZZZZ			16:22																		
ZZZZZZ			16:26																		
ZZZZZZ			16:30																		
ZZZZZZ			16:35																		
ZZZZZZ			16:39																		
ZZZZZZ			16:43																		
ZZZZZZ			16:47																		
ZZZZZZ			16:51																		
ZZZZZZ			16:55																		
ZZZZZZ			16:59																		
CCV 460-363429/98			17:04																		
CCB 460-363429/99			17:08																		
CCVL 460-363429/100			17:12																		
ZZZZZZ			17:16																		
ZZZZZZ			17:20																		
ZZZZZZ			17:24																		
ZZZZZZ			17:28																		
ZZZZZZ			17:32																		
ZZZZZZ			17:37																		
ZZZZZZ			17:41																		
ZZZZZZ			17:45																		
ZZZZZZ			17:49																		
ZZZZZZ			17:53																		
CCV 460-363429/111			17:57																		
CCB 460-363429/112			18:01																		
CCVL 460-363429/113			18:06																		
ZZZZZZ			18:10																		
ZZZZZZ			18:14																		
ZZZZZZ			18:18																		
ZZZZZZ			18:22																		
ZZZZZZ			18:27																		
ZZZZZZ			18:31																		
ZZZZZZ			18:35																		
ZZZZZZ			18:39																		
ZZZZZZ			18:44																		
ZZZZZZ			18:48																		
CCV 460-363429/124			18:52																		
CCB 460-363429/125			18:56																		
CCVL 460-363429/126			19:00																		

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-112127-1

SDG No.: \_\_\_\_\_

Instrument ID: ICP4 Method: 6010C

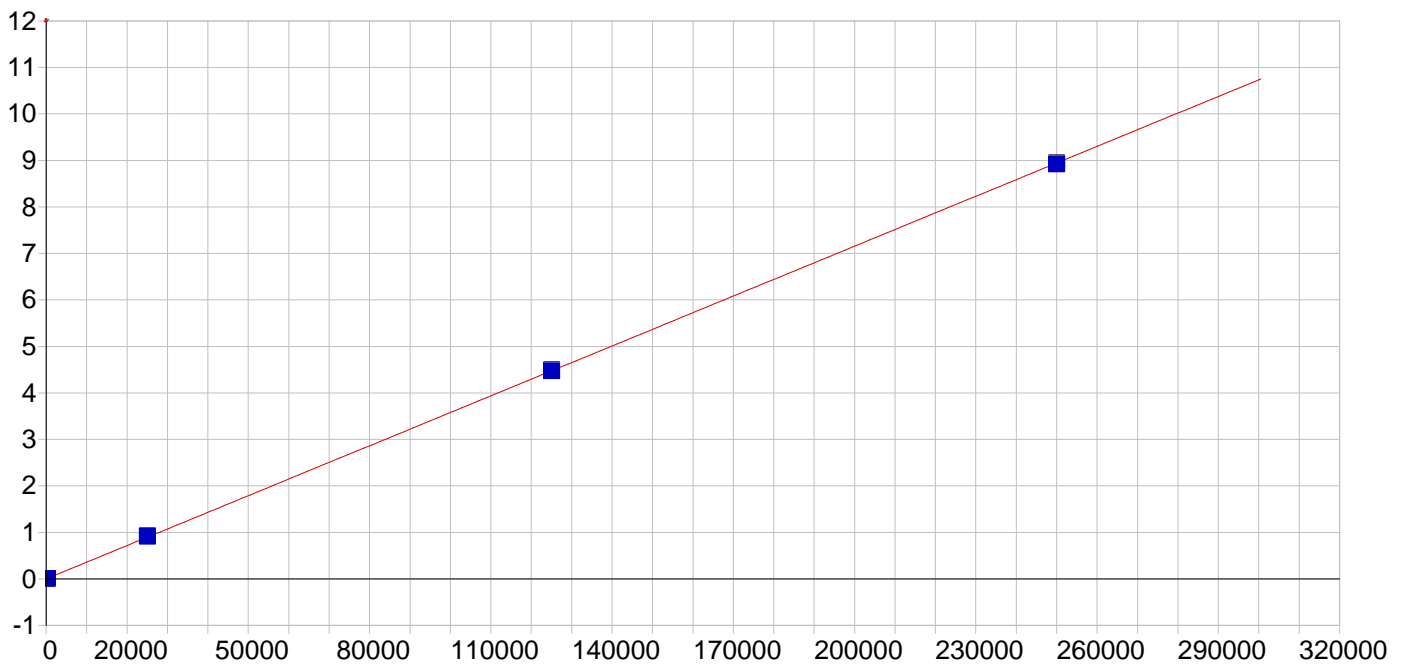
Start Date: 04/19/2016 10:10 End Date: 04/19/2016 21:23

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			19:04																
ZZZZZZ			19:09																
ZZZZZZ			19:13																
ZZZZZZ			19:17																
ZZZZZZ			19:21																
ZZZZZZ			19:25																
ZZZZZZ			19:29																
ZZZZZZ			19:33																
ZZZZZZ			19:38																
ZZZZZZ			19:42																
CCV 460-363429/137			19:46																
CCB 460-363429/138			19:50																
CCVL 460-363429/139			19:55																
ZZZZZZ			19:59																
ZZZZZZ			20:03																
ZZZZZZ			20:07																
ZZZZZZ			20:12																
ZZZZZZ			20:16																
ZZZZZZ			20:20																
ZZZZZZ			20:24																
ZZZZZZ			20:28																
ZZZZZZ			20:32																
ZZZZZZ			20:37																
CCV 460-363429/150			20:41																
CCB 460-363429/151			20:45																
CCVL 460-363429/152			20:49																
ZZZZZZ			20:54																
ZZZZZZ			20:58																
ZZZZZZ			21:02																
ZZZZZZ			21:06																
ZZZZZZ			21:11																
CCV 460-363429/158			21:15																
CCB 460-363429/159			21:19																
CCVL 460-363429/160			21:23																

Prep Types

P = TCLP

T = Total/NA

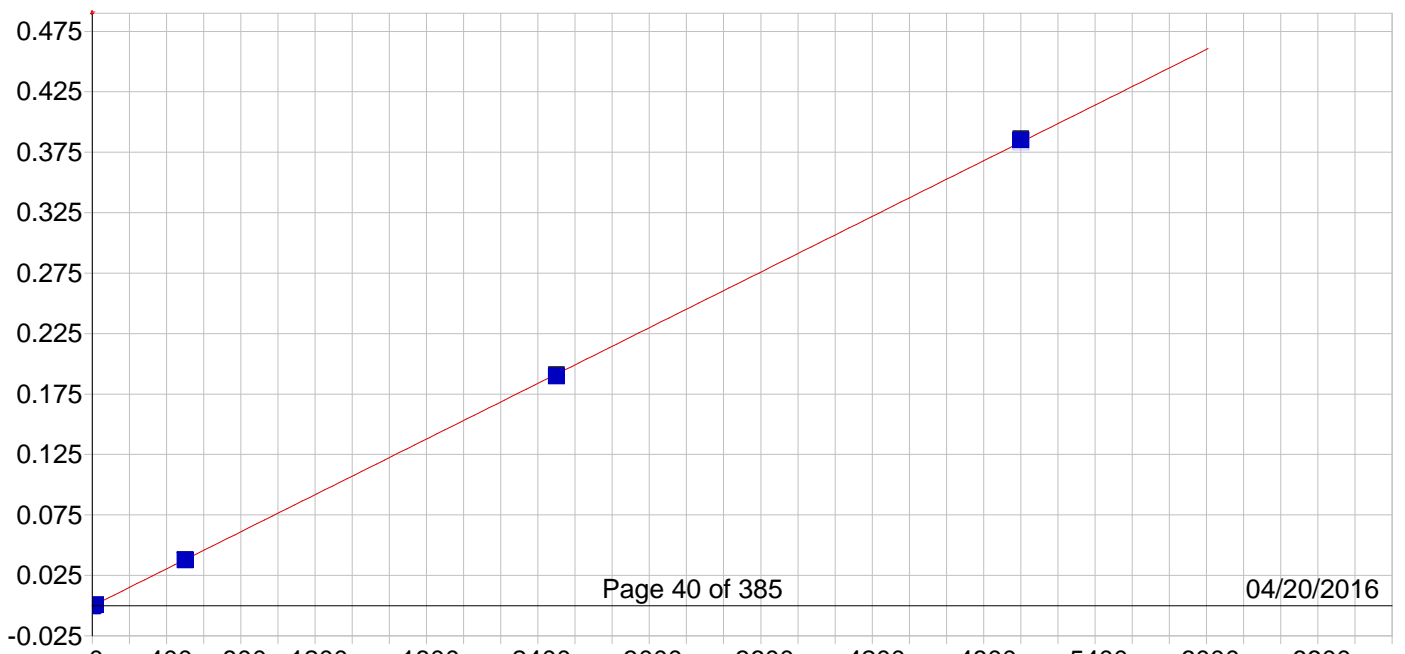


AI 396.152 { 85}

Date of Fit: 4/19/2016 10:33:49 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000291 Re-Slope: 1.000000  
 A1 (Gain): 0.000036 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999980 Status: OK.  
 Std Error of Est: 0.000084  
 Predicted MDL: 16.304060  
 Predicted MQL: 54.346867

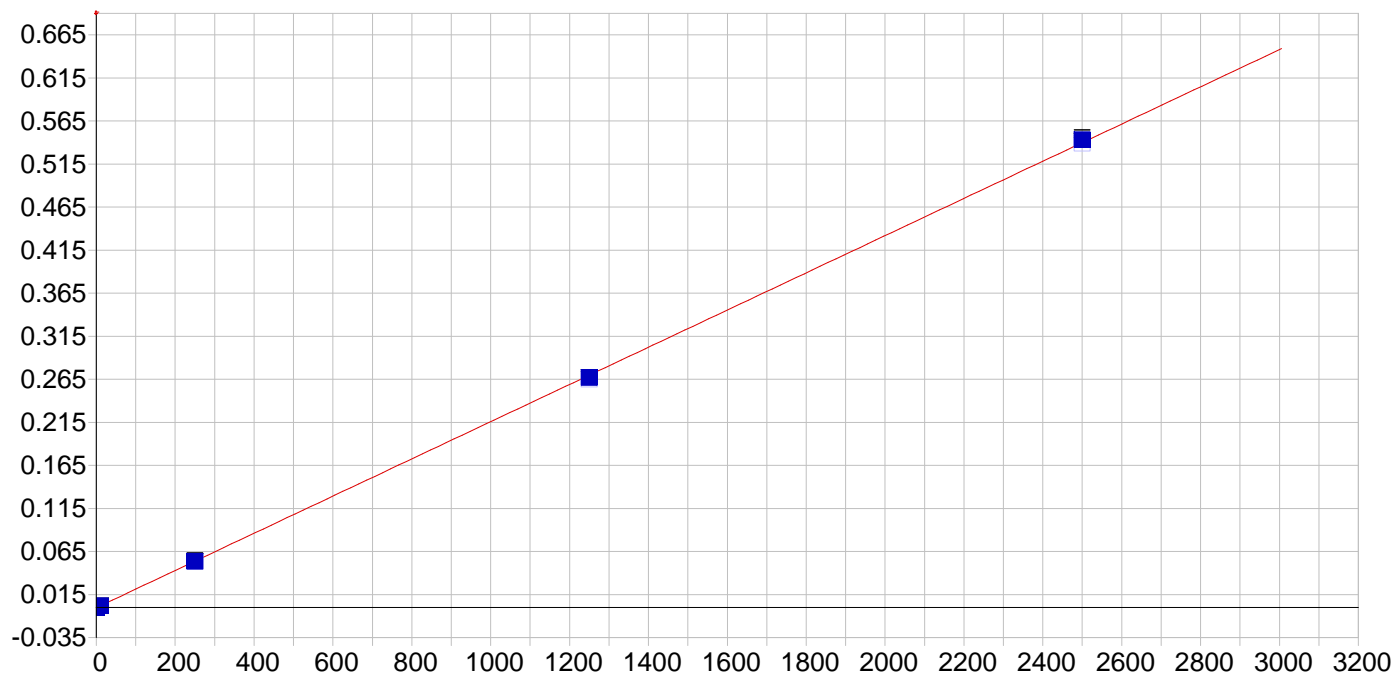
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.02331	-.023	.000	.00029	.000	1
CAL2	200.00	219.20	19.2	9.60	.00816	.000	1
CAL3	25000.	25566.	566.	2.26	.91574	.001	1
CAL4	125000.	125060.	62.9	.050	4.4786	.011	1
CAL5	250000.	249350.	-648.	-.259	8.9292	.014	1





Std Error of Est: 0.000006  
 Predicted MDL: 2.238126  
 Predicted MQL: 7.460419

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00073	-.001	.000	-.00026	.000	1
CAL2	15.000	13.448	-1.55	-10.3	.00077	.000	1
CAL3	500.00	493.92	-6.08	-1.22	.03744	.000	1
CAL4	2500.0	2481.6	-18.4	-.736	.18920	.001	1
CAL5	5000.0	5024.7	24.7	.494	.38338	.001	1
CAL1	5.0000	6.3177	1.32	26.4	.00022	.000	1

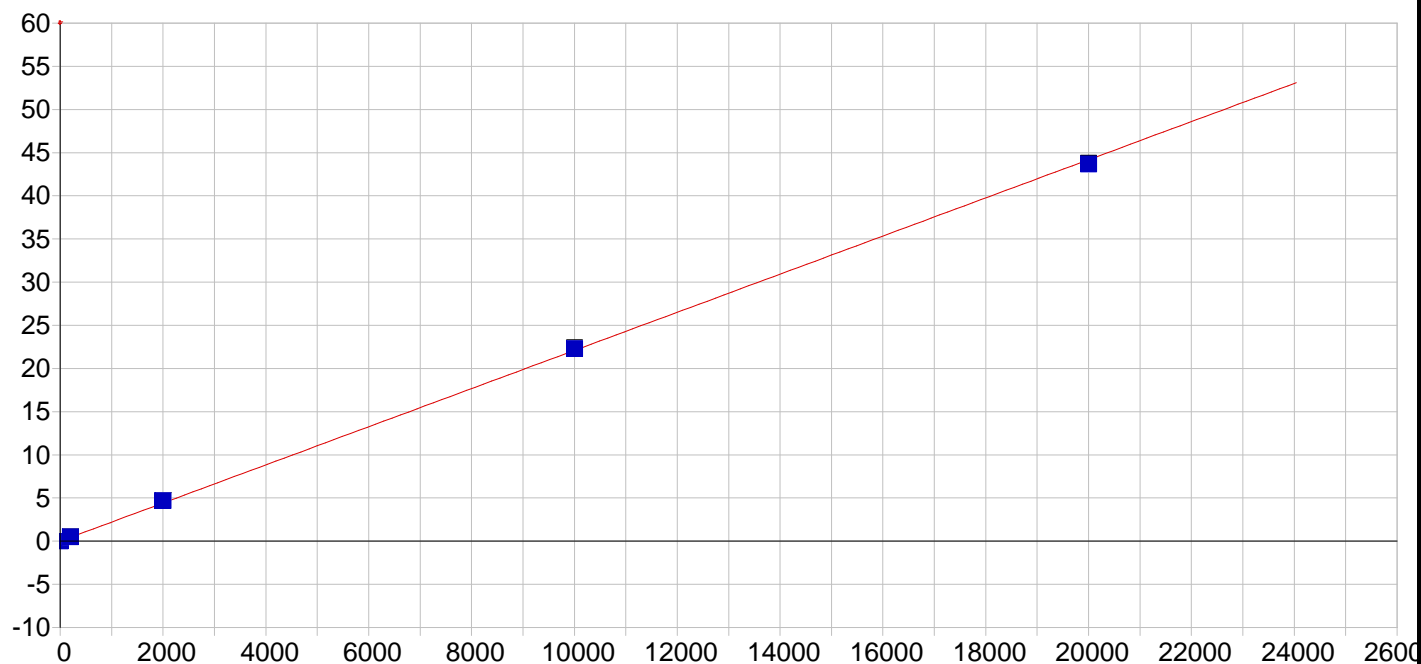


Ag 328.068 {103}

Date of Fit: 4/19/2016 10:33:49      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): -0.000321      Re-Slope: 1.000000  
 A1 (Gain): 0.000216      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999970      Status: OK.  
 Std Error of Est: 0.000014  
 Predicted MDL: 0.627115  
 Predicted MQL: 2.090383

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00030	.000	.000	-.00032	.000	1
CAL2	10.000	9.7712	-.229	-2.29	.00177	.000	1
CAL3	250.00	249.43	-.568	-2.27	.05320	.000	1
CAL4	1250.0	1236.4	-13.6	-1.09	.26494	.000	1
CAL5	2500.0	2514.4	14.4	.576	.53920	.002	1

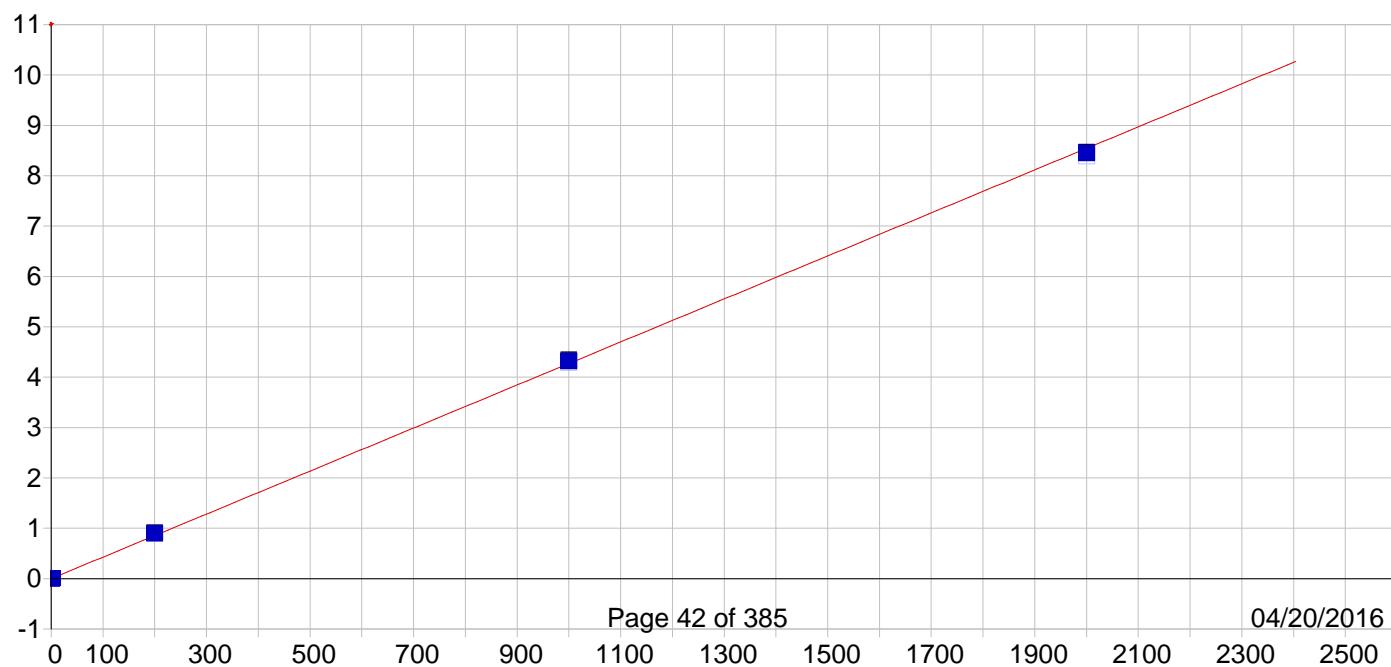


### Ba 233.527 {445}

Date of Fit: 4/19/2016 10:33:49      Type of Fit: Linear      Weighting: 1/Conc

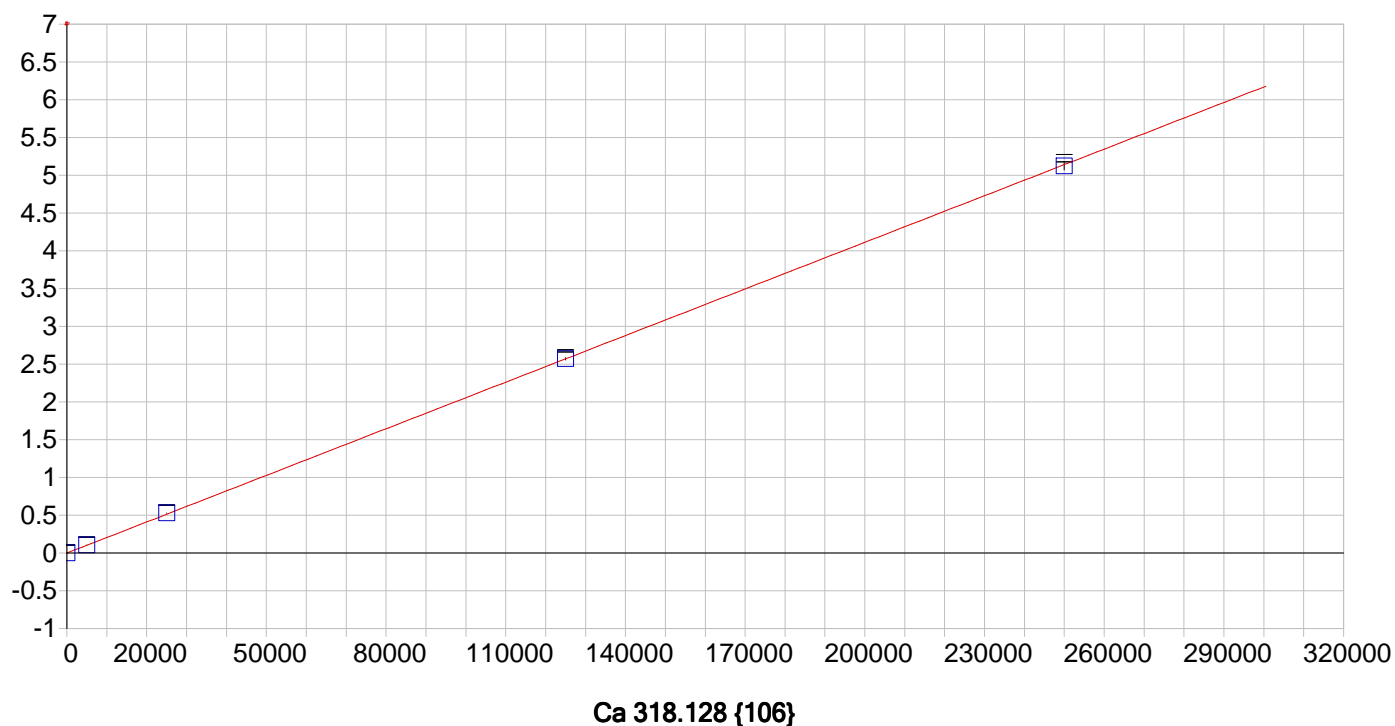
A0 (Offset):	-0.000043	Re-Slope: 1.000000
A1 (Gain):	0.002209	Y-int: 0.000000
A2 (Curvature):	0.000000	
n (Exponent):	1.000000	
Correlation:	0.999815	Status: OK.
Std Error of Est:	0.004392	
Predicted MDL:	0.140063	
Predicted MQL:	0.466875	

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.02651		-.027	.000	-.00010	.000	1
CAL2	200.00		214.93		14.9	7.47	.47457	.001	1
CAL3	2000.0		2119.6		120.	5.98	4.6770	.010	1
CAL4	10000.		10097.		96.7	.967	22.278	.060	1
CAL5	20000.		19769.		-231.	-1.16	43.619	.099	1



Predicted MDL: 0.115483  
 Predicted MQL: 0.384945

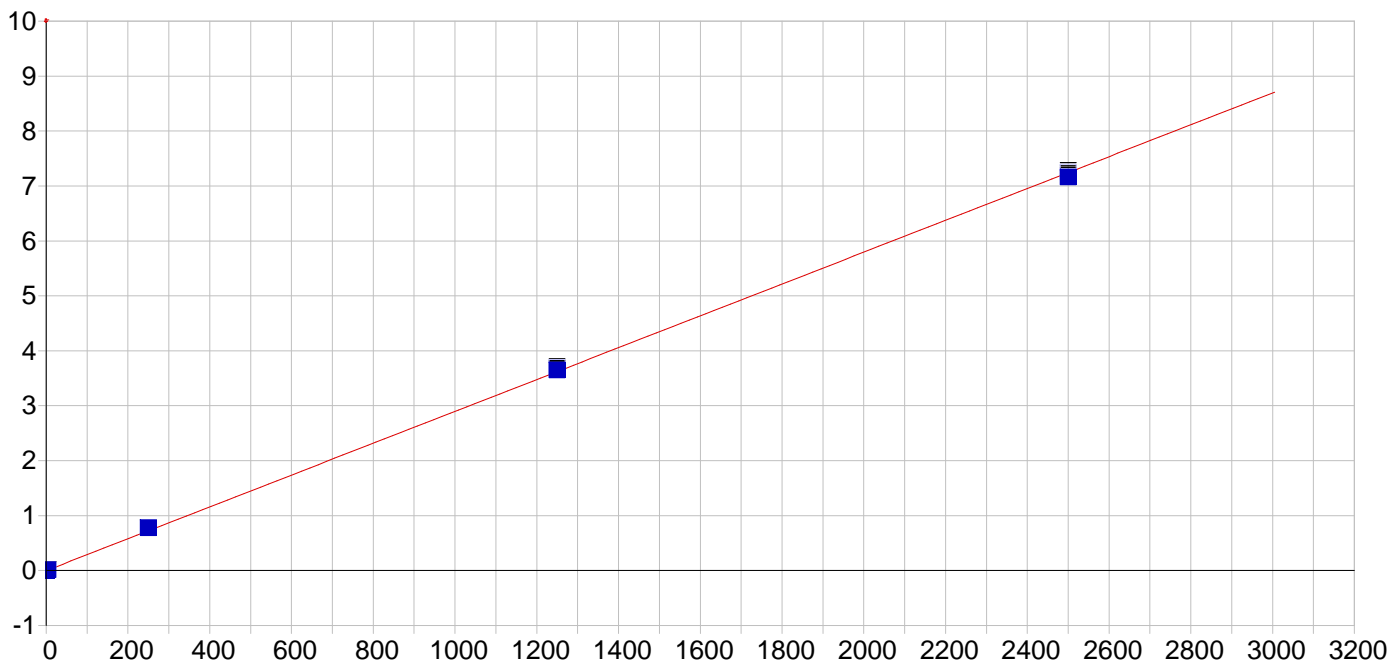
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00014	-.000	.000	.00019	.000	1
CAL2	2.0000	2.0292	.029	1.46	.00880	.000	1
CAL3	200.00	210.55	10.6	5.28	.89333	.002	1
CAL4	1000.0	1011.2	11.2	1.12	4.2882	.021	1
CAL5	2000.0	1978.2	-21.8	-1.09	8.3878	.014	1



Date of Fit: 4/19/2016 10:33:49 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001026 Re-Slope: 1.000000  
 A1 (Gain): 0.000021 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999967 Status: OK.  
 Std Error of Est: 0.000305  
 Predicted MDL: 6.240721  
 Predicted MQL: 20.802402

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.25691	-.257	.000	-.00103	.000	1
CAL2	5000.0	5131.8	132.	2.64	.10452	.001	1
CAL3	25000.	25705.	705.	2.82	.52765	.002	1
CAL4	125000.	125040.	44.5	.036	2.5708	.015	1
CAL5	250000.	249120.	-881.	-.352	5.1226	.049	1

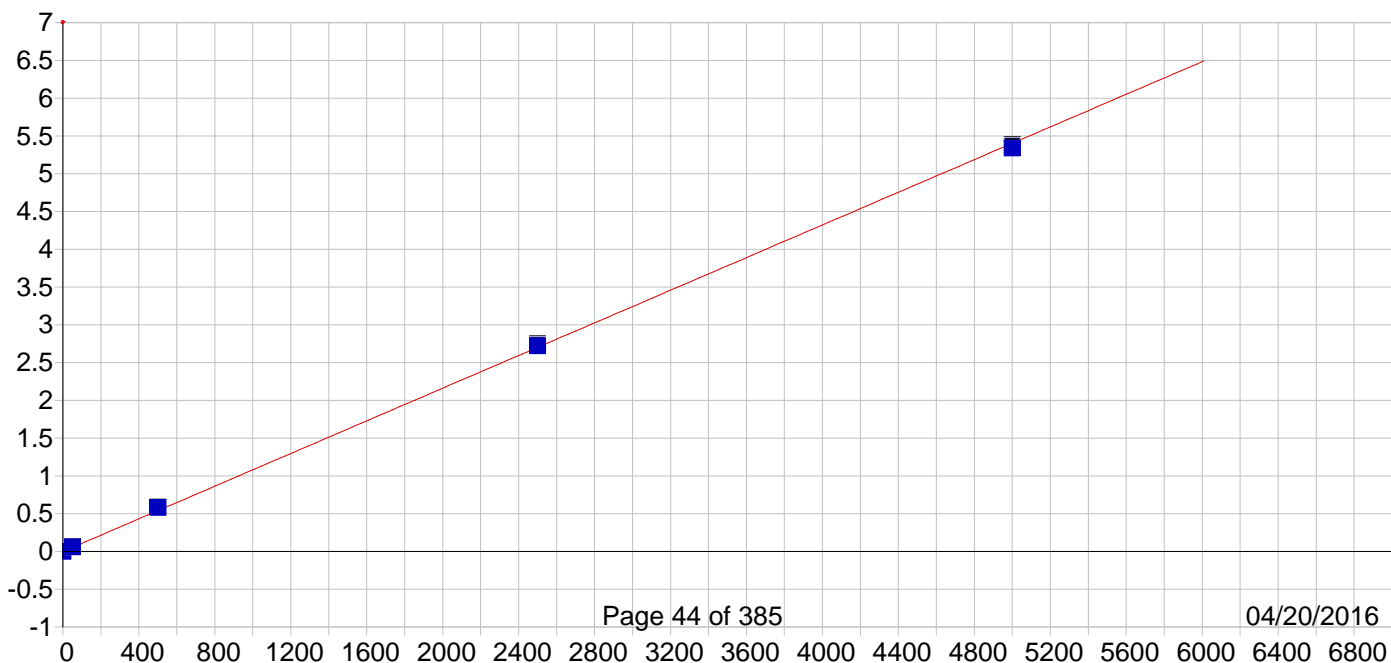


### Cd 226.502 {449}

Date of Fit: 4/19/2016 10:33:49 Type of Fit: Linear Weighting: 1/Conc

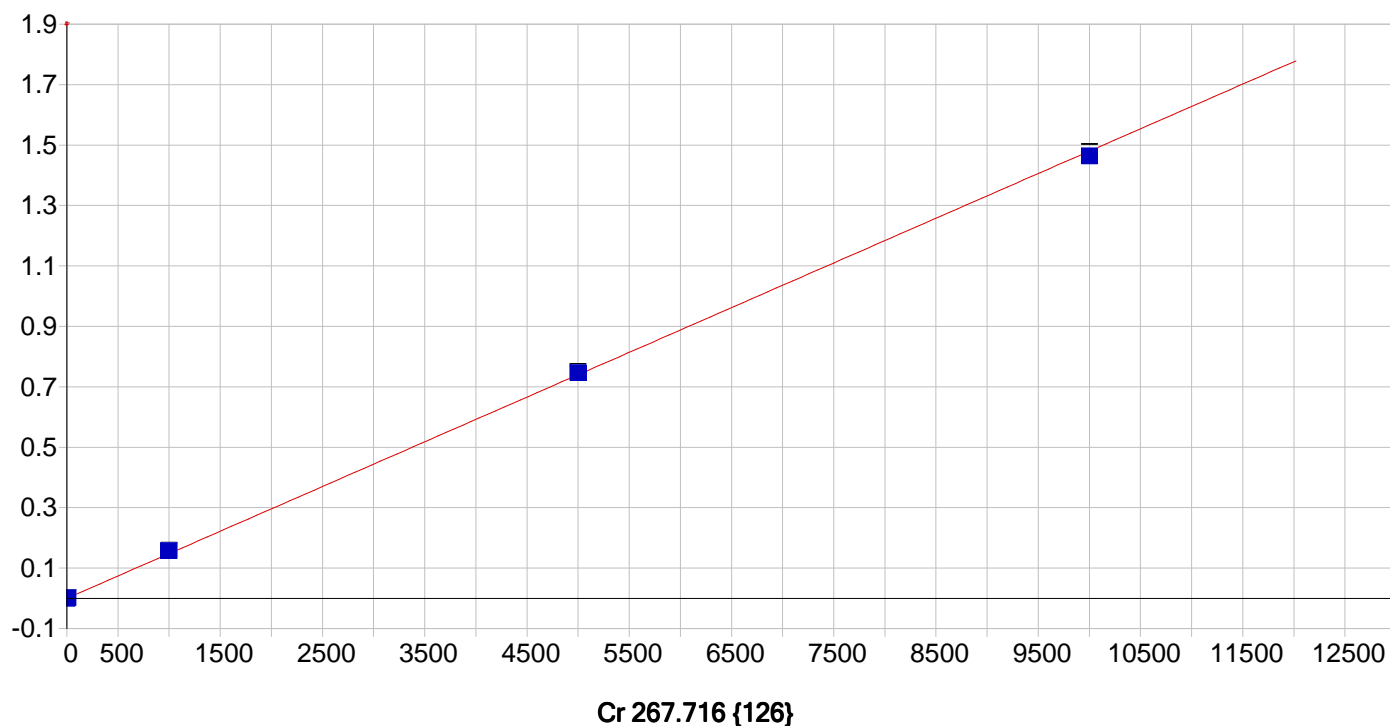
A0 (Offset): -0.001162 Re-Slope: 1.000000  
 A1 (Gain): 0.002898 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999801 Status: OK.  
 Std Error of Est: 0.000302  
 Predicted MDL: 0.128650  
 Predicted MQL: 0.428834

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00050		-.001	.000	-.00116	.000	1
CAL2	4.0000		4.2360		.236	5.90	.01118	.000	1
CAL3	250.00		267.50		17.5	7.00	.78258	.001	1
CAL4	1250.0		1260.2		10.2	.813	3.6934	.015	1
CAL5	2500.0		2472.1		-27.9	-1.12	7.2481	.028	1



Predicted MDL: 0.290965  
 Predicted MQL: 0.969884

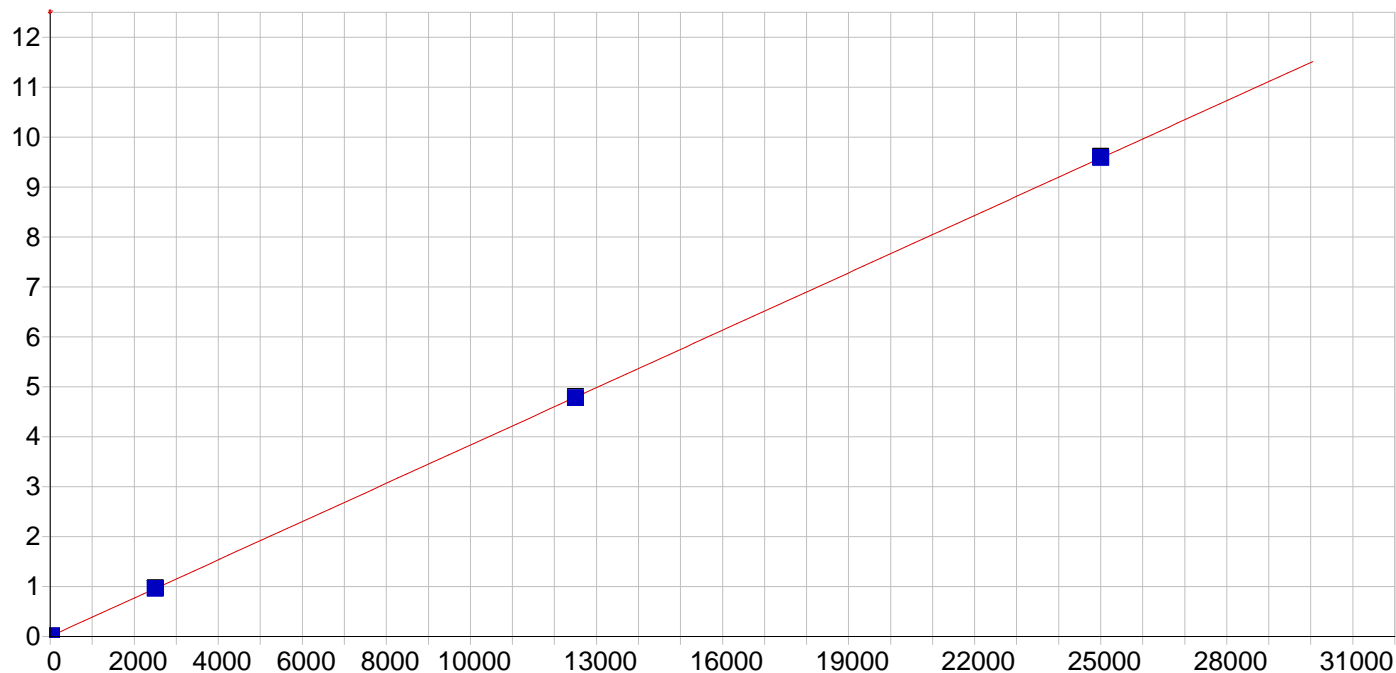
Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00779		-.008	.000	-.00061	.000	1
CAL2	50.000		54.343		4.34	8.69	.05815	.000	1
CAL3	500.00		536.87		36.9	7.37	.58325	.001	1
CAL4	2500.0		2517.0		17.0	.680	2.7378	.009	1
CAL5	5000.0		4941.8		-58.2	-1.16	5.3765	.011	1



Date of Fit: 4/19/2016 10:33:49 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000024 Re-Slope: 1.000000  
 A1 (Gain): 0.000148 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999816 Status: OK.  
 Std Error of Est: 0.000046  
 Predicted MDL: 0.565545  
 Predicted MQL: 1.885151

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00155		-.002	.000	.00002	.000	1
CAL2	10.000		10.917		.917	9.17	.00165	.000	1
CAL3	1000.0		1065.8		65.8	6.58	.15775	.000	1
CAL4	5000.0		5040.5		40.5	.810	.74600	.004	1
CAL5	10000.		9892.8		-107.	-1.07	1.4641	.013	1

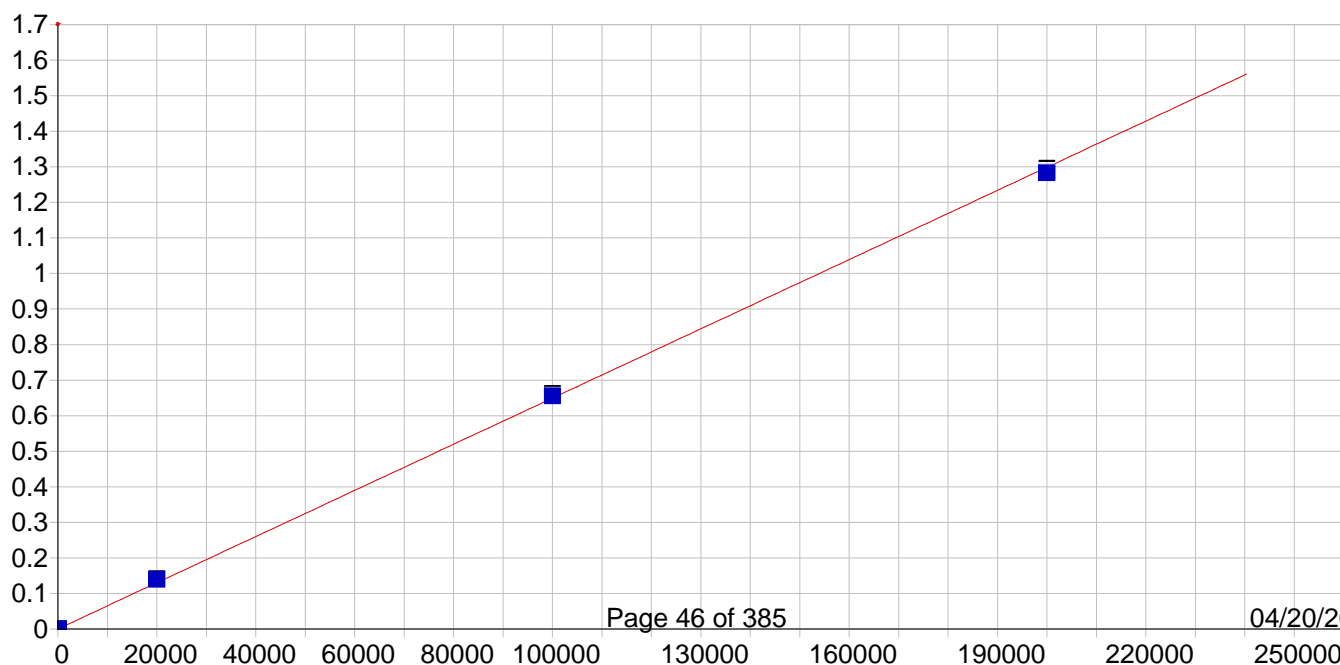


### Cu 324.754 {104}

Date of Fit: 4/19/2016 10:33:49 Type of Fit: Linear Weighting: 1/Conc

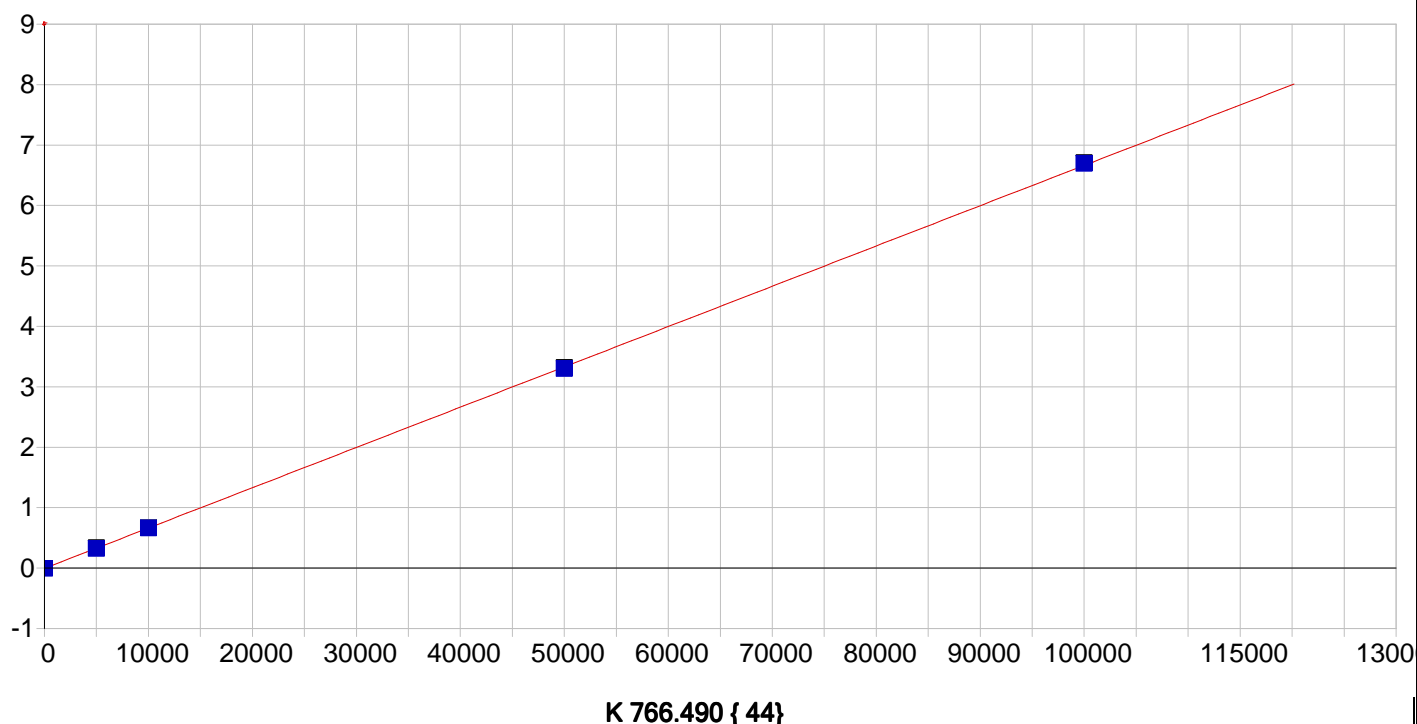
A0 (Offset): 0.002786 Re-Slope: 1.000000  
 A1 (Gain): 0.000383 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999999 Status: OK.  
 Std Error of Est: 0.000025  
 Predicted MDL: 0.328523  
 Predicted MQL: 1.095077

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00033		-.000	.000	.00279	.000	1
CAL2	25.000		25.295		.295	1.18	.01246	.000	1
CAL3	2500.0		2507.3		7.34	.293	.96293	.005	1
CAL4	12500.		12472.		-27.6	-.221	4.7788	.018	1
CAL5	25000.		25020.		20.0	.080	9.5838	.023	1



Predicted MDL: 12.577534  
 Predicted MQL: 41.925114

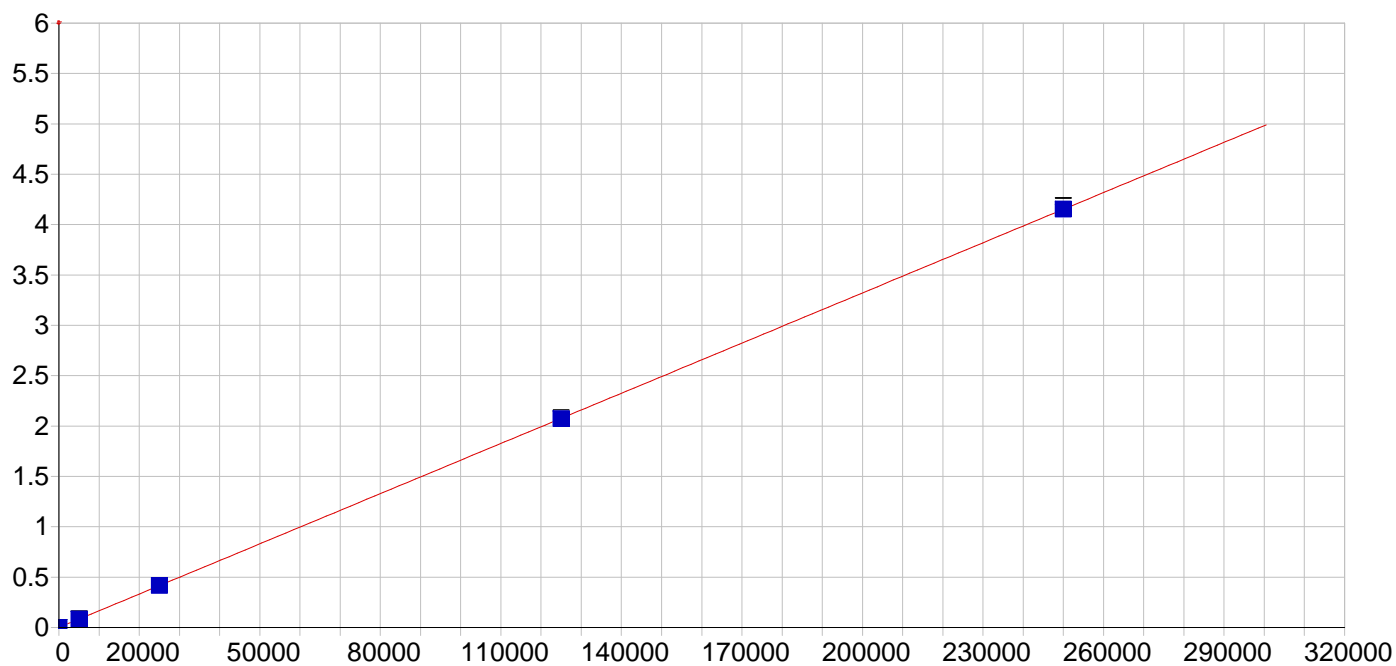
Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.01917		-.019	.000	.00019	.000	1
CAL2	150.00		158.63		8.63	5.75	.00124	.000	1
CAL3	20000.		21457.		1460.	7.28	.13982	.001	1
CAL4	100000.		100960.		959.	.959	.65727	.004	1
CAL5	200000.		197580.		-2420.	-1.21	1.2862	.010	1



Date of Fit: 4/19/2016 10:33:49      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): -0.003948      Re-Slope: 1.000000  
 A1 (Gain): 0.000067      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999981      Status: OK.  
 Std Error of Est: 0.000480  
 Predicted MDL: 38.440407  
 Predicted MQL: 128.134690

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.06820		.068	.000	-.00394	.002	1
CAL2	5000.0		4944.7		-55.3	-1.11	.32575	.002	1
CAL3	10000.		10012.		11.6	.116	.66385	.005	1
CAL4	50000.		49583.		-417.	-.834	3.3033	.008	1
CAL5	100000.		100460.		461.	.461	6.6970	.005	1

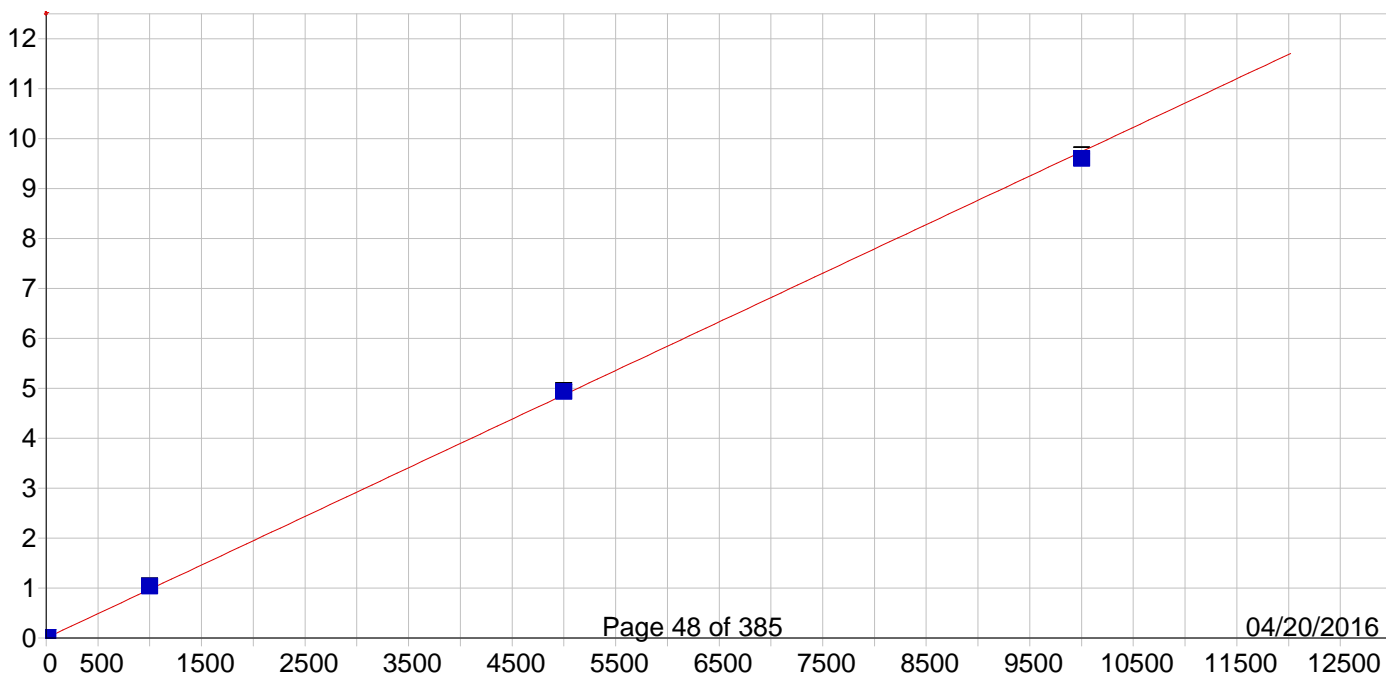


### Mg 279.079 {121}

Date of Fit: 4/19/2016 10:33:49 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000218 Re-Slope: 1.000000  
 A1 (Gain): 0.000017 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999999 Status: OK.  
 Std Error of Est: 0.000049  
 Predicted MDL: 5.479857  
 Predicted MQL: 18.266189

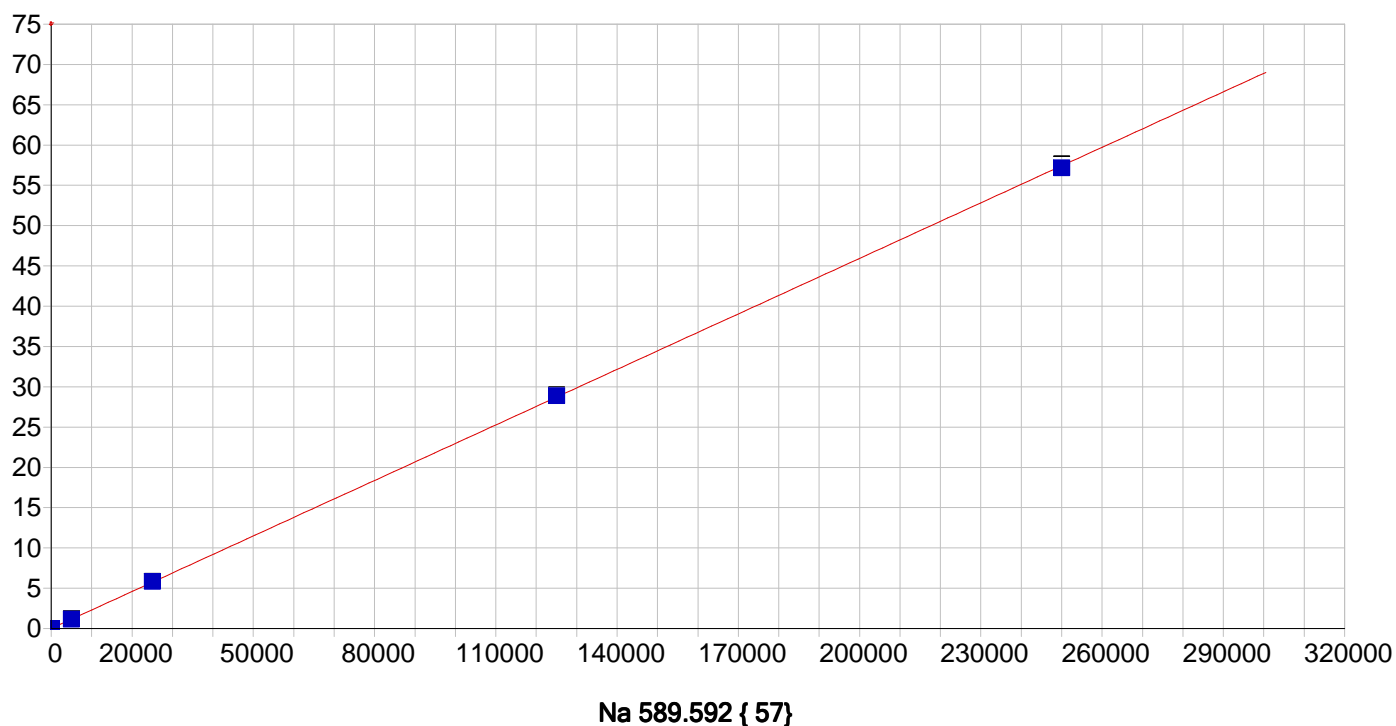
Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.02820		.028	.000	.00022	.000	1
CAL2	5000.0		4956.2		-43.8	-.875	.08253	.000	1
CAL3	25000.		25100.		100.	.401	.41679	.001	1
CAL4	125000.		124830.		-168.	-.134	2.0720	.006	1
CAL5	250000.		250110.		111.	.044	4.1511	.033	1





Predicted MDL: 0.079106  
Predicted MQL: 0.263687

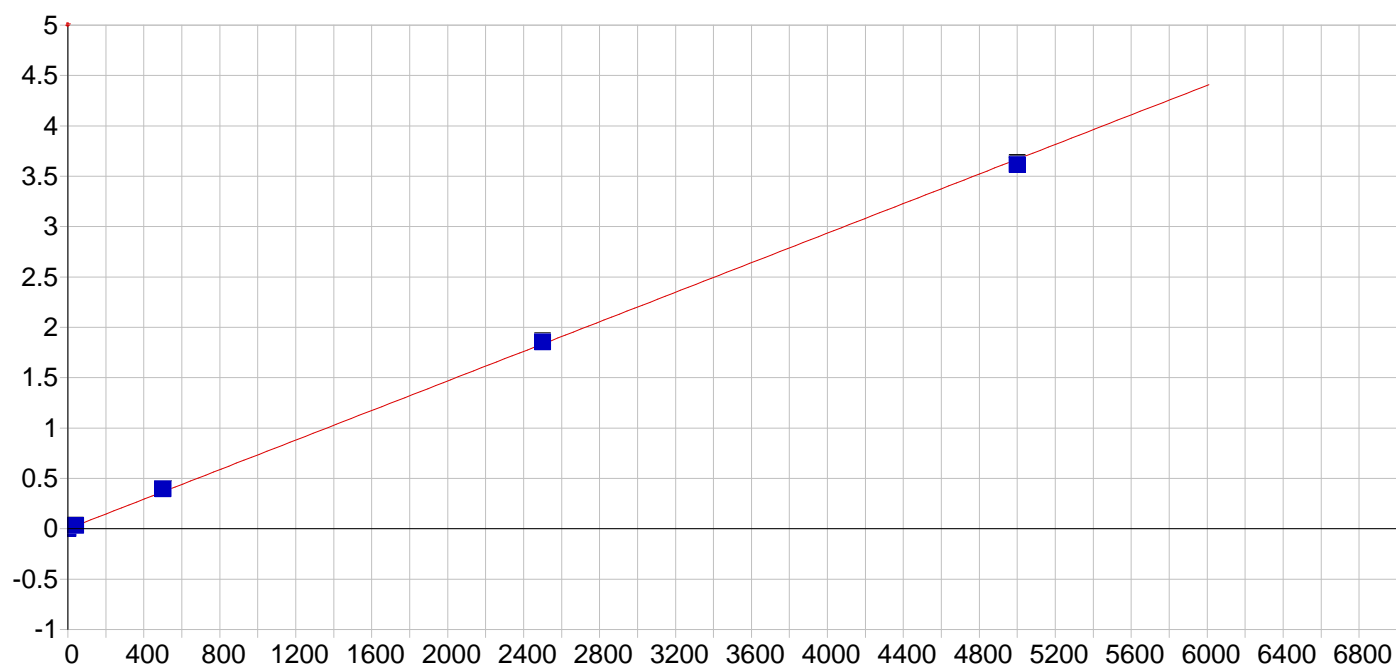
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00220	-.002	.000	.00027	.000	1
CAL2	15.000	16.191	1.19	7.94	.01604	.000	1
CAL3	1000.0	1067.5	67.5	6.75	1.0395	.002	1
CAL4	5000.0	5069.2	69.2	1.38	4.9352	.020	1
CAL5	10000.	9862.2	-138.	-1.38	9.6013	.067	1



Date of Fit: 4/19/2016 10:33:49      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.003229      Re-Slope: 1.000000  
A1 (Gain): 0.000230      Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.999980      Status: OK.  
Std Error of Est: 0.002696  
Predicted MDL: 9.416261  
Predicted MQL: 31.387538

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.14461	-.145	.000	.00320	.002	1
CAL2	5000.0	5062.6	62.6	1.25	1.1660	.007	1
CAL3	25000.	25380.	380.	1.52	5.8342	.008	1
CAL4	125000.	125740.	740.	.592	28.892	.062	1
CAL5	250000.	248820.	-1180.	-.473	57.168	.469	1

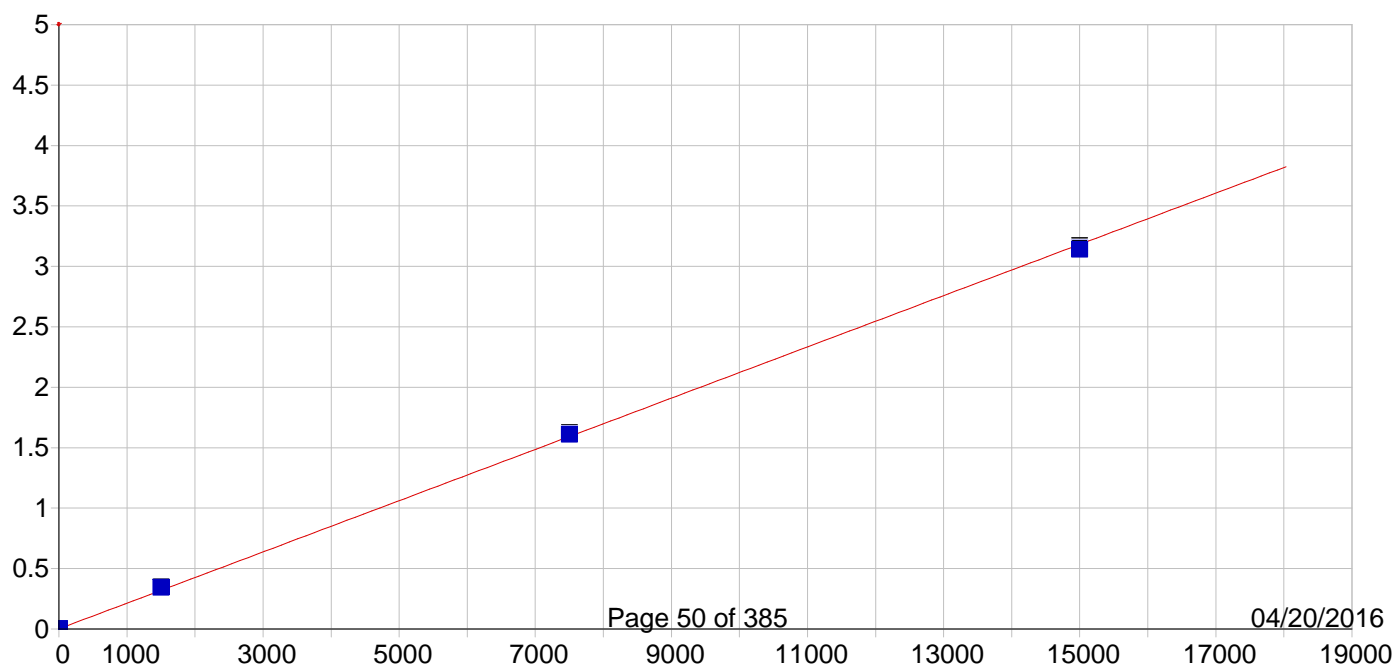


### Ni 231.604 {446}

Date of Fit: 4/19/2016 10:33:49 Type of Fit: Linear Weighting: 1/Conc

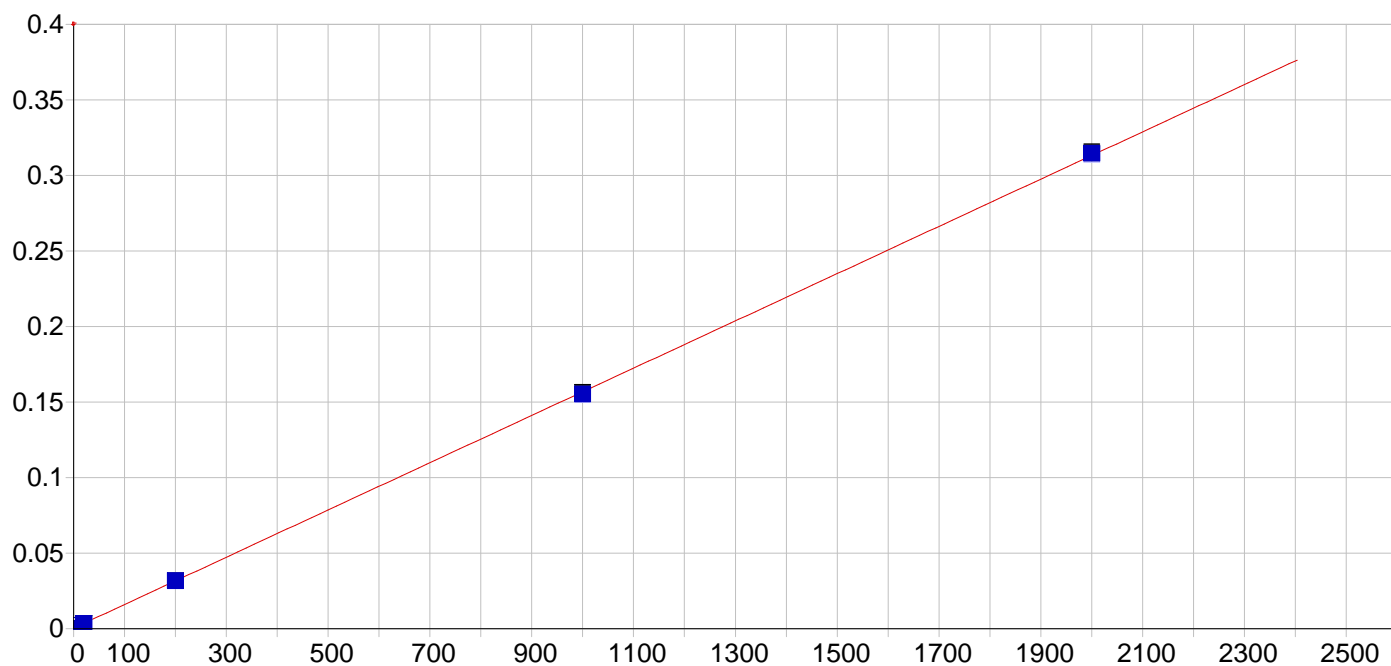
A0 (Offset): -0.000073 Re-Slope: 1.000000  
 A1 (Gain): 0.000734 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999683 Status: OK.  
 Std Error of Est: 0.000428  
 Predicted MDL: 0.498508  
 Predicted MQL: 1.661692

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-0.00761		-0.008	.000	-0.00008	.000	1
CAL2	40.000		44.523		4.52	11.3	.03260	.000	1
CAL3	500.00		540.33		40.3	8.07	.39690	.001	1
CAL4	2500.0		2527.6		27.6	1.10	1.8570	.007	1
CAL5	5000.0		4927.6		-72.4	-1.45	3.6205	.012	1



Predicted MDL: 1.920879  
 Predicted MQL: 6.402930

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00050	-.001	.000	.00152	.000	1
CAL2	10.000	11.300	1.30	13.0	.00393	.000	1
CAL3	1500.0	1616.2	116.	7.75	.34599	.000	1
CAL4	7500.0	7582.7	82.7	1.10	1.6182	.006	1
CAL5	15000.	14800.	-200.	-1.33	3.1575	.011	1
CAL1	5.0000	4.4757	-.524	-10.5	.00246	.000	1

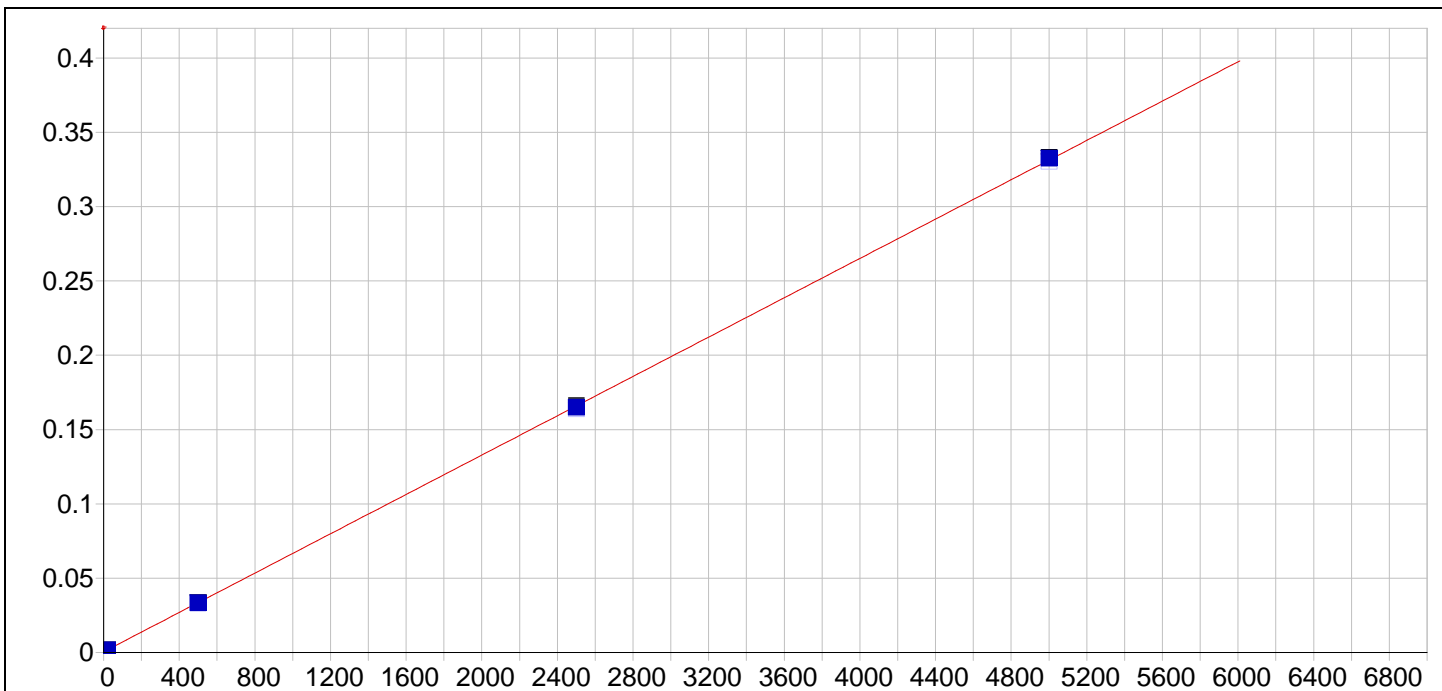


**Sb 206.833 {463}**

Date of Fit: 4/19/2016 10:33:49      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.000391      Re-Slope: 1.000000  
 A1 (Gain): 0.000156      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999930      Status: OK.  
 Std Error of Est: 0.000013  
 Predicted MDL: 1.684866  
 Predicted MQL: 5.616221

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00107	-.001	.000	.00039	.000	1
CAL2	20.000	18.924	-1.08	-5.38	.00327	.000	1
CAL3	200.00	200.23	.229	.115	.03162	.000	1
CAL4	1000.0	990.69	-9.31	-.931	.15491	.001	1
CAL5	2000.0	2008.5	8.48	.424	.31367	.001	1
CAL1	10.000	11.647	1.65	16.5	.00221	.000	1

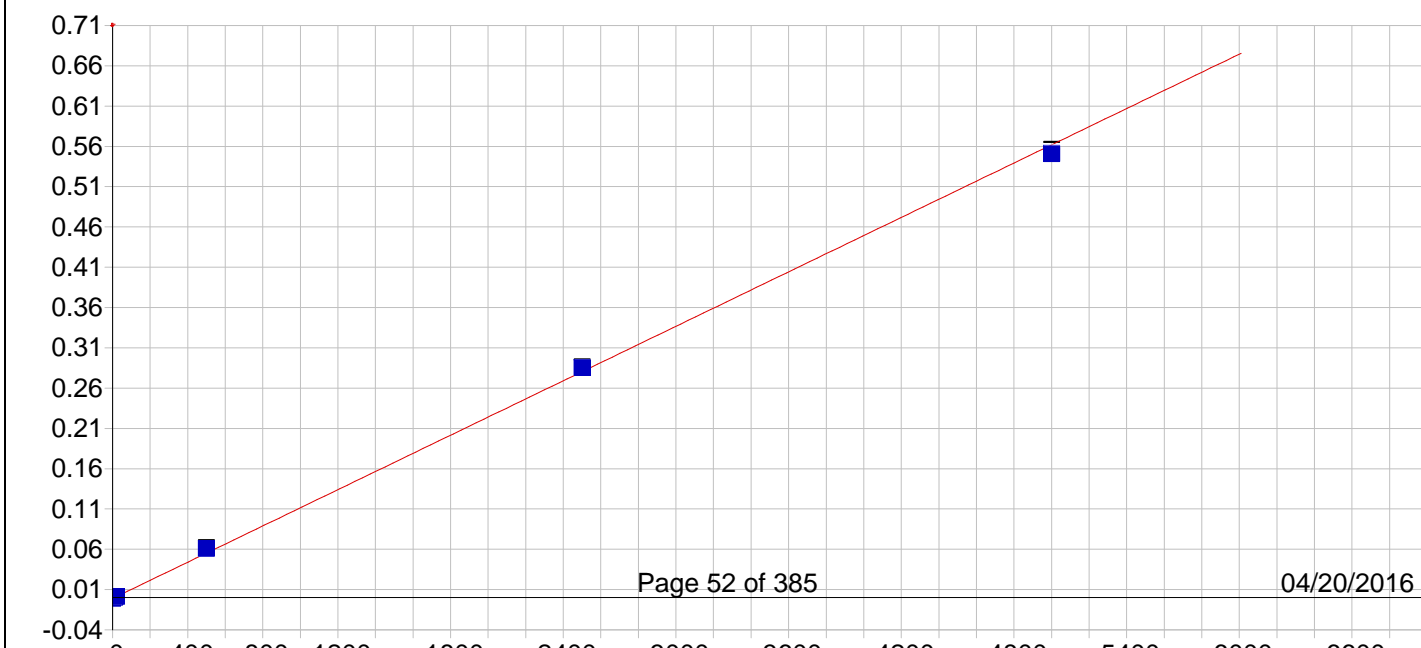


### Se 196.090 (472)

Date of Fit: 4/19/2016 10:33:49 Type of Fit: Linear Weighting: 1/Conc

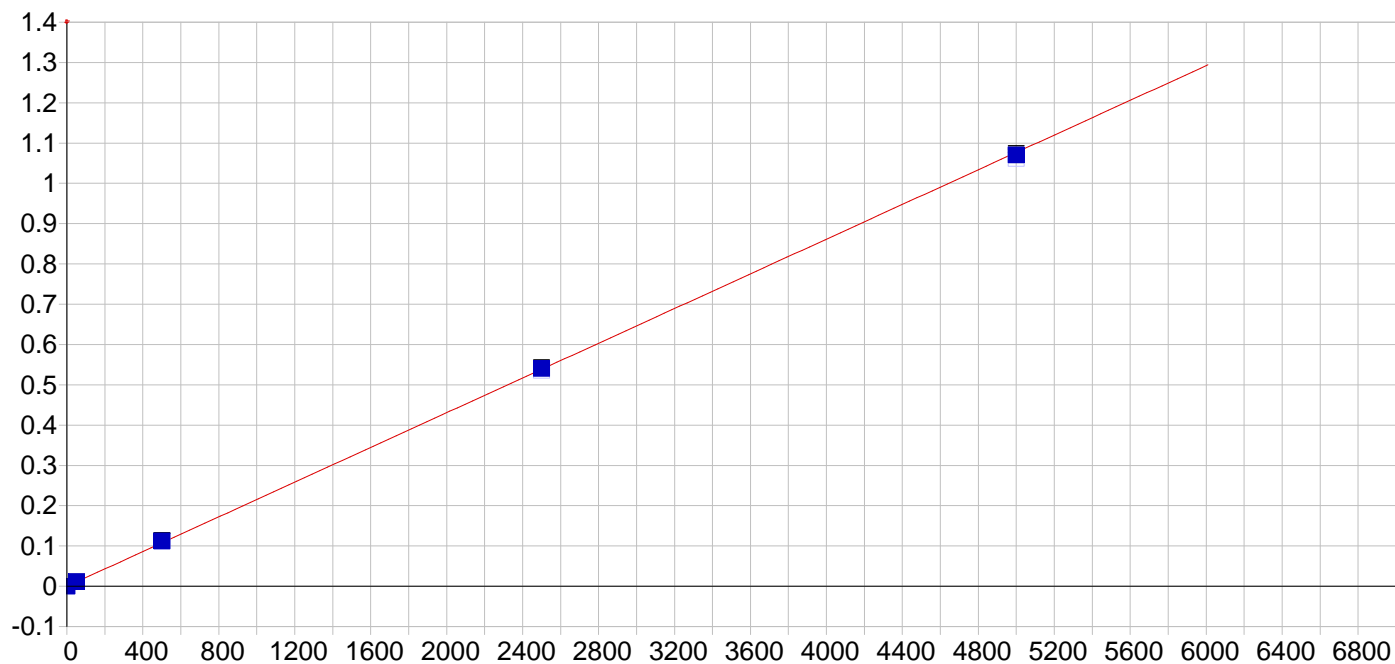
A0 (Offset): 0.000476 Re-Slope: 1.000000  
 A1 (Gain): 0.000066 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999970 Status: OK.  
 Std Error of Est: 0.000004  
 Predicted MDL: 3.208983  
 Predicted MQL: 10.696609

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00049		.000	.000	.00048	.000	1
CAL2	20.000		17.596		-2.40	-12.0	.00164	.000	1
CAL3	500.00		496.36		-3.64	-.728	.03309	.000	1
CAL4	2500.0		2485.8		-14.2	-.569	.16380	.001	1
CAL5	5000.0		5020.1		20.1	.402	.33034	.000	1
CAL1	5.0000		5.1552		.155	3.10	.00082	.000	1



Std Error of Est: 0.000040  
 Predicted MDL: 2.130315  
 Predicted MQL: 7.101050

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00326	-.003	.000	-.00110	.000	1
CAL2	20.000	22.330	2.33	11.7	.00143	.000	1
CAL3	500.00	551.10	51.1	10.2	.06107	.000	1
CAL4	2500.0	2543.3	43.3	1.73	.28582	.000	1
CAL5	5000.0	4902.2	-97.8	-1.96	.55199	.004	1
CAL1	10.000	11.091	1.09	10.9	.00015	.000	1

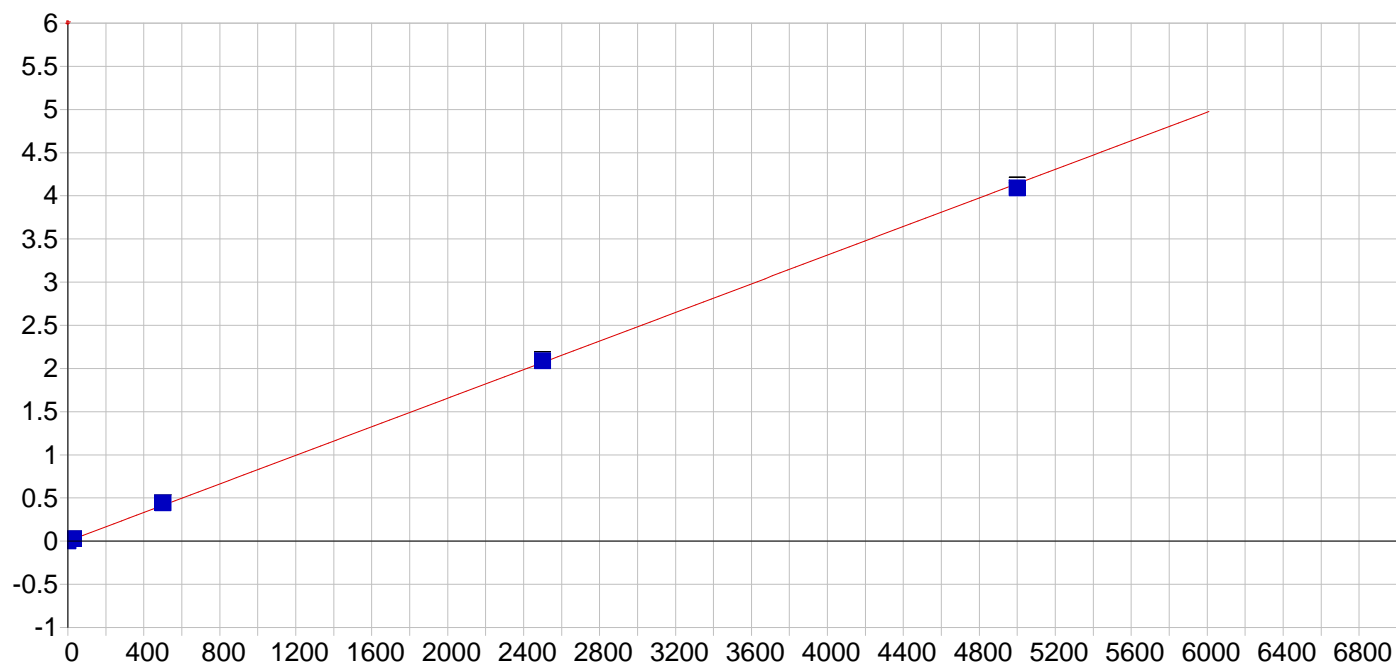


V 292.402 {115}

Date of Fit: 4/19/2016 10:33:49      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): -0.000023      Re-Slope: 1.000000  
 A1 (Gain): 0.000215      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999921      Status: OK.  
 Std Error of Est: 0.000070  
 Predicted MDL: 0.466968  
 Predicted MQL: 1.556561

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00391	-.004	.000	-.00002	.000	1
CAL2	50.000	51.879	1.88	3.76	.01112	.000	1
CAL3	500.00	521.90	21.9	4.38	.11151	.000	1
CAL4	2500.0	2508.1	8.06	.322	.53580	.002	1
CAL5	5000.0	4968.2	-31.8	-6.37	1.0613	.004	1

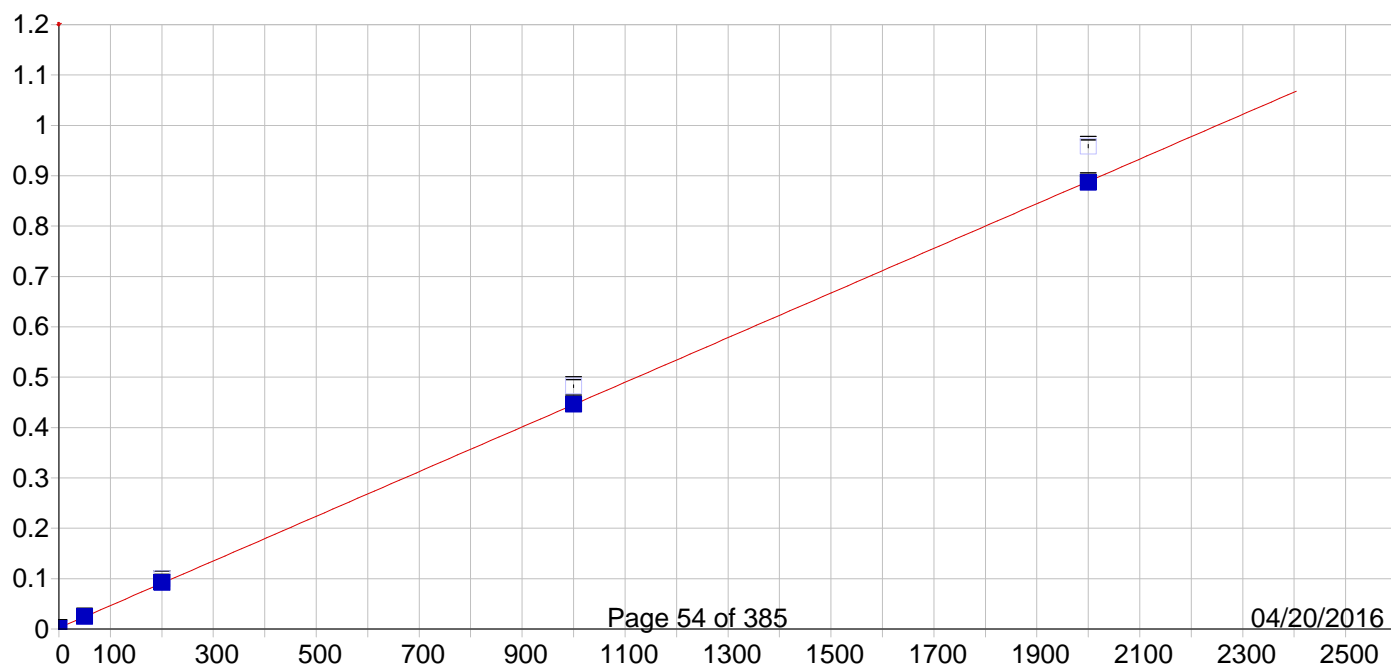


### Zn 206.200 {463}

Date of Fit: 4/19/2016 10:33:49 Type of Fit: Linear Weighting: 1/Conc

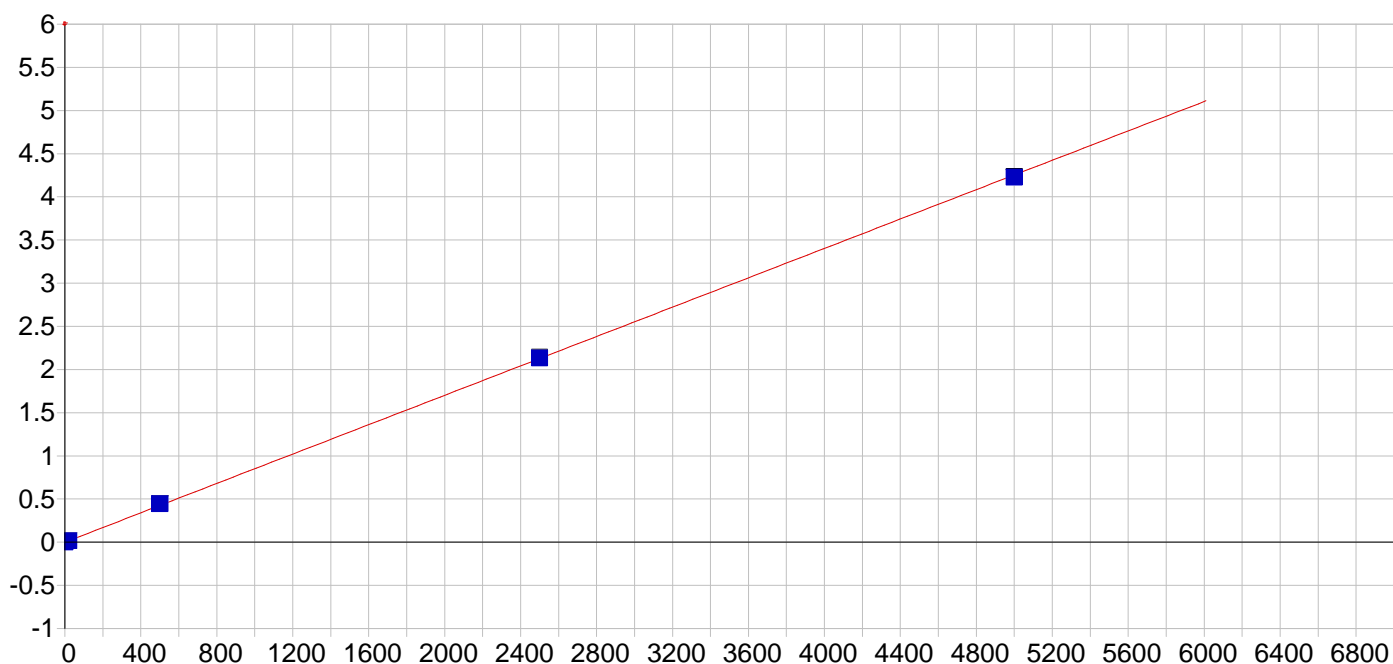
A0 (Offset): -0.000168 Re-Slope: 1.000000  
 A1 (Gain): 0.000828 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999776 Status: OK.  
 Std Error of Est: 0.000351  
 Predicted MDL: 0.258363  
 Predicted MQL: 0.861209

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00428		-.004	.000	-.00017	.000	1
CAL2	30.000		32.241		2.24	7.47	.02653	.000	1
CAL3	500.00		535.56		35.6	7.11	.44301	.002	1
CAL4	2500.0		2521.7		21.7	.867	2.0864	.014	1
CAL5	5000.0		4940.5		-59.5	-1.19	4.0879	.031	1



Predicted MDL: 0.568859  
 Predicted MQL: 1.896196

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00159		-.002	.000	.00217	.000	1
CAL2	50.000		50.787		.787	1.57	.02498	.000	1
CAL3	200.00		203.53		3.53	1.77	.09963	.000	1
CAL4	1000.0		1001.0		1.02	.102	.48211	.003	1
CAL5	2000.0		1994.7		-5.29	-.265	.95879	.004	1

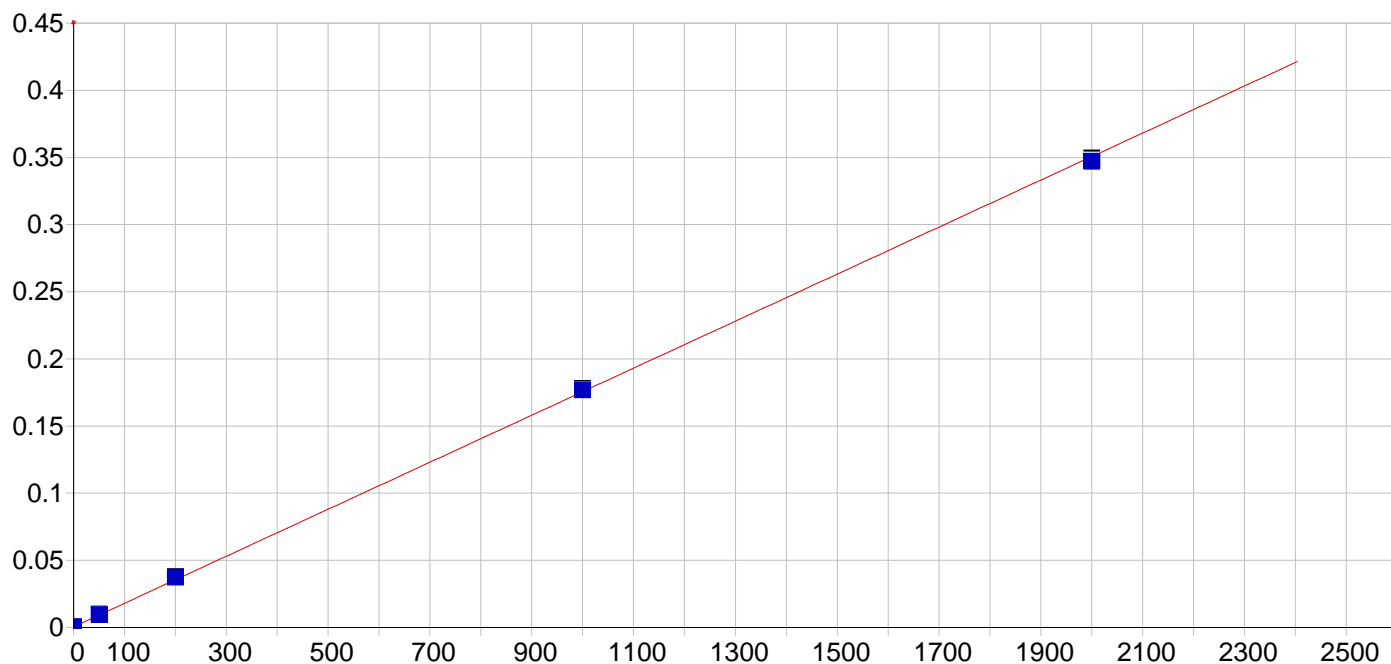


Mo 202.030 {467}

Date of Fit: 4/19/2016 10:33:49 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000009 Re-Slope: 1.000000  
 A1 (Gain): 0.000851 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999924 Status: OK.  
 Std Error of Est: 0.000171  
 Predicted MDL: 0.258723  
 Predicted MQL: 0.862412

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00143		-.001	.000	-.00001	.000	1
CAL2	20.000		20.598		.598	2.99	.01752	.000	1
CAL3	500.00		522.08		22.1	4.42	.44403	.001	1
CAL4	2500.0		2508.7		8.67	.347	2.1336	.005	1
CAL5	5000.0		4968.6		-31.4	-.627	4.2258	.005	1

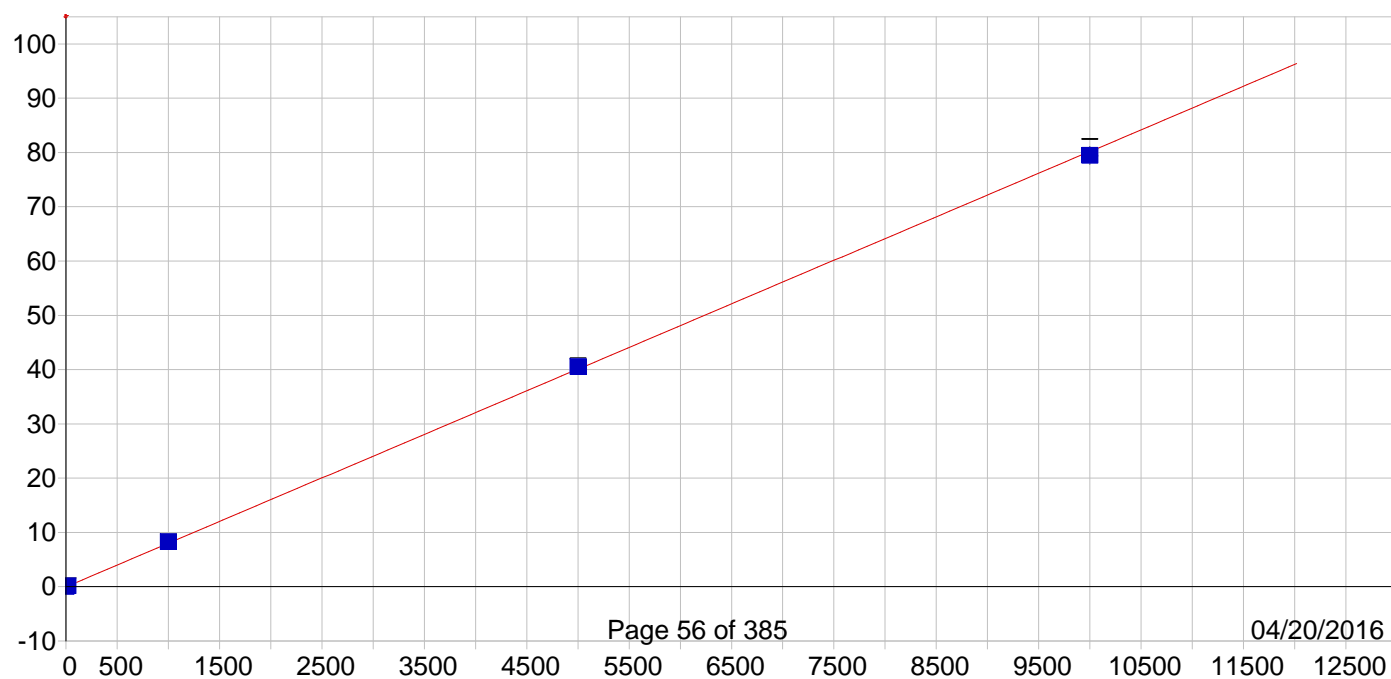


**Sn 189.989 {477}**

Date of Fit: 4/19/2016 10:33:49 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000529 Re-Slope: 1.000000  
 A1 (Gain): 0.000175 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999853 Status: OK.  
 Std Error of Est: 0.000049  
 Predicted MDL: 0.914042  
 Predicted MQL: 3.046806

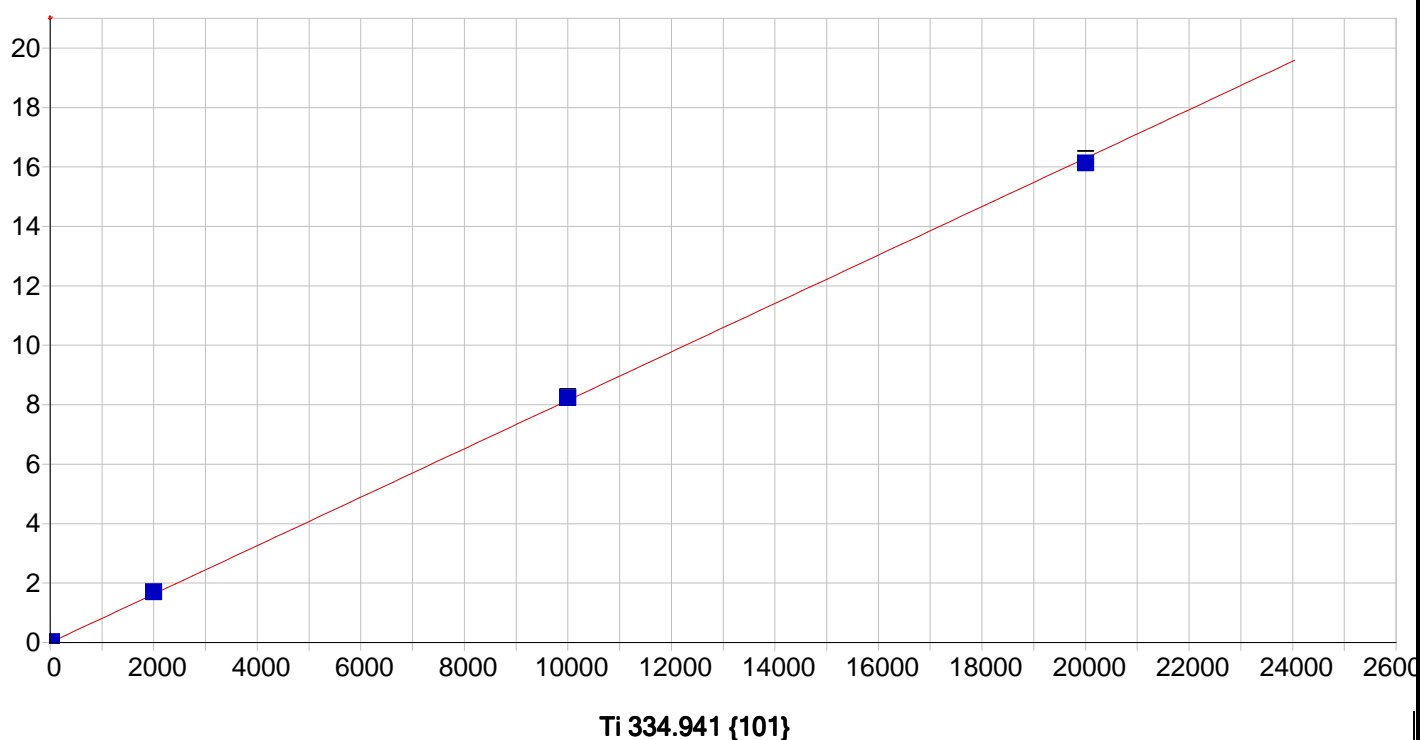
Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00462		-.005	.000	.00053	.000	1
CAL2	50.000		51.998		2.00	4.00	.00963	.000	1
CAL3	200.00		211.02		11.0	5.51	.03752	.000	1
CAL4	1000.0		1007.7		7.68	.768	.17718	.001	1
CAL5	2000.0		1979.3		-20.7	-1.03	.34751	.002	1





Predicted MDL: 0.119955  
 Predicted MQL: 0.399849

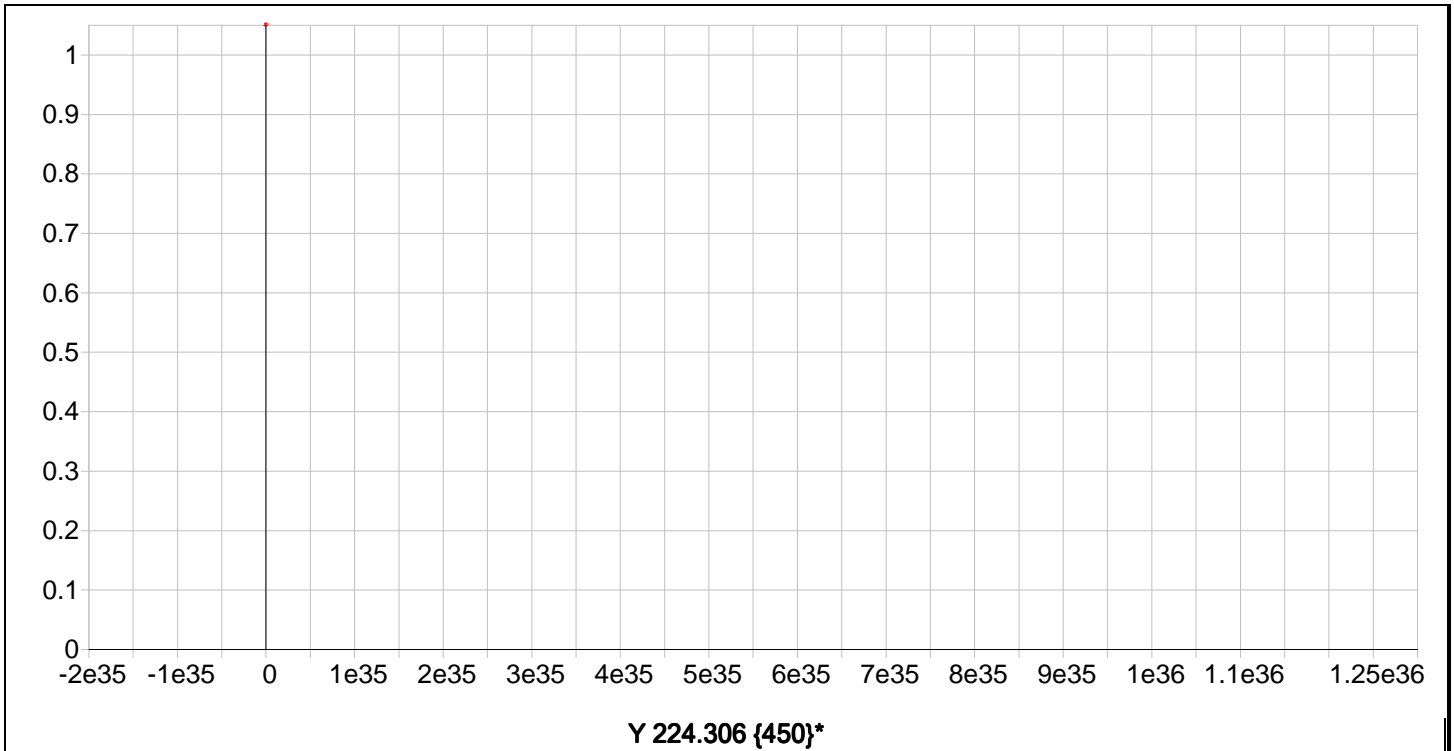
Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00184		-.002	.000	-.00324	.001	1
CAL2	20.000		21.160		1.16	5.80	.16667	.001	1
CAL3	1000.0		1031.2		31.2	3.12	8.2686	.027	1
CAL4	5000.0		5059.2		59.2	1.18	40.581	.052	1
CAL5	10000.		9908.5		-91.5	-.915	79.482	1.56	1



Date of Fit: 4/19/2016 10:33:49      Type of Fit: Linear      Weighting: 1/Conc

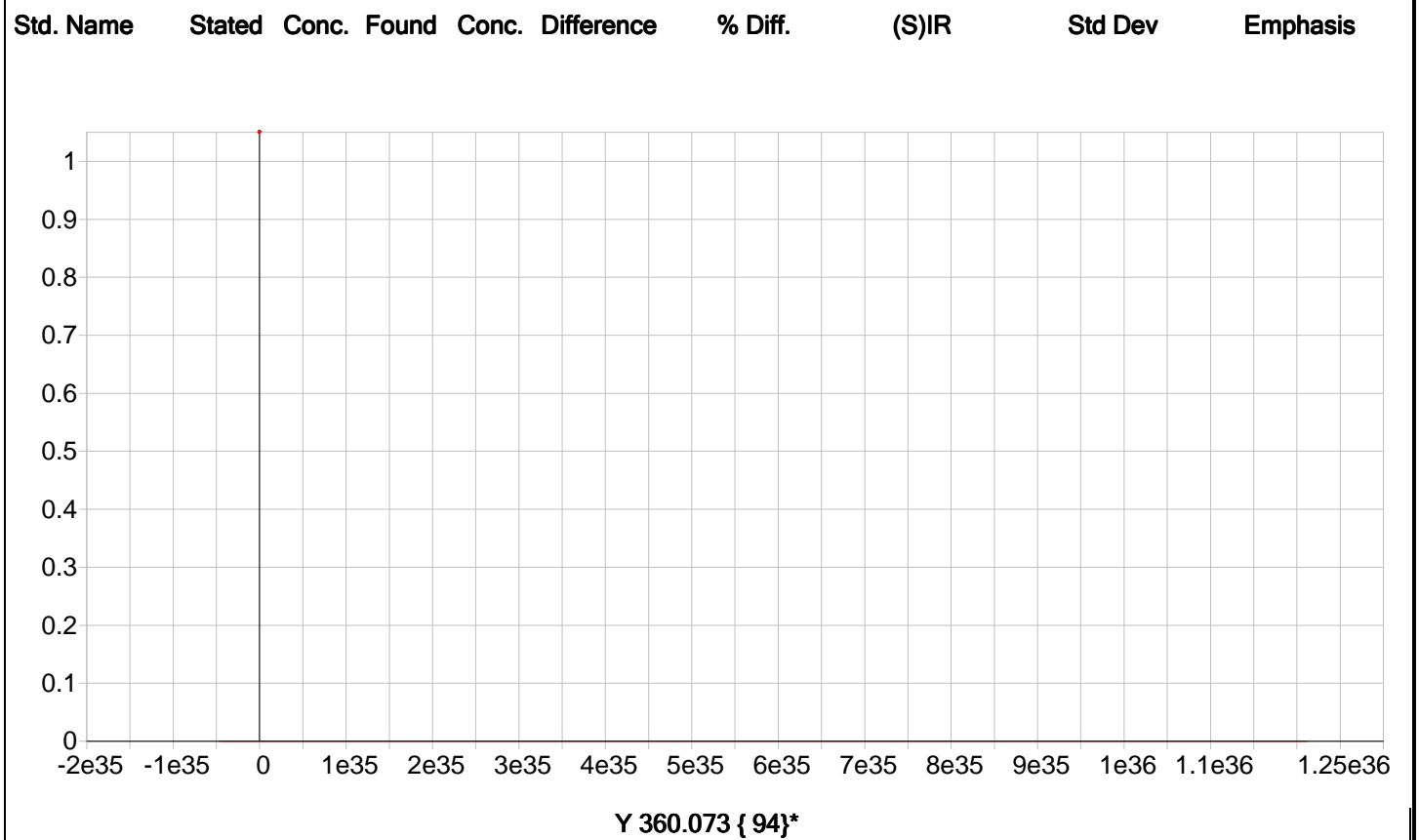
A0 (Offset): 0.000490      Re-Slope: 1.000000  
 A1 (Gain): 0.000815      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999878      Status: OK.  
 Std Error of Est: 0.000415  
 Predicted MDL: 0.200239  
 Predicted MQL: 0.667464

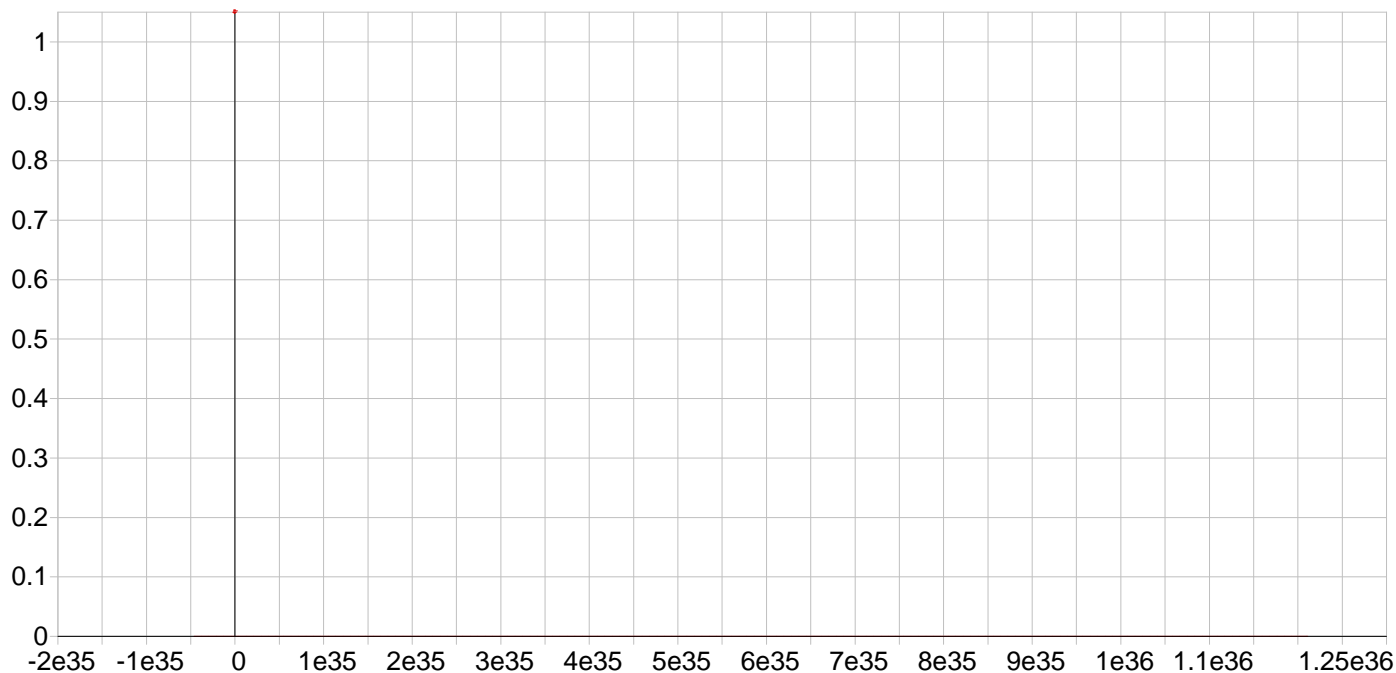
Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00183		-.002	.000	.00049	.000	1
CAL2	20.000		20.877		.877	4.39	.01750	.000	1
CAL3	2000.0		2093.5		93.5	4.67	1.7063	.002	1
CAL4	10000.		10112.		112.	1.12	8.2402	.021	1
CAL5	20000.		19793.		-207.	-1.03	16.129	.144	1



Date of Fit: 4/19/2016 10:09:26      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.000000      Re-Slope: 1.000000  
A1 (Gain): 0.000000      Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.000000      Status: Warning      Zero Gain  
Std Error of Est: 183.492520  
Predicted MDL: n/a  
Predicted MQL: n/a





Y 371.030 { 91}\*

Date of Fit: 4/19/2016 10:09:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000000

Re-Slope: 1.000000

A1 (Gain): 0.000000

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.000000

Status:

Warning

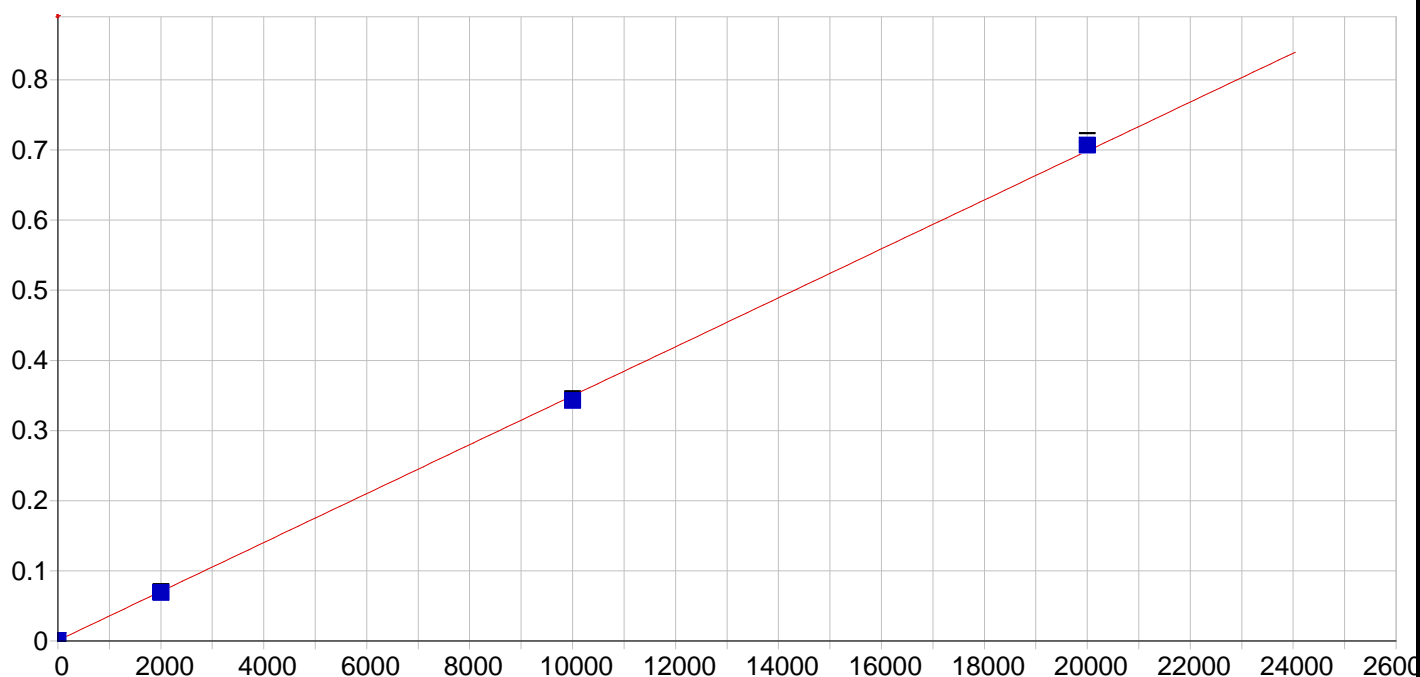
Zero Gain

Std Error of Est: 192.759705

Predicted MDL: n/a

Predicted MQL: n/a

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Si 288.158 {117}

Date of Fit: 4/19/2016 10:33:49

Type of Fit: Linear

Weighting: 1/Conc

04/20/2016

A0 (Offset): 0.000733

Re-Slope: 1.000000

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.05997		.060	.000	.00073	.000	1
CAL5	20000.		20242.		242.	1.21	.70594	.006	1
CAL3	2000.0		1955.3		-44.7	-2.23	.06885	.001	1
CAL4	10000.		9802.3		-198.	-1.98	.34221	.003	1

Sample Name: ICIS Cal Blk      Acquired: 4/19/2016 10:10:14      Type: Cal  
Method: sw04052016(v13)      Mode: IR      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0003	-.0003	-.0003	-.0001	.0002	-.0010
Stddev	.0004	.0001	.0001	.0001	.0002	.0001
%RSD	153.3	51.98	18.24	145.5	129.3	9.694

#1	.0008	-.0001	-.0003	-.0001	.0004	-.0011
#2	.0001	-.0003	-.0004	.0000	-.0001	-.0009
#3	-.0001	-.0004	-.0003	-.0003	.0002	-.0010

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0012	-.0006	.0000	.0028	.0002	-.0039
Stddev	.0001	.0004	.0000	.0000	.0000	.0015
%RSD	7.048	63.76	157.1	.6220	19.38	38.43

#1	-.0011	-.0010	.0001	.0028	.0002	-.0040
#2	-.0013	-.0002	.0000	.0028	.0002	-.0024
#3	-.0011	-.0006	-.0000	.0028	.0002	-.0054

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.0002	.0003	.0032	-.0001	.0015	.0004
Stddev	.0001	.0001	.0015	.0005	.0003	.0001
%RSD	28.65	25.64	47.13	612.6	16.99	28.07

#1	.0003	.0003	.0031	.0001	.0018	.0005
#2	.0002	.0003	.0047	-.0006	.0015	.0003
#3	.0002	.0002	.0017	.0003	.0013	.0004

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	.0005	-.0011	-.0000	-.0002	.0022	-.0000
Stddev	.0001	.0003	.0001	.0001	.0001	.0002
%RSD	21.82	25.94	326.8	56.64	3.540	2156.

#1	.0004	-.0010	.0001	-.0003	.0021	-.0002
#2	.0005	-.0009	-.0000	-.0002	.0022	.0002
#3	.0006	-.0014	-.0001	-.0001	.0022	-.0000

Sample Name: ICIS Cal Blk      Acquired: 4/19/2016 10:10:14      Type: Cal  
Method: sw04052016(v13)      Mode: IR      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0005	-.0032	.0005	.0007
Stddev	.0002	.0007	.0001	.0003
%RSD	33.90	20.61	14.15	36.40

#1	.0007	-.0025	.0004	.0004
#2	.0003	-.0039	.0005	.0008
#3	.0006	-.0033	.0005	.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2960.0	36679.	4990.2
Stddev	10.5	17.	34.3
%RSD	.35599	.04767	.68684

#1	2948.0	36690.	4953.8
#2	2964.8	36659.	4995.0
#3	2967.3	36688.	5021.9

Sample Name: CAL1      Acquired: 4/19/2016 10:14:16      Type: Cal  
Method: sw04052016(v13)      Mode: IR      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	As1890	Pb2203	Sb2068	Se196	Tl1908
Line	189.042 {478}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	.0025	.0022	.0008	.0002
Stddev	.0000	.0002	.0001	.0002	.0001
%RSD	15.37	9.274	6.609	24.66	43.67

#1	.0002	.0026	.0023	.0009	.0001
#2	.0002	.0022	.0022	.0006	.0002
#3	.0002	.0026	.0021	.0010	.0001

Int. Std.	Y_2243
Line	224.306 {450}
Units	Cts/S
Avg	2956.6
Stddev	4.8
%RSD	.16307

#1	2952.2
#2	2955.8
#3	2961.7

Sample Name: icb      Acquired: 4/19/2016 10:37:42      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>58.68</b>	<b>-.6152</b>	<b>.5231</b>	<b>.7517</b>	<b>.7345</b>	<b>11.39</b>
Stddev	109.6	1.229	.3364	.7258	.9299	24.30
%RSD	186.8	199.8	64.30	96.56	126.6	213.4
#1	-21.48	-1.541	.8764	1.585	.1266	38.67
#2	13.92	-1.083	.2066	.4089	.2720	-7.937
#3	183.6	.7791	.4864	.2608	1.805	3.432

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1152</b>	<b>.3125</b>	<b>.9372</b>	<b>1.978</b>	<b>8.874</b>	<b>90.34</b>
Stddev	.1396	.2120	.8491	2.710	19.25	34.97
%RSD	121.2	67.83	90.60	137.0	216.9	38.71
#1	.2762	.5535	1.916	5.086	30.47	59.76
#2	.0426	.1552	.4005	.7434	-6.462	82.79
#3	.0268	.2287	.4951	.1049	2.610	128.5

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.439</b>	<b>.8332</b>	<b>80.73</b>	<b>.1192</b>	<b>-.2495</b>	<b>-.2027</b>
Stddev	21.94	1.138	116.1	.2002	.8673	.8993
%RSD	899.5	136.6	143.8	167.9	347.6	443.7
#1	27.69	2.146	33.69	.2040	-.6586	-.5656
#2	-8.376	.2303	-4.472	-.1094	.7466	.8213
#3	-11.99	.1232	213.0	.2631	-.8365	-.8638

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



Sample Name: icb      Acquired: 4/19/2016 10:37:42      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.8994</b>	<b>-.3105</b>	<b>.6154</b>	<b>.2360</b>	<b>2.617</b>	<b>2.049</b>
Stddev	.8613	.6998	.4701	.2040	.592	.703
%RSD	95.76	225.4	76.39	86.44	22.60	34.30
#1	-1.858	-.1183	1.150	.4312	3.296	2.824
#2	-.6512	.2732	.4298	.2525	2.344	1.868
#3	-.1895	-1.086	.2664	.0243	2.212	1.454

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.2491</b>	<b>3.013</b>	<b>2.236</b>	<b>20.16</b>
Stddev	.2981	4.662	2.119	18.24
%RSD	119.7	154.7	94.78	90.48
#1	.0944	.2648	4.680	9.178
#2	-.4403	.3777	1.112	10.08
#3	-.4014	8.396	.9153	41.21

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	<b>2986.6</b>	<b>37274.</b>	<b>5030.9</b>
Stddev	16.5	186.	73.9
%RSD	.55100	.49800	1.4689
#1	2967.6	37152.	5083.7
#2	2996.6	37488.	4946.4
#3	2995.6	37182.	5062.6

Sample Name: CAL2      Acquired: 4/19/2016 10:18:21      Type: Cal  
Method: sw04052016(v13)      Mode: IR      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>.0082</b>	<b>.0008</b>	<b>.0018</b>	<b>.4746</b>	<b>.0088</b>	<b>.1045</b>
Stddev	.0002	.0001	.0000	.0005	.0004	.0007
%RSD	2.226	12.18	1.420	.1133	4.782	.6901

#1	<b>.0080</b>	<b>.0009</b>	<b>.0018</b>	<b>.4751</b>	<b>.0083</b>	<b>.1039</b>
#2	<b>.0082</b>	<b>.0007</b>	<b>.0018</b>	<b>.4741</b>	<b>.0091</b>	<b>.1044</b>
#3	<b>.0083</b>	<b>.0007</b>	<b>.0018</b>	<b>.4745</b>	<b>.0089</b>	<b>.1053</b>

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>.0112</b>	<b>.0581</b>	<b>.0016</b>	<b>.0125</b>	<b>.0012</b>	<b>.3257</b>
Stddev	.0001	.0001	.0001	.0000	.0000	.0023
%RSD	.9303	.1659	5.908	.1598	3.983	.7190

#1	<b>.0113</b>	<b>.0582</b>	<b>.0016</b>	<b>.0125</b>	<b>.0013</b>	<b>.3283</b>
#2	<b>.0112</b>	<b>.0580</b>	<b>.0016</b>	<b>.0125</b>	<b>.0013</b>	<b>.3236</b>
#3	<b>.0111</b>	<b>.0582</b>	<b>.0018</b>	<b>.0124</b>	<b>.0012</b>	<b>.3254</b>

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	<b>.0825</b>	<b>.0160</b>	<b>1.166</b>	<b>.0326</b>	<b>.0039</b>	<b>.0033</b>
Stddev	.0003	.0001	.007	.0003	.0002	.0001
%RSD	.3985	.3788	.5693	.8565	6.179	4.098

#1	<b>.0823</b>	<b>.0161</b>	<b>1.171</b>	<b>.0326</b>	<b>.0037</b>	<b>.0034</b>
#2	<b>.0824</b>	<b>.0160</b>	<b>1.158</b>	<b>.0329</b>	<b>.0042</b>	<b>.0032</b>
#3	<b>.0829</b>	<b>.0160</b>	<b>1.169</b>	<b>.0323</b>	<b>.0038</b>	<b>.0032</b>

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	<b>.0016</b>	<b>.0014</b>	<b>.0111</b>	<b>.0265</b>	<b>.0250</b>	<b>.0175</b>
Stddev	.0001	.0001	.0001	.0001	.0003	.0001
%RSD	5.076	5.176	.9767	.4800	1.246	.6053

#1	<b>.0016</b>	<b>.0015</b>	<b>.0110</b>	<b>.0264</b>	<b>.0253</b>	<b>.0176</b>
#2	<b>.0016</b>	<b>.0015</b>	<b>.0112</b>	<b>.0265</b>	<b>.0247</b>	<b>.0176</b>
#3	<b>.0017</b>	<b>.0013</b>	<b>.0111</b>	<b>.0267</b>	<b>.0249</b>	<b>.0174</b>

Sample Name: CAL2      Acquired: 4/19/2016 10:18:21      Type: Cal  
Method: sw04052016(v13)      Mode: IR      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S
Avg	<b>.0096</b>	<b>.1667</b>	<b>.0175</b>
Stddev	.0001	.0006	.0000
%RSD	.7365	.3804	.1399

#1	.0097	.1665	.0175
#2	.0097	.1662	.0175
#3	.0096	.1674	.0175

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2963.4</b>	<b>37008.</b>	<b>5053.7</b>
Stddev	6.5	239.	57.0
%RSD	.22012	.64464	1.1284

#1	2967.1	37267.	4988.8
#2	2967.2	36960.	5095.8
#3	2955.9	36797.	5076.4

Sample Name: icsab 4305092      Acquired: 4/19/2016 10:50:07      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>518000.</b>	<b>94.86</b>	<b>105.8</b>	<b>101.9</b>	<b>100.8</b>	<b>513200.</b>
Stddev	483.	2.43	.6	.5	.3	2939.
%RSD	.0933	2.558	.5811	.4549	.3226	.5727

#1	518400.	94.73	105.2	102.4	100.5	516600.
#2	518200.	97.35	106.5	101.9	100.7	511400.
#3	517500.	92.50	105.8	101.5	101.1	511600.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>96.70</b>	<b>95.29</b>	<b>99.79</b>	<b>105.0</b>	<b>203600.</b>	<b>10380.</b>
Stddev	.26	.58	.14	.2	90.	7.
%RSD	.2685	.6047	.1429	.1523	.0444	.0662

#1	96.40	94.96	99.95	105.2	203500.	10380.
#2	96.89	95.96	99.73	104.9	203700.	10380.
#3	96.79	94.95	99.68	105.0	203600.	10370.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>518700.</b>	<b>106.8</b>	<b>10510.</b>	<b>95.83</b>	<b>101.2</b>	<b>102.4</b>
Stddev	2717.	.3	15.	.45	1.4	1.0
%RSD	.5237	.2772	.1469	.4654	1.405	.9341

#1	518400.	106.5	10490.	95.62	101.7	101.7
#2	516200.	107.0	10520.	95.53	99.61	101.9
#3	521600.	106.9	10510.	96.34	102.3	103.5

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

Sample Name: icsab 4305092      Acquired: 4/19/2016 10:50:07      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>96.35</b>	<b>96.53</b>	<b>86.09</b>	<b>94.19</b>	<b>91.79</b>	<b>97.98</b>
Stddev	4.12	.54	.47	.62	1.05	.30
%RSD	4.275	.5623	.5472	.6573	1.139	.3045
#1	92.76	97.04	85.56	93.49	91.95	97.63
#2	100.8	95.96	86.44	94.39	90.68	98.16
#3	95.43	96.57	86.28	94.68	92.75	98.14

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>102.2</b>	<b>100.3</b>	<b>102.8</b>	<b>74.74</b>
Stddev	1.1	.1	.5	14.08
%RSD	1.063	.0910	.4869	18.84
#1	102.7	100.3	102.2	58.50
#2	102.9	100.3	102.9	82.18
#3	101.0	100.4	103.2	83.54

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2670.0</b>	<b>32892.</b>	<b>4820.5</b>
Stddev	8.4	120.	36.7
%RSD	.31497	.36414	.76148
#1	2676.9	32801.	4778.1
#2	2672.4	33028.	4841.4
#3	2660.6	32846.	4842.0

Sample Name: int-10b 4140674      Acquired: 4/19/2016 10:58:20      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-40.13</b>	<b>15.75</b>	<b>.4779</b>	<b>.9559</b>	<b>.6325</b>	<b>-22.59</b>
Stddev	14.11	1.84	.5424	.4094	.0292	1.59
%RSD	35.16	11.68	113.5	42.83	4.619	7.043
#1	-39.71	15.01	-.0533	.7227	.6307	-24.18
#2	-54.44	17.85	1.031	.7164	.6043	-21.00
#3	-26.23	14.40	.4563	1.429	.6626	-22.58

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.5152</b>	<b>1.349</b>	<b>9107.</b>	<b>8775.</b>	<b>-47.78</b>	<b>35.87</b>
Stddev	.0805	2.188	32.	4.	10.66	22.21
%RSD	15.63	162.1	.3481	.0492	22.31	61.92
#1	-.5740	.4794	9114.	8780.	-57.31	28.11
#2	-.5481	-.2697	9073.	8774.	-36.27	18.59
#3	-.4234	3.838	9135.	8772.	-49.76	60.93

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	<b>45.31</b>	<b>9198.</b>	<b>1.918</b>	<b>9781.</b>	<b>-12.62</b>	<b>2.419</b>
Stddev	2.35	14.	6.340	30.	1.76	.670
%RSD	5.178	.1470	330.5	.3048	13.95	27.71
#1	45.18	9207.	-4.317	9772.	-14.51	3.004
#2	43.03	9205.	1.714	9815.	-11.03	2.565
#3	47.72	9183.	8.358	9758.	-12.32	1.687

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

Sample Name: int-10b 4140674      Acquired: 4/19/2016 10:58:20      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.790	6.587	9.655	2.293	-25.59	4596.
Stddev	2.432	2.396	.378	.074	.99	7.
%RSD	35.81	36.37	3.919	3.234	3.868	.1543
#1	-8.014	7.694	9.804	2.243	-26.72	4601.
#2	-8.366	3.838	9.935	2.378	-25.11	4599.
#3	-3.990	8.229	9.224	2.258	-24.92	4588.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.181	.3821	8961.	-17.22
Stddev	1.802	.1394	6.	3.91
%RSD	152.5	36.48	.0664	22.69
#1	-.2120	.5353	8960.	-21.30
#2	.5397	.2627	8967.	-13.50
#3	3.216	.3484	8955.	-16.87

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2918.9	37056.	5011.3
Stddev	3.7	159.	26.9
%RSD	.12527	.42901	.53720
#1	2922.8	37160.	5038.0
#2	2915.6	37136.	4984.2
#3	2918.2	36873.	5011.7

Sample Name: CAL3      Acquired: 4/19/2016 10:22:23      Type: Cal  
Method: sw04052016(v13)      Mode: IR      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>.9157</b>	<b>.0374</b>	<b>.0532</b>	<b>4.677</b>	<b>.8933</b>	<b>.5277</b>
Stddev	.0007	.0001	.0001	.010	.0017	.0025
%RSD	.0780	.1409	.2165	.2211	.1937	.4673

#1	.9150	.0374	.0533	4.687	.8950	.5250
#2	.9159	.0375	.0531	4.679	.8934	.5281
#3	.9164	.0374	.0532	4.666	.8916	.5298

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>.7826</b>	<b>.5833</b>	<b>.1578</b>	<b>.9629</b>	<b>.1398</b>	<b>.6638</b>
Stddev	.0011	.0009	.0004	.0049	.0005	.0049
%RSD	.1442	.1609	.2262	.5061	.3626	.7368

#1	.7839	.5840	.1573	.9670	.1394	.6683
#2	.7819	.5822	.1580	.9642	.1396	.6586
#3	.7820	.5835	.1579	.9575	.1404	.6646

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	<b>.4168</b>	<b>1.039</b>	<b>5.834</b>	<b>.3969</b>	<b>.3460</b>	<b>.0316</b>
Stddev	.0008	.002	.007	.0010	.0004	.0002
%RSD	.1881	.2049	.1294	.2519	.1300	.4884

#1	.4159	1.037	5.830	.3980	.3464	.0315
#2	.4169	1.040	5.830	.3960	.3461	.0316
#3	.4175	1.042	5.843	.3967	.3455	.0318

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	<b>.0331</b>	<b>.0611</b>	<b>.1115</b>	<b>.4430</b>	<b>.0996</b>	<b>.4440</b>
Stddev	.0003	.0005	.0002	.0016	.0003	.0011
%RSD	.7570	.7884	.1403	.3639	.2802	.2416

#1	.0332	.0613	.1115	.4413	.1000	.4445
#2	.0328	.0605	.1117	.4432	.0995	.4428
#3	.0333	.0614	.1113	.4445	.0994	.4447



Sample Name: CAL3      Acquired: 4/19/2016 10:22:23      Type: Cal  
Method: sw04052016(v13)      Mode: IR      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>.0375</b>	<b>8.269</b>	<b>1.706</b>	<b>.0688</b>
Stddev	.0001	.027	.002	.0010
%RSD	.2017	.3279	.1175	1.383

#1	.0376	8.300	1.708	.0697
#2	.0374	8.252	1.704	.0679
#3	.0375	8.254	1.706	.0690

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2903.3</b>	<b>35956.</b>	<b>4964.2</b>
Stddev	2.8	202.	27.2
%RSD	.09680	.56264	.54780

#1	2902.4	36155.	4995.5
#2	2901.1	35961.	4946.0
#3	2906.5	35751.	4951.2

Sample Name: CAL4      Acquired: 4/19/2016 10:26:09      Type: Cal  
Method: sw04052016(v13)      Mode: IR      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>4.479</b>	<b>.1892</b>	<b>.2649</b>	<b>22.28</b>	<b>4.288</b>	<b>2.571</b>
Stddev	.011	.0006	.0001	.06	.021	.015
%RSD	.2433	.3253	.0199	.2695	.4972	.5674

#1	4.473	.1885	.2650	22.28	4.299	2.586
#2	4.491	.1894	.2649	22.34	4.302	2.569
#3	4.472	.1897	.2649	22.22	4.264	2.557

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>3.693</b>	<b>2.738</b>	<b>.7460</b>	<b>4.779</b>	<b>.6573</b>	<b>3.303</b>
Stddev	.015	.009	.0038	.018	.0044	.008
%RSD	.4101	.3347	.5148	.3858	.6645	.2371

#1	3.701	2.739	.7501	4.760	.6620	3.298
#2	3.703	2.746	.7455	4.780	.6564	3.312
#3	3.676	2.728	.7424	4.797	.6534	3.300

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	<b>2.072</b>	<b>4.935</b>	<b>28.89</b>	<b>1.857</b>	<b>1.618</b>	<b>.1549</b>
Stddev	.006	.020	.06	.007	.006	.0009
%RSD	.2755	.4057	.2143	.3670	.3629	.6084

#1	2.077	4.957	28.83	1.859	1.620	.1546
#2	2.073	4.931	28.95	1.863	1.623	.1560
#3	2.066	4.918	28.90	1.850	1.612	.1541

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	<b>.1638</b>	<b>.2858</b>	<b>.5358</b>	<b>2.086</b>	<b>.4821</b>	<b>2.134</b>
Stddev	.0008	.0005	.0019	.014	.0029	.005
%RSD	.4880	.1664	.3609	.6869	.5983	.2324

#1	.1629	.2853	.5375	2.098	.4800	2.132
#2	.1644	.2861	.5363	2.091	.4854	2.139
#3	.1641	.2861	.5337	2.070	.4809	2.129

Sample Name: CAL4      Acquired: 4/19/2016 10:26:09      Type: Cal  
Method: sw04052016(v13)      Mode: IR      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>.1772</b>	<b>40.58</b>	<b>8.240</b>	<b>.3422</b>
Stddev	.0006	.05	.021	.0025
%RSD	.3277	.1282	.2494	.7374

#1	.1774	40.58	8.264	.3410
#2	.1776	40.64	8.231	.3405
#3	.1765	40.53	8.226	.3451

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2802.5</b>	<b>35081.</b>	<b>4956.3</b>
Stddev	10.8	183.	61.4
%RSD	.38593	.52040	1.2385

#1	2801.9	34892.	4949.5
#2	2792.0	35097.	4898.6
#3	2813.7	35256.	5020.8

Sample Name: CAL5      Acquired: 4/19/2016 10:29:48      Type: Cal  
Method: sw04052016(v13)      Mode: IR      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>8.929</b>	<b>.3834</b>	<b>.5392</b>	<b>43.62</b>	<b>8.388</b>	<b>5.123</b>
Stddev	.014	.0006	.0023	.10	.014	.049
%RSD	.1601	.1568	.4174	.2259	.1615	.9519

#1	8.946	.3832	.5416	43.63	8.402	5.166
#2	8.921	.3841	.5372	43.71	8.375	5.132
#3	8.921	.3829	.5388	43.52	8.387	5.070

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>7.248</b>	<b>5.377</b>	<b>1.464</b>	<b>9.584</b>	<b>1.286</b>	<b>6.697</b>
Stddev	.029	.011	.013	.023	.009	.004
%RSD	.3926	.2081	.8814	.2437	.7402	.0677

#1	7.261	5.381	1.478	9.592	1.292	6.700
#2	7.268	5.384	1.463	9.602	1.292	6.699
#3	7.215	5.364	1.452	9.557	1.275	6.692

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	<b>4.151</b>	<b>9.601</b>	<b>57.17</b>	<b>3.621</b>	<b>3.158</b>	<b>.3137</b>
Stddev	.033	.067	.47	.012	.011	.0009
%RSD	.7927	.6941	.8199	.3191	.3550	.2721

#1	4.188	9.664	57.67	3.625	3.160	.3127
#2	4.140	9.609	57.08	3.629	3.167	.3143
#3	4.125	9.531	56.75	3.607	3.145	.3140

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	<b>.3303</b>	<b>.5520</b>	<b>1.061</b>	<b>4.088</b>	<b>.9588</b>	<b>4.226</b>
Stddev	.0003	.0042	.004	.031	.0036	.005
%RSD	.0940	.7537	.3383	.7541	.3717	.1174

#1	.3305	.5560	1.065	4.108	.9552	4.225
#2	.3300	.5523	1.062	4.104	.9624	4.231
#3	.3305	.5477	1.058	4.052	.9588	4.221

Sample Name: CAL5      Acquired: 4/19/2016 10:29:48      Type: Cal  
Method: sw04052016(v13)      Mode: IR      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>.3475</b>	<b>79.48</b>	<b>16.13</b>	<b>.7059</b>
Stddev	.0019	1.56	.14	.0062
%RSD	.5357	1.965	.8920	.8825

#1	.3482	80.83	16.29	.7074
#2	.3489	77.77	16.06	.7113
#3	.3454	79.85	16.04	.6991

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2654.6</b>	<b>33613.</b>	<b>4860.1</b>
Stddev	26.7	518.	15.4
%RSD	1.0051	1.5425	.31788

#1	2642.7	33145.	4842.6
#2	2636.0	33523.	4865.5
#3	2685.2	34170.	4872.0

Sample Name: icv 4237635      Acquired: 4/19/2016 10:33:59      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124000.	2458.	1240.	10080.	1001.	124700.
Stddev	373.	5.	1.	31.	2.	26.
%RSD	.3006	.2104	.1139	.3034	.1802	.0212

#1	123800.	2461.	1238.	10060.	1001.	124700.
#2	124400.	2462.	1240.	10110.	1003.	124700.
#3	123800.	2452.	1240.	10050.	999.4	124800.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1252.	2515.	5004.	12500.	100500.	49730.
Stddev	2.	4.	3.	35.	213.	49.
%RSD	.1969	.1433	.0522	.2810	.2114	.0992

#1	1251.	2512.	5005.	12490.	100800.	49670.
#2	1255.	2519.	5001.	12540.	100400.	49760.
#3	1250.	2514.	5006.	12480.	100400.	49750.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124400.	5060.	125300.	2517.	7541.	990.7
Stddev	84.	3.	298.	6.	25.	2.9
%RSD	.0677	.0596	.2377	.2254	.3271	.2978

#1	124300.	5058.	125000.	2512.	7528.	989.2
#2	124500.	5064.	125600.	2523.	7569.	994.1
#3	124500.	5058.	125300.	2515.	7526.	988.9

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

Sample Name: icv 4237635      Acquired: 4/19/2016 10:33:59      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2474.</b>	<b>2552.</b>	<b>2507.</b>	<b>2518.</b>	<b>1003.</b>	<b>2505.</b>
Stddev	11.	9.	4.	7.	2.	4.
%RSD	.4624	.3709	.1788	.2707	.1880	.1676

#1	2482.	2541.	2508.	2510.	1002.	2504.
#2	2480.	2559.	2511.	2523.	1005.	2510.
#3	2461.	2555.	2502.	2521.	1003.	2502.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1002.</b>	<b>5042.</b>	<b>10080.</b>	<b>9893.</b>
Stddev	5.	7.	56.	3.
%RSD	.4621	.1407	.5560	.0290

#1	1002.	5039.	10110.	9889.
#2	1006.	5050.	10110.	9893.
#3	996.9	5037.	10010.	9895.

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	<b>2793.6</b>	<b>35112.</b>	<b>4981.0</b>
Stddev	14.6	76.	24.1
%RSD	.52376	.21681	.48308

#1	2810.5	35135.	5007.9
#2	2784.6	35175.	4973.7
#3	2785.8	35028.	4961.4

Sample Name: LCSSRM 460-362854/2-      Acquired: 4/19/2016 11:38:35      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37390.	725.4	157.2	1146.	530.2	30290.
Stddev	89.	1.3	1.2	1.	1.1	50.
%RSD	.2389	.1742	.7491	.1143	.2078	.1664
#1	37490.	726.6	158.5	1145.	531.5	30230.
#2	37360.	725.4	156.5	1147.	529.5	30310.
#3	37320.	724.1	156.4	1147.	529.7	30320.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	506.0	F 914.4	809.5	952.7	70670.	11560.
Stddev	1.2	2.1	1.8	5.0	240.	26.
%RSD	.2324	.2328	.2270	.5216	.3401	.2217
#1	504.7	912.0	809.2	958.3	70560.	11580.
#2	506.2	916.2	811.4	951.2	70500.	11530.
#3	507.0	915.0	807.8	948.7	70940.	11560.

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		890.0				
Low Limit		645.0				

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12590.	1628.	4585.	F 792.3	810.2	359.2
Stddev	4.	1.	12.	1.6	1.8	.7
%RSD	.0327	.0636	.2680	.2007	.2168	.1987
#1	12600.	1627.	4573.	793.0	809.9	358.4
#2	12590.	1628.	4598.	790.5	808.7	359.2
#3	12600.	1629.	4584.	793.4	812.2	359.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				755.0		
Low Limit				535.0		



Sample Name: LCSSRM 460-362854/2-      Acquired: 4/19/2016 11:38:35      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	916.7	843.1	F 597.3	1067.	683.7	644.5
Stddev	5.9	3.4	1.2	4.	1.4	.8
%RSD	.6429	.4013	.2045	.3580	.2049	.1268
#1	919.6	844.7	598.2	1063.	685.3	645.3
#2	909.9	839.2	595.9	1067.	682.7	643.6
#3	920.5	845.3	597.8	1071.	683.2	644.5
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			595.0			
Low Limit			373.0			

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	783.7	567.7	1486.	1177.
Stddev	1.3	.6	1.	7.
%RSD	.1638	.1017	.0935	.6210
#1	783.8	568.1	1486.	1171.
#2	782.3	567.9	1484.	1176.
#3	784.9	567.1	1487.	1186.
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	3069.6	38357.	5228.3
Stddev	9.6	137.	20.5
%RSD	.31179	.35732	.39245
#1	3060.6	38240.	5204.7
#2	3079.6	38322.	5242.0
#3	3068.5	38508.	5238.1

Sample Name: icvl 4079378      Acquired: 4/19/2016 10:41:46      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>215.0</b>	<b>12.95</b>	<b>9.812</b>	<b>207.6</b>	<b>2.018</b>	<b>5021.</b>
Stddev	14.7	1.38	1.057	.1	.084	67.
%RSD	6.829	10.64	10.77	.0501	4.176	1.331

#1	214.6	12.02	8.989	207.7	2.045	4979.
#2	200.5	14.54	11.00	207.5	2.085	5098.
#3	229.9	12.30	9.444	207.6	1.923	4986.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.198</b>	<b>52.86</b>	<b>12.09</b>	<b>28.50</b>	<b>194.0</b>	<b>4850.</b>
Stddev	.043	.38	2.66	6.59	56.4	11.
%RSD	1.031	.7113	22.00	23.12	29.09	.2229

#1	4.220	52.84	10.38	24.86	157.6	4863.
#2	4.225	52.50	15.16	36.11	259.0	4844.
#3	4.148	53.25	10.75	24.54	165.4	4844.

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	<b>4832.</b>	<b>17.36</b>	<b>4927.</b>	<b>42.47</b>	<b>10.48</b>	<b>19.88</b>
Stddev	66.	2.88	14.	.30	1.62	1.24
%RSD	1.362	16.58	.2894	.6952	15.46	6.248

#1	4804.	15.72	4923.	42.46	8.876	18.58
#2	4908.	20.68	4943.	42.77	12.12	20.00
#3	4785.	15.68	4915.	42.18	10.45	21.05

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

Sample Name: icvl 4079378      Acquired: 4/19/2016 10:41:46      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.31	22.67	51.07	31.18	50.46	20.49
Stddev	1.79	1.54	1.16	.15	.29	.19
%RSD	8.833	6.811	2.263	.4876	.5671	.9096
#1	22.26	22.02	50.06	31.16	50.77	20.68
#2	19.92	21.56	52.33	31.34	50.39	20.30
#3	18.73	24.44	50.82	31.04	50.21	20.50

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	49.81	20.51	23.88	F 8.499
Stddev	1.02	.06	5.50	10.00
%RSD	2.050	.2942	23.01	117.7
#1	49.22	20.53	20.88	2.163
#2	49.22	20.44	30.23	3.306
#3	50.98	20.55	20.54	20.03

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2981.6	37161.	5043.3
Stddev	4.1	64.	28.7
%RSD	.13741	.17179	.56991
#1	2977.5	37088.	5075.8
#2	2981.5	37207.	5032.6
#3	2985.7	37187.	5021.4

Sample Name: sd 460-112203-D-1-A      Acquired: 4/19/2016 11:50:12      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>8577.</b>	<b>14.80</b>	<b>.5432</b>	<b>304.2</b>	<b>.5826</b>	<b>2964.</b>
Stddev	36.	1.13	.2569	1.1	.1007	23.
%RSD	.4207	7.649	47.29	.3650	17.29	.7607
#1	8535.	14.19	.2483	303.3	.5187	2967.
#2	8592.	14.10	.6633	303.8	.6987	2940.
#3	8603.	16.10	.7180	305.4	.5304	2984.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.605</b>	<b>7.872</b>	<b>21.29</b>	<b>62.79</b>	<b>21050.</b>	<b>734.9</b>
Stddev	.109	.090	.31	.24	91.	19.7
%RSD	6.782	1.142	1.459	.3892	.4306	2.680
#1	1.644	7.824	21.64	62.84	21050.	757.6
#2	1.689	7.816	21.03	62.52	20960.	723.5
#3	1.482	7.976	21.21	63.00	21140.	723.5

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1230.</b>	<b>236.3</b>	<b>60.00</b>	<b>13.82</b>	<b>493.1</b>	<b>-.3716</b>
Stddev	3.	.6	3.68	.68	.4	.6213
%RSD	.2246	.2678	6.134	4.946	.0726	167.2
#1	1230.	235.7	63.57	13.84	492.8	.2943
#2	1233.	236.1	56.22	14.49	493.5	-.4737
#3	1227.	237.0	60.22	13.12	492.9	-.9356

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

Sample Name: sd 460-112203-D-1-A      Acquired: 4/19/2016 11:50:12      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0788</b>	<b>-.7308</b>	<b>27.10</b>	<b>925.4</b>	<b>1.761</b>	<b>2.704</b>
Stddev	1.095	1.758	.38	3.3	.283	.163
%RSD	1389.	240.6	1.411	.3610	16.09	6.041
#1	<b>-.9037</b>	<b>-2.761</b>	<b>27.53</b>	<b>922.3</b>	<b>1.468</b>	<b>2.818</b>
#2	<b>1.260</b>	<b>.2548</b>	<b>26.96</b>	<b>924.8</b>	<b>2.034</b>	<b>2.517</b>
#3	<b>-.1199</b>	<b>.3137</b>	<b>26.81</b>	<b>929.0</b>	<b>1.779</b>	<b>2.776</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>12.09</b>	<b>35.86</b>	<b>231.5</b>	<b>239.7</b>
Stddev	.46	.06	1.1	10.7
%RSD	3.798	.1696	.4570	4.465
#1	<b>12.61</b>	<b>35.89</b>	<b>230.3</b>	<b>251.9</b>
#2	<b>11.96</b>	<b>35.79</b>	<b>231.8</b>	<b>235.3</b>
#3	<b>11.72</b>	<b>35.90</b>	<b>232.4</b>	<b>231.8</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3036.9</b>	<b>37929.</b>	<b>5103.0</b>
Stddev	4.6	218.	21.0
%RSD	.15026	.57526	.41196
#1	<b>3038.0</b>	<b>37832.</b>	<b>5105.1</b>
#2	<b>3031.9</b>	<b>37776.</b>	<b>5081.0</b>
#3	<b>3040.8</b>	<b>38179.</b>	<b>5122.9</b>

Sample Name: icsa 4305090      Acquired: 4/19/2016 10:45:50      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>484400.</b>	<b>-.3976</b>	<b>-.4981</b>	<b>-.6767</b>	<b>.0456</b>	<b>485700.</b>
Stddev	1932.	.3925	.3507	.0390	.0456	3006.
%RSD	.3988	98.72	70.40	5.762	99.79	.6189

#1	486600.	-.1936	-.5921	-.6804	-.0055	489000.
#2	482900.	-.1491	-.7923	-.6360	.0606	483200.
#3	483800.	-.8501	-.1101	-.7137	.0818	484800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0762</b>	<b>-3.244</b>	<b>-.8870</b>	<b>-2.334</b>	<b>189900.</b>	<b>-11.11</b>
Stddev	.1510	.090	1.337	4.260	338.	21.43
%RSD	198.2	2.792	150.7	182.5	.1780	192.9

#1	-.2441	-3.200	-1.483	-4.714	190300.	-35.78
#2	-.0332	-3.348	-1.822	-4.872	189600.	2.927
#3	.0487	-3.183	.6440	2.583	189700.	-.4789

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>486500.</b>	<b>3.972</b>	<b>-39.38</b>	<b>-1.481</b>	<b>4.466</b>	<b>2.847</b>
Stddev	4310.	1.440	6.72	.170	1.795	2.502
%RSD	.8860	36.26	17.08	11.48	40.19	87.90

#1	491500.	3.126	-31.95	-1.510	5.775	1.342
#2	483700.	3.155	-41.16	-1.634	2.420	5.735
#3	484300.	5.635	-45.04	-1.298	5.205	1.462

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

Sample Name: icsa 4305090      Acquired: 4/19/2016 10:45:50      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.8773</b>	<b>2.004</b>	<b>-15.21</b>	<b>-2.387</b>	<b>-8.053</b>	<b>-.8584</b>
Stddev	2.451	4.530	1.03	.456	.938	.3208
%RSD	279.4	226.0	6.786	19.10	11.65	37.37
#1	-1.820	1.560	-15.20	-1.864	-6.973	-.8271
#2	2.967	6.739	-16.25	-2.597	-8.513	-.5545
#3	1.485	-2.287	-14.19	-2.700	-8.673	-1.194

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>3.422</b>	<b>-1.561</b>	<b>-.1429</b>	<b>24.00</b>
Stddev	.515	.124	3.087	10.24
%RSD	15.05	7.961	2160.	42.66
#1	3.931	-1.703	-2.058	30.06
#2	2.901	-1.471	-1.789	12.18
#3	3.433	-1.509	3.418	29.75

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2709.1</b>	<b>33423.</b>	<b>4951.5</b>
Stddev	6.3	295.	77.0
%RSD	.23410	.88271	1.5561
#1	2716.4	33095.	4869.9
#2	2706.3	33667.	5023.0
#3	2704.6	33508.	4961.4

Sample Name: 460-112200-A-13-A@4      Acquired: 4/19/2016 12:05:41      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>41960.</b>	<b>30.60</b>	<b>.7982</b>	<b>222.9</b>	<b>7.804</b>	<b>4774.</b>
Stddev	105.	.89	.4725	.3	.081	31.
%RSD	.2496	2.898	59.20	.1395	1.039	.6593
#1	42060.	31.07	.4102	223.2	7.769	4782.
#2	41860.	29.58	.6599	222.6	7.896	4801.
#3	41970.	31.16	1.324	223.0	7.745	4740.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.2834</b>	<b>70.24</b>	<b>76.79</b>	<b>188.1</b>	<b>76160.</b>	<b>2240.</b>
Stddev	.0990	.51	.28	.3	412.	24.
%RSD	34.92	.7228	.3631	.1774	.5403	1.050
#1	-.1697	70.55	76.94	188.4	76380.	2259.
#2	-.3504	69.65	76.97	187.8	76410.	2214.
#3	-.3300	70.51	76.47	187.9	75680.	2249.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>22500.</b>	<b>3104.</b>	<b>6800.</b>	<b>43.51</b>	<b>45.66</b>	<b>.1581</b>
Stddev	145.	17.	12.	.86	1.72	1.030
%RSD	.6424	.5576	.1799	1.982	3.755	651.1
#1	22510.	3106.	6814.	43.95	46.96	.2807
#2	22650.	3121.	6790.	42.52	46.30	1.121
#3	22360.	3086.	6797.	44.07	43.72	-.9273

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



Sample Name: 460-112200-A-13-A@4      Acquired: 4/19/2016 12:05:41      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.243</b>	<b>-2.051</b>	<b>149.9</b>	<b>273.0</b>	<b>5.261</b>	<b>14.11</b>
Stddev	3.288	1.670	.4	1.4	.503	.10
%RSD	77.49	814.5	.2764	.5194	9.571	.6840
#1	5.803	-2.011	150.0	274.5	5.002	14.04
#2	6.461	.1106	150.3	272.7	5.841	14.07
#3	.4654	1.285	149.5	271.7	4.940	14.22

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>7.521</b>	<b>65.04</b>	<b>452.5</b>	<b>816.8</b>
Stddev	1.146	.16	.7	14.5
%RSD	15.23	.2527	.1560	1.772
#1	6.859	64.85	451.7	829.3
#2	8.844	65.15	453.0	820.1
#3	6.860	65.11	452.7	800.9

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3185.1</b>	<b>39787.</b>	<b>5283.2</b>
Stddev	44.8	801.	11.6
%RSD	1.4080	2.0137	.21971
#1	3142.6	39368.	5271.9
#2	3180.8	39283.	5282.7
#3	3232.0	40711.	5295.1

Sample Name: 460-112203-D-2-A@4      Acquired: 4/19/2016 12:13:35      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>58920.</b>	<b>18.78</b>	<b>.5401</b>	<b>326.4</b>	<b>2.893</b>	<b>5840.</b>
Stddev	374.	2.75	.3949	1.0	.106	47.
%RSD	.6339	14.62	73.12	.3067	3.645	.8084
#1	58590.	17.05	.0956	325.3	2.783	5788.
#2	58840.	21.95	.8506	326.8	2.902	5853.
#3	59320.	17.35	.6741	327.2	2.993	5880.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.712</b>	<b>26.71</b>	<b>98.00</b>	<b>70.96</b>	<b>78300.</b>	<b>3525.</b>
Stddev	.144	.12	.49	.08	350.	20.
%RSD	5.329	.4568	.4977	.1160	.4475	.5682
#1	2.877	26.58	97.58	70.96	78030.	3546.
#2	2.650	26.82	97.88	71.05	78170.	3523.
#3	2.608	26.72	98.53	70.88	78700.	3507.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>8145.</b>	<b>809.9</b>	<b>142.8</b>	<b>60.36</b>	<b>209.7</b>	<b>4.559</b>
Stddev	52.	3.9	2.8	.38	4.0	.939
%RSD	.6330	.4832	1.984	.6246	1.905	20.59
#1	8087.	806.1	141.5	59.94	205.3	5.489
#2	8166.	809.6	146.0	60.66	210.7	3.612
#3	8183.	813.9	140.8	60.48	213.0	4.575

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

Sample Name: 460-112203-D-2-A@4      Acquired: 4/19/2016 12:13:35      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.193</b>	<b>-2.234</b>	<b>134.1</b>	<b>2365.</b>	<b>4.432</b>	<b>3.334</b>
Stddev	1.846	.390	.5	15.	.366	.191
%RSD	84.19	17.45	.3524	.6194	8.270	5.719
#1	3.131	-2.423	133.6	2351.	4.659	3.544
#2	3.382	-1.786	134.5	2363.	4.009	3.173
#3	.0662	-2.493	134.3	2380.	4.627	3.284

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>11.85</b>	<b>45.47</b>	<b>1892.</b>	<b>968.7</b>
Stddev	.61	.26	8.	9.2
%RSD	5.130	.5772	.4256	.9526
#1	12.31	45.17	1885.	965.2
#2	11.16	45.67	1890.	961.7
#3	12.08	45.55	1901.	979.2

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	<b>3091.8</b>	<b>38861.</b>	<b>5254.1</b>
Stddev	4.8	85.	66.2
%RSD	.15628	.21836	1.2606
#1	3086.2	38813.	5277.1
#2	3095.2	38959.	5305.8
#3	3093.9	38811.	5179.4

Sample Name: CCB      Acquired: 4/19/2016 12:21:18      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-7.363</b>	<b>1.026</b>	<b>.5125</b>	<b>.4132</b>	<b>.0943</b>	<b>-2.271</b>
Stddev	6.031	1.033	.1832	.1393	.0801	2.770
%RSD	81.91	100.7	35.74	33.71	84.96	122.0
#1	-11.78	.0904	.6432	.4604	.1852	-3.358
#2	-9.814	.8532	.5910	.5228	.0638	.8773
#3	-4.923	2.134	.3031	.2565	.0339	-4.334

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0506</b>	<b>.0495</b>	<b>.5293</b>	<b>.6583</b>	<b>-3.951</b>	<b>38.17</b>
Stddev	.0878	.2149	.3602	.5993	17.46	24.88
%RSD	173.6	434.6	68.05	91.04	441.9	65.17
#1	.0784	-.0719	.8581	1.318	15.94	32.23
#2	.1211	.2976	.5856	.5107	-11.09	16.81
#3	-.0478	-.0774	.1443	.1465	-16.71	65.48

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-13.94</b>	<b>.2227</b>	<b>11.40</b>	<b>.2156</b>	<b>-.9811</b>	<b>.1346</b>
Stddev	5.85	.1244	7.29	.3297	.6562	1.242
%RSD	41.94	55.87	63.95	153.0	66.89	922.3
#1	-10.03	.3647	19.60	-.1487	-.3227	.5145
#2	-11.13	.1705	5.665	.4937	-1.635	-1.252
#3	-20.66	.1329	8.931	.3017	-.9855	1.142

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

Sample Name: CCB      Acquired: 4/19/2016 12:21:18      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.1815</b>	<b>-.2141</b>	<b>-.0547</b>	<b>.1371</b>	<b>.5711</b>	<b>1.205</b>
Stddev	.4285	.8852	.1786	.3481	.1319	.592
%RSD	236.1	413.4	326.5	253.9	23.10	49.13
#1	<b>-.5057</b>	<b>-1.182</b>	<b>.1469</b>	<b>.5390</b>	<b>.5811</b>	<b>1.762</b>
#2	<b>-.3430</b>	<b>-.0152</b>	<b>-.1932</b>	<b>-.0667</b>	<b>.6977</b>	<b>1.269</b>
#3	<b>.3043</b>	<b>.5547</b>	<b>-.1178</b>	<b>-.0610</b>	<b>.4344</b>	<b>.5834</b>

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.0895</b>	<b>.3089</b>	<b>.9728</b>	<b>18.71</b>
Stddev	.3261	.0745	.1443	10.35
%RSD	364.4	24.11	14.83	55.31
#1	<b>-.1262</b>	<b>.3737</b>	<b>1.120</b>	<b>11.60</b>
#2	<b>.2534</b>	<b>.2275</b>	<b>.9667</b>	<b>13.94</b>
#3	<b>-.3957</b>	<b>.3256</b>	<b>.8316</b>	<b>30.58</b>

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	<b>2969.9</b>	<b>37233.</b>	<b>4956.6</b>
Stddev	3.3	135.	39.1
%RSD	.10991	.36132	.78983
#1	<b>2967.1</b>	<b>37386.</b>	<b>5001.8</b>
#2	<b>2973.4</b>	<b>37185.</b>	<b>4933.4</b>
#3	<b>2969.1</b>	<b>37130.</b>	<b>4934.5</b>

Sample Name: int-10a 4140672      Acquired: 4/19/2016 10:54:11      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-17.08	-9283	1.158	8.155	4.785	2.730
Stddev	10.76	1.449	.244	.211	.014	10.67
%RSD	63.02	156.1	21.07	2.586	.2867	390.9
#1	-13.05	-3289	.8990	8.318	4.801	14.49
#2	-8.905	-2.581	1.383	7.917	4.780	.0487
#3	-29.27	.1250	1.191	8.230	4.775	-6.346

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.458	10250.	.3091	-1.124	-158.7	45.22
Stddev	.123	5.	.4664	.378	7.1	27.49
%RSD	8.420	.0507	150.9	33.63	4.465	60.78
#1	-1.590	10250.	.3614	-.6879	-150.6	58.11
#2	-1.437	10240.	.7471	-1.358	-163.2	63.90
#3	-1.347	10250.	-.1813	-1.326	-162.4	13.66

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.639	-.2437	5.994	2.651	-4.375	-28.64
Stddev	7.518	.0356	9.792	.480	.703	1.07
%RSD	458.6	14.61	163.4	18.11	16.08	3.730
#1	8.501	-.2142	2.332	3.181	-4.688	-29.70
#2	2.814	-.2832	17.09	2.525	-4.868	-27.56
#3	-6.397	-.2337	-1.439	2.246	-3.570	-28.66

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

Sample Name: int-10a 4140672      Acquired: 4/19/2016 10:54:11      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.216	-26.27	F 9607.	.0813	-7.244	-3.270
Stddev	1.442	1.87	14.	.2927	.305	.115
%RSD	34.20	7.118	.1487	360.2	4.206	3.517
#1	2.719	-26.39	9623.	-.2337	-6.893	-3.351
#2	5.595	-24.34	9597.	.3449	-7.436	-3.138
#3	4.335	-28.07	9601.	.1325	-7.403	-3.321

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			6000.			
Low Limit			4000.			

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9825.	9630.	-.7779	8871.
Stddev	11.	24.	.0226	83.
%RSD	.1115	.2481	2.901	.9353
#1	9836.	9605.	-.8001	8775.
#2	9814.	9652.	-.7786	8917.
#3	9825.	9633.	-.7550	8920.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2998.5	37275.	5032.1
Stddev	4.9	319.	23.5
%RSD	.16229	.85669	.46655
#1	3000.7	36908.	5015.3
#2	3001.9	37492.	5059.0
#3	2992.9	37424.	5022.2

Sample Name: 460-112259-E-7-A@2      Acquired: 4/19/2016 11:02:22      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>55.08</b>	<b>.6459</b>	<b>.2460</b>	<b>181.2</b>	<b>.0615</b>	<b>8902.</b>
Stddev	82.17	.8845	.1001	.3	.0166	27.
%RSD	149.2	136.9	40.69	.1405	27.03	.2977
#1	.4316	1.220	.3420	181.5	.0658	8872.
#2	149.6	1.090	.2538	181.2	.0432	8922.
#3	15.23	-.3727	.1423	181.0	.0756	8911.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.5082</b>	<b>18.90</b>	<b>.9958</b>	<b>.1871</b>	<b>19610.</b>	<b>1952.</b>
Stddev	.0265	.24	.2605	.2718	62.	17.
%RSD	5.210	1.277	26.16	145.2	.3151	.8695
#1	-.4777	18.64	1.229	.2114	19540.	1937.
#2	-.5250	19.10	1.045	.4460	19660.	1970.
#3	-.5219	18.98	.7145	-.0960	19620.	1949.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>21200.</b>	<b>2635.</b>	<b>19950.</b>	<b>5.675</b>	<b>.2012</b>	<b>.4185</b>
Stddev	53.	3.	16.	.365	2.224	1.166
%RSD	.2519	.1113	.0804	6.431	1105.	278.6
#1	21190.	2632.	19930.	5.405	1.968	1.271
#2	21150.	2637.	19960.	5.530	-2.296	-.9099
#3	21250.	2637.	19960.	6.090	.9319	.8941

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



Sample Name: 460-112259-E-7-A@2      Acquired: 4/19/2016 11:02:22      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.235</b>	<b>1.877</b>	<b>-1.146</b>	<b>2.447</b>	<b>15.23</b>	<b>3.254</b>
Stddev	.903	.558	.287	.132	.40	1.212
%RSD	73.13	29.74	25.07	5.390	2.598	37.26
#1	.1922	2.369	-1.473	2.382	15.60	4.654
#2	1.767	1.992	-.9345	2.598	15.27	2.546
#3	1.746	1.270	-1.030	2.359	14.81	2.562

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.2349</b>	<b>95.00</b>	<b>.9986</b>	<b>3296.</b>
Stddev	.5256	1.53	.2274	34.
%RSD	223.8	1.613	22.78	1.032
#1	.2095	93.99	1.261	3334.
#2	-.8151	96.77	.8535	3267.
#3	-.0991	94.26	.8816	3287.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2933.0</b>	<b>36553.</b>	<b>4983.8</b>
Stddev	5.9	146.	3.5
%RSD	.20250	.40001	.07088
#1	2927.5	36706.	4987.9
#2	2939.3	36415.	4982.1
#3	2932.3	36539.	4981.5

Sample Name: 460-112274-E-3-A      Acquired: 4/19/2016 11:06:22      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>21.18</b>	<b>-1.095</b>	<b>.2094</b>	<b>78.37</b>	<b>.1451</b>	<b>11550.</b>
Stddev	21.68	1.366	.1031	.14	.0376	23.
%RSD	102.3	124.8	49.22	.1737	25.94	.1995
#1	44.93	-2.188	.1017	78.36	.1049	11530.
#2	16.18	-1.532	.2193	78.24	.1795	11530.
#3	2.449	.4365	.3071	78.51	.1511	11570.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0027</b>	<b>4.481</b>	<b>1.229</b>	<b>4.974</b>	<b>13.38</b>	<b>2292.</b>
Stddev	.2111	.085	.137	.093	6.08	12.
%RSD	7942.	1.891	11.16	1.873	45.44	.5346
#1	-.0497	4.508	1.267	5.005	8.396	2280.
#2	-.1862	4.386	1.344	4.869	20.16	2304.
#3	.2280	4.548	1.077	5.047	11.59	2292.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4319.</b>	<b>18.28</b>	<b>16350.</b>	<b>10.38</b>	<b>-.6657</b>	<b>.4102</b>
Stddev	10.	.08	43.	.32	.0735	.7431
%RSD	.2406	.4506	.2613	3.095	11.04	181.1
#1	4312.	18.20	16300.	10.02	-.6915	.4681
#2	4331.	18.27	16380.	10.51	-.7229	1.123
#3	4314.	18.37	16370.	10.62	-.5828	-.3601

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

Sample Name: 460-112274-E-3-A      Acquired: 4/19/2016 11:06:22      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.080</b>	<b>-1.579</b>	<b>.3825</b>	<b>19.02</b>	<b>11.37</b>	<b>.8662</b>
Stddev	1.263	.417	.1646	.16	.25	.2254
%RSD	116.9	26.44	43.02	.8478	2.166	26.02
#1	.1810	-2.035	.4448	18.91	11.43	.6254
#2	-1.077	-1.487	.1959	18.95	11.58	1.072
#3	-2.345	-1.215	.5068	19.21	11.10	.9009

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.0640</b>	<b>114.2</b>	<b>.8518</b>	<b>5318.</b>
Stddev	.9364	.1	.1654	62.
%RSD	1464.	.0916	19.42	1.165
#1	-1.125	114.2	.6731	5372.
#2	.2873	114.3	.9996	5333.
#3	.6460	114.1	.8826	5250.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2978.2</b>	<b>37329.</b>	<b>5087.7</b>
Stddev	4.0	115.	65.1
%RSD	.13355	.30909	1.2805
#1	2982.4	37371.	5157.2
#2	2977.6	37418.	5077.8
#3	2974.5	37199.	5028.1

Sample Name: 460-112274-E-4-A      Acquired: 4/19/2016 11:10:25      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>68.23</b>	<b>.7696</b>	<b>-.2168</b>	<b>114.3</b>	<b>.0883</b>	<b>24480.</b>
Stddev	13.56	.5824	.5229	.1	.0527	96.
%RSD	19.88	75.67	241.1	.1077	59.67	.3918
#1	61.92	.9236	.0940	114.3	.0721	24590.
#2	83.80	.1258	.0760	114.1	.1472	24400.
#3	58.98	1.260	-.8205	114.4	.0456	24460.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0462</b>	<b>22.20</b>	<b>1.159</b>	<b>.3401</b>	<b>2089.</b>	<b>5183.</b>
Stddev	.1283	.49	.571	.1833	6.	10.
%RSD	278.0	2.212	49.29	53.89	.3035	.1847
#1	.1865	21.91	1.487	.1398	2094.	5176.
#2	-.0652	21.93	1.491	.4994	2082.	5194.
#3	.0172	22.77	.4993	.3811	2092.	5180.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>12710.</b>	<b>946.0</b>	<b>27560.</b>	<b>5.160</b>	<b>-.8595</b>	<b>-.2182</b>
Stddev	16.	2.0	52.	.707	.9959	.6949
%RSD	.1289	.2142	.1899	13.70	115.9	318.5
#1	12730.	948.2	27620.	4.725	.2224	-.9546
#2	12700.	944.3	27560.	4.779	-1.063	.4261
#3	12710.	945.4	27510.	5.976	-1.738	-.1260

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

Sample Name: 460-112274-E-4-A      Acquired: 4/19/2016 11:10:25      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6411	-.2011	.1340	7.445	141.9	.8754
Stddev	1.379	.8176	.3637	.182	.9	.1176
%RSD	215.0	406.5	271.4	2.441	.6357	13.44
#1	-.2005	-1.023	-.2320	7.262	140.9	.7936
#2	2.232	.6122	.4953	7.447	142.7	.8224
#3	-.1083	-.1927	.1386	7.626	142.0	1.010

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3175	255.0	1.081	4287.
Stddev	.8245	.5	.112	20.
%RSD	259.7	.1944	10.32	.4658
#1	-.6087	255.6	.9903	4264.
#2	.9714	254.8	1.047	4298.
#3	.5898	254.7	1.206	4300.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2924.9	36529.	5032.6
Stddev	7.1	215.	36.3
%RSD	.24145	.58872	.72127
#1	2925.1	36369.	5000.7
#2	2931.9	36773.	5072.1
#3	2917.7	36445.	5025.0

Sample Name: 460-112274-E-5-A      Acquired: 4/19/2016 11:14:26      Type: Unk

Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>45.26</b>	<b>-.7536</b>	<b>-.3610</b>	<b>171.5</b>	<b>.2695</b>	<b>16820.</b>
Stddev	7.42	.7376	.2209	.1	.0938	44.
%RSD	16.39	97.88	61.21	.0329	34.78	.2607

#1	51.99	-1.589	-.6099	171.4	.2745	16860.
#2	37.30	-.4811	-.1883	171.5	.1734	16820.
#3	46.50	-.1910	-.2847	171.4	.3607	16770.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1345</b>	<b>2.154</b>	<b>4.226</b>	<b>6.365</b>	<b>62.50</b>	<b>2118.</b>
Stddev	.0943	.237	.220	.246	5.68	21.
%RSD	70.13	11.02	5.210	3.868	9.085	.9971

#1	.1326	1.900	4.245	6.185	63.72	2094.
#2	.0411	2.370	4.436	6.266	67.47	2132.
#3	.2298	2.192	3.997	6.646	56.31	2129.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>10000.</b>	<b>48.50</b>	<b>37980.</b>	<b>13.75</b>	<b>-.2659</b>	<b>.6164</b>
Stddev	58.3	.14	107.	.60	.5328	.9694
%RSD	.5830	.2804	.2814	4.370	200.4	157.3

#1	10050.	48.65	37940.	13.73	-.5178	-.0799
#2	10010.	48.48	38100.	14.37	.3462	.2056
#3	9939.	48.38	37890.	13.17	-.6261	1.724

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

Sample Name: 460-112274-E-5-A      Acquired: 4/19/2016 11:14:26      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.6949</b>	<b>-1.002</b>	<b>.3948</b>	<b>17.68</b>	<b>14.33</b>	<b>1.330</b>
Stddev	2.252	1.403	.3481	.26	.30	.272
%RSD	324.1	140.0	88.18	1.459	2.079	20.46
#1	1.327	.2953	.3413	17.76	14.53	1.210
#2	2.564	-2.491	.7665	17.40	14.47	1.641
#3	-1.806	-.8102	.0765	17.90	13.99	1.139

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.3961</b>	<b>214.3</b>	<b>.7397</b>	<b>6086.</b>
Stddev	.4681	1.0	.1238	49.
%RSD	118.2	.4728	16.74	.8019
#1	-.4211	213.5	.6011	6041.
#2	.0840	215.4	.7785	6078.
#3	-.8511	213.9	.8394	6138.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2929.1</b>	<b>36926.</b>	<b>5082.8</b>
Stddev	7.3	186.	12.1
%RSD	.25049	.50416	.23775
#1	2923.9	36713.	5072.4
#2	2925.9	37061.	5079.9
#3	2937.5	37003.	5096.1

Sample Name: 460-112274-E-6-A@2      Acquired: 4/19/2016 11:18:27      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>26.13</b>	<b>3.162</b>	<b>.5536</b>	<b>207.4</b>	<b>-.0027</b>	<b>9893.</b>
Stddev	20.81	1.517	.5425	.5	.1104	27.
%RSD	79.66	47.96	98.00	.2490	4115.	.2751
#1	17.57	4.903	.1845	207.1	.1065	9871.
#2	10.95	2.457	.2998	207.0	-.1143	9923.
#3	49.85	2.126	1.176	207.9	-.0003	9883.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.1716</b>	<b>14.39</b>	<b>1.037</b>	<b>.2881</b>	<b>10530.</b>	<b>1482.</b>
Stddev	.0793	.25	.701	.3191	73.	36.
%RSD	46.21	1.712	67.65	110.8	.6971	2.440
#1	-.0999	14.40	.4193	.4819	10510.	1524.
#2	-.2568	14.63	1.799	-.0802	10470.	1466.
#3	-.1581	14.14	.8914	.4627	10610.	1457.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2856.</b>	<b>1562.</b>	<b>10240.</b>	<b>2.960</b>	<b>-.1907</b>	<b>.7508</b>
Stddev	14.	3.	27.	.124	1.493	1.182
%RSD	.4974	.1627	.2650	4.190	783.1	157.5
#1	2849.	1560.	10220.	2.851	-.0831	1.861
#2	2872.	1565.	10220.	3.095	1.246	.8842
#3	2846.	1562.	10270.	2.936	-1.735	-.4925

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



Sample Name: 460-112274-E-6-A@2      Acquired: 4/19/2016 11:18:27      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.558</b>	<b>.1494</b>	<b>-.7187</b>	<b>4.809</b>	<b>5.936</b>	<b>.5099</b>
Stddev	1.000	.9494	.2990	.131	.441	.1575
%RSD	39.08	635.7	41.60	2.720	7.426	30.89
#1	1.529	-.7469	-.9004	4.926	5.449	.4381
#2	3.526	.0507	-.8820	4.832	6.307	.6904
#3	2.618	1.144	-.3736	4.668	6.052	.4010

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.3083</b>	<b>122.5</b>	<b>.5596</b>	<b>2544.</b>
Stddev	.4726	.7	.0519	20.
%RSD	153.3	.5852	9.282	.7763
#1	.1631	122.2	.5047	2544.
#2	.8365	121.9	.5662	2524.
#3	-.0746	123.3	.6080	2564.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2978.9</b>	<b>37145.</b>	<b>5059.9</b>
Stddev	10.9	160.	29.2
%RSD	.36756	.43156	.57755
#1	2981.6	37239.	5070.4
#2	2966.9	36959.	5026.8
#3	2988.3	37235.	5082.4

Sample Name: MB 460-362854/1-A@2      Acquired: 4/19/2016 11:22:29      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-14.87</b>	<b>-.1639</b>	<b>.0527</b>	<b>-.0712</b>	<b>.0736</b>	<b>-7.527</b>
Stddev	6.60	.7887	.3684	.1124	.0396	4.573
%RSD	44.39	481.1	699.2	157.9	53.81	60.75
#1	-13.40	.5275	.0476	.0091	.0936	-12.79
#2	-9.126	-1.023	-.3132	-.0231	.0991	-4.538
#3	-22.08	.0037	.4237	-.1996	.0280	-5.253

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0050</b>	<b>-.0787</b>	<b>.4001</b>	<b>-.0725</b>	<b>-5.954</b>	<b>40.33</b>
Stddev	.0895	.1305	.0398	.0716	6.137	20.80
%RSD	1800.	165.9	9.958	98.78	103.1	51.58
#1	.0876	.0681	.3567	.0082	-8.882	60.72
#2	-.0115	-.1223	.4351	-.1285	1.099	19.14
#3	-.0911	-.1818	.4084	-.0973	-10.08	41.14

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-15.51</b>	<b>-.0279</b>	<b>2.985</b>	<b>-.3038</b>	<b>-.4348</b>	<b>-.0088</b>
Stddev	4.69	.0583	4.928	.2775	1.479	.9267
%RSD	30.22	208.8	165.1	91.36	340.1	10550.
#1	-18.00	.0078	5.566	-.5058	1.128	.9052
#2	-10.10	.0037	-2.698	.0127	-.6215	.0161
#3	-18.42	-.0952	6.086	-.4182	-1.811	-.9477

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

Sample Name: MB 460-362854/1-A@2      Acquired: 4/19/2016 11:22:29      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.040</b>	<b>-.6273</b>	<b>-.1340</b>	<b>.6542</b>	<b>-.6696</b>	<b>-.0590</b>
Stddev	3.097	2.021	.7134	.1790	.2699	.0715
%RSD	151.8	322.1	532.4	27.35	40.30	121.2
#1	4.581	-2.480	-.2214	.5385	-.6570	-.0086
#2	2.947	1.528	.6191	.8603	-.9456	-.0277
#3	-1.409	-.9300	-.7996	.5638	-.4063	-.1409

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.4240</b>	<b>.0335</b>	<b>-.0638</b>	<b>9.168</b>
Stddev	1.056	.0513	.0480	5.048
%RSD	249.0	153.2	75.21	55.06
#1	-.7049	.0002	-.0084	11.70
#2	.7439	.0077	-.0909	3.356
#3	-1.311	.0926	-.0920	12.45

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	<b>2969.9</b>	<b>36780.</b>	<b>4898.5</b>
Stddev	10.3	199.	13.8
%RSD	.34615	.54227	.28255
#1	2958.7	36989.	4896.2
#2	2978.8	36760.	4913.3
#3	2972.1	36592.	4885.9

Sample Name: CCV      Acquired: 4/19/2016 11:26:36      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123900.	2445.	1219.	9990.	1000.	122300.
Stddev	630.	5.	1.	10.	5.	231.
%RSD	.5084	.2241	.0781	.1003	.5290	.1888

#1	124600.	2447.	1219.	10000.	1007.	122600.
#2	123500.	2449.	1219.	9981.	997.9	122300.
#3	123600.	2439.	1218.	9988.	996.9	122100.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1240.	2497.	4923.	12480.	99400.	49530.
Stddev	1.	2.	13.	26.	326.	155.
%RSD	.0705	.0711	.2685	.2056	.3278	.3118

#1	1241.	2497.	4938.	12500.	99700.	49660.
#2	1240.	2495.	4916.	12490.	99050.	49580.
#3	1240.	2499.	4915.	12450.	99440.	49360.

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	121900.	4984.	125200.	2495.	7460.	988.9
Stddev	166.	8.	611.	4.	8.	1.9
%RSD	.1359	.1602	.4881	.1536	.1096	.1886

#1	122000.	4993.	125800.	2499.	7466.	986.8
#2	121900.	4979.	125000.	2494.	7451.	990.0
#3	121700.	4979.	124600.	2492.	7464.	989.9

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

Sample Name: CCV      Acquired: 4/19/2016 11:26:36      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2450.	2525.	2481.	2490.	996.1	2483.
Stddev	15.	20.	4.	4.	.8	1.
%RSD	.6265	.7963	.1576	.1527	.0824	.0568

#1	2466.	2528.	2485.	2486.	997.0	2485.
#2	2451.	2543.	2479.	2489.	996.1	2483.
#3	2435.	2503.	2477.	2494.	995.3	2482.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	992.9	5026.	9947.	9816.
Stddev	4.2	11.	124.	20.
%RSD	.4272	.2263	1.244	.1993

#1	992.1	5037.	10060.	9794.
#2	997.5	5027.	9969.	9821.
#3	989.1	5015.	9814.	9832.

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	2805.8	35644.	4978.9
Stddev	4.9	40.	30.7
%RSD	.17533	.11135	.61736

#1	2804.3	35634.	4957.6
#2	2811.3	35611.	5014.1
#3	2801.7	35688.	4964.9

Sample Name: CCB      Acquired: 4/19/2016 11:30:23      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-7.180</b>	<b>.1645</b>	<b>.0626</b>	<b>.1895</b>	<b>.1065</b>	<b>-5.393</b>
Stddev	3.543	1.222	.4135	.0405	.0633	5.774
%RSD	49.35	742.6	660.6	21.37	59.39	107.1
#1	-4.664	1.303	.3719	.2047	.0486	1.138
#2	-5.643	.3161	-.4071	.2202	.0970	-7.496
#3	-11.23	-1.126	.2230	.1436	.1740	-9.820

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0772</b>	<b>.2896</b>	<b>-.0541</b>	<b>.7426</b>	<b>-.9331</b>	<b>51.11</b>
Stddev	.0512	.1303	.3575	.3229	3.999	20.99
%RSD	66.31	44.99	660.4	43.48	428.5	41.06
#1	.0650	.3311	.3544	1.094	3.356	75.17
#2	.1335	.3940	-.3094	.4597	-4.558	36.57
#3	.0333	.1436	-.2074	.6737	-1.598	41.60

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-13.63</b>	<b>.1128</b>	<b>12.79</b>	<b>.0692</b>	<b>-.9791</b>	<b>-.2187</b>
Stddev	5.47	.1596	18.87	.1876	2.606	.8472
%RSD	40.14	141.5	147.5	270.9	266.2	387.4
#1	-7.335	.2963	33.15	.2679	-2.890	-.0264
#2	-17.24	.0065	9.335	-.1048	-2.037	-1.145
#3	-16.32	.0355	-4.110	.0446	1.990	.5158

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

Sample Name: CCB      Acquired: 4/19/2016 11:30:23      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.2942</b>	<b>.3821</b>	<b>-.0053</b>	<b>.1039</b>	<b>-.0968</b>	<b>1.104</b>
Stddev	2.904	1.893	.3375	.2405	.3254	.520
%RSD	987.2	495.5	6411.	231.5	336.3	47.12
#1	-3.291	2.074	.3831	.0359	.2621	1.639
#2	-.0978	-1.663	-.1712	.3710	-.1796	1.073
#3	2.507	.7359	-.2276	-.0954	-.3728	.6001

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.1932</b>	<b>.3288</b>	<b>.8348</b>	<b>20.98</b>
Stddev	.1401	.1747	.4464	7.50
%RSD	72.52	53.14	53.47	35.77
#1	-.2617	.5248	1.339	29.34
#2	-.0320	.2719	.6775	14.85
#3	-.2858	.1896	.4884	18.74

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	<b>2987.1</b>	<b>37452.</b>	<b>5061.4</b>
Stddev	11.5	129.	19.7
%RSD	.38642	.34503	.38958
#1	2988.7	37579.	5041.9
#2	2997.8	37321.	5060.8
#3	2974.9	37456.	5081.4

Sample Name: CCVL      Acquired: 4/19/2016 11:34:30      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>227.0</b>	<b>13.65</b>	<b>9.780</b>	<b>208.0</b>	<b>2.287</b>	<b>4978.</b>
Stddev	25.9	.51	.592	.8	.332	17.
%RSD	11.42	3.720	6.055	.3664	14.51	.3473

#1	205.2	13.97	10.05	208.1	2.051	4986.
#2	220.1	13.07	9.101	208.6	2.142	4958.
#3	255.6	13.92	10.19	207.1	2.666	4989.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.187</b>	<b>52.94</b>	<b>10.08</b>	<b>24.62</b>	<b>144.3</b>	<b>4874.</b>
Stddev	.056	.10	.35	.20	6.2	62.
%RSD	1.327	.1856	3.494	.8007	4.332	1.265

#1	4.126	52.88	10.03	24.80	147.4	4817.
#2	4.201	53.06	9.754	24.64	148.3	4939.
#3	4.235	52.89	10.45	24.41	137.1	4867.

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	<b>4773.</b>	<b>15.64</b>	<b>4937.</b>	<b>42.75</b>	<b>10.16</b>	<b>17.73</b>
Stddev	19.	.07	22.	.59	.99	1.21
%RSD	.3906	.4565	.4420	1.372	9.762	6.849

#1	4794.	15.71	4916.	43.35	9.073	16.65
#2	4762.	15.57	4936.	42.72	10.39	17.48
#3	4762.	15.64	4960.	42.18	11.02	19.05

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



Sample Name: CCVL      Acquired: 4/19/2016 11:34:30      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.61	22.17	50.27	31.17	49.28	20.25
Stddev	1.51	1.53	.12	.10	.19	.11
%RSD	6.969	6.912	.2474	.3117	.3771	.5492

#1	21.00	20.68	50.20	31.27	49.44	20.20
#2	23.33	22.07	50.19	31.16	49.07	20.17
#3	20.51	23.74	50.41	31.07	49.33	20.38

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	49.39	21.24	20.61	F 24.20
Stddev	.52	1.26	.14	11.48
%RSD	1.060	5.936	.6747	47.46

#1	48.95	20.38	20.74	11.14
#2	49.97	20.65	20.46	32.72
#3	49.25	22.69	20.63	28.72

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2997.5	37532.	5130.2
Stddev	11.9	121.	64.1
%RSD	.39797	.32312	1.2499

#1	3008.8	37528.	5168.2
#2	2998.7	37655.	5166.2
#3	2985.0	37412.	5056.1

Sample Name: 460-112203-A-1-C DU      Acquired: 4/19/2016 11:42:21      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>43560.</b>	<b>75.43</b>	<b>2.016</b>	<b>1521.</b>	<b>2.859</b>	<b>14870.</b>
Stddev	116.	1.24	.486	3.	.129	8.
%RSD	.2651	1.639	24.13	.1818	4.495	.0528

#1	43610.	76.66	1.969	1523.	2.891	14870.
#2	43640.	75.44	2.525	1518.	2.968	14860.
#3	43430.	74.19	1.555	1523.	2.717	14870.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>7.889</b>	<b>40.07</b>	<b>108.7</b>	<b>324.6</b>	<b>104500.</b>	<b>3695.</b>
Stddev	.125	.16	.9	1.4	117.	49.
%RSD	1.582	.4113	.7876	.4391	.1119	1.335

#1	7.891	39.92	108.8	324.5	104600.	3664.
#2	7.763	40.04	107.8	323.3	104500.	3752.
#3	8.013	40.24	109.5	326.1	104400.	3669.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6233.</b>	<b>1182.</b>	<b>336.6</b>	<b>69.05</b>	<b>2449.</b>	<b>4.365</b>
Stddev	28.	1.	10.8	.34	2.	.665
%RSD	.4512	.1197	3.220	.4939	.0832	15.23

#1	6218.	1182.	324.3	68.77	2449.	4.819
#2	6216.	1181.	340.7	69.43	2446.	3.602
#3	6266.	1184.	344.7	68.94	2450.	4.675

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

Sample Name: 460-112203-A-1-C DU      Acquired: 4/19/2016 11:42:21      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.008</b>	<b>.9734</b>	<b>137.3</b>	<b>4550.</b>	<b>11.44</b>	<b>14.51</b>
Stddev	2.094	.3940	.7	7.	.82	.19
%RSD	52.24	40.47	.4978	.1524	7.139	1.274
#1	6.388	1.388	136.5	4558.	12.38	14.44
#2	3.185	.6036	137.3	4545.	10.89	14.73
#3	2.450	.9290	137.9	4548.	11.05	14.38

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>60.98</b>	<b>182.2</b>	<b>1176.</b>	<b>1184.</b>
Stddev	.88	.5	1.	3.
%RSD	1.447	.2871	.0668	.2926
#1	61.32	182.0	1176.	1182.
#2	61.65	182.8	1177.	1188.
#3	59.98	181.8	1176.	1183.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3089.1</b>	<b>38719.</b>	<b>5270.3</b>
Stddev	19.5	253.	36.7
%RSD	.63060	.65248	.69588
#1	3068.1	38525.	5228.4
#2	3092.8	38627.	5285.7
#3	3106.5	39005.	5296.8

Sample Name: 460-112203-D-1-A@2      Acquired: 4/19/2016 11:46:17      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>43630.</b>	<b>77.02</b>	<b>2.614</b>	<b>1522.</b>	<b>2.789</b>	<b>14970.</b>
Stddev	157.	1.86	.258	4.	.065	51.
%RSD	.3604	2.416	9.885	.2879	2.334	.3416

#1	43750.	77.89	2.441	1527.	2.739	14960.
#2	43700.	78.29	2.911	1521.	2.862	14920.
#3	43460.	74.89	2.490	1518.	2.765	15020.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>7.778</b>	<b>40.44</b>	<b>109.1</b>	<b>324.3</b>	<b>105400.</b>	<b>3698.</b>
Stddev	.035	.07	.5	.8	237.	8.
%RSD	.4526	.1792	.4539	.2491	.2246	.2227

#1	7.738	40.52	109.6	325.3	105400.	3707.
#2	7.800	40.38	109.0	323.8	105100.	3697.
#3	7.798	40.42	108.6	324.0	105600.	3691.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6260.</b>	<b>1188.</b>	<b>339.9</b>	<b>69.29</b>	<b>2451.</b>	<b>4.164</b>
Stddev	34.	2.	7.9	.69	9.	1.551
%RSD	.5402	.1802	2.316	1.003	.3735	37.24

#1	6296.	1190.	337.1	70.02	2462.	4.780
#2	6229.	1186.	333.8	68.64	2446.	2.400
#3	6254.	1189.	348.8	69.22	2447.	5.312

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

Sample Name: 460-112203-D-1-A@2      Acquired: 4/19/2016 11:46:17      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6.272</b>	<b>-.4549</b>	<b>138.2</b>	<b>4591.</b>	<b>11.38</b>	<b>14.12</b>
Stddev	3.070	1.333	.6	11.	.37	.25
%RSD	48.94	293.0	.4392	.2409	3.229	1.749
#1	7.152	-1.746	138.7	4586.	11.78	14.13
#2	2.859	.9166	138.4	4583.	11.05	13.88
#3	8.806	-.5354	137.5	4603.	11.31	14.37

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>62.24</b>	<b>183.1</b>	<b>1182.</b>	<b>1183.</b>
Stddev	.12	.3	1.	19.
%RSD	.1854	.1528	.1097	1.598
#1	62.17	182.8	1183.	1178.
#2	62.17	183.4	1181.	1166.
#3	62.37	183.2	1183.	1203.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3080.9</b>	<b>38537.</b>	<b>5285.4</b>
Stddev	13.5	131.	5.6
%RSD	.43915	.34036	.10520
#1	3066.2	38397.	5280.2
#2	3092.7	38657.	5291.3
#3	3083.9	38556.	5284.7

Sample Name: 460-112203-D-1-B MS      Acquired: 4/19/2016 11:54:10      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>60260.</b>	<b>993.8</b>	<b>25.28</b>	<b>2235.</b>	<b>28.18</b>	<b>25640.</b>
Stddev	263.	3.3	.56	1.	.03	44.
%RSD	.4364	.3366	2.201	.0599	.1125	.1714
#1	60540.	992.1	25.41	2236.	28.16	25620.
#2	60230.	991.6	24.67	2235.	28.22	25690.
#3	60010.	997.6	25.76	2233.	28.16	25620.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>32.27</b>	<b>293.8</b>	<b>221.7</b>	<b>514.9</b>	<b>111200.</b>	<b>13260.</b>
Stddev	.21	.8	.9	2.6	473.	41.
%RSD	.6624	.2632	.4030	.4998	.4256	.3094
#1	32.21	293.6	222.4	512.5	111400.	13220.
#2	32.08	294.7	220.7	517.6	111600.	13300.
#3	32.50	293.2	222.0	514.6	110700.	13250.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>16660.</b>	<b>1613.</b>	<b>9879.</b>	<b>339.6</b>	<b>2566.</b>	<b>95.36</b>
Stddev	35.	4.	19.	.9	2.	2.33
%RSD	.2086	.2301	.1970	.2661	.0962	2.441
#1	16640.	1612.	9900.	338.7	2565.	98.03
#2	16700.	1617.	9862.	339.7	2569.	94.30
#3	16650.	1609.	9874.	340.5	2564.	93.75

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

Sample Name: 460-112203-D-1-B MS      Acquired: 4/19/2016 11:54:10      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>913.6</b>	<b>1014.</b>	<b>403.5</b>	<b>4072.</b>	<b>240.9</b>	<b>235.5</b>
Stddev	1.8	3.	.9	10.	1.2	.3
%RSD	.1961	.3418	.2229	.2538	.4942	.1398
#1	911.7	1016.	403.6	4060.	239.6	235.7
#2	913.8	1010.	404.4	4078.	241.9	235.1
#3	915.2	1015.	402.6	4077.	241.3	235.6

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>286.7</b>	<b>432.4</b>	<b>1637.</b>	<b>1563.</b>
Stddev	.4	.8	4.	23.
%RSD	.1263	.1824	.2644	1.482
#1	286.9	432.5	1638.	1583.
#2	286.3	433.2	1640.	1567.
#3	287.0	431.6	1632.	1537.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3076.6</b>	<b>38426.</b>	<b>5269.9</b>
Stddev	4.6	79.	62.5
%RSD	.14792	.20511	1.1861
#1	3081.7	38346.	5219.1
#2	3075.3	38429.	5339.7
#3	3072.9	38504.	5250.9

Sample Name: pds 460-112203-D-1-A      Acquired: 4/19/2016 11:57:58      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44940.	1842.	46.91	3372.	50.73	32980.
Stddev	102.	4.	.56	7.	.34	122.
%RSD	.2278	.1910	1.203	.2057	.6790	.3703

#1	45040.	1838.	47.28	3380.	50.33	32910.
#2	44960.	1843.	46.26	3369.	50.97	32910.
#3	44830.	1845.	47.20	3367.	50.88	33120.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54.58	518.0	298.1	547.9	103300.	20670.
Stddev	.12	.6	1.0	3.2	420.	13.
%RSD	.2119	.1249	.3500	.5860	.4066	.0622

#1	54.50	518.4	297.3	550.7	103300.	20680.
#2	54.53	518.3	297.6	548.7	102800.	20680.
#3	54.71	517.3	299.3	544.4	103700.	20660.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23680.	1632.	18760.	552.7	2867.	445.7
Stddev	22.	3.	38.	.3	6.	1.9
%RSD	.0941	.1778	.2027	.0466	.2094	.4266

#1	23690.	1631.	18810.	552.4	2866.	445.4
#2	23660.	1630.	18740.	552.8	2862.	447.7
#3	23710.	1635.	18740.	552.8	2874.	443.9

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



Sample Name: pds 460-112203-D-1-A      Acquired: 4/19/2016 11:57:58      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1799.	1975.	608.0	4945.	473.1	477.9
Stddev	1.	11.	1.0	23.	.5	.7
%RSD	.0671	.5420	.1581	.4601	.1025	.1478
#1	1799.	1968.	608.2	4926.	473.6	478.7
#2	1800.	1970.	607.0	4939.	472.7	477.8
#3	1797.	1987.	608.9	4970.	472.9	477.3

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	531.2	647.2	1631.	1233.
Stddev	2.4	2.4	2.	18.
%RSD	.4428	.3737	.1421	1.432
#1	532.3	649.3	1633.	1246.
#2	528.5	647.6	1628.	1241.
#3	532.8	644.6	1632.	1213.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3015.0	37794.	5169.9
Stddev	16.9	289.	30.5
%RSD	.56125	.76418	.58913
#1	3028.3	37924.	5187.6
#2	3020.7	37995.	5187.4
#3	2995.9	37463.	5134.7

Sample Name: 460-112200-A-12-A@4      Acquired: 4/19/2016 12:01:43      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>39850.</b>	<b>39.51</b>	<b>.3480</b>	<b>123.7</b>	<b>4.699</b>	<b>6591.</b>
Stddev	190.	2.36	.4947	.9	.117	26.
%RSD	.4766	5.985	142.2	.7217	2.499	.4003
#1	40020.	37.16	.7775	122.9	4.831	6612.
#2	39880.	41.89	-.1929	124.6	4.660	6562.
#3	39650.	39.47	.4594	123.4	4.605	6600.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.392</b>	<b>37.93</b>	<b>106.3</b>	<b>187.0</b>	<b>58780.</b>	<b>3059.</b>
Stddev	.121	.53	.4	.4	109.	4.
%RSD	2.743	1.394	.3385	.1905	.1852	.1430
#1	4.255	37.44	106.0	186.6	58750.	3064.
#2	4.478	38.49	106.7	187.4	58700.	3058.
#3	4.444	37.87	106.2	187.0	58910.	3055.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>14330.</b>	<b>1025.</b>	<b>5621.</b>	<b>76.59</b>	<b>181.3</b>	<b>2.396</b>
Stddev	70.	2.	31.	.09	.6	1.389
%RSD	.4864	.2351	.5476	.1177	.3310	57.97
#1	14390.	1027.	5650.	76.50	181.9	3.998
#2	14250.	1023.	5624.	76.59	180.7	1.651
#3	14350.	1026.	5588.	76.68	181.4	1.538

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

Sample Name: 460-112200-A-12-A@4      Acquired: 4/19/2016 12:01:43      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.734</b>	<b>-2.056</b>	<b>187.2</b>	<b>2383.</b>	<b>16.83</b>	<b>5.072</b>
Stddev	.944	1.408	.4	9.	.20	.266
%RSD	19.94	68.48	.2025	.3799	1.202	5.252
#1	4.416	-3.130	186.8	2377.	17.06	4.933
#2	5.796	-.4620	187.2	2378.	16.72	4.904
#3	3.990	-2.576	187.6	2393.	16.70	5.379

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>13.02</b>	<b>92.88</b>	<b>860.0</b>	<b>943.8</b>
Stddev	.50	.15	2.3	8.7
%RSD	3.834	.1653	.2645	.9168
#1	12.77	92.71	858.8	934.1
#2	13.59	92.99	858.5	946.5
#3	12.69	92.96	862.6	950.8

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3203.5</b>	<b>39955.</b>	<b>5427.0</b>
Stddev	6.0	406.	82.4
%RSD	.18882	1.0172	1.5187
#1	3196.5	39486.	5332.8
#2	3206.7	40186.	5462.4
#3	3207.2	40194.	5485.8

Sample Name: 460-112200-A-14-A@4      Acquired: 4/19/2016 12:09:39      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>38210.</b>	<b>28.91</b>	<b>.0691</b>	<b>194.8</b>	<b>6.414</b>	<b>2874.</b>
Stddev	24.	1.32	.1440	.9	.035	12.
%RSD	.0634	4.568	208.5	.4477	.5459	.4223
#1	38180.	30.43	-.0600	193.9	6.409	2863.
#2	38200.	28.04	.2244	194.7	6.382	2887.
#3	38230.	28.26	.0428	195.7	6.451	2871.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.2461</b>	<b>44.67</b>	<b>68.86</b>	<b>143.2</b>	<b>64470.</b>	<b>2464.</b>
Stddev	.0631	.06	.59	.4	122.	48.
%RSD	25.64	.1330	.8569	.2472	.1890	1.937
#1	-.3181	44.73	68.71	143.0	64600.	2445.
#2	-.2195	44.61	69.51	142.9	64450.	2518.
#3	-.2006	44.65	68.36	143.6	64360.	2429.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>17640.</b>	<b>653.2</b>	<b>6768.</b>	<b>36.24</b>	<b>91.53</b>	<b>2.294</b>
Stddev	44.	1.7	1.	.39	.32	.957
%RSD	.2494	.2580	.0143	1.067	.3451	41.72
#1	17650.	654.0	6769.	36.00	91.55	3.388
#2	17680.	654.4	6768.	36.69	91.84	1.610
#3	17600.	651.3	6767.	36.03	91.21	1.884

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

Sample Name: 460-112200-A-14-A@4      Acquired: 4/19/2016 12:09:39      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.592</b>	<b>-1.667</b>	<b>155.5</b>	<b>250.3</b>	<b>7.512</b>	<b>8.750</b>
Stddev	1.569	1.805	.8	.3	.259	.213
%RSD	60.52	108.3	.5175	.1262	3.449	2.432
#1	1.354	-3.625	154.7	250.4	7.263	8.557
#2	2.065	-1.307	155.7	250.6	7.493	8.715
#3	4.357	-.0681	156.3	250.0	7.781	8.978

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>7.117</b>	<b>43.80</b>	<b>477.9</b>	<b>811.9</b>
Stddev	.599	.14	.6	.9
%RSD	8.417	.3173	.1311	.1057
#1	6.664	43.95	478.6	812.6
#2	7.796	43.77	477.3	810.9
#3	6.890	43.67	477.8	812.1

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3185.6</b>	<b>39659.</b>	<b>5385.1</b>
Stddev	13.2	149.	29.5
%RSD	.41488	.37483	.54813
#1	3180.4	39625.	5381.8
#2	3175.8	39530.	5357.4
#3	3200.7	39822.	5416.2

Sample Name: CCV      Acquired: 4/19/2016 12:17:32      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123800.	2437.	1215.	9967.	1005.	124700.
Stddev	179.	7.	2.	7.	2.	219.
%RSD	.1445	.2720	.1264	.0750	.1884	.1751

#1	123800.	2438.	1217.	9975.	1004.	124500.
#2	124000.	2430.	1214.	9967.	1007.	125000.
#3	123600.	2443.	1214.	9960.	1005.	124700.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1248.	2499.	4990.	12280.	100900.	49480.
Stddev	1.	.	15.	38.	210.	90.
%RSD	.1011	.0198	.2941	.3069	.2081	.1813

#1	1248.	2499.	4988.	12320.	100800.	49390.
#2	1250.	2498.	5005.	12240.	101100.	49570.
#3	1247.	2499.	4976.	12270.	100700.	49490.

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	123000.	5040.	124600.	2497.	7487.	979.4
Stddev	204.	5.	134.	2.	4.	5.6
%RSD	.1661	.1066	.1072	.0835	.0595	.5728

#1	122900.	5035.	124600.	2499.	7491.	976.9
#2	123300.	5046.	124700.	2495.	7482.	975.4
#3	123000.	5038.	124500.	2498.	7486.	985.8

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

Sample Name: CCV      Acquired: 4/19/2016 12:17:32      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2449.</b>	<b>2526.</b>	<b>2496.</b>	<b>2536.</b>	<b>987.8</b>	<b>2478.</b>
Stddev	15.	9.	2.	15.	5.7	5.
%RSD	.6118	.3371	.0810	.5727	.5726	.1929

#1	2445.	2521.	2495.	2538.	987.4	2476.
#2	2435.	2523.	2495.	2549.	982.3	2474.
#3	2465.	2536.	2498.	2520.	993.6	2483.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>998.1</b>	<b>5015.</b>	<b>10060.</b>	<b>9701.</b>
Stddev	2.9	7.	11.	47.
%RSD	.2915	.1409	.1074	.4824

#1	997.4	5010.	10070.	9726.
#2	995.6	5023.	10050.	9731.
#3	1001.	5012.	10060.	9647.

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	<b>2800.1</b>	<b>35203.</b>	<b>4854.3</b>
Stddev	3.3	104.	40.0
%RSD	.11766	.29569	.82433

#1	2798.2	35320.	4900.4
#2	2798.2	35168.	4828.3
#3	2803.9	35121.	4834.3

Sample Name: CCVL      Acquired: 4/19/2016 12:25:25      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	207.6	12.89	9.857	208.5	2.087	5055.
Stddev	2.8	1.70	.124	.1	.055	20.
%RSD	1.344	13.17	1.258	.0267	2.632	.3945

#1	204.4	14.84	9.748	208.5	2.127	5039.
#2	209.7	12.10	9.992	208.5	2.110	5077.
#3	208.6	11.73	9.831	208.4	2.025	5049.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.172	53.32	10.40	24.91	155.8	4896.
Stddev	.014	.23	.54	.29	9.5	38.
%RSD	.3421	.4320	5.217	1.175	6.130	.7796

#1	4.172	53.50	10.93	25.20	165.7	4860.
#2	4.157	53.06	10.42	24.92	146.6	4936.
#3	4.186	53.41	9.850	24.62	155.0	4893.

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	4841.	15.85	4952.	42.78	9.716	19.33
Stddev	5.	.01	26.	.32	1.233	.93
%RSD	.1024	.0391	.5171	.7494	12.69	4.785

#1	4846.	15.84	4974.	43.15	11.00	20.38
#2	4837.	15.85	4958.	42.60	9.611	18.63
#3	4838.	15.84	4924.	42.60	8.538	18.98

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



Sample Name: CCVL      Acquired: 4/19/2016 12:25:25      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.77	22.55	51.09	31.94	49.56	20.39
Stddev	2.67	1.53	.60	.21	.58	.14
%RSD	14.24	6.804	1.179	.6500	1.165	.7030
#1	20.75	24.22	50.91	31.89	49.63	20.53
#2	19.82	22.25	51.77	31.76	48.96	20.40
#3	15.73	21.19	50.60	32.17	50.11	20.25

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	50.12	20.67	20.63	F 13.95
Stddev	.66	.21	.09	4.85
%RSD	1.326	1.037	.4585	34.80
#1	49.36	20.42	20.67	9.382
#2	50.60	20.81	20.52	19.04
#3	50.41	20.79	20.69	13.41

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2970.9	37146.	5033.9
Stddev	4.6	166.	23.2
%RSD	.15462	.44704	.46022
#1	2973.5	37091.	5060.1
#2	2973.6	37015.	5016.2
#3	2965.6	37333.	5025.4

Sample Name: 460-112203-D-3-A@4      Acquired: 4/19/2016 12:29:27      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>45750.</b>	<b>72.23</b>	<b>2.607</b>	<b>1329.</b>	<b>2.983</b>	<b>12090.</b>
Stddev	187.	2.17	.236	2.	.122	17.
%RSD	.4082	3.005	9.056	.1549	4.105	.1409

#1	45890.	71.73	2.810	1331.	2.971	12080.
#2	45830.	74.61	2.663	1327.	3.110	12080.
#3	45540.	70.36	2.348	1328.	2.866	12110.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>9.898</b>	<b>65.16</b>	<b>118.1</b>	<b>537.1</b>	<b>121500.</b>	<b>2884.</b>
Stddev	.126	.19	.4	1.6	383.	25.
%RSD	1.269	.2981	.3232	.2972	.3148	.8770

#1	10.02	65.23	117.9	538.0	121200.	2899.
#2	9.910	65.31	118.6	535.3	122000.	2897.
#3	9.767	64.94	117.9	538.1	121400.	2854.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6925.</b>	<b>2172.</b>	<b>209.7</b>	<b>169.6</b>	<b>4136.</b>	<b>6.619</b>
Stddev	14.	1.	14.0	.5	7.	2.574
%RSD	.1988	.0322	6.661	.3005	.1616	38.89

#1	6940.	2172.	223.6	169.3	4144.	8.418
#2	6913.	2173.	195.7	170.2	4132.	7.769
#3	6921.	2171.	209.9	169.4	4132.	3.670

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

Sample Name: 460-112203-D-3-A@4      Acquired: 4/19/2016 12:29:27      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6.280</b>	<b>-1.225</b>	<b>139.5</b>	<b>3539.</b>	<b>8.954</b>	<b>4.862</b>
Stddev	3.666	1.084	.4	10.	.188	.174
%RSD	58.38	88.52	.2911	.2745	2.099	3.578
#1	10.48	-2.366	139.2	3541.	9.105	4.822
#2	3.703	-.2081	139.4	3547.	8.744	4.711
#3	4.659	-1.101	140.0	3528.	9.014	5.052

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>57.17</b>	<b>85.85</b>	<b>1173.</b>	<b>1032.</b>
Stddev	.27	.04	.	28.
%RSD	.4690	.0516	.0273	2.703
#1	57.46	85.90	1173.	1002.
#2	56.93	85.86	1173.	1037.
#3	57.11	85.81	1172.	1057.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3127.7</b>	<b>39309.</b>	<b>5415.8</b>
Stddev	10.6	200.	32.9
%RSD	.33960	.50770	.60789
#1	3115.6	39173.	5379.0
#2	3131.7	39216.	5442.4
#3	3135.7	39538.	5426.1

Sample Name: 460-112203-D-4-A@4      Acquired: 4/19/2016 12:33:21      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>57770.</b>	<b>14.38</b>	<b>-.4026</b>	<b>240.6</b>	<b>2.000</b>	<b>3462.</b>
Stddev	737.	1.10	.0747	3.5	.079	32.
%RSD	1.276	7.633	18.56	1.448	3.961	.9208

#1	<b>57190.</b>	<b>14.79</b>	<b>-.3556</b>	<b>237.3</b>	<b>1.985</b>	<b>3433.</b>
#2	<b>57510.</b>	<b>15.20</b>	<b>-.3634</b>	<b>240.2</b>	<b>1.929</b>	<b>3456.</b>
#3	<b>58600.</b>	<b>13.13</b>	<b>-.4888</b>	<b>244.2</b>	<b>2.086</b>	<b>3496.</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.9757</b>	<b>19.96</b>	<b>109.0</b>	<b>72.16</b>	<b>82110.</b>	<b>3598.</b>
Stddev	.1182	.41	1.2	.38	835.	50.
%RSD	12.12	2.038	1.127	.5245	1.016	1.388

#1	<b>-1.104</b>	<b>19.60</b>	<b>107.7</b>	<b>71.99</b>	<b>81380.</b>	<b>3565.</b>
#2	<b>-.8721</b>	<b>19.88</b>	<b>109.1</b>	<b>71.90</b>	<b>81930.</b>	<b>3575.</b>
#3	<b>-.9504</b>	<b>20.40</b>	<b>110.2</b>	<b>72.60</b>	<b>83020.</b>	<b>3656.</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>9248.</b>	<b>330.7</b>	<b>281.2</b>	<b>59.22</b>	<b>216.1</b>	<b>2.460</b>
Stddev	86.	3.0	7.1	.68	3.0	.728
%RSD	.9321	.9010	2.534	1.147	1.366	29.59

#1	<b>9154.</b>	<b>327.7</b>	<b>289.0</b>	<b>58.85</b>	<b>213.7</b>	<b>1.683</b>
#2	<b>9269.</b>	<b>330.6</b>	<b>279.4</b>	<b>58.81</b>	<b>215.3</b>	<b>2.571</b>
#3	<b>9323.</b>	<b>333.7</b>	<b>275.1</b>	<b>60.01</b>	<b>219.4</b>	<b>3.126</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
High Limit						
Low Limit						

Sample Name: 460-112203-D-4-A@4      Acquired: 4/19/2016 12:33:21      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.663</b>	<b>-3.269</b>	<b>151.4</b>	<b>293.5</b>	<b>5.416</b>	<b>2.759</b>
Stddev	2.004	1.909	1.5	3.8	.283	.127
%RSD	42.99	58.41	1.007	1.286	5.227	4.611
#1	5.262	-5.282	149.9	290.9	5.501	2.653
#2	6.298	-3.040	151.5	291.8	5.100	2.722
#3	2.427	-1.484	152.9	297.9	5.647	2.900

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>11.09</b>	<b>21.87</b>	<b>2150.</b>	<b>864.2</b>
Stddev	.20	.23	22.	12.3
%RSD	1.817	1.053	1.021	1.424
#1	11.22	21.69	2130.	852.9
#2	10.85	21.78	2146.	862.2
#3	11.19	22.13	2174.	877.3

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3051.9</b>	<b>38291.</b>	<b>5210.2</b>
Stddev	6.7	259.	78.4
%RSD	.21797	.67691	1.5040
#1	3050.2	38005.	5124.4
#2	3046.3	38358.	5228.2
#3	3059.3	38510.	5278.0

Sample Name: 460-112203-D-5-A@4      Acquired: 4/19/2016 12:37:18      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>42840.</b>	<b>163.4</b>	<b>4.467</b>	<b>1984.</b>	<b>2.931</b>	<b>13450.</b>
Stddev	192.	1.5	.365	5.	.044	106.
%RSD	.4486	.9313	8.176	.2322	1.502	.7908
#1	42940.	164.6	4.186	1985.	2.919	13510.
#2	42960.	161.7	4.335	1988.	2.895	13510.
#3	42620.	163.8	4.880	1979.	2.980	13330.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>11.14</b>	<b>167.5</b>	<b>146.0</b>	<b>762.6</b>	<b>150700.</b>	<b>3037.</b>
Stddev	.03	.2	1.3	1.4	827.	34.
%RSD	.2291	.1468	.9064	.1857	.5487	1.115
#1	11.15	167.3	147.1	762.2	151500.	3008.
#2	11.17	167.3	146.3	761.5	150700.	3030.
#3	11.12	167.8	144.5	764.2	149900.	3074.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6552.</b>	<b>1786.</b>	<b>229.5</b>	<b>90.79</b>	<b>5042.</b>	<b>10.33</b>
Stddev	49.	9.	2.0	.69	6.	1.77
%RSD	.7498	.5007	.8808	.7643	.1103	17.17
#1	6557.	1792.	231.7	90.31	5048.	11.12
#2	6598.	1791.	227.6	90.47	5041.	8.294
#3	6501.	1776.	229.2	91.59	5037.	11.56

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

Sample Name: 460-112203-D-5-A@4      Acquired: 4/19/2016 12:37:18      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>8.298</b>	<b>-8.055</b>	<b>231.5</b>	<b>2610.</b>	<b>5.891</b>	<b>8.803</b>
Stddev	2.120	3.228	1.7	10.	.552	.201
%RSD	25.55	400.8	.7552	.3871	9.379	2.282
#1	6.066	-2.911	231.4	2618.	6.008	9.034
#2	10.29	2.911	233.3	2599.	5.290	8.668
#3	8.541	-2.416	229.9	2612.	6.376	8.707

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>80.47</b>	<b>221.8</b>	<b>1366.</b>	<b>1032.</b>
Stddev	.77	.3	2.	22.
%RSD	.9576	.1515	.1221	2.168
#1	81.36	222.2	1368.	1024.
#2	80.01	221.6	1365.	1015.
#3	80.04	221.6	1365.	1058.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3068.8</b>	<b>38375.</b>	<b>5210.0</b>
Stddev	30.6	699.	118.5
%RSD	.99747	1.8218	2.2746
#1	3034.1	37993.	5140.5
#2	3092.0	37950.	5142.6
#3	3080.3	39182.	5346.8

Sample Name: 460-112203-D-6-A@4      Acquired: 4/19/2016 12:41:09      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>54280.</b>	<b>34.17</b>	<b>.9728</b>	<b>563.7</b>	<b>2.537</b>	<b>5904.</b>
Stddev	67.	.98	.5502	.5	.082	38.
%RSD	.1234	2.872	56.56	.0895	3.229	.6489

#1	54260.	33.30	1.541	563.6	2.630	5874.
#2	54350.	35.23	.9341	563.2	2.477	5947.
#3	54220.	33.97	.4429	564.2	2.504	5891.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.243</b>	<b>43.10</b>	<b>108.9</b>	<b>179.2</b>	<b>92290.</b>	<b>3474.</b>
Stddev	.098	.40	.5	.2	323.	22.
%RSD	3.009	.9359	.4869	.1374	.3504	.6407

#1	3.282	43.30	108.6	179.3	92160.	3500.
#2	3.132	43.36	109.5	179.3	92660.	3465.
#3	3.315	42.63	108.5	178.9	92050.	3458.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>7776.</b>	<b>852.7</b>	<b>134.8</b>	<b>68.68</b>	<b>1046.</b>	<b>4.021</b>
Stddev	36.	2.6	9.7	.21	1.	1.376
%RSD	.4588	.3046	7.162	.3121	.0951	34.21

#1	7741.	849.7	139.6	68.77	1047.	5.610
#2	7813.	854.1	141.0	68.84	1045.	3.224
#3	7774.	854.3	123.6	68.44	1045.	3.230

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



Sample Name: 460-112203-D-6-A@4      Acquired: 4/19/2016 12:41:09      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.095</b>	<b>-2.934</b>	<b>153.9</b>	<b>1120.</b>	<b>4.424</b>	<b>4.088</b>
Stddev	1.783	.581	.1	5.	.188	.125
%RSD	43.55	19.81	.0729	.4794	4.257	3.047
#1	5.546	-3.440	153.8	1123.	4.447	4.172
#2	4.633	-3.064	153.9	1124.	4.225	4.147
#3	2.104	-2.299	154.0	1114.	4.599	3.945

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>26.85</b>	<b>44.64</b>	<b>1931.</b>	<b>917.9</b>
Stddev	1.24	.11	2.	12.0
%RSD	4.603	.2543	.1186	1.304
#1	27.10	44.75	1930.	931.5
#2	25.51	44.63	1934.	912.9
#3	27.94	44.53	1930.	909.2

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	<b>3064.1</b>	<b>38227.</b>	<b>5216.5</b>
Stddev	22.4	147.	49.9
%RSD	.73081	.38431	.95583
#1	3051.9	38262.	5241.6
#2	3050.6	38066.	5159.1
#3	3090.0	38353.	5249.0

Sample Name: 460-112203-B-7-A@4      Acquired: 4/19/2016 12:45:05      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>34820.</b>	<b>55.60</b>	<b>3.379</b>	<b>1090.</b>	<b>2.143</b>	<b>8596.</b>
Stddev	158.	2.26	.368	1.	.179	53.
%RSD	.4543	4.060	10.88	.1360	8.344	.6173

#1	34660.	53.45	3.657	1089.	2.221	8541.
#2	34980.	57.95	2.962	1092.	1.938	8647.
#3	34830.	55.40	3.519	1089.	2.270	8599.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5.843</b>	<b>50.58</b>	<b>98.30</b>	<b>371.2</b>	<b>75610.</b>	<b>3283.</b>
Stddev	.135	.19	.38	.3	155.	48.
%RSD	2.310	.3813	.3850	.0715	.2046	1.460

#1	5.726	50.54	98.03	371.0	75790.	3254.
#2	5.991	50.79	98.73	371.2	75490.	3257.
#3	5.813	50.41	98.14	371.5	75560.	3338.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5843.</b>	<b>1301.</b>	<b>252.1</b>	<b>72.05</b>	<b>2465.</b>	<b>3.500</b>
Stddev	49.	5.	3.9	.52	3.	1.445
%RSD	.8373	.4002	1.562	.7218	.1375	41.30

#1	5790.	1296.	252.2	71.63	2465.	4.949
#2	5886.	1306.	248.1	72.64	2469.	3.494
#3	5853.	1302.	256.0	71.89	2462.	2.058

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

Sample Name: 460-112203-B-7-A@4      Acquired: 4/19/2016 12:45:05      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.2138</b>	<b>-.4561</b>	<b>113.5</b>	<b>3344.</b>	<b>9.770</b>	<b>2.884</b>
Stddev	1.878	3.230	.6	3.	.649	.086
%RSD	878.1	708.1	.5478	.0861	6.645	2.991
#1	1.890	3.120	112.9	3341.	9.915	2.973
#2	-1.815	-3.161	113.4	3347.	10.33	2.878
#3	.5672	-1.327	114.2	3343.	9.061	2.800

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>55.59</b>	<b>88.96</b>	<b>1253.</b>	<b>1003.</b>
Stddev	.69	.14	2.	25.
%RSD	1.236	.1551	.1592	2.455
#1	54.81	88.89	1254.	1031.
#2	55.91	89.12	1251.	985.0
#3	56.07	88.88	1254.	993.0

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3053.3</b>	<b>38516.</b>	<b>5286.8</b>
Stddev	4.0	80.	103.5
%RSD	.12981	.20729	1.9567
#1	3051.4	38553.	5405.8
#2	3050.7	38424.	5218.5
#3	3057.9	38570.	5236.1

Sample Name: 460-112203-C-8-A@4      Acquired: 4/19/2016 12:49:01      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>54420.</b>	<b>25.50</b>	<b>.2242</b>	<b>364.7</b>	<b>2.722</b>	<b>4635.</b>
Stddev	225.	1.07	.4810	.4	.074	13.
%RSD	.4125	4.189	214.5	.1141	2.723	.2801

#1	54560.	24.65	-.3310	364.6	2.752	4621.
#2	54530.	25.16	.4907	364.4	2.638	4640.
#3	54160.	26.70	.5129	365.2	2.777	4646.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.9280</b>	<b>27.74</b>	<b>92.37</b>	<b>142.7</b>	<b>78020.</b>	<b>2799.</b>
Stddev	.1008	.23	.63	.5	73.	5.
%RSD	10.86	.8307	.6787	.3748	.0940	.1660

#1	.8448	27.47	91.78	143.2	77950.	2795.
#2	1.040	27.86	93.03	142.2	78020.	2799.
#3	.8991	27.88	92.30	142.7	78090.	2804.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>7197.</b>	<b>922.6</b>	<b>172.6</b>	<b>53.15</b>	<b>423.5</b>	<b>1.673</b>
Stddev	3.	.7	8.4	.22	2.4	1.948
%RSD	.0406	.0803	4.890	.4154	.5689	116.4

#1	7194.	923.0	162.9	53.38	425.9	3.808
#2	7200.	921.7	176.2	52.94	423.4	-.0068
#3	7196.	923.0	178.6	53.13	421.1	1.218

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

Sample Name: 460-112203-C-8-A@4      Acquired: 4/19/2016 12:49:01      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.688</b>	<b>-1.203</b>	<b>125.0</b>	<b>1191.</b>	<b>3.921</b>	<b>2.575</b>
Stddev	1.593	1.498	.6	1.	.338	.400
%RSD	43.19	124.5	.5124	.0813	8.616	15.54
#1	2.209	-2.932	125.1	1191.	4.283	2.323
#2	3.481	-.2972	125.6	1192.	3.613	3.036
#3	5.375	-.3805	124.3	1190.	3.868	2.365

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>36.78</b>	<b>43.44</b>	<b>1553.</b>	<b>939.8</b>
Stddev	.52	.07	2.	16.1
%RSD	1.420	.1536	.1039	1.708
#1	37.20	43.52	1553.	957.2
#2	36.95	43.43	1551.	936.3
#3	36.19	43.38	1554.	925.7

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3103.6</b>	<b>38839.</b>	<b>5379.6</b>
Stddev	15.1	127.	44.5
%RSD	.48655	.32618	.82693
#1	3089.1	38811.	5407.1
#2	3102.4	38728.	5328.3
#3	3119.2	38977.	5403.5

Sample Name: 460-112203-C-10-A@4      Acquired: 4/19/2016 12:56:55      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>75700.</b>	<b>29.06</b>	<b>.0658</b>	<b>475.1</b>	<b>2.828</b>	<b>6407.</b>
Stddev	192.	1.72	.6644	.7	.082	48.
%RSD	.2542	5.927	1010.	.1471	2.883	.7464
#1	75830.	30.76	-.5388	475.4	2.745	6456.
#2	75780.	27.31	.7770	475.6	2.833	6361.
#3	75480.	29.12	-.0409	474.3	2.908	6403.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.3917</b>	<b>25.89</b>	<b>144.7</b>	<b>91.10</b>	<b>113400.</b>	<b>4871.</b>
Stddev	.0935	.16	.7	.32	452.	28.
%RSD	23.87	.6071	.4777	.3516	.3984	.5780
#1	-.4964	25.72	145.0	90.84	113900.	4892.
#2	-.3624	25.92	143.9	90.99	113000.	4883.
#3	-.3164	26.03	145.1	91.46	113200.	4839.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>9522.</b>	<b>434.9</b>	<b>130.1</b>	<b>67.26</b>	<b>490.9</b>	<b>2.767</b>
Stddev	50.	1.5	9.0	.20	1.1	.712
%RSD	.5236	.3344	6.916	.2974	.2340	25.74
#1	9539.	436.3	126.8	67.22	492.0	2.034
#2	9466.	433.4	123.2	67.08	489.7	3.457
#3	9561.	434.9	140.3	67.48	491.0	2.811

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

Sample Name: 460-112203-C-10-A@4      Acquired: 4/19/2016 12:56:55      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.521</b>	<b>-1.526</b>	<b>195.1</b>	<b>707.7</b>	<b>6.953</b>	<b>5.085</b>
Stddev	.663	1.197	1.1	2.7	.775	.304
%RSD	26.30	78.45	.5692	.3868	11.15	5.985
#1	2.358	-2.687	195.5	710.8	7.749	4.751
#2	1.955	-.2952	193.8	705.5	6.911	5.156
#3	3.251	-1.596	195.9	706.9	6.200	5.348

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>10.84</b>	<b>60.37</b>	<b>2482.</b>	<b>967.4</b>
Stddev	1.15	.16	1.	30.8
%RSD	10.63	.2714	.0445	3.187
#1	12.16	60.50	2483.	940.2
#2	10.34	60.41	2482.	961.2
#3	10.02	60.19	2480.	1001.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3058.2</b>	<b>38172.</b>	<b>5222.5</b>
Stddev	35.9	521.	97.8
%RSD	1.1747	1.3640	1.8733
#1	3020.0	37581.	5121.4
#2	3063.4	38562.	5229.5
#3	3091.3	38375.	5316.7

Sample Name: 460-112203-C-12-A@4      Acquired: 4/19/2016 13:04:47      Type: Unk  
 Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
 User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>70480.</b>	<b>14.11</b>	<b>.0106</b>	<b>267.5</b>	<b>3.083</b>	<b>4251.</b>
Stddev	227.	2.51	.7406	.8	.061	6.
%RSD	.3225	17.82	7013.	.3019	1.995	.1523

#1	70700.	13.49	-.4132	267.6	3.136	4251.
#2	70490.	16.88	-.4208	266.6	3.097	4244.
#3	70250.	11.97	.8657	268.2	3.016	4257.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.549</b>	<b>29.01</b>	<b>129.6</b>	<b>65.27</b>	<b>104300.</b>	<b>5303.</b>
Stddev	.075	.31	.2	.34	172.	19.
%RSD	4.855	1.062	.1835	.5207	.1653	.3582

#1	-1.486	28.92	129.4	65.49	104500.	5314.
#2	-1.632	28.75	129.9	65.45	104100.	5281.
#3	-1.528	29.35	129.7	64.88	104200.	5314.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>10860.</b>	<b>542.8</b>	<b>133.1</b>	<b>70.96</b>	<b>98.87</b>	<b>2.095</b>
Stddev	30.	.5	12.3	1.00	.47	1.493
%RSD	.2728	.0870	9.263	1.414	.4717	71.25

#1	10830.	542.5	120.7	71.06	98.58	3.607
#2	10890.	542.5	145.3	69.91	99.41	.6218
#3	10850.	543.3	133.4	71.91	98.63	2.057

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



Sample Name: 460-112203-C-12-A@4      Acquired: 4/19/2016 13:04:47      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.256</b>	<b>-1.989</b>	<b>188.7</b>	<b>230.6</b>	<b>3.000</b>	<b>3.042</b>
Stddev	2.777	3.055	.6	2.5	.824	.130
%RSD	85.29	153.6	.3353	1.094	27.46	4.287
#1	.1573	-5.440	189.2	227.9	2.487	3.157
#2	5.519	.3656	189.0	230.9	2.562	3.069
#3	4.091	-.8911	188.0	232.9	3.950	2.901

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>9.000</b>	<b>43.59</b>	<b>2876.</b>	<b>939.3</b>
Stddev	.841	.05	4.	29.8
%RSD	9.340	.1150	.1331	3.172
#1	9.756	43.64	2880.	922.9
#2	9.148	43.57	2873.	921.2
#3	8.095	43.55	2875.	973.6

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	<b>3085.0</b>	<b>38105.</b>	<b>5257.4</b>
Stddev	28.2	75.	32.1
%RSD	.91326	.19662	.61110
#1	3111.5	38030.	5231.6
#2	3088.1	38107.	5247.3
#3	3055.4	38179.	5293.4

Sample Name: CCV      Acquired: 4/19/2016 13:08:45      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124200.	2463.	1222.	10030.	1008.	124200.
Stddev	334.	1.	2.	11.	3.	234.
%RSD	.2693	.0499	.1305	.1133	.3149	.1882

#1	124200.	2462.	1224.	10030.	1011.	124400.
#2	124500.	2464.	1221.	10020.	1009.	124000.
#3	123800.	2463.	1221.	10040.	1005.	124300.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1255.	2515.	4985.	12400.	100800.	49570.
Stddev	3.	3.	9.	7.	231.	142.
%RSD	.2113	.1147	.1809	.0543	.2291	.2855

#1	1258.	2519.	4995.	12400.	101100.	49540.
#2	1252.	2513.	4978.	12410.	100700.	49730.
#3	1256.	2515.	4982.	12400.	100600.	49450.

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.	5040.	125200.	2515.	7543.	990.6
Stddev	222.	8.	152.	1.	14.	3.4
%RSD	.1802	.1531	.1214	.0405	.1914	.3449

#1	123200.	5047.	125100.	2516.	7555.	987.1
#2	122800.	5032.	125300.	2514.	7527.	990.9
#3	123200.	5041.	125100.	2516.	7546.	993.9

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

Sample Name: CCV      Acquired: 4/19/2016 13:08:45      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2479.	2557.	2498.	2542.	1001.	2498.
Stddev	10.	9.	4.	7.	1.	2.
%RSD	.4037	.3540	.1698	.2746	.1345	.0776

#1	2476.	2555.	2501.	2550.	999.6	2500.
#2	2471.	2549.	2499.	2536.	1002.	2496.
#3	2490.	2567.	2493.	2540.	1002.	2499.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1006.	5042.	10030.	9867.
Stddev	.	5.	117.	104.
%RSD	.0461	.1030	1.163	1.049

#1	1007.	5046.	10110.	9868.
#2	1006.	5043.	9899.	9763.
#3	1006.	5036.	10100.	9970.

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	2780.8	35204.	4911.2
Stddev	4.7	129.	27.6
%RSD	.16763	.36717	.56294

#1	2781.1	35117.	4917.5
#2	2785.3	35353.	4881.0
#3	2776.0	35143.	4935.2

Sample Name: 460-112203-D-9-A@4      Acquired: 4/19/2016 12:52:57      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>47900.</b>	<b>163.3</b>	<b>3.295</b>	<b>4295.</b>	<b>3.367</b>	<b>108000.</b>
Stddev	142.	1.1	.231	10.	.093	539.
%RSD	.2964	.6541	7.007	.2394	2.754	.4990

#1	47780.	163.8	3.167	4307.	3.446	108000.
#2	48060.	162.1	3.561	4288.	3.265	108600.
#3	47860.	164.0	3.156	4289.	3.390	107500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>8.337</b>	<b>66.15</b>	<b>146.6</b>	<b>491.9</b>	<b>79490.</b>	<b>4542.</b>
Stddev	.112	.05	1.3	2.1	326.	10.
%RSD	1.338	.0714	.8966	.4300	.4102	.2209

#1	8.209	66.12	146.2	490.0	79830.	4548.
#2	8.389	66.13	148.1	494.2	79460.	4531.
#3	8.413	66.21	145.5	491.6	79180.	4548.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>9839.</b>	<b>3704.</b>	<b>457.4</b>	<b>93.47</b>	<b>6094.</b>	<b>6.799</b>
Stddev	50.	15.	5.3	.45	12.	.714
%RSD	.5108	.4113	1.167	.4806	.2007	10.50

#1	9834.	3710.	451.8	93.95	6101.	7.578
#2	9892.	3716.	458.1	93.39	6080.	6.177
#3	9792.	3687.	462.4	93.06	6100.	6.641

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

Sample Name: 460-112203-D-9-A@4      Acquired: 4/19/2016 12:52:57      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.673</b>	<b>-1.390</b>	<b>147.3</b>	<b>4589.</b>	<b>69.23</b>	<b>3.219</b>
Stddev	2.992	1.406	.4	3.	.30	.248
%RSD	112.0	101.2	.2928	.0675	.4394	7.706
#1	5.686	-2.713	147.3	4593.	69.18	3.330
#2	-.2978	-1.543	147.7	4587.	68.96	2.935
#3	2.629	.0866	146.8	4588.	69.56	3.393

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>38.94</b>	<b>940.6</b>	<b>2101.</b>	<b>1276.</b>
Stddev	1.00	2.3	5.	15.
%RSD	2.575	.2424	.2290	1.172
#1	40.02	938.3	2105.	1293.
#2	38.77	942.8	2102.	1270.
#3	38.03	940.8	2096.	1265.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3083.2</b>	<b>38966.</b>	<b>5385.0</b>
Stddev	11.1	213.	17.5
%RSD	.36135	.54704	.32557
#1	3077.1	38780.	5366.8
#2	3096.1	38920.	5386.5
#3	3076.4	39199.	5401.8

Sample Name: 460-112203-C-11-A@4      Acquired: 4/19/2016 13:00:50      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>23740.</b>	<b>32.91</b>	<b>1.123</b>	<b>298.5</b>	<b>1.389</b>	<b>2970.</b>
Stddev	2.	.47	.500	1.0	.034	4.
%RSD	.0074	1.429	44.49	.3508	2.449	.1290
#1	23740.	32.46	.9144	297.3	1.394	2971.
#2	23740.	33.40	1.693	298.9	1.420	2966.
#3	23740.	32.86	.7616	299.3	1.353	2974.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.8921</b>	<b>23.16</b>	<b>54.09</b>	<b>109.6</b>	<b>43940.</b>	<b>1504.</b>
Stddev	.1056	.05	.28	.0	59.	19.
%RSD	11.83	.2017	.5175	.0231	.1336	1.257
#1	.9666	23.12	54.41	109.6	43880.	1489.
#2	.7713	23.21	53.93	109.6	43990.	1525.
#3	.9384	23.15	53.92	109.6	43940.	1497.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3999.</b>	<b>405.0</b>	<b>101.5</b>	<b>37.97</b>	<b>607.7</b>	<b>2.023</b>
Stddev	11.	.9	4.9	.21	.5	.294
%RSD	.2675	.2303	4.861	.5500	.0872	14.54
#1	3994.	404.2	100.1	37.74	607.1	2.203
#2	3991.	406.0	107.0	38.01	608.0	1.684
#3	4011.	404.7	97.48	38.16	607.9	2.183

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

Sample Name: 460-112203-C-11-A@4      Acquired: 4/19/2016 13:00:50      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.064</b>	<b>-1.412</b>	<b>75.51</b>	<b>608.2</b>	<b>2.662</b>	<b>2.090</b>
Stddev	2.114	1.912	.19	.7	.770	.242
%RSD	69.00	135.4	.2554	.1105	28.91	11.58
#1	1.765	-3.619	75.32	608.2	1.777	2.155
#2	5.503	-.2560	75.51	607.5	3.034	1.822
#3	1.923	-.3622	75.71	608.9	3.175	2.293

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>24.87</b>	<b>29.46</b>	<b>987.0</b>	<b>839.3</b>
Stddev	.74	.18	2.7	7.7
%RSD	2.959	.6119	.2764	.9176
#1	24.15	29.46	985.6	839.3
#2	24.82	29.64	990.1	847.1
#3	25.62	29.28	985.3	831.7

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3050.5</b>	<b>38215.</b>	<b>5198.5</b>
Stddev	24.1	49.	42.5
%RSD	.79024	.12725	.81722
#1	3029.4	38203.	5161.3
#2	3045.3	38173.	5189.4
#3	3076.8	38268.	5244.8

Sample Name: CCB      Acquired: 4/19/2016 13:12:33      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-8.246</b>	<b>.6405</b>	<b>.3537</b>	<b>.1729</b>	<b>.0398</b>	<b>-.0804</b>
Stddev	24.87	1.739	.3735	.0133	.0278	7.580
%RSD	301.6	271.5	105.6	7.665	69.93	9426.
#1	9.759	-1.320	.5238	.1679	.0117	-1.630
#2	2.123	1.245	-.0746	.1879	.0403	8.155
#3	-36.62	1.997	.6118	.1629	.0673	-6.766

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1241</b>	<b>.1862</b>	<b>.0454</b>	<b>.2936</b>	<b>6.263</b>	<b>59.13</b>
Stddev	.0371	.2571	.2767	.3720	9.292	55.33
%RSD	29.91	138.1	609.4	126.7	148.4	93.58
#1	.0814	-.1107	.3607	-.1359	16.96	36.52
#2	.1484	.3382	-.0677	.5039	1.591	122.2
#3	.1424	.3310	-.1569	.5128	.2339	18.69

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-11.95</b>	<b>.0879</b>	<b>4.341</b>	<b>-.1843</b>	<b>.5999</b>	<b>.0948</b>
Stddev	3.44	.0357	5.358	.2168	1.394	1.489
%RSD	28.79	40.67	123.4	117.6	232.3	1571.
#1	-10.11	.1291	7.970	-.0011	.7823	-.3152
#2	-9.823	.0691	-1.813	-.1281	1.894	-1.147
#3	-15.92	.0654	6.865	-.4236	-.8760	1.746

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



Sample Name: CCB      Acquired: 4/19/2016 13:12:33      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-0.0383</b>	<b>-.7076</b>	<b>-.4330</b>	<b>.1501</b>	<b>.2151</b>	<b>1.162</b>
Stddev	1.153	1.754	.2091	.0450	.5031	.391
%RSD	3010.	247.9	48.30	30.00	233.9	33.65
#1	-1.035	-2.365	-.6438	.1583	.7954	1.593
#2	1.224	1.129	-.4298	.1016	-.0976	1.061
#3	-.3038	-.8874	-.2255	.1905	-.0525	.8307

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.8008</b>	<b>.1757</b>	<b>.8862</b>	<b>.3713</b>
Stddev	.3018	.0842	.0559	9.004
%RSD	37.68	47.95	6.304	2425.
#1	-1.112	.2360	.9474	-.3342
#2	-.5091	.2116	.8380	-8.259
#3	-.7817	.0794	.8732	9.708

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	<b>3014.9</b>	<b>37670.</b>	<b>5012.1</b>
Stddev	22.1	500.	80.5
%RSD	.73279	1.3281	1.6069
#1	2990.2	37126.	4940.1
#2	3021.8	37772.	4997.2
#3	3032.8	38111.	5099.1

Sample Name: CCVL      Acquired: 4/19/2016 13:16:42      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>236.9</b>	<b>15.84</b>	<b>9.605</b>	<b>210.0</b>	<b>2.180</b>	<b>5077.</b>
Stddev	48.1	.63	.207	.5	.152	9.
%RSD	20.29	3.982	2.161	.2508	6.964	.1726

#1	292.0	15.12	9.739	209.8	2.354	5087.
#2	203.4	16.10	9.366	209.6	2.110	5073.
#3	215.3	16.30	9.710	210.6	2.076	5071.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.184</b>	<b>53.72</b>	<b>10.75</b>	<b>24.46</b>	<b>155.9</b>	<b>4920.</b>
Stddev	.041	.04	.36	.04	9.2	31.
%RSD	.9842	.0657	3.329	.1755	5.925	.6390

#1	4.201	53.68	11.15	24.50	161.6	4947.
#2	4.137	53.73	10.65	24.42	160.9	4926.
#3	4.215	53.74	10.46	24.47	145.3	4885.

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	<b>4854.</b>	<b>15.91</b>	<b>4980.</b>	<b>43.24</b>	<b>11.84</b>	<b>18.93</b>
Stddev	11.	.05	31.	.13	1.04	1.07
%RSD	.2221	.3115	.6220	.2913	8.763	5.674

#1	4860.	15.94	5016.	43.11	11.30	18.40
#2	4861.	15.93	4960.	43.24	13.03	18.22
#3	4842.	15.85	4965.	43.37	11.17	20.17

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

Sample Name: CCVL      Acquired: 4/19/2016 13:16:42      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.56	23.47	51.07	31.88	49.43	20.46
Stddev	1.58	2.85	.18	.47	.48	.14
%RSD	8.064	12.16	.3514	1.484	.9711	.6746

#1	20.05	23.66	51.25	31.57	48.93	20.62
#2	17.79	26.22	51.07	32.42	49.89	20.39
#3	20.83	20.52	50.89	31.65	49.45	20.37

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	49.82	21.44	20.91	F 15.32
Stddev	.86	.84	.12	18.39
%RSD	1.727	3.919	.5620	120.1

#1	50.81	22.41	20.78	2.004
#2	49.44	21.00	20.95	7.649
#3	49.21	20.91	21.00	36.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2968.7	37073.	4994.4
Stddev	13.4	237.	47.4
%RSD	.45011	.63975	.94991

#1	2956.8	36801.	4941.1
#2	2966.0	37178.	5010.2
#3	2983.1	37239.	5031.9

Sample Name: LCSSRM 460-362854/2-      Acquired: 4/19/2016 13:22:29      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>34950.</b>	<b>688.0</b>	<b>148.3</b>	<b>1075.</b>	<b>496.5</b>	<b>28440.</b>
Stddev	121.	5.0	1.1	1.	2.6	153.
%RSD	.3467	.7249	.7652	.0977	.5145	.5384
#1	34860.	687.2	148.3	1076.	494.1	28490.
#2	35090.	683.4	149.4	1076.	499.2	28560.
#3	34910.	693.3	147.1	1074.	496.3	28270.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>475.6</b>	<b>862.3</b>	<b>758.5</b>	<b>894.6</b>	<b>66560.</b>	<b>10810.</b>
Stddev	.7	1.8	4.7	3.2	50.	44.
%RSD	.1413	.2144	.6244	.3616	.0750	.4109
#1	475.6	862.5	761.0	890.9	66610.	10760.
#2	475.0	860.4	761.4	896.4	66560.	10820.
#3	476.3	864.1	753.0	896.6	66510.	10840.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>11820.</b>	<b>1530.</b>	<b>4281.</b>	<b>745.4</b>	<b>763.0</b>	<b>340.5</b>
Stddev	63.	4.	20.	1.2	3.5	1.7
%RSD	.5367	.2588	.4676	.1614	.4574	.5080
#1	11840.	1529.	4268.	745.9	763.4	338.9
#2	11870.	1534.	4304.	744.0	766.3	340.4
#3	11750.	1526.	4272.	746.3	759.3	342.3

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

Sample Name: LCSSRM 460-362854/2-      Acquired: 4/19/2016 13:22:29      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	872.3	801.2	561.2	1003.	646.8	606.1
Stddev	4.7	2.7	1.5	5.	3.3	1.4
%RSD	.5386	.3384	.2638	.5270	.5043	.2332
#1	873.1	802.3	559.9	1009.	644.2	605.5
#2	867.2	798.1	562.8	999.4	645.7	605.0
#3	876.5	803.1	560.9	1001.	650.5	607.7

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	737.1	534.2	1399.	1136.
Stddev	1.2	1.3	3.	31.
%RSD	.1694	.2484	.1976	2.698
#1	738.2	532.7	1396.	1118.
#2	735.7	535.1	1400.	1119.
#3	737.4	534.9	1401.	1171.

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	3080.8	38701.	5319.9
Stddev	32.0	677.	116.9
%RSD	1.0375	1.7506	2.1975
#1	3045.4	38285.	5262.9
#2	3089.6	38334.	5242.3
#3	3107.5	39483.	5454.3

Sample Name: 460-112203-C-13-A@4      Acquired: 4/19/2016 13:26:24      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>62590.</b>	<b>102.1</b>	<b>1.773</b>	<b>950.3</b>	<b>3.326</b>	<b>6478.</b>
Stddev	212.	1.7	.317	.3	.073	21.
%RSD	.3384	1.703	17.85	.0272	2.211	.3181
#1	62810.	101.6	1.542	950.3	3.281	6462.
#2	62380.	100.7	2.134	950.6	3.287	6470.
#3	62590.	104.1	1.645	950.1	3.411	6501.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.554</b>	<b>54.08</b>	<b>141.0</b>	<b>351.2</b>	<b>118300.</b>	<b>4047.</b>
Stddev	.049	.11	.2	.2	288.	20.
%RSD	1.915	.2060	.1297	.0493	.2431	.4820
#1	2.538	54.02	140.8	351.4	118300.	4055.
#2	2.515	54.21	141.2	351.0	118600.	4025.
#3	2.609	54.01	141.1	351.3	118100.	4061.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>9798.</b>	<b>1060.</b>	<b>178.3</b>	<b>75.14</b>	<b>1818.</b>	<b>6.687</b>
Stddev	10.	2.	7.2	.20	4.	.506
%RSD	.0985	.1565	4.034	.2605	.1926	7.572
#1	9793.	1058.	172.4	75.01	1815.	6.243
#2	9792.	1060.	186.3	75.36	1818.	6.579
#3	9809.	1062.	176.2	75.04	1822.	7.239

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

Sample Name: 460-112203-C-13-A@4      Acquired: 4/19/2016 13:26:24      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.16	-5470	186.1	1695.	5.254	4.892
Stddev	2.02	.5851	.6	4.	.449	.141
%RSD	13.31	107.0	.3469	.2446	8.553	2.877
#1	13.13	-5267	186.8	1691.	5.754	4.743
#2	15.19	-1.142	185.7	1695.	5.126	4.911
#3	17.17	.0277	185.7	1699.	4.883	5.023

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	44.63	53.92	2264.	998.1
Stddev	.59	.09	2.	11.3
%RSD	1.313	.1695	.0983	1.127
#1	44.03	53.92	2266.	985.4
#2	44.65	54.02	2266.	1002.
#3	45.21	53.83	2262.	1007.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3091.1	38927.	5363.6
Stddev	5.2	92.	11.4
%RSD	.16971	.23542	.21256
#1	3091.2	38994.	5351.0
#2	3096.3	38823.	5373.2
#3	3085.9	38966.	5366.7

Sample Name: 460-112203-C-14-A@4      Acquired: 4/19/2016 13:30:32      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>72930.</b>	<b>58.34</b>	<b>.8972</b>	<b>480.9</b>	<b>3.426</b>	<b>5872.</b>
Stddev	272.	1.82	.3626	1.5	.050	17.
%RSD	.3732	3.126	40.42	.3071	1.464	.2951
#1	73220.	58.52	.4965	482.4	3.471	5852.
#2	72680.	56.43	.9925	479.5	3.372	5882.
#3	72870.	60.06	1.203	480.7	3.436	5882.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1130</b>	<b>38.97</b>	<b>147.0</b>	<b>172.8</b>	<b>130900.</b>	<b>4672.</b>
Stddev	.0326	.21	.7	.6	22.	24.
%RSD	28.86	.5402	.4492	.3633	.0167	.5098
#1	.1064	38.94	146.8	172.2	130900.	4665.
#2	.1483	39.20	147.7	173.4	130900.	4699.
#3	.0842	38.78	146.4	172.6	130900.	4653.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>10970.</b>	<b>759.4</b>	<b>162.2</b>	<b>69.05</b>	<b>761.1</b>	<b>4.019</b>
Stddev	44.	.8	2.6	.42	2.5	1.061
%RSD	.4009	.1033	1.633	.6059	.3223	26.39
#1	10970.	759.3	163.4	69.27	761.3	4.231
#2	10930.	758.7	164.0	68.56	763.5	2.868
#3	11010.	760.3	159.1	69.30	758.6	4.958

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



Sample Name: 460-112203-C-14-A@4      Acquired: 4/19/2016 13:30:32      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>12.38</b>	<b>-1.471</b>	<b>204.4</b>	<b>1063.</b>	<b>5.504</b>	<b>4.586</b>
Stddev	1.06	1.748	.2	1.	.207	.159
%RSD	8.548	118.8	.0897	.0566	3.756	3.472
#1	13.32	.4846	204.6	1062.	5.637	4.404
#2	11.24	-2.016	204.4	1063.	5.266	4.654
#3	12.60	-2.882	204.3	1062.	5.609	4.700

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>20.12</b>	<b>46.55</b>	<b>2564.</b>	<b>1000.</b>
Stddev	1.41	.08	2.	9.
%RSD	7.022	.1685	.0924	.9185
#1	20.30	46.46	2562.	994.3
#2	21.44	46.61	2562.	1011.
#3	18.63	46.58	2566.	995.2

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	<b>3049.7</b>	<b>38207.</b>	<b>5285.0</b>
Stddev	3.7	39.	28.0
%RSD	.12082	.10176	.53046
#1	3046.4	38187.	5254.8
#2	3048.9	38183.	5290.1
#3	3053.7	38252.	5310.2

Sample Name: 460-112203-B-15-A@4      Acquired: 4/19/2016 13:34:27      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>58850.</b>	<b>49.50</b>	<b>1.374</b>	<b>538.0</b>	<b>2.789</b>	<b>4059.</b>
Stddev	143.	.68	.690	1.4	.074	11.
%RSD	.2421	1.367	50.26	.2648	2.642	.2733
#1	58950.	48.92	2.045	536.4	2.733	4049.
#2	58910.	50.24	1.410	538.7	2.761	4057.
#3	58690.	49.33	.6660	538.9	2.872	4071.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.2439</b>	<b>41.66</b>	<b>124.6</b>	<b>158.4</b>	<b>96820.</b>	<b>3359.</b>
Stddev	.2004	.44	.4	.6	210.	29.
%RSD	82.18	1.052	.3166	.3841	.2166	.8767
#1	.0834	41.23	124.7	158.8	97070.	3346.
#2	.1797	41.64	124.2	158.7	96700.	3338.
#3	.4686	42.11	125.0	157.7	96700.	3393.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>8764.</b>	<b>855.5</b>	<b>147.7</b>	<b>63.10</b>	<b>900.1</b>	<b>4.539</b>
Stddev	9.	.6	8.3	.47	5.1	.372
%RSD	.1081	.0741	5.642	.7423	.5612	8.199
#1	8753.	855.9	155.1	63.59	894.3	4.418
#2	8771.	854.8	149.2	62.65	902.5	4.957
#3	8767.	855.8	138.7	63.07	903.5	4.243

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

Sample Name: 460-112203-B-15-A@4      Acquired: 4/19/2016 13:34:27      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>11.59</b>	<b>-3.639</b>	<b>162.2</b>	<b>880.9</b>	<b>3.352</b>	<b>3.548</b>
Stddev	.92	.753	.4	1.8	.362	.165
%RSD	7.897	20.69	.2204	.2004	10.80	4.657
#1	10.58	-3.043	162.6	879.1	3.216	3.690
#2	12.36	-3.388	162.0	881.0	3.762	3.587
#3	11.82	-4.485	162.0	882.7	3.077	3.367

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>26.59</b>	<b>27.60</b>	<b>2122.</b>	<b>880.7</b>
Stddev	.64	.12	2.	22.9
%RSD	2.420	.4518	.0898	2.605
#1	26.75	27.59	2124.	860.2
#2	27.14	27.73	2121.	905.5
#3	25.88	27.48	2121.	876.4

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3064.8</b>	<b>38083.</b>	<b>5215.6</b>
Stddev	1.8	366.	49.3
%RSD	.05840	.96204	.94492
#1	3066.9	37726.	5159.1
#2	3064.0	38458.	5249.6
#3	3063.6	38064.	5238.2

Sample Name: 460-112203-D-16-A@4      Acquired: 4/19/2016 13:38:23      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>67590.</b>	<b>19.31</b>	<b>.0102</b>	<b>258.4</b>	<b>2.882</b>	<b>3170.</b>
Stddev	20.	1.53	.2066	.7	.049	7.
%RSD	.0299	7.902	2018.	.2840	1.694	.2140
#1	67570.	19.56	.2488	258.3	2.929	3162.
#2	67590.	20.69	-.1108	257.7	2.832	3176.
#3	67610.	17.67	-.1073	259.2	2.884	3172.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.214</b>	<b>30.98</b>	<b>119.8</b>	<b>59.28</b>	<b>107200.</b>	<b>3698.</b>
Stddev	.091	.39	.7	.09	140.	42.
%RSD	7.518	1.251	.5888	.1505	.1304	1.142
#1	-1.233	31.41	119.4	59.24	107000.	3732.
#2	-1.294	30.64	119.4	59.23	107300.	3651.
#3	-1.115	30.90	120.6	59.39	107300.	3713.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>8852.</b>	<b>497.1</b>	<b>165.8</b>	<b>73.79</b>	<b>335.2</b>	<b>3.851</b>
Stddev	4.	.3	.9	.78	1.1	.950
%RSD	.0464	.0699	.5270	1.062	.3392	24.68
#1	8851.	496.7	165.5	73.34	336.4	4.457
#2	8856.	497.2	165.2	73.34	334.9	4.340
#3	8848.	497.3	166.8	74.70	334.2	2.755

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

Sample Name: 460-112203-D-16-A@4      Acquired: 4/19/2016 13:38:23      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>10.25</b>	<b>-3.584</b>	<b>178.6</b>	<b>303.3</b>	<b>2.823</b>	<b>3.182</b>
Stddev	2.24	2.381	.6	1.3	.547	.074
%RSD	21.87	66.43	.3505	.4177	19.39	2.339
#1	12.35	-2.618	178.1	303.5	2.446	3.268
#2	7.888	-1.839	178.4	301.9	2.571	3.140
#3	10.51	-6.296	179.3	304.4	3.451	3.139

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>12.28</b>	<b>24.52</b>	<b>2469.</b>	<b>904.7</b>
Stddev	1.29	.12	5.	7.1
%RSD	10.51	.4770	.1886	.7814
#1	13.39	24.50	2463.	912.1
#2	12.59	24.65	2471.	898.1
#3	10.86	24.42	2472.	903.9

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3055.9</b>	<b>38254.</b>	<b>5290.2</b>
Stddev	8.8	16.	28.8
%RSD	.28849	.04145	.54516
#1	3045.7	38272.	5294.8
#2	3060.8	38242.	5316.5
#3	3061.1	38249.	5259.4

Sample Name: LCS 460-363007/2-A@2      Acquired: 4/19/2016 13:58:42      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2412.	2325.	234.5	5012.	491.2	9659.
Stddev	21.	10.	.6	4.	1.1	26.
%RSD	.8840	.4233	.2389	.0856	.2172	.2712
#1	2402.	2330.	234.6	5017.	491.7	9655.
#2	2436.	2333.	235.0	5010.	491.8	9688.
#3	2397.	2314.	233.9	5010.	489.9	9636.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	517.6	532.7	2462.	491.3	481.3	9367.
Stddev	.9	1.1	7.	.6	3.0	25.
%RSD	.1670	.2108	.2874	.1162	.6209	.2647
#1	517.9	533.3	2462.	491.5	482.0	9394.
#2	518.3	533.5	2470.	490.7	483.8	9360.
#3	516.6	531.4	2456.	491.8	478.0	9346.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9417.	522.1	9598.	535.9	2552.	460.7
Stddev	53.	.8	23.	1.1	7.	1.6
%RSD	.5649	.1580	.2352	.2041	.2801	.3569
#1	9462.	522.9	9605.	535.8	2560.	462.3
#2	9431.	522.3	9616.	537.0	2551.	461.0
#3	9358.	521.2	9573.	534.8	2546.	459.0

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

Sample Name: LCS 460-363007/2-A@2      Acquired: 4/19/2016 13:58:42      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>487.8</b>	<b>545.1</b>	<b>244.2</b>	<b>528.2</b>	<b>482.4</b>	<b>491.0</b>
Stddev	3.4	1.2	1.2	1.3	1.9	.7
%RSD	.6975	.2126	.5042	.2443	.3993	.1478
#1	487.7	544.6	245.5	529.6	482.9	490.8
#2	491.3	544.3	243.9	527.1	484.0	491.8
#3	484.5	546.4	243.1	527.8	480.2	490.4

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>495.4</b>	<b>493.0</b>	<b>490.3</b>	<b>42.66</b>
Stddev	1.5	.4	.1	9.83
%RSD	.3100	.0724	.0142	23.04
#1	497.0	493.4	490.2	50.07
#2	494.0	492.9	490.4	31.51
#3	495.3	492.8	490.3	46.39

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2968.9</b>	<b>37158.</b>	<b>5048.3</b>
Stddev	19.3	243.	50.3
%RSD	.65135	.65333	.99554
#1	2953.3	37270.	5066.7
#2	2962.9	36879.	4991.5
#3	2990.5	37324.	5086.9

Sample Name: CCB      Acquired: 4/19/2016 14:06:24      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-23.02</b>	<b>-.2464</b>	<b>.5513</b>	<b>1.209</b>	<b>-.0149</b>	<b>24.73</b>
Stddev	16.72	1.604	.5722	1.683	.0741	54.34
%RSD	72.63	651.1	103.8	139.2	496.5	219.7
#1	-22.65	.0226	.1180	.0303	.0149	-5.750
#2	-6.487	-1.968	1.200	.4608	.0396	87.47
#3	-39.92	1.206	.3361	3.137	-.0993	-7.517

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.2670</b>	<b>.4473</b>	<b>2.105</b>	<b>3.116</b>	<b>18.86</b>	<b>35.80</b>
Stddev	.2349	.4291	2.545	5.570	45.58	19.55
%RSD	87.95	95.93	120.9	178.8	241.6	54.61
#1	.0912	.3035	.5100	-.0569	.3268	13.23
#2	.1762	.1086	5.040	9.547	70.79	46.75
#3	.5338	.9298	.7657	-.1432	-14.53	47.43

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>14.85</b>	<b>1.467</b>	<b>-4.292</b>	<b>.4876</b>	<b>-.5599</b>	<b>.1199</b>
Stddev	54.02	2.398	6.307	.6191	2.210	1.448
%RSD	363.9	163.5	146.9	127.0	394.8	1208.
#1	-14.25	.0172	2.505	.1404	-1.534	-.0078
#2	77.18	4.235	-5.428	.1200	-2.116	1.628
#3	-18.39	.1490	-9.954	1.202	1.970	-1.260

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



Sample Name: CCB      Acquired: 4/19/2016 14:06:24      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.934</b>	<b>.4647</b>	<b>.6264</b>	<b>.5334</b>	<b>.7076</b>	<b>1.243</b>
Stddev	1.093	1.296	1.163	.4256	.3836	.291
%RSD	56.53	278.9	185.7	79.79	54.21	23.39
#1	-1.077	-1.030	.3104	.0678	1.131	1.436
#2	-3.165	1.267	1.915	.6299	.6095	.9087
#3	-1.560	1.157	-.3464	.9024	.3826	1.384

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.2140</b>	<b>.1318</b>	<b>3.248</b>	<b>17.91</b>
Stddev	.9037	.0965	4.267	11.88
%RSD	422.4	73.28	131.4	66.33
#1	.9215	.0865	.6881	25.00
#2	-.8040	.0661	8.173	4.195
#3	.5244	.2426	.8822	24.53

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	<b>2985.3</b>	<b>37347.</b>	<b>5023.0</b>
Stddev	14.1	235.	82.7
%RSD	.47127	.62799	1.6468
#1	2998.2	37617.	5041.2
#2	2987.4	37187.	5095.1
#3	2970.3	37239.	4932.7

Sample Name: 460-112203-C-17-A@4      Acquired: 4/19/2016 13:42:22      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>49710.</b>	<b>49.75</b>	<b>.2292</b>	<b>391.6</b>	<b>2.540</b>	<b>3271.</b>
Stddev	219.	1.79	.4144	1.7	.032	30.
%RSD	.4397	3.605	180.8	.4285	1.241	.9203

#1	49940.	49.84	.6280	392.2	2.531	3241.
#2	49680.	47.92	.2588	392.9	2.515	3271.
#3	49510.	51.50	-.1993	389.7	2.576	3301.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0653</b>	<b>36.37</b>	<b>97.50</b>	<b>150.5</b>	<b>79810.</b>	<b>3752.</b>
Stddev	.0972	.30	.70	.4	62.	44.
%RSD	148.9	.8341	.7195	.2736	.0781	1.164

#1	-.1281	36.37	96.76	150.3	79840.	3780.
#2	.0467	36.68	97.58	150.2	79840.	3701.
#3	-.1145	36.07	98.16	151.0	79730.	3773.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>7400.</b>	<b>788.4</b>	<b>159.4</b>	<b>51.35</b>	<b>620.5</b>	<b>5.032</b>
Stddev	27.	1.0	2.0	.10	3.3	1.545
%RSD	.3678	.1259	1.260	.1957	.5252	30.70

#1	7371.	787.3	158.2	51.45	617.9	3.319
#2	7403.	789.1	161.8	51.25	619.4	5.456
#3	7425.	788.9	158.4	51.35	624.2	6.320

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

Sample Name: 460-112203-C-17-A@4      Acquired: 4/19/2016 13:42:22      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>7.051</b>	<b>-3.135</b>	<b>147.5</b>	<b>546.6</b>	<b>4.691</b>	<b>2.967</b>
Stddev	1.964	1.540	.3	3.1	.507	.099
%RSD	27.86	49.13	.2372	.5687	10.80	3.351
#1	6.442	-3.270	147.9	543.4	4.218	2.984
#2	9.248	-1.532	147.2	546.8	5.225	3.057
#3	5.464	-4.603	147.6	549.6	4.631	2.860

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>18.06</b>	<b>24.19</b>	<b>1837.</b>	<b>904.5</b>
Stddev	.83	.01	2.	2.4
%RSD	4.585	.0440	.1060	.2703
#1	17.48	24.20	1838.	904.5
#2	17.70	24.18	1838.	906.9
#3	19.01	24.18	1835.	902.0

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3068.2</b>	<b>38275.</b>	<b>5289.0</b>
Stddev	6.9	51.	13.3
%RSD	.22329	.13316	.25069
#1	3069.2	38257.	5298.8
#2	3074.5	38333.	5273.9
#3	3060.9	38236.	5294.3

Sample Name: sd 460-112259-E-5-A@ Acquired: 4/19/2016 13:46:21 Type: Unk  
 Method: sw04052016(v13) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>31.12</b>	<b>-.1942</b>	<b>-.0422</b>	<b>50.83</b>	<b>-.0226</b>	<b>4447.</b>
Stddev	43.10	.4222	.1801	.05	.0608	9.
%RSD	138.5	217.4	426.5	.0975	268.4	.2089
#1	12.34	-.0308	-.1256	50.77	-.0257	4440.
#2	.5948	.1219	.1645	50.86	.0396	4458.
#3	80.43	-.6738	-.1656	50.85	-.0818	4445.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0191</b>	<b>1.922</b>	<b>.2184</b>	<b>.6419</b>	<b>2748.</b>	<b>763.5</b>
Stddev	.0920	.038	.3162	.1714	18.	14.8
%RSD	482.2	1.996	144.8	26.70	.6526	1.943
#1	.0869	1.901	-.1362	.5662	2735.	747.4
#2	-.0658	1.898	.3205	.5213	2741.	766.5
#3	-.0784	1.966	.4708	.8381	2769.	776.6

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2846.</b>	<b>320.8</b>	<b>4758.</b>	<b>-.1484</b>	<b>-.6005</b>	<b>.6923</b>
Stddev	6.	.7	21.	.1975	.8244	.8181
%RSD	.1935	.2261	.4347	133.1	137.3	118.2
#1	2847.	321.2	4782.	.0744	-1.376	1.083
#2	2852.	321.2	4748.	-.2175	.2653	1.242
#3	2841.	319.9	4745.	-.3019	-.6909	-.2478

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

Sample Name: sd 460-112259-E-5-A@      Acquired: 4/19/2016 13:46:21      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.220</b>	<b>1.133</b>	<b>.2111</b>	<b>.7783</b>	<b>4.629</b>	<b>-.1685</b>
Stddev	1.356	1.113	.5989	.2446	.364	.1084
%RSD	42.12	98.28	283.6	31.42	7.857	64.32
#1	1.960	.5452	-.4489	.6916	4.925	-.0517
#2	3.043	.4362	.7197	1.054	4.738	-.1879
#3	4.655	2.416	.3626	.5889	4.223	-.2659

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.0395</b>	<b>41.52</b>	<b>.3589</b>	<b>774.0</b>
Stddev	.2005	.24	.1513	8.4
%RSD	507.4	.5749	42.15	1.084
#1	.0960	41.32	.5333	764.8
#2	-.2699	41.47	.2633	781.2
#3	.0553	41.79	.2801	776.0

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3010.1</b>	<b>37567.</b>	<b>5083.0</b>
Stddev	34.1	252.	76.9
%RSD	1.1324	.67053	1.5122
#1	2993.8	37449.	5006.3
#2	2987.2	37397.	5082.7
#3	3049.3	37857.	5160.0

Sample Name: 460-111770-d-1-b      Acquired: 4/19/2016 13:50:25      Type: Unk

Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>53.34</b>	<b>-1.1391</b>	<b>.2588</b>	<b>4.123</b>	<b>.0826</b>	<b>2513.</b>
Stddev	36.19	1.800	.1245	.073	.0648	14.
%RSD	67.84	1294.	48.11	1.773	78.49	.5524

#1	94.53	-2.201	.1569	4.084	.0752	2527.
#2	26.68	1.115	.2219	4.078	.0218	2512.
#3	38.81	.6684	.3976	4.207	.1508	2499.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1055</b>	<b>.0375</b>	<b>.2175</b>	<b>8.070</b>	<b>18.83</b>	<b>769.2</b>
Stddev	.0218	.1103	.1403	.217	6.57	2.2
%RSD	20.68	294.0	64.50	2.689	34.88	.2814

#1	.0827	.0939	.1558	8.321	13.98	767.4
#2	.1076	.1083	.3780	7.939	26.30	768.6
#3	.1262	-.0896	.1186	7.951	16.21	771.6

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>713.4</b>	<b>16.99</b>	<b>9379.</b>	<b>1.999</b>	<b>-.6036</b>	<b>-.0574</b>
Stddev	2.1	.12	6.	.593	1.368	1.464
%RSD	.2897	.7017	.0635	29.65	226.5	2552.

#1	713.0	17.00	9376.	2.434	-1.276	-1.564
#2	715.6	17.11	9386.	1.324	.9699	.0331
#3	711.5	16.87	9375.	2.239	-1.505	1.359

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

Sample Name: 460-111770-d-1-b      Acquired: 4/19/2016 13:50:25      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-2.087</b>	<b>2.126</b>	<b>.7682</b>	<b>36.15</b>	<b>4.869</b>	<b>.7950</b>
Stddev	.718	1.143	.1091	.10	.434	.1156
%RSD	34.39	53.77	14.20	.2903	8.916	14.55
#1	-1.316	2.704	.6438	36.15	4.542	.8897
#2	-2.209	2.866	.8475	36.26	4.703	.8291
#3	-2.736	.8093	.8133	36.05	5.361	.6661

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.5865</b>	<b>9.053</b>	<b>.6237</b>	<b>145.2</b>
Stddev	.3892	.110	.0379	13.6
%RSD	66.37	1.216	6.072	9.336
#1	-0.2760	9.173	.6669	130.4
#2	-0.4602	8.957	.5959	148.1
#3	-1.023	9.030	.6084	157.1

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3044.0</b>	<b>38069.</b>	<b>5196.2</b>
Stddev	19.2	259.	51.8
%RSD	.63233	.67973	.99685
#1	3064.9	38007.	5228.3
#2	3040.1	38353.	5136.4
#3	3027.0	37847.	5223.8

Sample Name: MB 460-363007/1-A      Acquired: 4/19/2016 13:54:33      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-19.17</b>	<b>-.0783</b>	<b>.2360</b>	<b>-.0664</b>	<b>.1269</b>	<b>-10.55</b>
Stddev	5.45	1.238	.2116	.0445	.0654	4.37
%RSD	28.42	1582.	89.64	67.09	51.55	41.40
#1	-16.68	-1.451	.3776	-.0150	.0635	-15.53
#2	-25.42	.2608	.3377	-.0935	.1941	-8.713
#3	-15.42	.9549	-.0072	-.0907	.1230	-7.395

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0038</b>	<b>-.2644</b>	<b>.1242</b>	<b>-.1748</b>	<b>-1.503</b>	<b>16.31</b>
Stddev	.1527	.1192	.1728	.5265	9.570	29.85
%RSD	4045.	45.07	139.2	301.3	636.7	183.0
#1	.0856	-.2857	.0628	.3401	-12.44	39.41
#2	-.1800	-.3715	-.0095	-.1522	2.611	-17.39
#3	.0831	-.1360	.3192	-.7122	5.322	26.90

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-13.45</b>	<b>-.0213</b>	<b>-12.26</b>	<b>-.3650</b>	<b>-.6427</b>	<b>-.4020</b>
Stddev	4.98	.0503	7.18	.1473	1.850	.2692
%RSD	37.02	235.9	58.58	40.37	287.9	66.95
#1	-8.110	-.0508	-5.194	-.2161	-1.669	-.1055
#2	-14.29	-.0500	-19.55	-.3681	-1.752	-.4697
#3	-17.97	.0368	-12.03	-.5108	1.493	-.6309

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



Sample Name: MB 460-363007/1-A      Acquired: 4/19/2016 13:54:33      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0422</b>	<b>.8412</b>	<b>-.2079</b>	<b>.6005</b>	<b>-1.274</b>	<b>-.3036</b>
Stddev	2.858	1.061	.3670	.0737	.464	.1223
%RSD	6766.	126.1	176.5	12.27	36.40	40.27
#1	-3.219	2.004	-.0312	.5967	-1.043	-.3888
#2	2.110	-.0747	-.6298	.6760	-1.808	-.3585
#3	1.236	.5945	.0373	.5288	-.9713	-.1635

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.1129</b>	<b>.0911</b>	<b>.1308</b>	<b>30.89</b>
Stddev	.5905	.0543	.1493	1.81
%RSD	522.8	59.57	114.1	5.851
#1	-.6204	.0884	-.0375	29.80
#2	.5351	.1467	.2470	32.98
#3	-.2536	.0382	.1829	29.89

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2991.9</b>	<b>37306.</b>	<b>5058.1</b>
Stddev	5.3	148.	22.9
%RSD	.17658	.39609	.45255
#1	2997.2	37475.	5042.1
#2	2986.6	37239.	5084.3
#3	2991.8	37203.	5047.8

Sample Name: CCV      Acquired: 4/19/2016 14:02:31      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122500.	2418.	1206.	9907.	995.8	122200.
Stddev	332.	3.	3.	11.	1.2	399.
%RSD	.2713	.1124	.2152	.1080	.1209	.3260

#1	122400.	2417.	1203.	9896.	994.5	121800.
#2	122300.	2416.	1206.	9906.	996.0	122300.
#3	122900.	2421.	1208.	9918.	996.8	122600.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1235.	2476.	4912.	12270.	99470.	48950.
Stddev	2.	2.	21.	11.	403.	105.
%RSD	.1564	.0860	.4301	.0890	.4047	.2139

#1	1233.	2478.	4888.	12280.	99070.	48990.
#2	1236.	2474.	4920.	12260.	99470.	48840.
#3	1237.	2477.	4929.	12260.	99880.	49040.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121200.	4967.	123600.	2477.	7409.	976.8
Stddev	384.	14.	292.	4.	10.	3.7
%RSD	.3171	.2811	.2362	.1572	.1369	.3782

#1	120900.	4953.	123600.	2473.	7398.	979.3
#2	121100.	4965.	123300.	2480.	7415.	978.4
#3	121600.	4981.	123900.	2479.	7415.	972.5

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

Sample Name: CCV      Acquired: 4/19/2016 14:02:31      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2429.</b>	<b>2516.</b>	<b>2464.</b>	<b>2490.</b>	<b>981.8</b>	<b>2467.</b>
Stddev	7.	1.	5.	3.	1.5	5.
%RSD	.2782	.0539	.1916	.1131	.1507	.1829

#1	2430.	2517.	2458.	2491.	980.4	2462.
#2	2435.	2515.	2464.	2487.	981.8	2469.
#3	2421.	2514.	2468.	2493.	983.3	2469.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>990.5</b>	<b>4978.</b>	<b>9882.</b>	<b>9735.</b>
Stddev	1.1	11.	88.	41.
%RSD	.1090	.2126	.8906	.4197

#1	990.1	4987.	9940.	9765.
#2	991.8	4967.	9924.	9688.
#3	989.8	4982.	9780.	9751.

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	<b>2820.6</b>	<b>35499.</b>	<b>4976.1</b>
Stddev	3.3	109.	18.1
%RSD	.11822	.30575	.36320

#1	2824.2	35624.	4996.9
#2	2820.2	35429.	4967.5
#3	2817.5	35443.	4964.0

Sample Name: CCVL      Acquired: 4/19/2016 14:10:35      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>196.0</b>	<b>14.51</b>	<b>10.07</b>	<b>208.1</b>	<b>2.112</b>	<b>5002.</b>
Stddev	11.4	2.13	.06	.5	.063	4.
%RSD	5.797	14.71	.5748	.2362	2.997	.0735

#1	184.6	16.87	10.08	208.2	2.045	5006.
#2	207.3	13.94	10.13	208.5	2.121	5001.
#3	196.2	12.72	10.01	207.6	2.170	4999.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.168</b>	<b>52.94</b>	<b>10.88</b>	<b>25.30</b>	<b>161.3</b>	<b>4865.</b>
Stddev	.039	.21	.86	1.40	17.4	42.
%RSD	.9330	.3992	7.861	5.519	10.80	.8576

#1	4.208	52.90	10.73	24.64	159.9	4817.
#2	4.165	53.17	10.11	24.36	144.6	4891.
#3	4.131	52.75	11.80	26.90	179.4	4887.

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	<b>4778.</b>	<b>16.12</b>	<b>4925.</b>	<b>42.54</b>	<b>10.70</b>	<b>18.69</b>
Stddev	4.	.64	12.	.27	.15	.29
%RSD	.0810	3.973	.2425	.6440	1.366	1.545

#1	4777.	15.75	4938.	42.70	10.62	18.98
#2	4783.	15.74	4914.	42.71	10.87	18.41
#3	4775.	16.86	4922.	42.23	10.61	18.68

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

Sample Name: CCVL      Acquired: 4/19/2016 14:10:35      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.90	22.73	50.49	31.41	50.15	20.37
Stddev	3.35	1.08	.35	.13	.10	.17
%RSD	16.81	4.772	.6997	.4203	.2028	.8243

#1	19.41	23.93	50.83	31.52	50.05	20.47
#2	23.46	21.81	50.13	31.45	50.26	20.18
#3	16.82	22.44	50.50	31.26	50.15	20.47

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	50.07	20.53	21.30	F 21.93
Stddev	1.04	.05	1.26	6.32
%RSD	2.070	.2393	5.904	28.83

#1	48.92	20.52	20.70	18.87
#2	50.93	20.49	20.46	17.72
#3	50.36	20.59	22.74	29.20

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2972.3	37191.	5009.9
Stddev	7.4	110.	45.6
%RSD	.25023	.29545	.91030

#1	2964.1	37065.	4958.5
#2	2978.6	37246.	5025.8
#3	2974.2	37263.	5045.5

Sample Name: 460-112146-A-1-C DU      Acquired: 4/19/2016 14:16:45      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>293.1</b>	<b>.5059</b>	<b>.6746</b>	<b>73.10</b>	<b>.1094</b>	<b>73260.</b>
Stddev	11.2	.9046	.3232	.18	.1203	145.
%RSD	3.805	178.8	47.91	.2470	110.0	.1984
#1	301.4	1.549	.6929	72.89	.1240	73100.
#2	297.4	.0392	.3426	73.22	.2216	73390.
#3	280.4	-.0701	.9882	73.18	-.0176	73280.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>30.93</b>	<b>54.23</b>	<b>9.261</b>	<b>9.232</b>	<b>1231.</b>	<b>1320.</b>
Stddev	.13	.24	.160	1.151	7.	7.
%RSD	.4339	.4415	1.729	12.47	.5558	.5390
#1	30.79	53.99	9.285	10.56	1236.	1314.
#2	31.05	54.23	9.090	8.630	1223.	1318.
#3	30.97	54.47	9.407	8.506	1234.	1328.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1938.</b>	<b>801.1</b>	<b>F 287500.</b>	<b>79.01</b>	<b>4472.</b>	<b>10.22</b>
Stddev	10.	1.3	2107.	.17	3.	.59
%RSD	.5213	.1628	.7329	.2204	.0669	5.729
#1	1944.	799.7	289800.	78.92	4474.	9.724
#2	1945.	802.3	285600.	79.21	4474.	10.86
#3	1927.	801.1	287000.	78.89	4469.	10.06

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

Sample Name: 460-112146-A-1-C DU      Acquired: 4/19/2016 14:16:45      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.270	-1.225	.0955	F 10070.	65.24	-1.937
Stddev	1.545	.699	.5525	8.	.02	.382
%RSD	121.6	57.09	578.4	.0804	.0291	19.71
#1	-3.054	-1.949	.6671	10060.	65.22	-1.882
#2	-.3726	-1.174	-.4357	10080.	65.25	-2.344
#3	-.3840	-.5531	.0552	10080.	65.24	-1.586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1985	238.1	2.797	641.8
Stddev	.5475	.5	1.005	21.7
%RSD	275.8	.2242	35.92	3.386
#1	.1888	238.7	3.591	617.2
#2	-.3440	238.1	1.667	649.9
#3	.7508	237.6	3.133	658.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2863.3	36008.	5141.4
Stddev	12.7	158.	19.3
%RSD	.44180	.43945	.37471
#1	2877.7	36190.	5163.3
#2	2854.1	35936.	5133.6
#3	2858.0	35899.	5127.3

Sample Name: 460-112146-A-1-B@5      Acquired: 4/19/2016 14:20:55      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>289.9</b>	<b>.4115</b>	<b>.1540</b>	<b>72.87</b>	<b>.1341</b>	<b>73580.</b>
Stddev	12.9	1.246	.2765	.09	.0548	354.
%RSD	4.452	302.8	179.6	.1216	40.87	.4813

#1	277.5	.6994	.4528	72.86	.1214	73300.
#2	288.9	-.9535	-.0930	72.78	.1942	73460.
#3	303.3	1.489	.1021	72.96	.0868	73980.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>30.97</b>	<b>54.27</b>	<b>8.636</b>	<b>8.767</b>	<b>1225.</b>	<b>1322.</b>
Stddev	.22	.38	.272	.021	12.	14.
%RSD	.6962	.7073	3.148	.2336	.9719	1.073

#1	30.91	54.28	8.783	8.769	1217.	1320.
#2	30.79	53.89	8.323	8.786	1220.	1337.
#3	31.20	54.66	8.803	8.745	1239.	1309.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1941.</b>	<b>804.0</b>	<b>F 285400.</b>	<b>78.12</b>	<b>4470.</b>	<b>9.042</b>
Stddev	16.	2.9	673.	.40	13.	.834
%RSD	.8380	.3628	.2358	.5150	.2932	9.223

#1	1924.	802.0	286000.	78.37	4467.	8.607
#2	1944.	802.5	285500.	77.65	4459.	8.516
#3	1956.	807.3	284700.	78.33	4485.	10.00

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



Sample Name: 460-112146-A-1-B@5      Acquired: 4/19/2016 14:20:55      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.871	-.3977	.1308	F 10130.	64.48	-1.715
Stddev	3.113	.8353	.1805	16.	.60	.182
%RSD	166.4	210.0	138.0	.1542	.9375	10.64
#1	.9742	-.0496	.2942	10110.	63.83	-1.823
#2	-1.391	.2073	.1611	10140.	65.02	-1.504
#3	-5.196	-1.351	-.0630	10140.	64.59	-1.817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5695	237.7	2.305	634.2
Stddev	.5128	1.1	.735	30.3
%RSD	90.04	.4535	31.89	4.781
#1	1.119	238.0	3.139	666.7
#2	.1035	236.5	2.026	629.1
#3	.4861	238.6	1.751	606.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2851.6	35707.	5089.7
Stddev	8.9	201.	14.5
%RSD	.31085	.56226	.28477
#1	2845.5	35812.	5105.4
#2	2847.6	35834.	5087.1
#3	2861.8	35476.	5076.7

Sample Name: 460-112146-A-1-D MS      Acquired: 4/19/2016 14:29:10      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1298.	1006.	96.92	2099.	204.8	77620.
Stddev	15.	3.	1.12	3.	.7	186.
%RSD	1.144	.3008	1.155	.1613	.3659	.2398

#1	1282.	1006.	95.66	2098.	204.0	77410.
#2	1310.	1008.	97.33	2103.	205.4	77770.
#3	1304.	1002.	97.78	2096.	205.1	77690.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	243.0	269.1	1017.	214.1	1437.	5268.
Stddev	.5	.4	2.	.5	5.	53.
%RSD	.2039	.1562	.2014	.2198	.3744	.9969

#1	242.4	269.2	1015.	213.8	1443.	5209.
#2	243.3	268.7	1019.	214.6	1436.	5309.
#3	243.2	269.5	1017.	213.8	1432.	5287.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5722.	1014.	F 292100.	293.3	5490.	204.0
Stddev	4.	1.	293.	.5	5.	1.5
%RSD	.0678	.1285	.1002	.1704	.0979	.7351

#1	5723.	1012.	292200.	292.7	5487.	203.5
#2	5725.	1015.	292400.	293.6	5496.	205.6
#3	5718.	1014.	291800.	293.5	5486.	202.8

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

Sample Name: 460-112146-A-1-D MS      Acquired: 4/19/2016 14:29:10      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	213.2	208.9	101.7	F 10380.	265.3	199.9
Stddev	1.0	2.3	.1	19.	.8	.2
%RSD	.4558	1.118	.1187	.1786	.2946	.1031
#1	213.4	206.8	101.6	10360.	264.5	200.1
#2	214.0	208.5	101.6	10380.	266.0	199.7
#3	212.1	211.4	101.8	10400.	265.4	199.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	200.2	441.9	207.0	679.6
Stddev	1.4	1.5	.4	8.7
%RSD	.7043	.3346	.1988	1.276
#1	198.6	440.4	207.0	669.6
#2	201.2	443.4	206.5	685.4
#3	200.7	441.8	207.4	683.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2847.8	35758.	5069.2
Stddev	4.4	120.	59.8
%RSD	.15588	.33695	1.1801
#1	2852.2	35897.	5135.2
#2	2847.8	35689.	5053.6
#3	2843.4	35688.	5018.6

Sample Name: 460-112154-A-1-C@5      Acquired: 4/19/2016 14:37:05      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	105.4	-3.795	.5771	23.49	-.0175	7169.
Stddev	5.5	.105	.3112	.08	.0118	34.
%RSD	5.199	2.770	53.93	.3424	67.21	.4784

#1	111.5	-3.842	.9133	23.40	-.0043	7133.
#2	100.9	-3.674	.5188	23.54	-.0268	7201.
#3	103.8	-3.868	.2991	23.54	-.0214	7174.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7494	.1536	1.447	35.31	34.86	30120.
Stddev	.0928	.1588	.316	.28	5.78	69.
%RSD	12.38	103.4	21.85	.7981	16.58	.2287

#1	.6729	-.0290	1.812	35.02	29.07	30190.
#2	.7227	.2304	1.278	35.59	40.63	30130.
#3	.8526	.2595	1.251	35.33	34.89	30050.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2005.	21.94	F 285600.	1.597	4.339	3.622
Stddev	8.	.11	2888.	.567	.877	.453
%RSD	.3829	.4813	1.011	35.50	20.21	12.50

#1	1997.	21.82	287700.	1.929	4.417	3.952
#2	2012.	22.01	286800.	1.920	3.425	3.809
#3	2007.	22.00	282300.	.9425	5.174	3.106

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

Sample Name: 460-112154-A-1-C@5      Acquired: 4/19/2016 14:37:05      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.522	-3.593	2.959	2544.	122.1	1145.
Stddev	.787	.589	.170	7.	.4	2.
%RSD	31.19	16.40	5.743	.2671	.3136	.1393
#1	-3.394	-3.278	3.066	2536.	122.5	1145.
#2	-2.304	-3.228	3.047	2545.	121.7	1146.
#3	-1.867	-4.272	2.763	2550.	122.2	1143.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4339	20.29	.9367	193.9
Stddev	.4404	.16	.0915	9.5
%RSD	101.5	.7974	9.770	4.880
#1	.3608	20.40	.9254	204.7
#2	.9062	20.37	.8513	189.8
#3	.0346	20.11	1.033	187.1

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2882.9	36440.	5230.6
Stddev	9.1	134.	43.7
%RSD	.31717	.36705	.83456
#1	2892.1	36430.	5191.2
#2	2882.8	36311.	5223.0
#3	2873.8	36578.	5277.5

Sample Name: sd 460-112146-A-1-B      Acquired: 4/19/2016 14:25:06      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>30.70</b>	<b>.8645</b>	<b>.0034</b>	<b>14.16</b>	<b>.0853</b>	<b>14210.</b>
Stddev	14.32	1.779	.0556	.07	.0416	82.
%RSD	46.64	205.8	1623.	.5044	48.73	.5747
#1	39.10	2.029	.0644	14.14	.0750	14270.
#2	38.82	1.748	-.0443	14.10	.1311	14240.
#3	14.17	-1.184	-.0098	14.24	.0498	14110.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6.112</b>	<b>10.60</b>	<b>1.921</b>	<b>6.542</b>	<b>234.3</b>	<b>273.2</b>
Stddev	.024	.06	.775	.429	16.2	29.4
%RSD	.3856	.5638	40.36	6.551	6.896	10.75
#1	6.091	10.58	1.154	6.079	252.8	303.6
#2	6.138	10.67	1.906	6.621	227.1	244.9
#3	6.107	10.56	2.704	6.925	223.0	271.1

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>366.6</b>	<b>159.4</b>	<b>55250.</b>	<b>15.39</b>	<b>893.3</b>	<b>2.096</b>
Stddev	3.7	.2	228.	.29	3.6	.616
%RSD	1.006	.1176	.4129	1.913	.4069	29.36
#1	368.2	159.3	55270.	15.19	895.6	2.732
#2	362.4	159.6	55470.	15.24	895.3	1.503
#3	369.3	159.3	55010.	15.72	889.1	2.054

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

Sample Name: sd 460-112146-A-1-B      Acquired: 4/19/2016 14:25:06      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-2.268</b>	<b>-.5193</b>	<b>-.0169</b>	<b>1992.</b>	<b>11.29</b>	<b>-.4687</b>
Stddev	2.833	2.401	.3319	2.	.18	.0741
%RSD	124.9	462.4	1967.	.1006	1.606	15.81
#1	.2874	-.9562	-.3777	1994.	11.46	-.3897
#2	-1.776	2.070	.0517	1990.	11.31	-.5366
#3	-5.315	-2.672	.2754	1992.	11.10	-.4797

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.0235</b>	<b>46.43</b>	<b>.8434</b>	<b>134.8</b>
Stddev	.5145	.02	.0575	9.7
%RSD	2188.	.0448	6.816	7.187
#1	-.6162	46.45	.9064	140.7
#2	.3088	46.41	.8301	140.1
#3	.2368	46.42	.7937	123.6

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	<b>2984.4</b>	<b>37195.</b>	<b>5164.0</b>
Stddev	15.6	388.	59.6
%RSD	.52105	1.0437	1.1542
#1	2966.5	36935.	5164.3
#2	2991.6	37007.	5104.2
#3	2995.0	37641.	5223.4

Sample Name: pds 460-112146-A-1-B      Acquired: 4/19/2016 14:33:10      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2239.	1934.	46.83	2005.	50.06	91340.
Stddev	10.	7.	.76	4.	.44	8.
%RSD	.4583	.3504	1.616	.1958	.8722	.0090

#1	2242.	1934.	47.69	2009.	49.71	91330.
#2	2228.	1926.	46.27	2004.	49.92	91350.
#3	2247.	1940.	46.53	2002.	50.55	91330.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	79.31	546.3	205.1	249.8	2195.	19310.
Stddev	.17	.2	.3	.9	10.	132.
%RSD	.2185	.0430	.1581	.3407	.4672	.6852

#1	79.51	546.1	205.4	249.3	2202.	19170.
#2	79.19	546.5	204.7	249.3	2199.	19310.
#3	79.24	546.4	205.2	250.8	2183.	19440.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19930.	1277.	F 303700.	574.2	4869.	476.7
Stddev	26.	1.	4071.	.6	14.	1.2
%RSD	.1281	.0552	1.341	.1102	.2931	.2440

#1	19910.	1276.	299100.	575.0	4885.	477.6
#2	19930.	1276.	304800.	573.8	4857.	475.3
#3	19960.	1277.	307100.	573.9	4864.	477.1

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



Sample Name: pds 460-112146-A-1-B      Acquired: 4/19/2016 14:33:10      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1991.	2003.	494.3	F 10420.	558.7	481.5
Stddev	2.	11.	1.6	20.	1.5	.2
%RSD	.1000	.5622	.3212	.1961	.2644	.0393
#1	1993.	1999.	494.2	10450.	560.3	481.7
#2	1989.	1994.	492.7	10410.	558.2	481.3
#3	1992.	2015.	495.9	10420.	557.5	481.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	492.4	721.6	494.9	706.5
Stddev	.9	3.4	.7	5.3
%RSD	.1890	.4759	.1422	.7483
#1	493.5	717.7	494.2	710.6
#2	491.9	722.6	494.8	700.5
#3	491.8	724.4	495.6	708.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2846.3	35886.	5086.0
Stddev	16.3	127.	48.2
%RSD	.57130	.35399	.94774
#1	2828.2	35739.	5085.5
#2	2859.6	35954.	5134.5
#3	2851.1	35965.	5038.1

Sample Name: CCV      Acquired: 4/19/2016 14:59:04      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123700.	2449.	1213.	10010.	1004.	123000.
Stddev	458.	7.	3.	6.	3.	243.
%RSD	.3705	.2669	.2105	.0598	.3444	.1977

#1	124000.	2450.	1215.	10010.	1005.	122800.
#2	123900.	2454.	1215.	10020.	1007.	122900.
#3	123100.	2441.	1210.	10010.	1000.0	123300.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1248.	2504.	4946.	12400.	100300.	49460.
Stddev	1.	4.	.	20.	291.	111.
%RSD	.1165	.1480	.0051	.1639	.2906	.2238

#1	1247.	2501.	4946.	12410.	100000.	49550.
#2	1250.	2508.	4946.	12400.	100100.	49490.
#3	1247.	2502.	4946.	12370.	100600.	49340.

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	122100.	5004.	124600.	2504.	7489.	989.8
Stddev	98.	6.	457.	2.	9.	5.0
%RSD	.0806	.1232	.3665	.0859	.1209	.5037

#1	122100.	4998.	125000.	2504.	7479.	992.7
#2	122200.	5003.	124600.	2505.	7496.	992.6
#3	122100.	5011.	124100.	2501.	7492.	984.0

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

Sample Name: CCV      Acquired: 4/19/2016 14:59:04      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2463.</b>	<b>2530.</b>	<b>2489.</b>	<b>2509.</b>	<b>995.6</b>	<b>2493.</b>
Stddev	8.	3.	3.	2.	2.4	5.
%RSD	.3164	.1383	.1008	.0847	.2435	.2031

#1	<b>2469.</b>	<b>2533.</b>	<b>2488.</b>	<b>2510.</b>	<b>995.8</b>	<b>2487.</b>
#2	<b>2466.</b>	<b>2531.</b>	<b>2486.</b>	<b>2510.</b>	<b>997.9</b>	<b>2497.</b>
#3	<b>2454.</b>	<b>2526.</b>	<b>2491.</b>	<b>2506.</b>	<b>993.0</b>	<b>2495.</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>999.3</b>	<b>5039.</b>	<b>10080.</b>	<b>9866.</b>
Stddev	2.4	18.	24.	66.
%RSD	.2368	.3589	.2402	.6692

#1	<b>999.5</b>	<b>5051.</b>	<b>10070.</b>	<b>9880.</b>
#2	<b>1002.</b>	<b>5047.</b>	<b>10070.</b>	<b>9794.</b>
#3	<b>996.8</b>	<b>5018.</b>	<b>10110.</b>	<b>9923.</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	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	<b>2800.0</b>	<b>35401.</b>	<b>4972.2</b>
Stddev	3.3	125.	15.3
%RSD	.11669	.35386	.30849

#1	<b>2802.2</b>	<b>35530.</b>	<b>4967.4</b>
#2	<b>2796.2</b>	<b>35394.</b>	<b>4959.8</b>
#3	<b>2801.5</b>	<b>35280.</b>	<b>4989.4</b>

Sample Name: 460-112160-A-1-B@5      Acquired: 4/19/2016 14:41:20      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>312.7</b>	<b>.2103</b>	<b>.1956</b>	<b>76.85</b>	<b>.0848</b>	<b>42490.</b>
Stddev	20.6	1.885	.3642	.05	.1011	85.
%RSD	6.576	896.3	186.2	.0693	119.3	.1992

#1	333.6	2.221	.6120	76.80	.1578	42420.
#2	312.1	-1.516	.0390	76.85	-.0306	42580.
#3	292.5	-.0737	-.0640	76.90	.1272	42470.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>7.129</b>	<b>30.39</b>	<b>.6417</b>	<b>39.87</b>	<b>154.6</b>	<b>1094.</b>
Stddev	.136	.45	.5259	.37	1.8	32.
%RSD	1.911	1.473	81.96	.9281	1.152	2.949

#1	7.247	30.78	1.187	40.28	153.8	1116.
#2	7.160	30.50	.1378	39.79	156.6	1110.
#3	6.980	29.90	.6001	39.55	153.3	1057.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1745.</b>	<b>193.5</b>	<b>F 272900.</b>	<b>390.6</b>	<b>290.6</b>	<b>3.327</b>
Stddev	3.	.4	1213.	2.2	.9	.743
%RSD	.1499	.2231	.4444	.5538	.2927	22.32

#1	1744.	193.2	272500.	392.4	290.5	3.172
#2	1748.	193.2	272000.	391.1	291.6	4.135
#3	1744.	193.9	274300.	388.2	289.9	2.674

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

Sample Name: 460-112160-A-1-B@5      Acquired: 4/19/2016 14:41:20      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1588</b>	<b>-.3021</b>	<b>.2853</b>	<b>512.9</b>	<b>30.56</b>	<b>.4451</b>
Stddev	4.439	.5144	.4476	3.7	.57	.2338
%RSD	2795.	170.2	156.9	.7294	1.857	52.53
#1	-3.860	-.1599	.7521	516.7	31.22	.7147
#2	4.924	.1261	.2438	512.6	30.23	.3208
#3	-.5878	-.8727	-.1401	509.3	30.24	.2996

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.2744</b>	<b>265.5</b>	<b>7.342</b>	<b>1370.</b>
Stddev	.6819	1.0	.473	23.
%RSD	248.5	.3885	6.443	1.713
#1	-.4722	266.5	7.849	1397.
#2	.8644	265.5	7.264	1353.
#3	.4309	264.5	6.912	1359.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2868.3</b>	<b>36021.</b>	<b>5059.3</b>
Stddev	22.4	203.	95.1
%RSD	.77942	.56422	1.8795
#1	2894.1	36247.	5152.3
#2	2854.9	35961.	5063.5
#3	2855.9	35854.	4962.2

Sample Name: 460-112160-A-2-B@5      Acquired: 4/19/2016 14:46:20      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>163.2</b>	<b>-.7482</b>	<b>-.3159</b>	<b>58.47</b>	<b>.0071</b>	<b>4614.</b>
Stddev	5.6	.8169	.1911	.38	.0739	19.
%RSD	3.406	109.2	60.51	.6577	1036.	.4086
#1	167.7	-1.441	-.2100	58.08	.0419	4601.
#2	164.9	-.9568	-.5366	58.47	.0573	4607.
#3	157.0	.1527	-.2012	58.85	-.0777	4636.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.7158</b>	<b>1.978</b>	<b>.8250</b>	<b>24.04</b>	<b>218.6</b>	<b>762.2</b>
Stddev	.0484	.258	.4389	.49	3.4	25.9
%RSD	6.763	13.03	53.20	2.023	1.551	3.401
#1	.6781	1.684	1.329	24.60	221.5	775.9
#2	.7704	2.164	.5249	23.76	214.9	732.3
#3	.6989	2.086	.6214	23.75	219.4	778.5

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>525.9</b>	<b>40.02</b>	<b>F 265000.</b>	<b>21.10</b>	<b>12.00</b>	<b>.7659</b>
Stddev	6.7	.04	2147.	.41	2.58	.4493
%RSD	1.279	.1033	.8103	1.954	21.48	58.66
#1	518.1	40.05	267400.	20.73	11.17	.9723
#2	530.0	39.97	264400.	21.02	9.945	1.075
#3	529.4	40.03	263200.	21.54	14.90	.2505

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

Sample Name: 460-112160-A-2-B@5      Acquired: 4/19/2016 14:46:20      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.702</b>	<b>-.5180</b>	<b>.6314</b>	<b>75.93</b>	<b>23.96</b>	<b>-.0015</b>
Stddev	.972	.4998	.1703	1.93	.23	.3559
%RSD	57.10	96.49	26.97	2.543	.9585	23800.
#1	-1.137	-.0577	.7012	74.62	23.70	-.3032
#2	-1.145	-1.050	.7558	78.15	24.13	-.0922
#3	-2.825	-.4467	.4374	75.02	24.05	.3910

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.3316</b>	<b>28.47</b>	<b>4.723</b>	<b>435.1</b>
Stddev	.6289	.16	.719	4.8
%RSD	189.7	.5462	15.21	1.114
#1	.3944	28.62	5.552	435.4
#2	-.7098	28.31	4.267	430.2
#3	-.6793	28.49	4.352	439.8

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2920.7</b>	<b>36531.</b>	<b>5074.9</b>
Stddev	6.5	178.	25.6
%RSD	.22313	.48591	.50382
#1	2928.0	36684.	5067.5
#2	2918.6	36572.	5103.3
#3	2915.5	36336.	5053.8

Sample Name: 460-112160-A-3-B@5      Acquired: 4/19/2016 14:50:35      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	151.6	-.3901	-.0383	96.22	.1766	29860.
Stddev	7.6	.2003	.2805	.29	.1552	77.
%RSD	5.039	51.34	731.5	.2984	87.87	.2590

#1	160.4	-.1594	-.3608	96.45	.0595	29780.
#2	148.2	-.5189	.1488	96.31	.1178	29850.
#3	146.3	-.4919	.0970	95.90	.3526	29940.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4506	1.202	.3923	3.214	68.30	1361.
Stddev	.1765	.203	.7848	.222	5.21	41.
%RSD	39.17	16.89	200.0	6.908	7.632	3.024

#1	.5200	.9916	.1591	3.356	63.04	1405.
#2	.2500	1.219	-.2494	2.958	68.41	1356.
#3	.5819	1.397	1.267	3.329	73.46	1323.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3088.	165.1	F 288100.	1.732	63.84	.3608
Stddev	8.	.6	3396.	.105	.68	1.516
%RSD	.2570	.3897	1.178	6.034	1.070	420.3

#1	3085.	164.7	284300.	1.824	64.54	-.1685
#2	3097.	165.9	289400.	1.752	63.17	-.8198
#3	3082.	164.9	290800.	1.618	63.80	2.071

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



Sample Name: 460-112160-A-3-B@5      Acquired: 4/19/2016 14:50:35      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.2980</b>	<b>-2.145</b>	<b>.5984</b>	<b>996.6</b>	<b>18.48</b>	<b>-.4720</b>
Stddev	1.732	1.852	.3172	1.6	.39	.1359
%RSD	581.3	86.33	53.00	.1568	2.104	28.79
#1	2.158	-.0860	.3428	996.1	18.04	-.6290
#2	-1.269	-2.674	.4991	998.3	18.77	-.3934
#3	.0052	-3.674	.9533	995.3	18.64	-.3937

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.9013</b>	<b>124.1</b>	<b>2.336</b>	<b>1390.</b>
Stddev	.5726	.2	.356	20.
%RSD	63.53	.1823	15.22	1.448
#1	.4312	124.3	2.733	1408.
#2	.7337	124.2	2.046	1395.
#3	1.539	123.8	2.229	1368.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2861.7</b>	<b>35876.</b>	<b>5032.6</b>
Stddev	4.7	176.	28.4
%RSD	.16399	.49143	.56341
#1	2860.5	36064.	5061.8
#2	2857.8	35849.	5030.6
#3	2866.9	35714.	5005.2

Sample Name: 460-112248-A-1-B@5      Acquired: 4/19/2016 15:28:16      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>74.10</b>	<b>2.140</b>	<b>.0262</b>	<b>659.2</b>	<b>.0531</b>	<b>795.8</b>
Stddev	6.78	3.265	.7188	1.2	.0222	4.9
%RSD	9.151	152.6	2747.	.1870	41.88	.6196
#1	67.88	.1505	-.2322	658.6	.0511	790.5
#2	73.09	.3604	-.5277	658.4	.0319	800.2
#3	81.33	5.908	.8384	660.6	.0762	796.8

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.096</b>	<b>1.276</b>	<b>4.131</b>	<b>868.0</b>	<b>5547.</b>	<b>243.2</b>
Stddev	.016	.183	.281	2.2	17.	68.9
%RSD	1.453	14.33	6.813	.2488	.3010	28.32
#1	1.111	1.317	4.014	870.2	5528.	320.9
#2	1.080	1.077	3.927	867.8	5554.	189.7
#3	1.098	1.435	4.452	865.9	5560.	219.0

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>194.7</b>	<b>142.8</b>	<b>F 279300.</b>	<b>24.47</b>	<b>25.87</b>	<b>1.756</b>
Stddev	6.6	.4	2136.	.09	2.11	1.195
%RSD	3.410	.3071	.7647	.3481	8.171	68.08
#1	187.0	142.3	279400.	24.55	23.44	1.050
#2	199.0	143.2	277100.	24.38	27.24	1.082
#3	198.0	142.8	281400.	24.48	26.93	3.136

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

Sample Name: 460-112248-A-1-B@5      Acquired: 4/19/2016 15:28:16      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-0.0374</b>	<b>-.9868</b>	<b>-.5195</b>	<b>70.50</b>	<b>9.737</b>	<b>.1705</b>
Stddev	2.233	.9454	.2661	.94	.289	.1396
%RSD	5974.	95.80	51.22	1.329	2.968	81.89
#1	-2.442	-.4949	-.3337	69.64	9.403	.1448
#2	.3592	-2.077	-.8243	71.50	9.895	.3213
#3	1.971	-.3888	-.4006	70.38	9.911	.0456

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.6341</b>	<b>27.83</b>	<b>.9927</b>	<b>435.1</b>
Stddev	.3397	.14	.1291	9.0
%RSD	53.57	.5021	13.01	2.062
#1	.5863	27.84	.8454	444.5
#2	.3208	27.68	1.046	426.6
#3	.9952	27.96	1.086	434.2

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	<b>2859.7</b>	<b>35800.</b>	<b>4988.7</b>
Stddev	6.3	154.	43.8
%RSD	.21979	.42949	.87736
#1	2864.2	35978.	5001.0
#2	2852.5	35706.	5025.0
#3	2862.4	35718.	4940.1

Sample Name: 460-112248-A-3-B@5      Acquired: 4/19/2016 15:36:49      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>329.5</b>	<b>1.648</b>	<b>.4337</b>	<b>96.17</b>	<b>.0451</b>	<b>146800.</b>
Stddev	7.3	.739	.4802	.33	.0303	287.
%RSD	2.230	44.83	110.7	.3449	67.13	.1952

#1	337.2	1.010	.8866	96.54	.0791	147000.
#2	328.6	1.478	-.0698	96.05	.0209	146900.
#3	322.6	2.458	.4841	95.91	.0354	146500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.3041</b>	<b>9.304</b>	<b>-.0049</b>	<b>2.050</b>	<b>25.55</b>	<b>1633.</b>
Stddev	.0623	.307	.3524	.253	10.67	17.
%RSD	20.49	3.304	7146.	12.32	41.76	1.069

#1	.2957	9.132	.2893	2.203	29.55	1627.
#2	.2464	9.659	-.3955	1.758	33.64	1620.
#3	.3702	9.121	.0914	2.188	13.46	1653.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1812.</b>	<b>384.1</b>	<b>F 284800.</b>	<b>16.49</b>	<b>45.11</b>	<b>5.990</b>
Stddev	7.	1.0	3165.	.27	2.34	2.791
%RSD	.3929	.2632	1.111	1.633	5.190	46.60

#1	1814.	385.3	287000.	16.76	47.41	5.883
#2	1818.	383.7	286200.	16.22	45.18	8.832
#3	1804.	383.4	281200.	16.49	42.73	3.253

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

Sample Name: 460-112248-A-3-B@5      Acquired: 4/19/2016 15:36:49      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-3153</b>	<b>-1.271</b>	<b>.8880</b>	<b>1817.</b>	<b>42.43</b>	<b>1.959</b>
Stddev	1.266	1.567	.4197	3.	.49	.080
%RSD	401.6	123.3	47.26	.1683	1.150	4.086
#1	-1.371	-1.307	1.276	1819.	42.28	1.869
#2	-.6637	-2.820	.9453	1819.	42.03	1.985
#3	1.089	.3139	.4426	1813.	42.98	2.022

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.6948</b>	<b>897.1</b>	<b>1.564</b>	<b>4062.</b>
Stddev	.5719	2.4	.180	60.
%RSD	82.30	.2681	11.49	1.486
#1	1.177	899.3	1.359	4123.
#2	.8448	897.5	1.637	4002.
#3	.0629	894.5	1.696	4060.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2797.4</b>	<b>35188.</b>	<b>4927.3</b>
Stddev	6.4	32.	28.3
%RSD	.22727	.09227	.57378
#1	2790.1	35157.	4952.9
#2	2802.0	35221.	4897.0
#3	2800.1	35186.	4932.2

Sample Name: MB 460-363331/1-A      Acquired: 4/19/2016 15:45:24      Type: QC

Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -19.75	F .1058	F -.0669	F -.1228	F .0047	F -1.153
Stddev	2.40	.7487	.1513	.0982	.1057	1.814
%RSD	12.12	707.7	226.3	80.03	2271.	157.3

#1	-18.10	.2809	.1071	-.1115	.0451	.3705
#2	-22.50	-.7149	-.1398	-.0306	-.1153	-.6700
#3	-18.66	.7513	-.1679	-.2261	.0842	-3.160

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	125000.	2500.	1250.	10000.	1000.	125000.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F .0393	F .0130	F .1709	F .0452	F -2.781	F 32.45
Stddev	.0868	.2399	.1352	.0707	10.46	43.85
%RSD	220.8	1840.	79.10	156.3	376.2	135.2

#1	.0160	-.2619	.3049	.0590	-11.77	58.43
#2	-.0334	.1800	.0345	.1080	8.700	57.09
#3	.1353	.1210	.1735	-.0313	-5.271	-18.18

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1250.	2500.	5000.	12500.	100000.	50000.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -19.53	F -.0458	F 106.5	F .0164	F -.4039	F -1.241
Stddev	3.21	.0510	19.5	.2565	1.025	1.033
%RSD	16.41	111.3	18.29	1564.	253.7	83.22

#1	-22.28	-.0401	127.8	.3126	-1.101	-.1394
#2	-16.01	-.0995	102.2	-.1319	-.8836	-1.396
#3	-20.30	.0021	89.60	-.1316	.7729	-2.188

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	125000.	5000.	125000.	2500.	7500.	1000.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Sample Name: MB 460-363331/1-A      Acquired: 4/19/2016 15:45:24      Type: QC

Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F <b>-1.1915</b>	F <b>-1.588</b>	F <b>-.0462</b>	F <b>.5457</b>	F <b>-1.081</b>	F <b>-.2887</b>
Stddev	1.372	1.138	.1546	.1013	.191	.1716
%RSD	716.4	71.68	334.3	18.56	17.67	59.44

#1	.3780	-2.888	-.1693	.4289	-.8890	-.4415
#2	-1.756	-.7720	-.0968	.5991	-1.084	-.1031
#3	.8037	-1.104	.1273	.6091	-1.271	-.3214

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2500.	2500.	2500.	2500.	1000.	2500.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F <b>-.3634</b>	F <b>-.0158</b>	F <b>-.1410</b>	F <b>16.26</b>
Stddev	.5040	.0991	.0797	9.62
%RSD	138.7	628.5	56.57	59.16

#1	-.3644	.0882	-.0791	27.20
#2	-.8670	-.0262	-.2310	12.50
#3	.1411	-.1093	-.1129	9.095

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	5000.	10000.	10000.
Range	-5.500%	-5.500%	-5.500%	-5.500%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2903.7</b>	<b>36466.</b>	<b>4845.0</b>
Stddev	20.3	85.	16.5
%RSD	.69867	.23321	.34044

#1	2880.3	36563.	4853.6
#2	2914.3	36407.	4825.9
#3	2916.5	36427.	4855.4

Sample Name: 460-112160-A-4-B@5      Acquired: 4/19/2016 14:54:48      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	182.5	-1.513	-.0362	22.37	-.0326	5008.
Stddev	13.0	1.976	.1244	.05	.0443	19.
%RSD	7.140	130.6	344.1	.2086	136.1	.3801

#1	182.6	-.5906	-.0703	22.37	-.0080	5016.
#2	169.4	-.1672	-.1400	22.32	-.0060	5023.
#3	195.4	-3.781	.1018	22.41	-.0838	4987.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1205	.7151	.9093	2.651	124.6	585.1
Stddev	.0394	.0799	.2550	.526	9.0	6.9
%RSD	32.71	11.18	28.05	19.84	7.233	1.179

#1	.1597	.6249	.7051	2.475	114.2	579.6
#2	.0809	.7772	.8277	2.236	130.4	592.9
#3	.1208	.7431	1.195	3.242	129.2	583.0

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	517.7	7.573	F 276900.	182.7	4.620	-.4847
Stddev	5.9	.087	2163.	.5	.516	.4989
%RSD	1.141	1.151	.7812	.2943	11.18	102.9

#1	520.0	7.619	277900.	183.2	4.656	-.8364
#2	511.0	7.628	278300.	182.2	4.087	-.7039
#3	522.1	7.473	274400.	182.8	5.118	.0862

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



Sample Name: 460-112160-A-4-B@5      Acquired: 4/19/2016 14:54:48      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.3328</b>	<b>-1.069</b>	<b>.3306</b>	<b>12.63</b>	<b>30.87</b>	<b>-.1973</b>
Stddev	4.202	.542	.2626	.27	.27	.1783
%RSD	1262.	50.72	79.43	2.159	.8764	90.41
#1	4.089	-1.626	.6074	12.92	31.18	-.2527
#2	1.114	-.5432	.0850	12.57	30.71	-.3413
#3	-4.204	-1.037	.2994	12.39	30.72	.0022

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.6494</b>	<b>39.21</b>	<b>3.850</b>	<b>309.3</b>
Stddev	.1413	.27	.477	12.9
%RSD	21.76	.6869	12.38	4.185
#1	-.7531	39.41	4.216	294.4
#2	-.4885	39.31	4.022	316.9
#3	-.7066	38.90	3.311	316.8

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2867.3</b>	<b>35838.</b>	<b>5029.8</b>
Stddev	8.6	176.	77.0
%RSD	.30001	.48999	1.5313
#1	2860.4	35639.	5015.4
#2	2877.0	35903.	4960.9
#3	2864.6	35972.	5113.0

Sample Name: CCB      Acquired: 4/19/2016 15:02:55      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-11.09</b>	<b>.1715</b>	<b>.4503</b>	<b>2.018</b>	<b>.1584</b>	<b>-6.804</b>
Stddev	9.16	3.137	.4758	3.046	.1017	4.567
%RSD	82.64	1830.	105.7	150.9	64.23	67.12
#1	-1.998	-2.878	.4250	.4028	.1528	-8.972
#2	-20.32	3.389	-.0124	5.532	.0595	-1.557
#3	-10.94	.0034	.9383	.1202	.2628	-9.882

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.3478</b>	<b>.6448</b>	<b>-.1387</b>	<b>.1926</b>	<b>-6.958</b>	<b>40.31</b>
Stddev	.3450	.7185	.1683	.2853	14.28	37.78
%RSD	99.20	111.4	121.4	148.2	205.2	93.71
#1	.1108	.1880	-.1455	.2450	-10.13	10.72
#2	.7436	1.473	-.3035	.4480	-19.39	27.35
#3	.1890	.2734	.0329	-.1154	8.640	82.86

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-12.76</b>	<b>.1400</b>	<b>46.75</b>	<b>.1709</b>	<b>.9637</b>	<b>-1.010</b>
Stddev	3.39	.0196	12.25	.7634	3.259	1.424
%RSD	26.56	14.03	26.21	446.7	338.2	141.0
#1	-16.52	.1442	58.56	-.4017	-.8885	-2.604
#2	-11.84	.1572	47.59	1.038	4.727	-.5590
#3	-9.934	.1186	34.10	-.1232	-.9473	.1346

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

Sample Name: CCB      Acquired: 4/19/2016 15:02:55      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.4282</b>	<b>.2342</b>	<b>.1904</b>	<b>.6941</b>	<b>.2823</b>	<b>1.287</b>
Stddev	2.185	1.479	.2740	.7152	.5235	.509
%RSD	510.4	631.5	143.9	103.0	185.5	39.57
#1	-2.020	1.328	.3805	.3510	-.1098	1.185
#2	2.182	.8240	-.1236	1.516	.8768	1.839
#3	1.122	-1.449	.3144	.2150	.0798	.8360

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.0492</b>	<b>.1799</b>	<b>.6304</b>	<b>17.70</b>
Stddev	.7051	.1133	.1144	16.92
%RSD	1432.	62.96	18.15	95.60
#1	-.5946	.1200	.6083	8.363
#2	.7470	.1092	.5287	7.507
#3	-.3001	.3106	.7543	37.24

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	<b>2980.3</b>	<b>37187.</b>	<b>5039.4</b>
Stddev	11.0	374.	38.9
%RSD	.36876	1.0060	.77097
#1	2988.8	37346.	5068.8
#2	2984.1	37455.	5054.1
#3	2967.9	36759.	4995.4

Sample Name: CCVL      Acquired: 4/19/2016 15:07:05      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>187.8</b>	<b>13.90</b>	<b>9.916</b>	<b>209.9</b>	<b>2.063</b>	<b>5008.</b>
Stddev	6.3	.74	.529	.1	.161	9.
%RSD	3.370	5.337	5.335	.0623	7.811	.1796

#1	188.3	13.13	10.05	210.1	2.249	4998.
#2	193.8	13.96	10.36	209.8	1.975	5016.
#3	181.2	14.61	9.332	209.9	1.966	5009.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.168</b>	<b>53.60</b>	<b>10.55</b>	<b>24.85</b>	<b>152.0</b>	<b>4873.</b>
Stddev	.074	.21	.50	.16	11.6	26.
%RSD	1.774	.3921	4.767	.6351	7.618	.5358

#1	4.121	53.83	10.21	24.95	138.7	4849.
#2	4.129	53.41	10.30	24.94	159.8	4869.
#3	4.253	53.56	11.12	24.67	157.4	4901.

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	<b>4784.</b>	<b>15.89</b>	<b>4942.</b>	<b>42.99</b>	<b>11.32</b>	<b>18.54</b>
Stddev	23.	.14	17.	.48	1.38	.87
%RSD	.4792	.8578	.3513	1.122	12.19	4.677

#1	4772.	15.80	4958.	43.50	12.78	18.23
#2	4811.	16.05	4924.	42.94	10.04	19.52
#3	4770.	15.82	4944.	42.54	11.15	17.88

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

Sample Name: CCVL      Acquired: 4/19/2016 15:07:05      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.86	22.67	50.82	32.27	49.69	20.56
Stddev	1.25	.42	.18	.41	.31	.28
%RSD	5.733	1.848	.3597	1.268	.6291	1.369
#1	23.23	23.15	50.90	32.65	49.79	20.74
#2	20.77	22.44	50.62	32.31	49.94	20.70
#3	21.59	22.42	50.96	31.84	49.34	20.23

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	50.60	20.73	20.86	F 10.21
Stddev	.40	.09	.17	21.24
%RSD	.7960	.4174	.7991	208.0
#1	50.31	20.66	20.96	-12.66
#2	50.43	20.83	20.96	29.33
#3	51.06	20.71	20.67	13.96

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3002.3	37497.	5081.0
Stddev	8.2	163.	52.6
%RSD	.27298	.43585	1.0355
#1	3008.1	37599.	5104.1
#2	3005.9	37584.	5118.2
#3	2992.9	37309.	5020.8

Sample Name: 460-112127-A-1-B@5      Acquired: 4/19/2016 15:11:12      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	128.7	1.084	.4640	221.6	.0863	22440.
Stddev	5.3	1.226	.2851	1.1	.0911	63.
%RSD	4.119	113.1	61.44	.4925	105.6	.2823
#1	130.7	-.3106	.6657	220.8	-.0169	22420.
#2	122.7	1.571	.5886	221.2	.1555	22510.
#3	132.8	1.992	.1379	222.8	.1204	22400.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.473	1.575	1.042	7.576	32.53	616.9
Stddev	.035	.196	.692	1.296	26.46	7.4
%RSD	2.410	12.45	66.38	17.10	81.33	1.199
#1	1.468	1.688	1.537	9.064	63.06	620.9
#2	1.441	1.349	.2516	6.691	16.35	621.3
#3	1.511	1.689	1.338	6.974	18.17	608.3

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4611.	147.9	F 273400.	2.690	175.2	.6583
Stddev	19.	.4	3023.	.202	1.3	.6738
%RSD	.4016	.2699	1.106	7.525	.7427	102.4
#1	4632.	148.3	272500.	2.683	176.2	.0867
#2	4599.	147.9	270900.	2.491	173.7	1.401
#3	4601.	147.5	276800.	2.896	175.6	.4867

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

Sample Name: 460-112127-A-1-B@5      Acquired: 4/19/2016 15:11:12      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.354</b>	<b>-.0022</b>	<b>.7047</b>	<b>194.4</b>	<b>13.27</b>	<b>-.0183</b>
Stddev	.876	.8588	.3174	.8	.27	.3115
%RSD	64.68	39490.	45.03	.4354	2.003	1707.
#1	<b>-.4079</b>	<b>.7665</b>	<b>1.031</b>	<b>194.6</b>	<b>13.13</b>	<b>.0205</b>
#2	<b>-2.137</b>	<b>-.9291</b>	<b>.6853</b>	<b>195.2</b>	<b>13.11</b>	<b>.2720</b>
#3	<b>-1.518</b>	<b>.1561</b>	<b>.3975</b>	<b>193.5</b>	<b>13.58</b>	<b>-.3473</b>

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.0373</b>	<b>70.57</b>	<b>3.079</b>	<b>690.5</b>
Stddev	.3365	.17	1.354	13.4
%RSD	901.6	.2474	43.97	1.941
#1	<b>-.3319</b>	<b>70.65</b>	<b>4.634</b>	<b>675.7</b>
#2	<b>.3294</b>	<b>70.70</b>	<b>2.444</b>	<b>693.7</b>
#3	<b>-.1095</b>	<b>70.38</b>	<b>2.159</b>	<b>701.9</b>

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2851.4</b>	<b>35781.</b>	<b>4941.6</b>
Stddev	8.6	172.	35.3
%RSD	.30074	.47995	.71351
#1	<b>2842.8</b>	<b>35725.</b>	<b>4960.3</b>
#2	<b>2851.5</b>	<b>35645.</b>	<b>4963.7</b>
#3	<b>2860.0</b>	<b>35974.</b>	<b>4901.0</b>

Sample Name: 460-112229-A-6-C@5      Acquired: 4/19/2016 15:15:28      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>225.6</b>	<b>.9227</b>	<b>.4279</b>	<b>151.0</b>	<b>.1740</b>	<b>63890.</b>
Stddev	24.6	.8100	.4545	.2	.0653	292.
%RSD	10.90	87.78	106.2	.1036	37.52	.4572

#1	202.8	1.830	.4402	150.9	.1765	64100.
#2	222.2	.6668	.8761	151.1	.1075	63560.
#3	251.7	.2716	-.0326	151.1	.2381	64020.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.2527</b>	<b>2.843</b>	<b>.1705</b>	<b>3.157</b>	<b>175.9</b>	<b>730.8</b>
Stddev	.0316	.047	.5450	.339	5.2	40.2
%RSD	12.50	1.653	319.7	10.73	2.939	5.494

#1	.2603	2.897	-.4476	2.769	171.4	697.6
#2	.2180	2.819	.5821	3.307	181.5	775.4
#3	.2798	2.812	.3769	3.394	174.8	719.4

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	<b>8765.</b>	<b>1420.</b>	<b>F 275100.</b>	<b>7.612</b>	<b>2.540</b>	<b>-.0333</b>
Stddev	25.	3.	2579.	.494	2.819	.6039
%RSD	.2817	.2424	.9375	6.493	111.0	1813.

#1	8780.	1423.	277500.	7.176	-.1808	-.7144
#2	8778.	1417.	275400.	8.149	5.449	.1778
#3	8736.	1422.	272400.	7.510	2.353	.4367

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



Sample Name: 460-112229-A-6-C@5      Acquired: 4/19/2016 15:15:28      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.7255</b>	<b>-.8931</b>	<b>.2922</b>	<b>38.66</b>	<b>18.24</b>	<b>.3654</b>
Stddev	1.472	.5742	.2216	.09	.84	.4367
%RSD	202.9	64.30	75.83	.2349	4.629	119.5
#1	-.7528	-.9099	.0967	38.56	18.72	.7528
#2	.7598	-1.459	.2470	38.68	18.74	.4512
#3	-2.183	-.3106	.5328	38.74	17.27	-.1079

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.7559</b>	<b>151.0</b>	<b>2.491</b>	<b>3210.</b>
Stddev	.5379	.3	.121	15.
%RSD	71.16	.2169	4.857	.4667
#1	.2348	150.7	2.627	3192.
#2	.7237	151.3	2.448	3217.
#3	1.309	151.2	2.397	3220.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2829.9</b>	<b>35482.</b>	<b>4976.2</b>
Stddev	10.5	182.	18.1
%RSD	.36959	.51247	.36373
#1	2834.1	35434.	4955.4
#2	2837.5	35682.	4985.8
#3	2817.9	35328.	4987.5

Sample Name: 460-112024-A-1-C@5      Acquired: 4/19/2016 15:19:44      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>308.5</b>	<b>1.158</b>	<b>.3556</b>	<b>79.18</b>	<b>.0381</b>	<b>123000.</b>
Stddev	26.7	1.179	.2932	.21	.0462	151.
%RSD	8.649	101.9	82.45	.2687	121.5	.1224

#1	320.4	.0663	.2599	78.93	.0410	122900.
#2	278.0	.9986	.1223	79.33	-.0096	123100.
#3	327.2	2.409	.6848	79.26	.0827	123100.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.2734</b>	<b>12.96</b>	<b>-.4037</b>	<b>1.629</b>	<b>124.5</b>	<b>1588.</b>
Stddev	.0035	.07	.4339	.112	5.5	15.
%RSD	1.286	.5288	107.5	6.843	4.394	.9607

#1	.2771	13.00	-.7478	1.750	127.4	1595.
#2	.2730	13.00	-.5470	1.531	118.2	1571.
#3	.2701	12.88	.0837	1.607	128.0	1599.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1705.</b>	<b>404.8</b>	<b>F 269900.</b>	<b>15.54</b>	<b>45.63</b>	<b>1.272</b>
Stddev	3.	.5	4147.	.17	.14	2.750
%RSD	.1832	.1215	1.536	1.098	.3015	216.2

#1	1701.	404.4	268000.	15.61	45.75	4.190
#2	1708.	405.3	267000.	15.66	45.67	-1.272
#3	1704.	404.8	274600.	15.35	45.48	.8978

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

Sample Name: 460-112024-A-1-C@5      Acquired: 4/19/2016 15:19:44      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.741</b>	<b>-2.342</b>	<b>.1990</b>	<b>2628.</b>	<b>33.55</b>	<b>.4782</b>
Stddev	.355	.321	.6754	6.	.65	.4082
%RSD	20.38	13.69	339.4	.2130	1.951	85.36
#1	-1.372	-2.629	.3166	2625.	34.11	.1235
#2	-1.770	-2.400	-.5275	2624.	32.83	.9245
#3	-2.080	-1.996	.8078	2634.	33.71	.3868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.7544</b>	<b>741.1</b>	<b>2.344</b>	<b>1940.</b>
Stddev	.5719	4.8	.092	17.
%RSD	75.81	.6482	3.924	.9007
#1	1.168	738.0	2.394	1949.
#2	.9937	738.7	2.399	1951.
#3	.1017	746.6	2.237	1920.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2791.6</b>	<b>35038.</b>	<b>4883.6</b>
Stddev	11.3	128.	48.1
%RSD	.40646	.36660	.98457
#1	2778.9	34929.	4902.5
#2	2800.7	35005.	4919.4
#3	2795.2	35180.	4829.0

Sample Name: 460-112104-A-1-B@5      Acquired: 4/19/2016 15:23:59      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>94.52</b>	<b>-1.241</b>	<b>.2946</b>	<b>29.67</b>	<b>.1272</b>	<b>18830.</b>
Stddev	9.02	1.384	.0947	.14	.1042	42.
%RSD	9.545	111.6	32.16	.4885	81.97	.2253

#1	<b>87.60</b>	<b>-1.674</b>	<b>.1953</b>	<b>29.71</b>	<b>.0310</b>	<b>18850.</b>
#2	<b>91.23</b>	<b>.3081</b>	<b>.3044</b>	<b>29.79</b>	<b>.2380</b>	<b>18780.</b>
#3	<b>104.7</b>	<b>-2.357</b>	<b>.3840</b>	<b>29.51</b>	<b>.1125</b>	<b>18860.</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0797</b>	<b>3.818</b>	<b>-.4421</b>	<b>9.522</b>	<b>1.429</b>	<b>250.7</b>
Stddev	.1141	.199	.2727	.257	7.743	24.1
%RSD	143.2	5.220	61.69	2.702	541.8	9.626

#1	<b>-.1673</b>	<b>3.625</b>	<b>-.1282</b>	<b>9.382</b>	<b>3.835</b>	<b>226.9</b>
#2	<b>.0493</b>	<b>3.806</b>	<b>-.5775</b>	<b>9.366</b>	<b>7.683</b>	<b>275.2</b>
#3	<b>-.1211</b>	<b>4.023</b>	<b>-.6206</b>	<b>9.819</b>	<b>-7.231</b>	<b>250.1</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2378.</b>	<b>53.18</b>	<b>F 278000.</b>	<b>14.88</b>	<b>-.1680</b>	<b>-.0068</b>
Stddev	13.	.22	2688.	.27	2.203	1.626
%RSD	.5586	.4113	.9670	1.810	1311.	24020.

#1	<b>2376.</b>	<b>53.05</b>	<b>280400.</b>	<b>14.83</b>	<b>2.322</b>	<b>-.1990</b>
#2	<b>2366.</b>	<b>53.06</b>	<b>278500.</b>	<b>14.63</b>	<b>-.9624</b>	<b>1.707</b>
#3	<b>2393.</b>	<b>53.44</b>	<b>275100.</b>	<b>15.16</b>	<b>-1.863</b>	<b>-1.529</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Fail</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
High Limit			<b>250000.</b>			
Low Limit			<b>-5000.</b>			

Sample Name: 460-112104-A-1-B@5      Acquired: 4/19/2016 15:23:59      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.108</b>	<b>-.2749</b>	<b>.2865</b>	<b>14.39</b>	<b>149.4</b>	<b>.2614</b>
Stddev	2.138	2.779	.1612	.25	.5	.1157
%RSD	101.4	1011.	56.25	1.734	.3441	44.25
#1	4.316	-3.171	.2749	14.67	149.6	.1345
#2	.0473	-.0257	.1315	14.32	149.9	.2886
#3	1.962	2.372	.4532	14.18	148.9	.3610

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.2542</b>	<b>121.9</b>	<b>.9816</b>	<b>2964.</b>
Stddev	.3921	.3	.1486	33.
%RSD	154.3	.2378	15.14	1.127
#1	-.6438	121.9	1.052	2998.
#2	.1403	121.6	.8109	2931.
#3	-.2590	122.2	1.082	2964.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2844.0</b>	<b>35602.</b>	<b>4986.0</b>
Stddev	1.9	30.	25.1
%RSD	.06797	.08462	.50350
#1	2846.2	35605.	4988.4
#2	2843.3	35631.	4959.8
#3	2842.6	35571.	5009.9

Sample Name: 460-112248-A-2-B@5      Acquired: 4/19/2016 15:32:32      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>22.88</b>	<b>-.9705</b>	<b>.3691</b>	<b>3.022</b>	<b>.0409</b>	<b>10320.</b>
Stddev	5.56	3.521	.2381	.070	.1447	34.
%RSD	24.32	362.8	64.52	2.319	353.8	.3293

#1	16.80	-3.293	.0981	3.100	.1892	10350.
#2	24.12	3.080	.5449	2.965	-.1000	10340.
#3	27.71	-2.699	.4643	3.002	.0335	10280.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0557</b>	<b>-.0294</b>	<b>.2983</b>	<b>4.297</b>	<b>-10.56</b>	<b>1707.</b>
Stddev	.1037	.1191	.4042	.298	9.67	25.
%RSD	186.2	405.3	135.5	6.946	91.55	1.442

#1	-.0166	.0575	.7616	4.432	-21.35	1698.
#2	.1745	-.1652	.0175	3.954	-7.683	1688.
#3	.0091	.0195	.1158	4.504	-2.659	1735.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>72090.</b>	<b>.3195</b>	<b>F 278800.</b>	<b>.9789</b>	<b>2.767</b>	<b>-.6132</b>
Stddev	121.	.0401	6715.	.0583	2.202	.5989
%RSD	.1673	12.54	2.409	5.960	79.57	97.67

#1	72050.	.3561	282300.	.9979	1.768	-1.012
#2	72230.	.3259	283000.	1.025	1.242	.0755
#3	72000.	.2767	271100.	.9135	5.291	-.9030

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

Sample Name: 460-112248-A-2-B@5      Acquired: 4/19/2016 15:32:32      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.191</b>	<b>-0.8510</b>	<b>1.876</b>	<b>1.405</b>	<b>7.625</b>	<b>3.416</b>
Stddev	.683	1.444	.510	.123	.482	.160
%RSD	31.17	169.7	27.20	8.776	6.328	4.671
#1	2.830	-1.150	2.070	1.328	8.177	3.365
#2	1.471	-2.122	2.261	1.547	7.413	3.595
#3	2.273	.7193	1.297	1.339	7.284	3.288

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.2176</b>	<b>28.54</b>	<b>.8118</b>	<b>148.4</b>
Stddev	.8376	.14	.1650	15.3
%RSD	384.9	.4951	20.32	10.32
#1	-.6870	28.41	.6691	135.9
#2	.3736	28.69	.9924	143.9
#3	.9662	28.52	.7738	165.5

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2848.6</b>	<b>35843.</b>	<b>5049.3</b>
Stddev	4.6	105.	5.7
%RSD	.16298	.29393	.11346
#1	2844.8	35874.	5055.4
#2	2847.4	35726.	5044.0
#3	2853.8	35930.	5048.6

Sample Name: LB 460-362926/1-B@5      Acquired: 4/19/2016 15:41:04      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-20.44</b>	<b>.0845</b>	<b>.0907</b>	<b>.0069</b>	<b>.0468</b>	<b>5.514</b>
Stddev	4.66	.7252	.3853	.1323	.0451	6.797
%RSD	22.81	858.7	425.0	1916.	96.48	123.3

#1	-16.00	-.4778	.4494	-.0798	-.0053	9.331
#2	-20.02	.9030	-.3166	.1592	.0713	-2.333
#3	-25.30	-.1719	.1392	-.0587	.0743	9.544

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0265</b>	<b>-.3610</b>	<b>.0244</b>	<b>.6576</b>	<b>-2.649</b>	<b>82.40</b>
Stddev	.0519	.0933	.5578	.3007	7.043	39.77
%RSD	195.7	25.86	2283.	45.73	265.9	48.26

#1	.0778	-.3508	-.0026	.4903	-8.062	57.75
#2	-.0260	-.4590	-.5194	.4777	5.313	61.18
#3	.0279	-.2731	.5953	1.005	-5.199	128.3

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-9.868</b>	<b>.0487</b>	<b>F 295100.</b>	<b>.5199</b>	<b>-.1332</b>	<b>-.0923</b>
Stddev	2.542	.0423	3994.	.5035	1.026	1.435
%RSD	25.76	86.79	1.354	96.86	770.2	1554.

#1	-12.55	.0013	297100.	1.058	.1688	.0427
#2	-9.573	.0826	297700.	.0609	.7078	1.270
#3	-7.487	.0621	290500.	.4402	-1.276	-1.590

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



Sample Name: LB 460-362926/1-B@5      Acquired: 4/19/2016 15:41:04      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.2683</b>	<b>-1.468</b>	<b>.2657</b>	<b>1.313</b>	<b>.6492</b>	<b>-.2529</b>
Stddev	1.221	1.549	.0922	.154	.0151	.0505
%RSD	455.2	105.5	34.71	11.73	2.324	19.98
#1	.9859	.2844	.2109	1.263	.6592	-.2804
#2	-1.453	-2.653	.2140	1.486	.6319	-.2837
#3	-.3375	-2.036	.3721	1.190	.6566	-.1946

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.2037</b>	<b>.0922</b>	<b>-.0515</b>	<b>31.34</b>
Stddev	.2636	.1271	.0705	10.64
%RSD	129.4	138.0	137.0	33.94
#1	-.0975	.2365	-.1102	37.65
#2	.3919	.0431	.0268	37.31
#3	.3168	-.0031	-.0711	19.06

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2835.5</b>	<b>35461.</b>	<b>4925.0</b>
Stddev	8.2	127.	27.8
%RSD	.28995	.35805	.56433
#1	2840.6	35602.	4921.5
#2	2826.0	35424.	4899.1
#3	2840.0	35357.	4954.4

Sample Name: LCS 460-363331/2-A      Acquired: 4/19/2016 15:49:37      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 1892.	F 1820.	F 46.18	F 1938.	F 48.64	F 18830.
Stddev	15.	3.	.51	1.	.23	67.
%RSD	.8118	.1494	1.095	.0708	.4678	.3564

#1	1887.	1818.	45.66	1937.	48.89	18830.
#2	1879.	1823.	46.19	1938.	48.46	18760.
#3	1909.	1819.	46.67	1940.	48.55	18900.

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	125000.	2500.	1250.	10000.	1000.	125000.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 48.81	F 494.9	F 198.1	F 233.9	F 971.7	F 17470.
Stddev	.11	1.1	1.0	1.3	8.4	56.
%RSD	.2294	.2186	.4923	.5432	.8596	.3210

#1	48.80	495.5	198.0	235.1	964.9	17450.
#2	48.70	495.5	197.1	232.6	981.0	17430.
#3	48.92	493.6	199.0	234.0	969.2	17540.

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1250.	2500.	5000.	12500.	100000.	50000.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 18220.	F 491.5	F 18860.	F 502.8	F 498.5	F 451.2
Stddev	69.	1.3	96.	.8	.7	1.7
%RSD	.3783	.2556	.5108	.1583	.1429	.3732

#1	18250.	491.7	18870.	503.2	497.9	453.1
#2	18140.	490.1	18770.	501.8	498.4	449.9
#3	18270.	492.5	18960.	503.2	499.3	450.6

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	125000.	5000.	125000.	2500.	7500.	1000.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Sample Name: LCS 460-363331/2-A      Acquired: 4/19/2016 15:49:37      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 1851.	F 2103.	F 485.9	F 499.8	F 476.9	F 479.7
Stddev	6.	15.	.2	2.0	2.4	1.7
%RSD	.3305	.7160	.0448	.4096	.5076	.3462

#1	1857.	2113.	486.2	501.2	479.1	480.8
#2	1845.	2086.	485.8	497.5	474.3	477.8
#3	1852.	2111.	485.8	500.8	477.2	480.5

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2500.	2500.	2500.	2500.	1000.	2500.
Range	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%	-5.500%

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F 491.5	F 477.6	F 485.7	F 47.55
Stddev	1.8	1.9	.7	8.37
%RSD	.3603	.3917	.1339	17.60

#1	493.5	477.4	486.1	56.98
#2	490.0	475.9	485.0	41.00
#3	491.1	479.6	486.1	44.68

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	1000.	5000.	10000.	10000.
Range	-5.500%	-5.500%	-5.500%	-5.500%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2892.7	36292.	4937.7
Stddev	2.2	172.	58.5
%RSD	.07571	.47294	1.1851

#1	2893.9	36327.	4966.6
#2	2890.2	36442.	4976.2
#3	2894.1	36105.	4870.4

Sample Name: CCV      Acquired: 4/19/2016 15:53:28      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>123800.</b>	<b>2457.</b>	<b>1230.</b>	<b>10060.</b>	<b>1002.</b>	<b>124500.</b>
Stddev	452.	2.	9.	15.	5.	466.
%RSD	.3648	.0960	.7405	.1537	.5037	.3746

#1	123300.	2458.	1238.	10080.	997.0	124900.
#2	124100.	2454.	1232.	10060.	1002.	124600.
#3	124100.	2458.	1220.	10050.	1007.	123900.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1253.</b>	<b>2519.</b>	<b>4987.</b>	<b>12460.</b>	<b>100600.</b>	<b>49690.</b>
Stddev	1.	3.	25.	12.	163.	262.
%RSD	.1130	.1053	.5051	.0925	.1623	.5274

#1	1254.	2516.	5013.	12470.	100700.	49390.
#2	1253.	2521.	4985.	12470.	100400.	49790.
#3	1251.	2520.	4962.	12450.	100600.	49890.

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	<b>123500.</b>	<b>5048.</b>	<b>125100.</b>	<b>2519.</b>	<b>7543.</b>	<b>994.8</b>
Stddev	650.	10.	201.	2.	12.	1.6
%RSD	.5267	.2044	.1607	.0961	.1536	.1596

#1	124100.	5059.	124900.	2521.	7554.	996.3
#2	123400.	5047.	125300.	2518.	7544.	994.9
#3	122800.	5038.	125000.	2517.	7531.	993.1

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

Sample Name: CCV      Acquired: 4/19/2016 15:53:28      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2473.</b>	<b>2560.</b>	<b>2503.</b>	<b>2533.</b>	<b>1003.</b>	<b>2505.</b>
Stddev	14.	9.	5.	6.	3.	1.
%RSD	.5780	.3595	.1970	.2391	.2822	.0325

#1	2457.	2552.	2508.	2527.	999.6	2505.
#2	2478.	2570.	2504.	2539.	1005.	2505.
#3	2485.	2557.	2498.	2532.	1003.	2504.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1007.</b>	<b>5035.</b>	<b>9991.</b>	<b>9869.</b>
Stddev	2.	24.	19.	31.
%RSD	.1707	.4840	.1892	.3175

#1	1005.	5008.	9997.	9850.
#2	1009.	5043.	9970.	9852.
#3	1007.	5054.	10010.	9905.

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	<b>2752.1</b>	<b>34713.</b>	<b>4864.5</b>
Stddev	8.0	182.	35.3
%RSD	.29178	.52511	.72598

#1	2751.8	34545.	4904.4
#2	2744.2	34688.	4837.3
#3	2760.3	34907.	4851.8

Sample Name: CCB      Acquired: 4/19/2016 15:57:23      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-15.31</b>	<b>-1.839</b>	<b>.1364</b>	<b>1.503</b>	<b>.1161</b>	<b>-7.720</b>
Stddev	6.50	1.007	.0961	2.095	.0822	2.152
%RSD	42.46	547.4	70.47	139.4	70.82	27.88
#1	-9.283	-1.338	.0820	.5499	.0627	-8.486
#2	-14.45	.2706	.2474	3.906	.2107	-9.384
#3	-22.20	.5155	.0798	.0537	.0747	-5.289

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1648</b>	<b>.4137</b>	<b>.6385</b>	<b>.3983</b>	<b>-1.553</b>	<b>23.87</b>
Stddev	.3252	.6032	.1702	.3380	10.57	23.81
%RSD	197.3	145.8	26.66	84.86	681.1	99.75
#1	.0239	.1906	.7052	.7886	6.864	16.42
#2	.5368	1.097	.7653	.2021	-13.42	4.674
#3	-.0661	-.0461	.4450	.2042	1.900	50.51

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-14.13</b>	<b>.0420</b>	<b>45.62</b>	<b>.1134</b>	<b>.2328</b>	<b>.1509</b>
Stddev	4.12	.0626	9.53	.3444	2.652	1.324
%RSD	29.20	149.0	20.89	303.7	1139.	877.4
#1	-10.91	-.0163	54.70	.3781	-2.131	1.531
#2	-12.69	.0341	35.70	.2379	3.101	-1.109
#3	-18.78	.1083	46.45	-.2759	-.2716	.0314

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

Sample Name: CCB      Acquired: 4/19/2016 15:57:23      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.3296</b>	<b>1.134</b>	<b>.2174</b>	<b>.3641</b>	<b>.6915</b>	<b>1.209</b>
Stddev	1.547	1.631	.4634	.8037	.6820	.623
%RSD	469.3	143.9	213.2	220.7	98.63	51.52
#1	-1.628	2.677	.3490	-.0833	1.015	1.383
#2	-.7424	1.298	-.2976	1.292	1.151	1.726
#3	1.382	-.5731	.6007	-.1163	-.0921	.5174

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.3210</b>	<b>.0826</b>	<b>.5553</b>	<b>9.202</b>
Stddev	.4378	.1220	.0068	19.10
%RSD	136.4	147.7	1.216	207.6
#1	.0787	.1097	.5556	15.35
#2	.0579	.1887	.5619	-12.22
#3	.8263	-.0507	.5484	24.47

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	<b>2963.1</b>	<b>37074.</b>	<b>4968.3</b>
Stddev	9.8	98.	12.8
%RSD	.32990	.26441	.25852
#1	2956.7	36977.	4962.5
#2	2958.3	37073.	4983.0
#3	2974.4	37173.	4959.4

Sample Name: CCVL      Acquired: 4/19/2016 16:01:35      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	196.2	15.41	10.10	211.1	2.104	5051.
Stddev	16.9	2.68	.73	.9	.020	31.
%RSD	8.598	17.41	7.241	.4328	.9676	.6108

#1	213.0	15.23	9.777	211.1	2.094	5022.
#2	196.3	18.19	10.93	212.0	2.091	5048.
#3	179.3	12.83	9.580	210.1	2.128	5083.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.217	53.62	10.49	24.73	148.5	4861.
Stddev	.200	.27	.35	.37	9.8	64.
%RSD	4.730	.5082	3.376	1.505	6.590	1.311

#1	4.273	53.67	10.64	24.87	139.2	4788.
#2	4.384	53.87	10.09	25.02	147.6	4908.
#3	3.996	53.33	10.74	24.31	158.7	4886.

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	4843.	15.95	4979.	43.31	11.55	19.39
Stddev	21.	.03	15.	.31	.16	.82
%RSD	.4435	.1716	.2967	.7144	1.365	4.205

#1	4824.	15.95	4996.	43.18	11.60	18.62
#2	4840.	15.97	4967.	43.66	11.68	19.32
#3	4867.	15.92	4976.	43.08	11.38	20.24

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



Sample Name: CCVL      Acquired: 4/19/2016 16:01:35      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.81	22.62	51.12	32.00	50.38	20.61
Stddev	1.93	.34	.33	.57	.36	.28
%RSD	9.296	1.511	.6405	1.793	.7133	1.378
#1	18.58	22.66	50.82	31.46	50.66	20.44
#2	21.75	22.27	51.47	32.60	50.50	20.93
#3	22.09	22.95	51.06	31.94	49.97	20.44

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	50.51	20.71	20.63	F 26.59
Stddev	.41	.02	.16	8.44
%RSD	.8034	.0867	.7756	31.74
#1	50.21	20.73	20.79	18.13
#2	50.97	20.70	20.47	26.62
#3	50.35	20.71	20.63	35.01

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2962.2	37091.	4990.5
Stddev	9.5	197.	74.8
%RSD	.32086	.53152	1.4989
#1	2951.3	36961.	5019.9
#2	2966.4	37318.	4905.4
#3	2968.8	36994.	5046.1

Sample Name: 460-112146-A-1-C DU      Acquired: 4/19/2016 16:22:41      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>9.563</b>	<b>-.7735</b>	<b>.1170</b>	<b>7.432</b>	<b>.0551</b>	<b>7614.</b>
Stddev	9.501	.7234	.1945	.157	.1256	23.
%RSD	99.35	93.52	166.2	2.116	227.8	.3011
#1	18.62	-.4021	-.0998	7.444	.1706	7623.
#2	-.3267	-.3112	.1750	7.584	.0734	7588.
#3	10.40	-1.607	.2759	7.270	-.0786	7631.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.078</b>	<b>5.626</b>	<b>.8195</b>	<b>.6698</b>	<b>123.6</b>	<b>167.3</b>
Stddev	.136	.235	.1994	.1944	11.1	24.7
%RSD	4.411	4.175	24.33	29.02	8.979	14.78
#1	3.077	5.896	.6012	.8671	136.3	144.0
#2	2.943	5.467	.8652	.4786	116.0	164.7
#3	3.214	5.515	.9920	.6637	118.5	193.3

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>194.6</b>	<b>84.45</b>	<b>29100.</b>	<b>8.059</b>	<b>471.8</b>	<b>.7613</b>
Stddev	4.2	.12	124.	.226	3.3	.9924
%RSD	2.152	.1461	.4268	2.805	.7037	130.4
#1	197.6	84.57	29220.	8.311	475.5	.0015
#2	196.4	84.32	29080.	7.991	469.0	.3983
#3	189.8	84.46	28980.	7.875	471.0	1.884

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

Sample Name: 460-112146-A-1-C DU      Acquired: 4/19/2016 16:22:41      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.471</b>	<b>.8074</b>	<b>.1246</b>	<b>1035.</b>	<b>6.163</b>	<b>-.2544</b>
Stddev	.397	1.479	.2015	7.	.270	.2109
%RSD	26.96	183.2	161.7	.6811	4.378	82.88
#1	-1.176	-.7113	.0217	1038.	5.859	-.0609
#2	-1.314	2.244	.3568	1027.	6.373	-.2232
#3	-1.922	.8897	-.0046	1039.	6.256	-.4791

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.1526</b>	<b>24.04</b>	<b>.5416</b>	<b>77.98</b>
Stddev	.4938	.23	.0767	4.05
%RSD	323.5	.9439	14.16	5.191
#1	-.2780	24.23	.6166	81.92
#2	-.5716	24.09	.4633	78.19
#3	.3918	23.79	.5450	73.83

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2881.7</b>	<b>36020.</b>	<b>5033.7</b>
Stddev	18.6	58.	20.3
%RSD	.64654	.16049	.40420
#1	2896.1	36065.	5046.8
#2	2860.7	36040.	5043.9
#3	2888.5	35955.	5010.2

Sample Name: 460-112146-A-1-B@50      Acquired: 4/19/2016 16:26:49      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>26.09</b>	<b>-8.107</b>	<b>-0.0779</b>	<b>7.404</b>	<b>.0425</b>	<b>7573.</b>
Stddev	12.45	1.685	.5102	.045	.0419	27.
%RSD	47.70	207.8	655.1	.6077	98.62	.3524
#1	30.63	-1.153	.0534	7.452	-.0049	7557.
#2	35.64	-2.298	-.6409	7.396	.0748	7558.
#3	12.02	1.019	.3538	7.363	.0576	7604.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.157</b>	<b>5.514</b>	<b>.9763</b>	<b>.7063</b>	<b>109.4</b>	<b>153.6</b>
Stddev	.126	.034	.1503	.2747	7.7	31.9
%RSD	3.980	.6084	15.39	38.89	7.086	20.78
#1	3.280	5.553	.8096	1.012	117.0	184.9
#2	3.029	5.491	1.018	.6257	109.6	121.1
#3	3.162	5.498	1.101	.4810	101.5	154.7

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>190.0</b>	<b>83.79</b>	<b>28870.</b>	<b>7.774</b>	<b>470.2</b>	<b>1.483</b>
Stddev	2.4	.42	24.	.580	1.2	.956
%RSD	1.276	.4962	.0832	7.465	.2567	64.47
#1	190.8	83.70	28890.	7.833	469.4	.8879
#2	191.9	83.42	28850.	8.323	471.6	.9756
#3	187.3	84.24	28890.	7.167	469.6	2.586

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

Sample Name: 460-112146-A-1-B@50      Acquired: 4/19/2016 16:26:49      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.6027</b>	<b>.9553</b>	<b>.1183</b>	<b>1032.</b>	<b>5.528</b>	<b>-.2978</b>
Stddev	2.811	1.648	.4441	5.	.343	.0768
%RSD	466.4	172.5	375.3	.4556	6.210	25.78
#1	-2.982	2.315	.4139	1029.	5.911	-.3848
#2	-1.325	1.429	.3335	1037.	5.246	-.2689
#3	2.499	-.8777	-.3924	1030.	5.429	-.2397

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.5418</b>	<b>23.81</b>	<b>.4029</b>	<b>78.09</b>
Stddev	.7309	.20	.1971	3.52
%RSD	134.9	.8484	48.92	4.506
#1	-.1343	23.65	.1816	74.03
#2	1.317	23.74	.4676	80.28
#3	.4423	24.04	.5595	79.95

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	<b>2865.9</b>	<b>35839.</b>	<b>5005.9</b>
Stddev	15.8	156.	24.3
%RSD	.54971	.43530	.48542
#1	2882.5	35952.	5033.6
#2	2851.1	35903.	4995.7
#3	2864.1	35661.	4988.3

Sample Name: 460-112146-A-1-D MS      Acquired: 4/19/2016 16:35:07      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121.3	99.27	10.38	221.9	19.68	8064.
Stddev	7.3	3.10	.07	.4	.14	34.
%RSD	5.980	3.124	.7034	.2024	.7103	.4219

#1	121.1	99.50	10.40	221.8	19.82	8045.
#2	114.1	102.3	10.44	221.5	19.70	8103.
#3	128.6	96.06	10.30	222.4	19.54	8043.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.63	27.69	104.9	21.19	136.1	505.7
Stddev	.11	.27	.9	.08	6.0	19.6
%RSD	.4473	.9835	.8603	.3601	4.424	3.882

#1	24.52	27.60	103.8	21.11	143.0	524.6
#2	24.74	27.48	105.3	21.25	132.5	485.4
#3	24.62	28.00	105.5	21.22	132.6	507.1

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	600.2	106.8	29720.	30.91	589.8	18.90
Stddev	6.4	.4	77.	.78	2.0	.62
%RSD	1.064	.4030	.2592	2.512	.3474	3.278

#1	592.8	106.4	29730.	30.21	587.5	18.41
#2	603.7	107.3	29800.	31.75	590.5	19.60
#3	604.0	106.8	29640.	30.77	591.4	18.70

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

Sample Name: 460-112146-A-1-D MS      Acquired: 4/19/2016 16:35:07      Type: Unk  
 Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
 User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>21.39</b>	<b>21.90</b>	<b>10.57</b>	<b>1048.</b>	<b>25.74</b>	<b>20.12</b>
Stddev	.86	1.53	.26	1.	.58	.39
%RSD	4.005	7.003	2.437	.1382	2.267	1.926
#1	22.06	20.22	10.48	1049.	25.22	19.96
#2	21.69	23.22	10.87	1049.	26.37	19.83
#3	20.43	22.26	10.38	1046.	25.64	20.56

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>20.65</b>	<b>44.02</b>	<b>20.60</b>	<b>76.37</b>
Stddev	.38	.15	.17	18.22
%RSD	1.863	.3503	.8078	23.86
#1	20.23	43.96	20.43	57.31
#2	20.98	44.19	20.76	78.17
#3	20.75	43.90	20.62	93.63

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2867.2</b>	<b>35847.</b>	<b>4959.7</b>
Stddev	18.8	368.	18.0
%RSD	.65445	1.0268	.36362
#1	2865.7	35793.	4951.3
#2	2849.2	35509.	4947.4
#3	2886.6	36239.	4980.4

Sample Name: 680-123425-D-7-A@5      Acquired: 4/19/2016 16:43:03      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2473.	5.736	-1.1952	4.497	5.400	110200.
Stddev	7.	1.760	.4118	.302	.115	255.
%RSD	.2630	30.69	210.9	6.726	2.121	.2311

#1	2480.	7.344	.0555	4.846	5.437	110100.
#2	2472.	6.009	.0293	4.316	5.271	110500.
#3	2467.	3.855	-.6704	4.329	5.491	110100.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8721	8.366	11.84	160.1	-3.354	6086.
Stddev	.0677	.148	.52	.3	17.43	10.
%RSD	7.765	1.767	4.363	.2067	519.6	.1690

#1	.9409	8.315	12.40	160.5	14.52	6075.
#2	.8056	8.250	11.38	159.9	-4.275	6095.
#3	.8698	8.532	11.75	160.0	-20.30	6088.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15710.	259.7	F 498500.	51.96	-.6675	-1.325
Stddev	10.	.4	2853.	.72	1.385	.436
%RSD	.0618	.1732	.5723	1.376	207.5	32.89

#1	15710.	259.9	498600.	51.20	-.6483	-1.780
#2	15720.	260.0	501300.	52.06	.7080	-.9117
#3	15700.	259.2	495600.	52.62	-2.062	-1.282

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



Sample Name: 680-123425-D-7-A@5      Acquired: 4/19/2016 16:43:03      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-2.779</b>	<b>-.4592</b>	<b>.4258</b>	<b>219.6</b>	<b>137.4</b>	<b>-.1359</b>
Stddev	1.478	1.957	.6592	.5	.7	.2024
%RSD	53.17	426.2	154.8	.2160	.4903	149.0
#1	-3.361	-1.939	.3176	220.2	137.9	.0978
#2	-1.099	-1.199	-.1727	219.3	136.6	-.2496
#3	-3.877	1.760	1.132	219.4	137.6	-.2559

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.5489</b>	<b>1183.</b>	<b>.6997</b>	<b>4785.</b>
Stddev	.3724	1.	.1187	31.
%RSD	67.84	.0649	16.96	.6549
#1	-.1879	1183.	.6502	4815.
#2	-.5271	1184.	.6138	4752.
#3	-.9316	1183.	.8351	4788.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3156.4</b>	<b>39198.</b>	<b>5744.0</b>
Stddev	18.1	352.	71.7
%RSD	.57452	.89743	1.2485
#1	3149.2	39185.	5730.6
#2	3143.0	38853.	5679.9
#3	3177.0	39556.	5821.4

Sample Name: sd 460-112146-A-1-B      Acquired: 4/19/2016 16:30:57      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-4.601</b>	<b>-.6026</b>	<b>-.3001</b>	<b>1.365</b>	<b>.0920</b>	<b>1452.</b>
Stddev	14.81	.2158	.7817	.110	.1067	14.
%RSD	321.9	35.81	260.5	8.076	116.1	.9857
#1	-14.63	-.3763	.0231	1.288	.2149	1436.
#2	-11.58	-.8061	-1.192	1.317	.0223	1458.
#3	12.41	-.6254	.2682	1.492	.0388	1463.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.5019</b>	<b>1.138</b>	<b>.4435</b>	<b>-.2823</b>	<b>11.34</b>	<b>50.13</b>
Stddev	.1029	.221	.3267	.2019	9.36	7.71
%RSD	20.51	19.40	73.66	71.53	82.60	15.39
#1	.4016	1.374	.6954	-.3887	1.720	42.48
#2	.4968	1.102	.0744	-.0494	20.43	57.91
#3	.6073	.9372	.5608	-.4088	11.86	50.00

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>26.46</b>	<b>16.26</b>	<b>5643.</b>	<b>1.372</b>	<b>92.77</b>	<b>.5810</b>
Stddev	.51	.08	10.	.535	2.51	.3390
%RSD	1.929	.4672	.1694	39.02	2.704	58.34
#1	26.03	16.17	5647.	1.989	91.51	.9692
#2	27.02	16.29	5651.	1.092	95.65	.3439
#3	26.32	16.32	5633.	1.034	91.13	.4298

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

Sample Name: sd 460-112146-A-1-B      Acquired: 4/19/2016 16:30:57      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.822</b>	<b>.5277</b>	<b>.2143</b>	<b>198.0</b>	<b>.1768</b>	<b>-.1611</b>
Stddev	.870	1.240	.4730	1.0	.6434	.1367
%RSD	47.72	235.0	220.8	.5009	363.9	84.91
#1	1.304	1.491	-.2670	197.1	.6286	-.3154
#2	1.336	.9639	.6787	197.7	.4616	-.1127
#3	2.826	-.8713	.2311	199.1	-.5598	-.0551

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.3997</b>	<b>4.630</b>	<b>.0401</b>	<b>26.51</b>
Stddev	.9545	.073	.1822	16.73
%RSD	238.8	1.580	454.7	63.10
#1	.8311	4.641	.1632	8.216
#2	1.062	4.552	-.1692	30.29
#3	-.6943	4.697	.1263	41.03

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2891.7</b>	<b>36028.</b>	<b>4956.6</b>
Stddev	21.8	394.	11.0
%RSD	.75442	1.0934	.22154
#1	2912.3	36447.	4952.7
#2	2894.0	35971.	4969.0
#3	2868.9	35665.	4948.1

Sample Name: 460-112123-A-2-A      Acquired: 4/19/2016 16:55:31      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	115.8	1.386	.0411	33.45	.1271	21430.
Stddev	20.5	1.616	.2645	.08	.0344	96.
%RSD	17.66	116.6	644.4	.2519	27.10	.4482

#1	94.26	2.373	.2773	33.42	.1146	21330.
#2	118.3	-.4791	.0907	33.55	.1660	21520.
#3	135.0	2.265	-.2448	33.39	.1006	21450.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0182	-.0599	.8571	54.84	637.6	56170.
Stddev	.0447	.0853	.9138	.33	8.2	103.
%RSD	245.2	142.4	106.6	.5934	1.292	.1831

#1	-.0034	-.0970	1.400	54.47	646.5	56240.
#2	-.0685	.0377	-.1979	55.08	635.9	56060.
#3	.0172	-.1204	1.370	54.97	630.3	56230.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7291.	10.15	F 270200.	2.179	2.696	-.0696
Stddev	34.	.12	2883.	.387	1.723	.6891
%RSD	.4607	1.188	1.067	17.74	63.92	990.8

#1	7282.	10.03	267200.	1.921	.7851	-.6326
#2	7328.	10.27	270400.	2.624	4.132	-.2749
#3	7263.	10.15	273000.	1.994	3.170	.6989

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

Sample Name: 460-112123-A-2-A      Acquired: 4/19/2016 16:55:31      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.5498</b>	<b>.4691</b>	<b>.4455</b>	<b>38.67</b>	<b>42.21</b>	<b>.7321</b>
Stddev	2.032	.2854	.1694	.54	.24	.2568
%RSD	369.6	60.85	38.04	1.405	.5591	35.08
#1	.6041	.4418	.4758	38.44	42.08	.5982
#2	.6428	.1983	.5977	38.28	42.06	.5698
#3	-2.896	.7672	.2629	39.29	42.48	1.028

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.962</b>	<b>112.5</b>	<b>71.73</b>	<b>2029.</b>
Stddev	.582	.4	2.82	25.
%RSD	29.65	.3432	3.933	1.233
#1	1.629	112.9	69.75	2057.
#2	2.634	112.2	70.49	2023.
#3	1.623	112.3	74.96	2008.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2762.0</b>	<b>34042.</b>	<b>5002.4</b>
Stddev	20.4	334.	58.8
%RSD	.73686	.98006	1.1760
#1	2784.0	34426.	5058.6
#2	2758.0	33869.	5007.4
#3	2743.9	33830.	4941.2

Sample Name: 460-112365-A-1-B DU      Acquired: 4/19/2016 16:59:50      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	421.9	34.85	-.2853	3.801	.4126	10380.
Stddev	9.5	1.95	.8092	.105	.0423	43.
%RSD	2.246	5.599	283.6	2.764	10.25	.4176
#1	424.3	37.10	.3992	3.765	.4530	10330.
#2	411.5	33.84	-.0766	3.919	.3687	10410.
#3	430.0	33.61	-1.178	3.718	.4160	10400.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8983	11.78	17.12	256.1	3462.	12160.
Stddev	.0622	.33	.92	.8	14.	21.
%RSD	6.920	2.824	5.397	.3226	.4183	.1752
#1	.8550	11.95	16.14	255.2	3445.	12160.
#2	.8704	11.40	17.97	256.4	3469.	12140.
#3	.9696	11.99	17.24	256.7	3471.	12180.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8912.	1996.	F 958300.	223.7	-.3634	20.60
Stddev	33.	2.	3676.	1.6	2.144	1.00
%RSD	.3664	.1142	.3836	.7069	590.1	4.860
#1	8875.	1994.	958300.	221.9	-.9628	21.73
#2	8933.	1999.	962000.	224.7	2.017	20.25
#3	8929.	1996.	954600.	224.5	-2.144	19.83

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

Sample Name: 460-112365-A-1-B DU      Acquired: 4/19/2016 16:59:50      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.732</b>	<b>-5.713</b>	<b>1.691</b>	<b>747.4</b>	<b>348.9</b>	<b>18.41</b>
Stddev	1.169	1.517	.294	3.3	1.2	.29
%RSD	31.32	26.56	17.38	.4367	.3418	1.595
#1	2.491	-7.250	1.675	743.6	347.7	18.22
#2	3.892	-4.216	1.405	749.1	350.0	18.75
#3	4.812	-5.673	1.992	749.5	349.1	18.26

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.8017</b>	<b>56.49</b>	<b>3.914</b>	<b>15140.</b>
Stddev	.1146	.19	.854	139.
%RSD	14.29	.3324	21.82	.9155
#1	.8812	56.50	3.535	15010.
#2	.6703	56.29	3.314	15290.
#3	.8535	56.67	4.892	15110.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2587.6</b>	<b>32104.</b>	<b>4911.7</b>
Stddev	18.7	196.	33.7
%RSD	.72450	.61168	.68512
#1	2608.6	32331.	4919.7
#2	2572.4	31982.	4940.5
#3	2581.9	32000.	4874.7

Sample Name: pds 460-112146-A-1-B      Acquired: 4/19/2016 16:39:12      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2089.</b>	<b>2032.</b>	<b>53.22</b>	<b>2142.</b>	<b>50.01</b>	<b>28110.</b>
Stddev	15.	7.	.18	8.	.37	56.
%RSD	.7261	.3519	.3394	.3573	.7345	.1986
#1	2075.	2031.	53.21	2135.	49.61	28170.
#2	2087.	2026.	53.05	2142.	50.06	28070.
#3	2105.	2040.	53.41	2150.	50.34	28080.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>55.78</b>	<b>535.3</b>	<b>216.9</b>	<b>252.9</b>	<b>1130.</b>	<b>18720.</b>
Stddev	.33	2.4	1.4	2.5	8.	35.
%RSD	.5895	.4404	.6643	.9831	.7254	.1867
#1	55.47	533.9	217.8	251.5	1136.	18690.
#2	55.74	533.9	215.3	251.5	1133.	18700.
#3	56.12	538.0	217.7	255.8	1120.	18760.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>20570.</b>	<b>611.1</b>	<b>49700.</b>	<b>561.9</b>	<b>1020.</b>	<b>485.2</b>
Stddev	44.	.9	109.	2.4	3.	4.4
%RSD	.2160	.1459	.2198	.4315	.2922	.8980
#1	20600.	610.6	49580.	559.7	1017.	481.2
#2	20520.	610.6	49740.	561.4	1021.	484.6
#3	20600.	612.1	49790.	564.5	1022.	489.8

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



Sample Name: pds 460-112146-A-1-B      Acquired: 4/19/2016 16:39:12      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2070.	2222.	524.1	1512.	544.5	522.1
Stddev	5.	2.	2.0	5.	2.9	3.7
%RSD	.2508	.0777	.3845	.3022	.5418	.7153
#1	2067.	2221.	521.8	1516.	541.8	518.4
#2	2067.	2220.	525.0	1507.	544.0	522.1
#3	2076.	2224.	525.6	1512.	547.6	525.8

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	535.9	522.3	507.1	123.3
Stddev	2.5	1.7	1.6	16.3
%RSD	.4683	.3162	.3251	13.21
#1	534.5	521.3	506.5	137.4
#2	534.5	521.4	505.7	105.4
#3	538.8	524.2	508.9	126.9

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2817.0	35130.	4954.6
Stddev	9.2	236.	15.9
%RSD	.32654	.67254	.32071
#1	2806.4	34916.	4966.9
#2	2821.7	35089.	4936.7
#3	2822.9	35384.	4960.1

Sample Name: 680-123425-E-7-A@5      Acquired: 4/19/2016 16:47:17      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3190.	3.850	-3584	3.933	4.390	105000.
Stddev	11.	.828	.5060	.065	.030	37.
%RSD	.3384	21.50	141.2	1.644	.6772	.0353

#1	3178.	4.255	.0782	3.932	4.419	105000.
#2	3194.	4.397	-.9130	3.998	4.359	105000.
#3	3199.	2.898	-.2403	3.868	4.390	105000.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8108	8.712	12.93	126.1	102.3	5848.
Stddev	.0237	.156	.72	1.5	10.4	13.
%RSD	2.919	1.785	5.582	1.151	10.17	.2210

#1	.7891	8.757	12.66	125.0	112.2	5850.
#2	.8361	8.539	12.38	127.7	103.4	5860.
#3	.8073	8.840	13.75	125.5	91.43	5834.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13900.	361.2	F 464300.	46.46	-1.129	-2.483
Stddev	16.	.7	2543.	.60	.786	.881
%RSD	.1147	.1969	.5476	1.293	69.57	35.46

#1	13920.	360.4	467100.	45.82	-.2312	-3.486
#2	13900.	361.8	462100.	46.54	-1.468	-1.836
#3	13890.	361.4	463800.	47.01	-1.689	-2.128

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

Sample Name: 680-123425-E-7-A@5      Acquired: 4/19/2016 16:47:17      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.2753</b>	<b>-.2543</b>	<b>.1131</b>	<b>207.1</b>	<b>108.8</b>	<b>.0251</b>
Stddev	1.457	1.314	.2583	.7	.6	.1260
%RSD	529.0	516.7	228.5	.3463	.5763	501.4
#1	<b>-.8463</b>	<b>1.227</b>	<b>.4111</b>	<b>206.4</b>	<b>108.1</b>	<b>.0418</b>
#2	<b>-.2492</b>	<b>-1.280</b>	<b>-.0252</b>	<b>207.1</b>	<b>108.7</b>	<b>-.1084</b>
#3	<b>1.921</b>	<b>-.7106</b>	<b>-.0468</b>	<b>207.8</b>	<b>109.4</b>	<b>.1420</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.2802</b>	<b>1086.</b>	<b>1.220</b>	<b>5216.</b>
Stddev	.2258	2.	.054	11.
%RSD	80.59	.2182	4.431	.2054
#1	<b>-.0344</b>	<b>1083.</b>	<b>1.253</b>	<b>5207.</b>
#2	<b>-.3277</b>	<b>1085.</b>	<b>1.249</b>	<b>5228.</b>
#3	<b>-.4786</b>	<b>1088.</b>	<b>1.157</b>	<b>5214.</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3079.8</b>	<b>38024.</b>	<b>5624.3</b>
Stddev	4.7	88.	14.9
%RSD	.15141	.23029	.26515
#1	<b>3074.5</b>	<b>38010.</b>	<b>5608.0</b>
#2	<b>3081.7</b>	<b>37944.</b>	<b>5637.3</b>
#3	<b>3083.2</b>	<b>38117.</b>	<b>5627.6</b>

Sample Name: pds 460-112378-D-1-A      Acquired: 4/19/2016 16:51:32      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2281.</b>	<b>2014.</b>	<b>51.67</b>	<b>2205.</b>	<b>47.70</b>	<b>177300.</b>
Stddev	33.	4.	.40	4.	.05	542.
%RSD	1.459	.2226	.7748	.2012	.0992	.3058

#1	<b>2286.</b>	<b>2015.</b>	<b>52.10</b>	<b>2200.</b>	<b>47.65</b>	<b>177100.</b>
#2	<b>2312.</b>	<b>2009.</b>	<b>51.61</b>	<b>2205.</b>	<b>47.70</b>	<b>176800.</b>
#3	<b>2246.</b>	<b>2018.</b>	<b>51.31</b>	<b>2209.</b>	<b>47.74</b>	<b>177900.</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>49.66</b>	<b>488.7</b>	<b>204.6</b>	<b>247.1</b>	<b>1066.</b>	<b>26580.</b>
Stddev	.08	.6	.9	.9	4.	81.
%RSD	.1572	.1191	.4428	.3767	.4008	.3057

#1	<b>49.61</b>	<b>488.3</b>	<b>205.5</b>	<b>247.4</b>	<b>1071.</b>	<b>26630.</b>
#2	<b>49.75</b>	<b>488.5</b>	<b>203.7</b>	<b>247.9</b>	<b>1063.</b>	<b>26620.</b>
#3	<b>49.62</b>	<b>489.4</b>	<b>204.5</b>	<b>246.1</b>	<b>1064.</b>	<b>26490.</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>57100.</b>	<b>1190.</b>	<b>F 416700.</b>	<b>516.0</b>	<b>510.7</b>	<b>471.9</b>
Stddev	154.	2.	6849.	.9	4.7	1.5
%RSD	.2689	.1319	1.644	.1835	.9178	.3090

#1	<b>56930.</b>	<b>1191.</b>	<b>420800.</b>	<b>515.0</b>	<b>505.3</b>	<b>471.4</b>
#2	<b>57120.</b>	<b>1189.</b>	<b>420500.</b>	<b>516.4</b>	<b>513.5</b>	<b>473.6</b>
#3	<b>57240.</b>	<b>1192.</b>	<b>408800.</b>	<b>516.7</b>	<b>513.3</b>	<b>470.8</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Fail</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
High Limit			<b>250000.</b>			
Low Limit			<b>-5000.</b>			

Sample Name: pds 460-112378-D-1-A      Acquired: 4/19/2016 16:51:32      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2053.</b>	<b>1959.</b>	<b>500.4</b>	<b>549.0</b>	<b>720.5</b>	<b>490.1</b>
Stddev	3.	8.	1.5	1.0	.8	1.4
%RSD	.1628	.3953	.2933	.1736	.1085	.2775
#1	2050.	1958.	501.4	548.9	719.6	488.8
#2	2052.	1952.	501.1	548.0	721.2	490.1
#3	2057.	1967.	498.8	550.0	720.7	491.5

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>504.7</b>	<b>1192.</b>	<b>483.0</b>	<b>9208.</b>
Stddev	1.5	2.	.6	49.
%RSD	.3020	.1435	.1272	.5328
#1	502.9	1192.	482.7	9153.
#2	505.6	1193.	483.7	9247.
#3	505.5	1190.	482.6	9223.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2693.1</b>	<b>33405.</b>	<b>4837.0</b>
Stddev	15.9	307.	5.1
%RSD	.59215	.92007	.10585
#1	2707.7	33677.	4842.9
#2	2695.5	33466.	4834.6
#3	2676.1	33072.	4833.6

Sample Name: CCV      Acquired: 4/19/2016 17:04:03      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>128100.</b>	<b>2552.</b>	<b>1310.</b>	<b>10410.</b>	<b>979.9</b>	<b>128200.</b>
Stddev	287.	12.	8.	20.	8.6	254.
%RSD	.2238	.4551	.6225	.1945	.8727	.1981

#1	127900.	2557.	1318.	10430.	971.9	128200.
#2	128000.	2560.	1309.	10400.	979.0	128000.
#3	128400.	2538.	1302.	10400.	988.9	128500.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1278.</b>	<b>2534.</b>	<b>5214.</b>	<b>12560.</b>	<b>98350.</b>	<b>49010.</b>
Stddev	1.	4.	10.	43.	652.	158.
%RSD	.0681	.1410	.1998	.3393	.6631	.3231

#1	1278.	2538.	5203.	12610.	97870.	48850.
#2	1277.	2532.	5214.	12540.	98080.	49000.
#3	1279.	2532.	5224.	12530.	99090.	49170.

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	<b>129000.</b>	<b>5133.</b>	<b>128300.</b>	<b>2614.</b>	<b>7857.</b>	<b>992.7</b>
Stddev	223.	9.	156.	5.	10.	1.9
%RSD	.1724	.1688	.1219	.1972	.1249	.1896

#1	129300.	5134.	128100.	2619.	7862.	992.6
#2	128900.	5124.	128300.	2615.	7862.	994.6
#3	129000.	5142.	128400.	2609.	7845.	990.9

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

Sample Name: CCV      Acquired: 4/19/2016 17:04:03      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2553.	2540.	2538.	2519.	1036.	2572.
Stddev	10.	11.	8.	9.	4.	1.
%RSD	.4024	.4425	.3215	.3746	.3662	.0533

#1	2559.	2528.	2538.	2510.	1038.	2573.
#2	2559.	2550.	2530.	2519.	1038.	2572.
#3	2541.	2541.	2546.	2529.	1031.	2571.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1033.	4964.	9950.	9784.
Stddev	2.	16.	66.	82.
%RSD	.1597	.3276	.6590	.8431

#1	1033.	4946.	10010.	9724.
#2	1035.	4975.	9881.	9878.
#3	1032.	4973.	9957.	9749.

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	2690.8	33883.	4869.9
Stddev	7.1	76.	71.3
%RSD	.26404	.22491	1.4648

#1	2698.9	33954.	4928.4
#2	2687.7	33891.	4890.8
#3	2685.8	33803.	4790.4

Sample Name: 460-112350-A-23-A      Acquired: 4/19/2016 17:37:02      Type: QC

Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -5.050	F .2284	F -.0120	F .0352	F .0042	F -8.577
Stddev	7.676	2.168	.4586	.3377	.0876	3.592
%RSD	152.0	949.1	3822.	959.6	2085.	41.88

#1	3.666	-1.341	.3900	-.2200	-.0746	-12.67
#2	-10.80	-.6755	.0854	-.0926	-.0112	-5.927
#3	-8.013	2.702	-.5115	.4181	.0985	-7.138

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2000.	2000.	50.00	2000.	50.00	20000.
Range	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F .0038	F -.1113	F .2069	F -.2314	F -4.115	F 24.93
Stddev	.1256	.4661	.3621	.0916	13.02	5.71
%RSD	3341.	418.9	175.0	39.57	316.4	22.90

#1	.0353	.3066	.6112	-.1568	-17.94	29.55
#2	-.1346	-.6139	.0968	-.2037	7.902	26.70
#3	.1106	-.0265	-.0873	-.3336	-2.303	18.55

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	50.00	500.0	200.0	250.0	1000.	20000.
Range	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -14.66	F -.0326	F 167.1	F -.2716	F -.2788	F .9647
Stddev	2.08	.0065	5.8	.2978	.7835	.6157
%RSD	14.17	19.84	3.484	109.7	281.1	63.83

#1	-16.95	-.0359	173.7	-.2608	-.3866	.4472
#2	-12.92	-.0252	165.0	.0207	-1.003	1.646
#3	-14.09	-.0368	162.7	-.5747	.5531	.8011

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	20000.	500.0	20000.	500.0	500.0	500.0
Range	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%



Sample Name: 460-112350-A-23-A      Acquired: 4/19/2016 17:37:02      Type: QC

Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -1.091	F -.8597	F -.0904	F 1.906	F 3.590	F .0488
Stddev	.986	1.137	.2712	.442	.099	.2140
%RSD	90.37	132.3	300.0	23.21	2.751	438.5

#1	-1.408	.1799	.2185	1.597	3.633	-.0309
#2	.0143	-.6850	-.2006	1.709	3.477	-.1139
#3	-1.880	-2.074	-.2892	2.413	3.660	.2912

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2000.	2000.	500.0	500.0	500.0	500.0
Range	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F .1869	F .0582	F .1002	48.29
Stddev	.5393	.0771	.2193	1.21
%RSD	288.5	132.5	218.9	2.512

#1	-.3557	.0079	-.1462	49.27
#2	.7229	.0197	.1729	48.68
#3	.1935	.1469	.2738	46.93

Check ?	Chk Fail	Chk Fail	Chk Fail	None
Value	500.0	500.0	500.0	
Range	-15.00%	-15.00%	-15.00%	

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2942.7	36650.	4985.5
Stddev	2.5	117.	32.0
%RSD	.08344	.31939	.64237

#1	2944.6	36770.	5010.1
#2	2943.6	36644.	4997.2
#3	2939.9	36536.	4949.3

Sample Name: LCS 460-363333/2-A      Acquired: 4/19/2016 17:45:30      Type: Unk

Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1886.	1836.	47.32	1917.	47.78	19260.
Stddev	26.	4.	1.07	5.	.05	131.
%RSD	1.362	.2103	2.253	.2393	.0989	.6787

#1	1914.	1840.	48.50	1921.	47.81	19380.
#2	1864.	1835.	47.04	1917.	47.72	19270.
#3	1880.	1833.	46.42	1912.	47.80	19120.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.75	490.1	199.2	228.0	981.1	17130.
Stddev	.23	.2	1.2	.6	4.9	93.
%RSD	.4663	.0377	.5990	.2531	.5026	.5434

#1	49.89	490.1	200.3	228.7	980.9	17080.
#2	49.87	490.3	199.3	227.8	976.2	17080.
#3	49.48	489.9	198.0	227.6	986.0	17240.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18830.	493.1	18680.	504.8	504.1	446.4
Stddev	122.	2.6	75.	1.7	.6	1.9
%RSD	.6498	.5300	.4031	.3380	.1132	.4156

#1	18950.	495.6	18740.	506.7	503.8	444.4
#2	18810.	493.3	18600.	504.3	503.7	446.6
#3	18710.	490.4	18700.	503.4	504.7	448.1

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

Sample Name: LCS 460-363333/2-A      Acquired: 4/19/2016 17:45:30      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1936.</b>	<b>2107.</b>	<b>481.7</b>	<b>516.0</b>	<b>486.0</b>	<b>468.2</b>
Stddev	8.	3.	2.4	1.3	.6	.6
%RSD	.4086	.1283	.5033	.2508	.1163	.1271
#1	1931.	2104.	484.3	517.4	485.5	467.9
#2	1945.	2109.	479.5	515.8	486.6	468.9
#3	1931.	2109.	481.4	514.9	485.8	467.8

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>493.3</b>	<b>464.9</b>	<b>474.8</b>	<b>46.91</b>
Stddev	1.3	3.7	.1	7.20
%RSD	.2720	.7859	.0186	15.35
#1	494.3	463.1	474.7	45.97
#2	493.9	462.5	474.8	54.53
#3	491.8	469.2	474.9	40.22

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2968.7</b>	<b>36326.</b>	<b>4937.4</b>
Stddev	8.9	198.	4.1
%RSD	.29881	.54450	.08273
#1	2961.7	36295.	4940.7
#2	2965.7	36145.	4938.7
#3	2978.7	36537.	4932.9

Sample Name: CCVL      Acquired: 4/19/2016 18:06:04      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	198.1	12.99	10.02	211.6	2.091	5157.
Stddev	8.7	2.01	.56	1.1	.113	32.
%RSD	4.403	15.47	5.611	.5002	5.411	.6175

#1	189.1	15.02	9.999	212.8	2.094	5137.
#2	206.5	11.00	10.59	211.2	2.203	5141.
#3	198.7	12.97	9.464	210.8	1.977	5194.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.208	53.75	10.67	24.67	151.5	4914.
Stddev	.112	.17	.31	.24	6.1	31.
%RSD	2.661	.3182	2.916	.9784	4.047	.6291

#1	4.243	53.90	10.40	24.94	145.4	4929.
#2	4.299	53.57	10.60	24.48	157.7	4935.
#3	4.083	53.79	11.01	24.58	151.4	4879.

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	4937.	16.20	5020.	43.12	11.67	20.03
Stddev	20.	.15	10.	.64	1.06	.11
%RSD	.4027	.9461	.2030	1.491	9.063	.5433

#1	4930.	16.18	5017.	42.59	12.02	20.01
#2	4922.	16.06	5032.	42.94	10.49	19.93
#3	4959.	16.37	5012.	43.83	12.52	20.15

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

Sample Name: CCVL      Acquired: 4/19/2016 18:06:04      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.51	22.27	52.11	32.45	50.87	20.50
Stddev	2.74	.51	.23	.09	.50	.17
%RSD	14.03	2.307	.4318	.2793	.9877	.8505

#1	16.39	21.68	52.29	32.56	51.13	20.67
#2	21.50	22.61	51.86	32.40	50.29	20.50
#3	20.63	22.52	52.18	32.39	51.19	20.32

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	51.12	20.75	20.87	F 21.66
Stddev	.26	.04	.14	12.23
%RSD	.5122	.2067	.6635	56.45

#1	51.32	20.78	20.90	33.01
#2	51.22	20.77	20.72	8.710
#3	50.82	20.70	20.99	23.27

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2948.4	36470.	4931.2
Stddev	2.1	128.	26.6
%RSD	.07017	.34973	.54036

#1	2946.1	36452.	4910.0
#2	2950.1	36606.	4922.5
#3	2949.0	36353.	4961.1

Sample Name: CCB      Acquired: 4/19/2016 17:08:00      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-12.00</b>	<b>.2200</b>	<b>-.2738</b>	<b>.1898</b>	<b>.0959</b>	<b>-29.45</b>
Stddev	1.28	1.467	.2061	.1945	.0582	3.05
%RSD	10.65	666.8	75.26	102.5	60.69	10.34

#1	-11.13	1.298	-.1578	.0488	.0395	-26.98
#2	-11.41	.8128	-.1519	.4117	.1558	-32.86
#3	-13.47	-1.450	-.5117	.1088	.0924	-28.52

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0902</b>	<b>-.0257</b>	<b>-.2665</b>	<b>-.0844</b>	<b>-10.03</b>	<b>35.11</b>
Stddev	.0386	.0819	.4893	.2257	6.08	23.57
%RSD	42.82	318.6	183.6	267.4	60.60	67.13

#1	-.0868	-.0700	-.5898	.0658	-15.55	37.75
#2	-.0534	.0688	.2965	-.3439	-11.03	10.33
#3	-.1305	-.0760	-.5061	.0249	-3.516	57.25

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-12.05</b>	<b>.1068</b>	<b>131.6</b>	<b>-.0277</b>	<b>1.616</b>	<b>.1212</b>
Stddev	1.82	.0439	73.5	.3811	1.771	2.849
%RSD	15.10	41.08	55.82	1377.	109.5	2351.

#1	-10.91	.1539	216.4	.2839	3.613	-2.013
#2	-11.09	.0994	85.16	-.4525	.2370	3.356
#3	-14.15	.0671	93.41	.0856	.9992	-.9794

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

Sample Name: CCB      Acquired: 4/19/2016 17:08:00      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.967</b>	<b>-.4610</b>	<b>-.2157</b>	<b>.2382</b>	<b>.1166</b>	<b>.9833</b>
Stddev	2.086	1.709	.2219	.2932	.3246	.2181
%RSD	106.1	370.7	102.9	123.1	278.4	22.18
#1	<b>-.6590</b>	<b>-2.434</b>	<b>-.4487</b>	<b>.0159</b>	<b>.4803</b>	<b>1.212</b>
#2	<b>-.8693</b>	<b>.5531</b>	<b>-.0069</b>	<b>.5705</b>	<b>-.1439</b>	<b>.9604</b>
#3	<b>-4.373</b>	<b>.4977</b>	<b>-.1914</b>	<b>.1281</b>	<b>.0135</b>	<b>.7775</b>

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.0710</b>	<b>.2274</b>	<b>.4154</b>	<b>12.53</b>
Stddev	.3817	.3404	.0840	3.63
%RSD	537.6	149.7	20.21	28.93
#1	<b>-.2112</b>	<b>.6150</b>	<b>.5104</b>	<b>15.62</b>
#2	<b>-.3628</b>	<b>-.0233</b>	<b>.3512</b>	<b>8.539</b>
#3	<b>.3610</b>	<b>.0905</b>	<b>.3845</b>	<b>13.44</b>

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	<b>2903.0</b>	<b>36181.</b>	<b>4892.3</b>
Stddev	14.9	132.	31.9
%RSD	.51493	.36437	.65269
#1	<b>2885.8</b>	<b>36038.</b>	<b>4856.5</b>
#2	<b>2910.9</b>	<b>36299.</b>	<b>4917.8</b>
#3	<b>2912.5</b>	<b>36205.</b>	<b>4902.7</b>

Sample Name: sd 460-112378-D-1-A      Acquired: 4/19/2016 18:10:14      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>69.73</b>	<b>.4175</b>	<b>.2468</b>	<b>41.98</b>	<b>-.0150</b>	<b>29710.</b>
Stddev	7.13	.7832	.1078	.11	.1785	162.
%RSD	10.22	187.6	43.67	.2643	1190.	.5451
#1	63.68	.1855	.3454	42.07	-.0593	29870.
#2	77.58	1.291	.2631	41.86	.1815	29550.
#3	67.93	-.2235	.1317	42.03	-.1672	29700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0512</b>	<b>-.1675</b>	<b>.2880</b>	<b>1.089</b>	<b>33.78</b>	<b>1675.</b>
Stddev	.0481	.1692	.2417	.186	13.89	39.
%RSD	93.95	101.0	83.91	17.05	41.11	2.355
#1	.0726	-.3607	.1553	.9208	43.14	1662.
#2	-.0039	-.0458	.1418	1.058	40.37	1643.
#3	.0850	-.0960	.5670	1.288	17.82	1719.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>7050.</b>	<b>138.2</b>	<b>76350.</b>	<b>1.414</b>	<b>-.4456</b>	<b>.4908</b>
Stddev	16.	.6	370.	.403	1.392	.8278
%RSD	.2202	.4383	.4849	28.51	312.4	168.7
#1	7068.	138.2	76770.	1.848	-1.840	-.1749
#2	7039.	137.5	76170.	1.051	.9444	.2296
#3	7044.	138.7	76100.	1.343	-.4416	1.418

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



Sample Name: sd 460-112378-D-1-A      Acquired: 4/19/2016 18:10:14      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.5871</b>	<b>1.019</b>	<b>.2527</b>	<b>9.576</b>	<b>36.61</b>	<b>.1504</b>
Stddev	1.523	1.170	.2546	.316	.24	.0820
%RSD	259.5	114.9	100.8	3.302	.6674	54.50
#1	-.6511	1.279	-.0412	9.808	36.73	.2406
#2	.1242	-.2597	.3932	9.216	36.77	.0803
#3	2.288	2.037	.4061	9.703	36.33	.1304

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.4101</b>	<b>144.5</b>	<b>1.161</b>	<b>1697.</b>
Stddev	.6339	.3	.116	15.
%RSD	154.6	.2009	10.01	.8583
#1	.8141	144.3	1.244	1709.
#2	-.3205	144.3	1.028	1681.
#3	.7366	144.8	1.211	1702.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2897.0</b>	<b>35701.</b>	<b>4877.2</b>
Stddev	4.9	163.	33.8
%RSD	.16765	.45576	.69323
#1	2898.5	35638.	4846.8
#2	2901.0	35885.	4913.6
#3	2891.6	35579.	4871.1

Sample Name: 460-112366-B-1-A      Acquired: 4/19/2016 18:18:25      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	229.1	17.19	-.0990	82.29	.0885	93740.
Stddev	14.1	.15	.0519	.25	.0968	286.
%RSD	6.154	.8940	52.40	.3089	109.4	.3046
#1	215.6	17.12	-.1377	82.15	.1973	93890.
#2	228.1	17.08	-.0401	82.14	.0564	93920.
#3	243.7	17.37	-.1191	82.59	.0118	93410.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0002	-.2898	-.0708	2.649	-7.919	18530.
Stddev	.0520	.0837	.3627	.232	4.812	140.
%RSD	30390.	28.89	512.0	8.753	60.76	.7566
#1	.0598	-.3861	.0169	2.596	-11.20	18690.
#2	-.0313	-.2496	-.4694	2.903	-2.395	18430.
#3	-.0290	-.2338	.2400	2.449	-10.16	18470.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28760.	50.84	F 460100.	.0348	.3593	1.566
Stddev	96.	.29	9252.	.9090	1.685	.663
%RSD	.3351	.5611	2.011	2613.	469.1	42.37
#1	28820.	50.57	467300.	-.2453	1.949	1.994
#2	28810.	51.14	463400.	-.7012	.5361	.8017
#3	28650.	50.82	449700.	1.051	-1.408	1.902

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

Sample Name: 460-112366-B-1-A      Acquired: 4/19/2016 18:18:25      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.2030</b>	<b>1.568</b>	<b>1.676</b>	<b>17.13</b>	<b>111.7</b>	<b>9.807</b>
Stddev	2.372	1.281	.237	.18	.6	.154
%RSD	1169.	81.71	14.15	1.046	.5626	1.570
#1	1.522	2.452	1.949	17.16	111.2	9.758
#2	.7775	.0987	1.553	16.94	111.5	9.684
#3	-2.908	2.152	1.525	17.30	112.4	9.980

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.2265</b>	<b>656.2</b>	<b>1.307</b>	<b>11050.</b>
Stddev	.6279	4.3	.030	121.
%RSD	277.2	.6526	2.299	1.097
#1	-4.298	661.0	1.337	11180.
#2	.8214	654.6	1.309	11040.
#3	.2880	652.9	1.277	10940.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2799.1</b>	<b>34365.</b>	<b>4816.7</b>
Stddev	8.6	129.	41.9
%RSD	.30657	.37460	.86969
#1	2801.0	34484.	4865.0
#2	2789.8	34229.	4790.0
#3	2806.7	34383.	4795.2

Sample Name: CCVL      Acquired: 4/19/2016 17:12:12      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>205.7</b>	<b>14.99</b>	<b>10.50</b>	<b>217.0</b>	<b>2.079</b>	<b>5196.</b>
Stddev	4.8	1.35	.25	.6	.145	45.
%RSD	2.329	9.010	2.354	.2644	6.991	.8582

#1	209.2	13.74	10.44	216.7	2.069	5155.
#2	207.6	14.80	10.29	217.7	1.939	5191.
#3	200.2	16.42	10.77	216.8	2.229	5243.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.073</b>	<b>53.97</b>	<b>10.77</b>	<b>24.56</b>	<b>162.9</b>	<b>4857.</b>
Stddev	.033	.18	.51	.08	7.4	21.
%RSD	.8210	.3391	4.719	.3397	4.551	.4245

#1	4.094	53.84	10.76	24.48	165.1	4834.
#2	4.090	54.18	10.26	24.56	154.7	4862.
#3	4.034	53.89	11.28	24.65	169.1	4874.

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	<b>5041.</b>	<b>16.16</b>	<b>5141.</b>	<b>44.23</b>	<b>11.85</b>	<b>19.32</b>
Stddev	19.	.14	16.	.23	.81	.76
%RSD	.3709	.8484	.3073	.5137	6.840	3.911

#1	5034.	16.11	5158.	44.43	11.02	20.08
#2	5027.	16.06	5127.	44.26	12.64	18.57
#3	5062.	16.32	5139.	43.98	11.90	19.30

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

Sample Name: CCVL      Acquired: 4/19/2016 17:12:12      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>20.58</b>	<b>21.77</b>	<b>51.84</b>	<b>31.90</b>	<b>51.52</b>	<b>21.13</b>
Stddev	.65	2.29	.44	.19	.51	.27
%RSD	3.146	10.53	.8564	.5810	.9909	1.273
#1	21.16	20.67	52.06	31.69	50.93	21.40
#2	20.70	24.40	51.33	31.99	51.81	21.13
#3	19.88	20.22	52.14	32.02	51.82	20.86

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>52.82</b>	<b>20.65</b>	<b>20.32</b>	<b>F 19.96</b>
Stddev	.91	.04	.15	17.89
%RSD	1.729	.1703	.7286	89.63
#1	51.89	20.64	20.34	14.15
#2	52.85	20.68	20.17	5.698
#3	53.72	20.61	20.47	40.04

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2896.3</b>	<b>36076.</b>	<b>4928.5</b>
Stddev	10.1	142.	47.7
%RSD	.34990	.39305	.96876
#1	2903.9	36238.	4873.5
#2	2884.8	35973.	4958.7
#3	2900.1	36017.	4953.4

Sample Name: 460-112380-D-2-A      Acquired: 4/19/2016 18:31:21      Type: Unk

Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2695.</b>	<b>5.501</b>	<b>.4059</b>	<b>71.09</b>	<b>.2479</b>	<b>157900.</b>
Stddev	46.	2.510	.4269	.28	.2133	555.
%RSD	1.696	45.62	105.2	.3935	86.04	.3513

#1	2691.	6.545	.8643	70.95	.2648	158500.
#2	2742.	2.637	.3339	71.41	.4523	157400.
#3	2651.	7.320	.0197	70.91	.0267	157900.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.106</b>	<b>.7830</b>	<b>9.320</b>	<b>47.95</b>	<b>14450.</b>	<b>F 261200.</b>
Stddev	.120	.1340	.153	.21	11.	677.
%RSD	10.84	17.11	1.641	.4368	.0728	.2593

#1	.9714	.6684	9.483	47.72	14440.	261400.
#2	1.202	.7502	9.300	48.12	14450.	261600.
#3	1.144	.9303	9.179	48.03	14460.	260400.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>13500.</b>	<b>54.45</b>	<b>F 606800.</b>	<b>6.880</b>	<b>22.95</b>	<b>2.388</b>
Stddev	33.	.20	9785.	.353	.86	1.813
%RSD	.2473	.3639	1.612	5.136	3.738	75.96

#1	13520.	54.55	616000.	6.548	23.52	1.475
#2	13460.	54.22	607900.	7.251	21.97	4.476
#3	13520.	54.57	596500.	6.841	23.37	1.212

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

Sample Name: 460-112380-D-2-A      Acquired: 4/19/2016 18:31:21      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-2.4566</b>	<b>2.136</b>	<b>13.35</b>	<b>93.73</b>	<b>196.3</b>	<b>.1299</b>
Stddev	2.541	2.155	.35	.56	.9	.2852
%RSD	556.6	100.9	2.631	.5940	.4601	219.5
#1	-2.515	-.2937	13.06	93.57	195.3	-.1381
#2	2.384	3.814	13.25	93.27	197.1	.4297
#3	-1.239	2.888	13.74	94.35	196.5	.0982

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>2.694</b>	<b>418.6</b>	<b>67.37</b>	<b>F 36190.</b>
Stddev	.363	1.5	.74	235.
%RSD	13.46	.3619	1.101	.6493
#1	3.011	417.5	67.08	35940.
#2	2.298	420.3	66.82	36210.
#3	2.772	417.8	68.22	36410.

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	<b>2819.4</b>	<b>35050.</b>	<b>5128.7</b>
Stddev	9.3	221.	37.8
%RSD	.32829	.62947	.73725
#1	2826.7	35040.	5085.2
#2	2822.5	35275.	5147.8
#3	2809.0	34834.	5153.2

Sample Name: 460-112365-A-1-A@2      Acquired: 4/19/2016 17:16:22      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	409.6	34.02	.3924	3.817	.3395	10270.
Stddev	4.0	.16	.0605	.080	.1190	52.
%RSD	.9865	.4764	15.43	2.083	35.05	.5040

#1	404.9	34.12	.3480	3.772	.3132	10220.
#2	412.4	34.11	.3679	3.908	.2359	10250.
#3	411.4	33.83	.4614	3.770	.4695	10320.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.060	11.89	17.30	254.2	3553.	12160.
Stddev	.022	.42	.32	.2	31.	71.
%RSD	2.121	3.566	1.838	.0976	.8629	.5877

#1	1.034	11.41	17.06	254.1	3521.	12110.
#2	1.076	12.07	17.17	254.4	3557.	12130.
#3	1.069	12.20	17.66	253.9	3582.	12240.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8716.	1981.	F 946100.	222.7	.3621	20.71
Stddev	55.	6.	3305.	.2	2.220	2.33
%RSD	.6345	.2834	.3493	.0860	613.0	11.26

#1	8663.	1977.	949900.	222.8	2.223	18.71
#2	8712.	1977.	944400.	222.9	-2.095	20.14
#3	8773.	1987.	944000.	222.5	.9586	23.27

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



Sample Name: 460-112365-A-1-A@2      Acquired: 4/19/2016 17:16:22      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.602</b>	<b>-2.986</b>	<b>1.689</b>	<b>758.8</b>	<b>347.5</b>	<b>17.95</b>
Stddev	.616	1.147	.110	2.5	1.1	.08
%RSD	13.39	38.42	6.532	.3318	.3144	.4216
#1	4.518	-2.873	1.809	756.2	346.9	18.02
#2	5.256	-4.186	1.669	761.2	348.7	17.96
#3	4.032	-1.900	1.591	758.9	346.8	17.87

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.1223</b>	<b>57.05</b>	<b>3.726</b>	<b>15150.</b>
Stddev	1.263	.08	.281	127.
%RSD	1033.	.1443	7.542	.8381
#1	-.9872	56.99	4.050	15130.
#2	1.327	57.15	3.549	15280.
#3	-.7063	57.03	3.578	15030.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2658.8</b>	<b>33020.</b>	<b>4942.9</b>
Stddev	12.0	299.	66.6
%RSD	.45043	.90563	1.3469
#1	2672.0	33239.	4994.1
#2	2648.7	33141.	4967.0
#3	2655.7	32679.	4867.7

Sample Name: LCS 460-363006/2-A      Acquired: 4/19/2016 18:48:24      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2015.	1926.	48.89	2037.	52.06	19920.
Stddev	22.	5.	.63	3.	.28	92.
%RSD	1.077	.2567	1.298	.1416	.5370	.4610

#1	2002.	1931.	48.97	2038.	51.76	19810.
#2	2004.	1927.	49.48	2040.	52.09	19990.
#3	2040.	1921.	48.22	2034.	52.31	19950.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.87	523.4	208.6	245.6	1048.	18560.
Stddev	.18	.6	.9	.2	6.	107.
%RSD	.3515	.1175	.4102	.0718	.5338	.5775

#1	51.90	524.0	208.2	245.7	1043.	18510.
#2	51.68	522.8	209.6	245.7	1046.	18500.
#3	52.04	523.5	208.0	245.4	1054.	18690.

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	19230.	519.1	19940.	529.0	524.1	482.2
Stddev	74.	1.3	39.	1.1	.6	.1
%RSD	.3822	.2437	.1956	.2005	.1221	.0285

#1	19150.	517.7	19920.	529.7	524.7	482.2
#2	19300.	520.0	19920.	529.5	524.1	482.3
#3	19240.	519.7	19990.	527.8	523.4	482.0

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

Sample Name: LCS 460-363006/2-A      Acquired: 4/19/2016 18:48:24      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1959.	2214.	516.3	536.3	505.3	505.3
Stddev	12.	2.	2.3	1.4	2.4	.5
%RSD	.6215	.0876	.4431	.2609	.4710	.0944

#1	1970.	2215.	513.8	535.5	507.3	505.2
#2	1961.	2211.	516.7	537.9	505.8	505.8
#3	1946.	2214.	518.4	535.4	502.7	504.8

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	518.7	506.7	515.0	105.7
Stddev	1.0	1.1	.9	15.5
%RSD	.1939	.2228	.1722	14.68

#1	517.7	507.8	514.0	90.03
#2	519.7	505.5	515.8	105.9
#3	518.8	506.8	515.2	121.0

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	2943.5	36642.	4929.7
Stddev	7.2	233.	56.3
%RSD	.24470	.63572	1.1428

#1	2949.3	36883.	4982.1
#2	2945.8	36624.	4936.9
#3	2935.4	36418.	4870.1

Sample Name: sd 460-112365-A-1-A      Acquired: 4/19/2016 17:20:35      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>125.9</b>	<b>5.716</b>	<b>-.2092</b>	<b>.6090</b>	<b>.1690</b>	<b>1960.</b>
Stddev	11.8	1.526	.1997	.0331	.0615	15.
%RSD	9.357	26.69	95.46	5.443	36.42	.7723

#1	112.7	6.109	-.4286	.6455	.1863	1945.
#2	130.0	4.033	-.1610	.6009	.1006	1959.
#3	135.1	7.007	-.0380	.5807	.2200	1976.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1253</b>	<b>2.142</b>	<b>3.382</b>	<b>48.85</b>	<b>706.7</b>	<b>2351.</b>
Stddev	.0961	.118	.494	.72	19.8	15.
%RSD	76.69	5.509	14.62	1.480	2.800	.6527

#1	.1652	2.124	2.904	48.13	685.3	2340.
#2	.0157	2.034	3.351	48.86	710.4	2343.
#3	.1950	2.268	3.891	49.57	724.3	2368.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1726.</b>	<b>386.0</b>	<b>188900.</b>	<b>43.52</b>	<b>.0585</b>	<b>5.355</b>
Stddev	12.	1.6	640.	.85	1.219	1.228
%RSD	.6847	.4128	.3386	1.963	2084.	22.93

#1	1713.	384.8	189700.	44.31	-1.021	4.832
#2	1727.	385.5	188400.	43.64	-.1853	6.759
#3	1737.	387.8	188700.	42.61	1.381	4.476

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

Sample Name: sd 460-112365-A-1-A      Acquired: 4/19/2016 17:20:35      Type: Unk  
 Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
 User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.403</b>	<b>.6482</b>	<b>.5221</b>	<b>147.9</b>	<b>68.58</b>	<b>3.453</b>
Stddev	1.551	1.495	.4601	.6	.19	.102
%RSD	64.53	230.7	88.13	.3726	.2700	2.966
#1	.8629	-1.031	.0116	148.4	68.51	3.339
#2	2.383	1.835	.6498	147.3	68.44	3.483
#3	3.965	1.142	.9048	147.9	68.79	3.537

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.2521</b>	<b>11.13</b>	<b>1.011</b>	<b>2841.</b>
Stddev	.5516	.04	.629	42.
%RSD	218.8	.3287	62.26	1.470
#1	.3254	11.18	.6114	2855.
#2	-.7735	11.12	.6849	2874.
#3	-.3082	11.10	1.737	2794.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2818.4</b>	<b>35199.</b>	<b>5032.8</b>
Stddev	2.4	231.	57.6
%RSD	.08522	.65510	1.1445
#1	2815.8	35418.	5080.2
#2	2818.9	35222.	5049.7
#3	2820.6	34958.	4968.7

Sample Name: 460-112365-A-1-C MS      Acquired: 4/19/2016 17:24:44      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1412.	1074.	26.56	1040.	25.41	20050.
Stddev	16.	2.	.52	2.	.20	65.
%RSD	1.120	.1476	1.940	.2035	.7696	.3231

#1	1414.	1073.	26.08	1043.	25.43	19980.
#2	1426.	1073.	27.11	1039.	25.60	20070.
#3	1395.	1076.	26.50	1039.	25.21	20100.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26.77	268.3	124.5	380.6	3994.	21460.
Stddev	.11	.7	.5	2.4	27.	26.
%RSD	.4126	.2750	.3645	.6404	.6839	.1226

#1	26.73	267.7	124.7	378.2	3992.	21490.
#2	26.90	268.0	124.9	383.0	3968.	21460.
#3	26.69	269.1	124.0	380.6	4023.	21440.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18040.	2209.	F 941200.	481.9	258.9	261.4
Stddev	46.	4.	5343.	1.3	1.2	.9
%RSD	.2575	.1647	.5676	.2609	.4571	.3386

#1	18000.	2205.	947400.	482.0	260.1	262.4
#2	18020.	2210.	937600.	480.6	257.8	260.8
#3	18090.	2212.	938700.	483.2	258.8	261.0

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

Sample Name: 460-112365-A-1-C MS      Acquired: 4/19/2016 17:24:44      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1086.	987.6	262.3	1010.	607.5	273.0
Stddev	9.	4.2	1.2	3.	2.1	.7
%RSD	.7870	.4216	.4462	.3308	.3385	.2382
#1	1076.	983.8	262.2	1007.	605.2	272.5
#2	1091.	987.0	263.5	1011.	608.0	272.6
#3	1090.	992.1	261.2	1013.	609.2	273.7

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	259.0	303.2	257.9	14990.
Stddev	.8	.7	.5	141.
%RSD	.2896	.2420	.1821	.9394
#1	259.3	304.0	257.4	14910.
#2	258.2	302.9	258.3	14920.
#3	259.6	302.7	257.9	15160.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2670.3	33105.	4905.2
Stddev	6.5	83.	28.3
%RSD	.24286	.24925	.57702
#1	2663.1	33182.	4888.6
#2	2671.9	33018.	4889.0
#3	2675.8	33114.	4937.8

Sample Name: CCB      Acquired: 4/19/2016 18:56:19      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-4.972</b>	<b>.6901</b>	<b>.5743</b>	<b>.1435</b>	<b>.0769</b>	<b>29.73</b>
Stddev	12.82	1.955	.8606	.0254	.1860	59.99
%RSD	257.9	283.2	149.9	17.69	242.0	201.8

#1	<b>-.3091</b>	<b>2.866</b>	<b>1.567</b>	<b>.1147</b>	<b>.0186</b>	<b>99.00</b>
#2	<b>4.868</b>	<b>.1212</b>	<b>.0425</b>	<b>.1533</b>	<b>.2850</b>	<b>-4.286</b>
#3	<b>-19.47</b>	<b>-.9168</b>	<b>.1132</b>	<b>.1625</b>	<b>-.0730</b>	<b>-5.522</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0107</b>	<b>-.0985</b>	<b>1.527</b>	<b>3.495</b>	<b>24.48</b>	<b>93.16</b>
Stddev	.0461	.1296	2.621	5.980	56.93	15.03
%RSD	429.1	131.5	171.7	171.1	232.6	16.13

#1	<b>.0256</b>	<b>-.2325</b>	<b>4.552</b>	<b>10.40</b>	<b>90.12</b>	<b>110.4</b>
#2	<b>.0475</b>	<b>-.0893</b>	<b>-.0596</b>	<b>-.0774</b>	<b>-5.316</b>	<b>86.04</b>
#3	<b>-.0409</b>	<b>.0262</b>	<b>.0880</b>	<b>.1627</b>	<b>-11.37</b>	<b>83.01</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>23.11</b>	<b>1.506</b>	<b>69.84</b>	<b>.1328</b>	<b>.5637</b>	<b>-.0255</b>
Stddev	64.82	2.614	8.65	.4634	1.213	1.181
%RSD	280.5	173.6	12.39	348.8	215.3	4633.

#1	<b>97.92</b>	<b>4.523</b>	<b>79.45</b>	<b>.6678</b>	<b>.6758</b>	<b>-.6698</b>
#2	<b>-12.09</b>	<b>.0393</b>	<b>62.65</b>	<b>-.1286</b>	<b>1.717</b>	<b>-.7443</b>
#3	<b>-16.51</b>	<b>-.0460</b>	<b>67.43</b>	<b>-.1407</b>	<b>-.7019</b>	<b>1.338</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
High Limit						
Low Limit						



Sample Name: CCB      Acquired: 4/19/2016 18:56:19      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.2633</b>	<b>.3815</b>	<b>.8635</b>	<b>.0866</b>	<b>1.143</b>	<b>1.021</b>
Stddev	1.752	1.912	.8136	.1590	.986	.210
%RSD	665.6	501.2	94.21	183.7	86.29	20.58
#1	-2.140	-1.666	1.749	-.0399	2.244	1.099
#2	1.331	.6902	.1497	.2651	.3399	1.180
#3	.0195	2.121	.6915	.0344	.8453	.7826

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.0409</b>	<b>.0939</b>	<b>3.283</b>	<b>17.98</b>
Stddev	.4566	.0820	5.125	9.71
%RSD	1115.	87.33	156.1	54.01
#1	.2821	-.0004	9.200	17.45
#2	-.4856	.1480	.2377	27.94
#3	.3264	.1340	.4124	8.545

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	<b>2988.4</b>	<b>36967.</b>	<b>4924.0</b>
Stddev	10.9	47.	42.4
%RSD	.36417	.12767	.86046
#1	2981.6	36971.	4875.9
#2	2982.7	36918.	4940.3
#3	3001.0	37013.	4955.9

Sample Name: pds 460-112289-E-2-A      Acquired: 4/19/2016 19:21:31      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2006.	1843.	46.41	2049.	50.54	32640.
Stddev	27.	4.	.37	2.	.41	60.
%RSD	1.354	.2361	.7915	.1062	.8057	.1835

#1	1975.	1846.	46.15	2051.	50.14	32590.
#2	2026.	1838.	46.26	2046.	50.96	32620.
#3	2017.	1846.	46.83	2050.	50.51	32700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.25	514.1	200.5	238.8	2842.	20450.
Stddev	.05	.9	.7	.7	31.	28.
%RSD	.1061	.1797	.3501	.3106	1.079	.1363

#1	49.31	515.2	200.0	238.1	2877.	20460.
#2	49.20	513.6	200.2	238.5	2821.	20480.
#3	49.25	513.5	201.3	239.6	2828.	20420.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24110.	1652.	36390.	504.9	498.9	461.9
Stddev	71.	1.	146.	.8	1.2	1.3
%RSD	.2954	.0540	.4007	.1579	.2380	.2762

#1	24020.	1651.	36240.	505.8	500.1	461.8
#2	24160.	1653.	36540.	504.2	497.8	460.7
#3	24130.	1652.	36400.	504.8	498.7	463.2

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

Sample Name: pds 460-112289-E-2-A      Acquired: 4/19/2016 19:21:31      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1868.</b>	<b>2137.</b>	<b>496.6</b>	<b>521.6</b>	<b>527.6</b>	<b>487.5</b>
Stddev	6.	12.	2.6	.5	1.5	.3
%RSD	.3427	.5507	.5217	.0931	.2933	.0592
#1	1873.	2124.	496.7	521.1	528.5	487.4
#2	1861.	2142.	494.0	522.1	525.9	487.3
#3	1870.	2146.	499.2	521.7	528.6	487.8

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>498.6</b>	<b>634.9</b>	<b>498.7</b>	<b>3919.</b>
Stddev	.3	1.8	.4	15.
%RSD	.0683	.2888	.0762	.3723
#1	498.2	634.5	498.5	3916.
#2	498.8	637.0	498.5	3935.
#3	498.7	633.4	499.2	3906.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2896.3</b>	<b>36216.</b>	<b>4840.4</b>
Stddev	3.7	43.	36.1
%RSD	.12619	.11792	.74577
#1	2897.3	36255.	4881.6
#2	2899.3	36223.	4814.7
#3	2892.2	36171.	4824.8

Sample Name: 460-112289-F-4-A      Acquired: 4/19/2016 19:29:42      Type: Unk

Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>48.83</b>	<b>1.405</b>	<b>.7377</b>	<b>208.0</b>	<b>.0652</b>	<b>15970.</b>
Stddev	9.21	1.326	.8800	.2	.0647	43.
%RSD	18.86	94.43	119.3	.1051	99.14	.2662

#1	56.40	1.076	1.749	208.3	.0434	15920.
#2	38.57	2.864	.3187	207.9	.0143	15990.
#3	51.51	.2735	.1455	208.0	.1380	16000.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.4561</b>	<b>9.863</b>	<b>3.823</b>	<b>-.2369</b>	<b>25910.</b>	<b>2319.</b>
Stddev	.0817	.147	.489	.2403	48.	34.
%RSD	17.91	1.487	12.79	101.4	.1857	1.476

#1	-.4545	9.700	4.236	-.5140	25860.	2350.
#2	-.5386	9.983	3.949	-.0863	25960.	2283.
#3	-.3753	9.906	3.283	-.1103	25920.	2325.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5938.</b>	<b>1498.</b>	<b>18490.</b>	<b>5.636</b>	<b>.1667</b>	<b>.6808</b>
Stddev	3.	2.	87.	.344	1.082	.1993
%RSD	.0470	.1413	.4710	6.101	648.9	29.27

#1	5937.	1496.	18470.	5.391	1.314	.7808
#2	5936.	1498.	18580.	6.029	.0217	.8102
#3	5941.	1500.	18410.	5.487	-.8353	.4513

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

Sample Name: 460-112289-F-4-A      Acquired: 4/19/2016 19:29:42      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.787</b>	<b>-.1368</b>	<b>-2.020</b>	<b>8.409</b>	<b>16.86</b>	<b>.5813</b>
Stddev	.846	.7187	.275	.235	.29	.2488
%RSD	47.33	525.2	13.61	2.800	1.741	42.81
#1	1.031	-.9606	-2.032	8.304	17.19	.5006
#2	1.630	.3622	-2.289	8.244	16.76	.8604
#3	2.700	.1879	-1.739	8.679	16.62	.3828

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.4147</b>	<b>175.5</b>	<b>.9472</b>	<b>4493.</b>
Stddev	.3910	.4	.2408	50.
%RSD	94.28	.2042	25.42	1.105
#1	-.0628	175.7	.8371	4523.
#2	-.3457	175.1	.7812	4436.
#3	-.8357	175.7	1.223	4520.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2948.2</b>	<b>36605.</b>	<b>4865.6</b>
Stddev	5.1	104.	36.8
%RSD	.17380	.28385	.75554
#1	2942.6	36723.	4907.4
#2	2952.6	36563.	4838.1
#3	2949.4	36528.	4851.4

Sample Name: pds 460-112365-A-1-A      Acquired: 4/19/2016 17:28:50      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2421.	2024.	50.99	1993.	48.90	29680.
Stddev	3.	11.	.17	3.	.26	91.
%RSD	.1040	.5534	.3315	.1680	.5268	.3051

#1	2423.	2036.	50.82	1996.	48.61	29740.
#2	2423.	2020.	51.16	1994.	48.97	29570.
#3	2419.	2015.	50.99	1990.	49.11	29720.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.57	504.0	223.4	495.2	4493.	30630.
Stddev	.30	.6	.5	.8	12.	46.
%RSD	.6024	.1272	.2351	.1648	.2755	.1485

#1	50.85	504.8	224.0	496.1	4481.	30670.
#2	50.61	503.6	223.1	494.9	4506.	30630.
#3	50.25	503.8	223.1	494.5	4491.	30580.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27200.	2463.	F 964900.	722.4	495.5	490.2
Stddev	70.	3.	4559.	.7	1.8	2.2
%RSD	.2559	.1072	.4726	.1030	.3647	.4526

#1	27270.	2465.	969500.	722.7	497.1	492.6
#2	27140.	2460.	964600.	722.9	493.6	488.2
#3	27190.	2464.	960400.	721.5	495.9	490.0

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

Sample Name: pds 460-112365-A-1-A      Acquired: 4/19/2016 17:28:50      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2069.	1896.	503.8	1253.	836.1	506.3
Stddev	20.	18.	.9	3.	5.8	2.1
%RSD	.9532	.9344	.1800	.2078	.6905	.4122
#1	2091.	1916.	502.7	1255.	842.1	508.6
#2	2061.	1883.	504.4	1250.	830.6	504.7
#3	2054.	1888.	504.3	1255.	835.6	505.5

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	496.1	538.8	495.9	14910.
Stddev	3.9	1.1	.4	144.
%RSD	.7856	.2036	.0757	.9634
#1	500.5	539.0	496.4	15060.
#2	493.2	539.8	495.8	14890.
#3	494.6	537.6	495.7	14770.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2665.3	32779.	4842.3
Stddev	2.0	150.	78.8
%RSD	.07563	.45685	1.6281
#1	2664.7	32951.	4922.4
#2	2667.6	32709.	4839.9
#3	2663.7	32677.	4764.7

Sample Name: 460-112289-E-6-A      Acquired: 4/19/2016 19:38:11      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.063</b>	<b>-1.258</b>	<b>-.1753</b>	<b>.1990</b>	<b>.0018</b>	<b>101.8</b>
Stddev	4.730	1.247	.3205	.0678	.0705	4.3
%RSD	154.4	99.08	182.8	34.07	3874.	4.211
#1	6.926	.1480	.0906	.2769	.0549	97.45
#2	-2.212	-2.228	-.0854	.1667	.0288	101.8
#3	4.475	-1.694	-.5311	.1534	-.0782	106.0

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0577</b>	<b>.0537</b>	<b>1.456</b>	<b>2.336</b>	<b>13.08</b>	<b>45.86</b>
Stddev	.1311	.1460	.237	.160	5.96	4.67
%RSD	227.1	271.9	16.32	6.832	45.54	10.18
#1	.1864	.2136	1.714	2.268	7.543	41.07
#2	-.0756	.0200	1.247	2.518	19.39	50.41
#3	.0624	-.0725	1.406	2.221	12.32	46.11

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-14.15</b>	<b>.2083</b>	<b>459.0</b>	<b>.6175</b>	<b>-1.082</b>	<b>.5512</b>
Stddev	2.13	.0304	7.2	.4458	1.017	.6504
%RSD	15.08	14.61	1.570	72.20	94.00	118.0
#1	-15.60	.1902	450.8	.2442	-.1839	.4961
#2	-15.14	.1912	464.5	.4971	-2.185	1.227
#3	-11.70	.2434	461.6	1.111	-.8752	-.0700

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



Sample Name: 460-112289-E-6-A      Acquired: 4/19/2016 19:38:11      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.133</b>	<b>-.3405</b>	<b>.2183</b>	<b>2.722</b>	<b>81.59</b>	<b>.2799</b>
Stddev	1.258	.4622	.2732	.137	.28	.2302
%RSD	111.0	135.7	125.1	5.039	.3440	82.25
#1	1.862	-.8698	.5320	2.579	81.33	.1150
#2	1.857	-.1352	.0905	2.852	81.89	.1818
#3	-.3191	-.0165	.0325	2.736	81.56	.5429

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.4156</b>	<b>.2705</b>	<b>.0376</b>	<b>352.9</b>
Stddev	.6124	.0466	.1556	10.9
%RSD	147.4	17.24	414.1	3.096
#1	-.4317	.2927	-.1294	350.3
#2	-1.020	.2169	.0634	364.9
#3	.2047	.3019	.1787	343.5

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3004.2</b>	<b>37154.</b>	<b>4892.4</b>
Stddev	8.7	51.	33.5
%RSD	.28841	.13712	.68452
#1	3010.4	37151.	4879.0
#2	2994.3	37206.	4930.6
#3	3007.8	37104.	4867.7

Sample Name: CCB      Acquired: 4/19/2016 19:50:43      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-27.95</b>	<b>-.7987</b>	<b>.8117</b>	<b>.1115</b>	<b>.1422</b>	<b>32.35</b>
Stddev	30.92	1.068	.7047	.0794	.1304	35.53
%RSD	110.6	133.7	86.82	71.20	91.75	109.8
#1	-24.68	.4127	.0025	.0934	.0581	29.70
#2	1.200	-1.602	1.290	.0427	.2924	69.14
#3	-60.38	-1.207	1.142	.1983	.0760	-1.781

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1006</b>	<b>-.0819</b>	<b>1.496</b>	<b>3.433</b>	<b>23.01</b>	<b>23.18</b>
Stddev	.0176	.0875	1.175	3.160	32.76	13.56
%RSD	17.51	106.9	78.50	92.06	142.4	58.52
#1	.1042	-.1349	2.220	3.050	14.16	21.61
#2	.0815	.0191	2.128	6.768	59.29	37.45
#3	.1163	-.1300	.1411	.4819	-4.415	10.46

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>17.09</b>	<b>1.373</b>	<b>46.43</b>	<b>-.0531</b>	<b>-1.433</b>	<b>-1.429</b>
Stddev	31.61	1.403	15.88	.3258	.680	1.103
%RSD	185.0	102.1	34.21	613.9	47.48	77.20
#1	12.39	1.335	49.66	-.2404	-1.912	-.3068
#2	50.79	2.795	60.44	-.2420	-1.732	-1.468
#3	-11.91	-.0097	29.17	.3232	-.6540	-2.512

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

Sample Name: CCB      Acquired: 4/19/2016 19:50:43      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.3743</b>	<b>1.221</b>	<b>.6260</b>	<b>.1082</b>	<b>-.1757</b>	<b>.8853</b>
Stddev	.3955	.375	1.018	.1426	.4956	.4336
%RSD	105.7	30.66	162.7	131.8	282.1	48.98
#1	<b>-.8060</b>	<b>1.319</b>	<b>.8173</b>	<b>.2213</b>	<b>.3627</b>	<b>1.381</b>
#2	<b>-.0294</b>	<b>.8074</b>	<b>1.535</b>	<b>-.0520</b>	<b>-.6129</b>	<b>.6995</b>
#3	<b>-.2875</b>	<b>1.537</b>	<b>-.4745</b>	<b>.1554</b>	<b>-.2769</b>	<b>.5756</b>

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.4898</b>	<b>.5103</b>	<b>3.050</b>	<b>24.52</b>
Stddev	.4876	.6573	2.551	20.72
%RSD	99.55	128.8	83.64	84.49
#1	<b>-.0423</b>	<b>.2766</b>	<b>3.030</b>	<b>16.14</b>
#2	<b>-1.009</b>	<b>1.252</b>	<b>5.611</b>	<b>48.11</b>
#3	<b>-.4177</b>	<b>.0017</b>	<b>.5088</b>	<b>9.304</b>

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	<b>3003.8</b>	<b>37346.</b>	<b>4882.2</b>
Stddev	12.2	174.	99.7
%RSD	.40502	.46689	2.0421
#1	<b>2990.6</b>	<b>37199.</b>	<b>4771.7</b>
#2	<b>3006.3</b>	<b>37300.</b>	<b>4909.4</b>
#3	<b>3014.5</b>	<b>37538.</b>	<b>4965.5</b>

Sample Name: 460-112289-E-9-A      Acquired: 4/19/2016 20:03:35      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>326.6</b>	<b>-1.616</b>	<b>.4763</b>	<b>616.7</b>	<b>.0195</b>	<b>15760.</b>
Stddev	6.8	1.714	.4032	1.1	.0601	23.
%RSD	2.068	106.1	84.65	.1809	309.2	.1445
#1	330.4	-3.282	.4499	615.5	-.0318	15740.
#2	318.8	.1430	.8921	617.5	.0045	15760.
#3	330.7	-1.708	.0870	617.2	.0857	15790.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.5112</b>	<b>85.96</b>	<b>3.430</b>	<b>1.896</b>	<b>26180.</b>	<b>2443.</b>
Stddev	.0591	.38	.096	.088	43.	35.
%RSD	11.57	.4442	2.789	4.627	.1637	1.452
#1	-.4856	85.75	3.506	1.799	26180.	2403.
#2	-.4692	86.40	3.462	1.917	26220.	2471.
#3	-.5788	85.73	3.323	1.971	26140.	2453.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>15410.</b>	<b>1199.</b>	<b>23790.</b>	<b>18.26</b>	<b>1.230</b>	<b>-.3002</b>
Stddev	37.	2.	56.	.35	.649	.1848
%RSD	.2418	.1698	.2350	1.943	52.75	61.57
#1	15410.	1197.	23820.	18.03	1.253	-.4912
#2	15370.	1199.	23720.	18.66	.5702	-.2871
#3	15440.	1201.	23820.	18.07	1.868	-.1222

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

Sample Name: 460-112289-E-9-A      Acquired: 4/19/2016 20:03:35      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.331</b>	<b>.4536</b>	<b>1.871</b>	<b>8.939</b>	<b>63.68</b>	<b>.6349</b>
Stddev	1.569	1.497	.334	.072	1.04	.2985
%RSD	47.11	330.1	17.86	.8098	1.639	47.02
#1	2.070	-1.245	1.611	9.020	63.11	.4528
#2	2.834	1.582	1.753	8.916	64.89	.4724
#3	5.088	1.024	2.248	8.881	63.05	.9794

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.0243</b>	<b>229.7</b>	<b>1.630</b>	<b>4635.</b>
Stddev	.1819	.7	.151	6.
%RSD	747.7	.2879	9.284	.1384
#1	.1843	230.4	1.726	4628.
#2	-.1077	229.2	1.456	4636.
#3	-.1496	229.4	1.709	4641.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2962.6</b>	<b>37007.</b>	<b>4990.5</b>
Stddev	13.0	238.	21.8
%RSD	.43917	.64351	.43719
#1	2975.9	37251.	5015.2
#2	2962.1	36996.	4982.6
#3	2949.9	36775.	4973.8

Sample Name: 460-112283-H-1-A      Acquired: 4/19/2016 20:12:05      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>37.85</b>	<b>-1.389</b>	<b>.4523</b>	<b>69.52</b>	<b>.0394</b>	<b>13710.</b>
Stddev	8.02	2.213	.6080	.27	.0650	54.
%RSD	21.19	159.3	134.4	.3864	164.9	.3951
#1	45.18	-3.362	.9078	69.77	.0969	13760.
#2	29.28	-1.810	-.2382	69.56	-.0311	13720.
#3	39.09	1.004	.6871	69.23	.0525	13650.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.2507</b>	<b>-.2610</b>	<b>.0113</b>	<b>.3626</b>	<b>2192.</b>	<b>2061.</b>
Stddev	.1221	.2076	.4574	.0810	26.	13.
%RSD	48.73	79.56	4033.	22.33	1.183	.6318
#1	.2206	-.0212	.2840	.2968	2163.	2066.
#2	.3850	-.3833	.2667	.3380	2197.	2046.
#3	.1463	-.3784	-.5167	.4531	2214.	2070.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2915.</b>	<b>146.0</b>	<b>9356.</b>	<b>3.331</b>	<b>-.4939</b>	<b>-1.201</b>
Stddev	17.	.2	48.	.243	1.475	.450
%RSD	.5907	.1342	.5168	7.294	298.7	37.46
#1	2934.	145.8	9410.	3.114	-.0539	-1.151
#2	2913.	145.9	9318.	3.286	-2.139	-.7781
#3	2899.	146.2	9339.	3.594	.7112	-1.673

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

Sample Name: 460-112283-H-1-A      Acquired: 4/19/2016 20:12:05      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1988</b>	<b>-.0329</b>	<b>-.3902</b>	<b>18.68</b>	<b>41.84</b>	<b>-.3439</b>
Stddev	1.310	1.542	.3772	.23	.28	.2593
%RSD	658.9	4681.	96.68	1.244	.6581	75.40
#1	-1.092	-.4639	-.7872	18.88	42.12	-.4810
#2	.1611	-1.314	-.3469	18.74	41.82	-.0448
#3	1.527	1.679	-.0365	18.42	41.57	-.5058

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.1609</b>	<b>142.8</b>	<b>.7890</b>	<b>10750.</b>
Stddev	.8582	.1	.0894	111.
%RSD	533.5	.0410	11.33	1.028
#1	.6121	142.8	.7251	10640.
#2	.6993	142.8	.8912	10860.
#3	-.8288	142.9	.7506	10760.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3003.3</b>	<b>37081.</b>	<b>4881.7</b>
Stddev	3.0	68.	28.2
%RSD	.10034	.18246	.57736
#1	3000.4	37003.	4857.9
#2	3006.4	37112.	4912.8
#3	3003.2	37127.	4874.4

Sample Name: 460-112349-A-23-A      Acquired: 4/19/2016 17:32:50      Type: QC

Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-8.785</b>	<b>-3.429</b>	<b>-.2977</b>	<b>-.0288</b>	<b>.0420</b>	<b>2.882</b>
Stddev	14.08	.734	.2824	.1380	.0473	6.684
%RSD	160.3	21.40	94.85	478.9	112.5	231.9

#1	-24.97	-4.173	-.2142	.0856	.0854	7.719
#2	.7185	-2.706	-.0665	.0099	-.0083	-4.745
#3	-2.107	-3.407	-.6125	-.1820	.0490	5.672

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.1519</b>	<b>-.1030</b>	<b>.1067</b>	<b>-.3462</b>	<b>-3.286</b>	<b>77.31</b>
Stddev	.0338	.2171	.3357	.2462	4.070	43.39
%RSD	22.29	210.7	314.6	71.14	123.9	56.13

#1	-.1797	-.2067	-.2789	-.5301	.0202	124.4
#2	-.1617	.1464	.2652	-.4419	-7.831	38.99
#3	-.1142	-.2488	.3338	-.0664	-2.046	68.51

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-15.97</b>	<b>.0433</b>	<b>277.1</b>	<b>-.3884</b>	<b>1.091</b>	<b>1.559</b>
Stddev	1.72	.0551	41.0	.3343	.728	.772
%RSD	10.78	127.1	14.81	86.09	66.75	49.51

#1	-14.98	-.0202	322.6	-.6141	1.891	.6680
#2	-14.97	.0726	265.4	-.5468	.9139	2.020
#3	-17.96	.0776	243.1	-.0043	.4676	1.990

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



Sample Name: 460-112349-A-23-A      Acquired: 4/19/2016 17:32:50      Type: QC

Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0865</b>	<b>.8875</b>	<b>.4143</b>	<b>1.904</b>	<b>4.610</b>	<b>.0327</b>
Stddev	1.826	1.686	.0992	.223	.497	.2885
%RSD	2110.	189.9	23.94	11.72	10.78	883.0

#1	-1.527	2.237	.5287	1.674	5.142	.2684
#2	1.967	1.428	.3527	1.919	4.530	.1186
#3	-.6991	-1.002	.3614	2.120	4.158	-.2890

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.2575</b>	<b>.0332</b>	<b>.2111</b>	<b>57.57</b>
Stddev	.3879	.0075	.0395	9.42
%RSD	150.7	22.47	18.71	16.37

#1	.6130	.0400	.2537	48.98
#2	-.1563	.0252	.1757	67.65
#3	.3158	.0343	.2039	56.06

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	<b>2944.2</b>	<b>36434.</b>	<b>4966.7</b>
Stddev	11.9	139.	89.1
%RSD	.40448	.38022	1.7950

#1	2930.5	36274.	4878.8
#2	2950.2	36510.	4964.1
#3	2952.0	36518.	5057.1

Sample Name: pds 460-112283-H-1-A      Acquired: 4/19/2016 20:24:37      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2021.</b>	<b>1830.</b>	<b>45.75</b>	<b>2023.</b>	<b>50.63</b>	<b>32770.</b>
Stddev	20.	1.	.48	2.	.20	224.
%RSD	.9916	.0662	1.058	.1234	.3960	.6835
#1	2026.	1831.	46.29	2026.	50.86	32860.
#2	2038.	1829.	45.60	2022.	50.49	32930.
#3	1999.	1830.	45.35	2021.	50.53	32510.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>49.69</b>	<b>502.0</b>	<b>199.5</b>	<b>238.0</b>	<b>3137.</b>	<b>20030.</b>
Stddev	.02	.4	1.5	.7	47.	137.
%RSD	.0412	.0791	.7345	.2747	1.499	.6832
#1	49.69	502.3	201.1	238.4	3189.	20110.
#2	49.71	501.6	198.8	238.3	3096.	20100.
#3	49.66	502.1	198.5	237.2	3128.	19870.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>21270.</b>	<b>641.1</b>	<b>28420.</b>	<b>505.6</b>	<b>497.4</b>	<b>459.7</b>
Stddev	125.	2.7	216.	.4	2.0	2.2
%RSD	.5886	.4278	.7588	.0746	.3986	.4875
#1	21340.	643.4	28540.	505.5	496.2	458.5
#2	21360.	642.0	28550.	505.3	496.3	458.3
#3	21130.	638.1	28170.	506.0	499.7	462.3

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

Sample Name: pds 460-112283-H-1-A      Acquired: 4/19/2016 20:24:37      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1857.	2143.	496.9	536.8	527.4	487.5
Stddev	13.	14.	3.1	2.4	3.7	1.9
%RSD	.7031	.6410	.6187	.4551	.7096	.3975
#1	1847.	2127.	500.4	535.5	525.8	487.3
#2	1853.	2148.	496.1	539.6	524.8	485.8
#3	1872.	2153.	494.4	535.2	531.7	489.6

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	503.5	627.4	500.3	10880.
Stddev	.9	5.5	.7	55.
%RSD	.1822	.8729	.1481	.5018
#1	502.5	631.3	500.9	10840.
#2	503.5	629.8	499.5	10860.
#3	504.4	621.2	500.4	10940.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2917.3	36338.	4812.0
Stddev	16.7	316.	54.0
%RSD	.57166	.86925	1.1229
#1	2912.9	36165.	4808.3
#2	2903.3	36146.	4759.8
#3	2935.7	36703.	4867.7

Sample Name: MB 460-363333/1-A      Acquired: 4/19/2016 17:41:16      Type: Unk

Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-13.52</b>	<b>1.538</b>	<b>-.0282</b>	<b>-.1164</b>	<b>.1108</b>	<b>-16.33</b>
Stddev	7.20	.388	.6904	.0925	.0516	1.41
%RSD	53.25	25.25	2448.	79.45	46.62	8.625

#1	-9.065	1.541	-.5659	-.2071	.1692	-16.13
#2	-9.662	1.148	.7504	-.0222	.0710	-17.83
#3	-21.82	1.925	-.2690	-.1200	.0922	-15.03

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0207</b>	<b>.0587</b>	<b>.3238</b>	<b>-.4392</b>	<b>-10.01</b>	<b>43.83</b>
Stddev	.0736	.1247	.3454	.2042	3.99	27.35
%RSD	355.4	212.5	106.7	46.50	39.79	62.40

#1	.0620	-.0388	.3526	-.4059	-12.62	62.05
#2	-.0453	.0157	.6539	-.2537	-11.99	12.38
#3	-.0788	.1991	-.0351	-.6581	-5.428	57.06

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-13.75</b>	<b>-.0295</b>	<b>117.2</b>	<b>-.1859</b>	<b>-1.465</b>	<b>.6225</b>
Stddev	1.94	.0379	16.1	.2337	3.176	1.518
%RSD	14.11	128.2	13.75	125.7	216.8	243.9

#1	-14.17	.0084	135.1	-.3090	2.121	1.803
#2	-11.63	-.0296	112.8	.0836	-3.924	1.155
#3	-15.44	-.0673	103.8	-.3324	-2.591	-1.090

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

Sample Name: MB 460-363333/1-A      Acquired: 4/19/2016 17:41:16      Type: Unk  
 Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
 User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.498</b>	<b>.1343</b>	<b>.0709</b>	<b>.6798</b>	<b>-.2141</b>	<b>-.1984</b>
Stddev	3.547	1.112	.1234	.1880	.3167	.1435
%RSD	236.8	828.0	174.2	27.66	148.0	72.35
#1	-5.579	-.8772	-.0321	.6545	-.1470	-.1216
#2	.2492	1.325	.2077	.5057	-.5590	-.3640
#3	.8369	-.0448	.0370	.8793	.0637	-.1095

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.2839</b>	<b>-.0014</b>	<b>.0279</b>	<b>12.48</b>
Stddev	.4265	.0755	.0375	14.14
%RSD	150.2	5430.	134.3	113.2
#1	.0362	.0858	-.0069	4.046
#2	-.7681	-.0422	.0676	4.604
#3	-.1198	-.0477	.0230	28.80

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2934.3</b>	<b>36282.</b>	<b>4886.3</b>
Stddev	4.1	237.	37.8
%RSD	.13876	.65186	.77442
#1	2932.6	36010.	4914.0
#2	2938.9	36403.	4901.8
#3	2931.3	36434.	4843.2

Sample Name: CCV      Acquired: 4/19/2016 20:41:24      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>125200.</b>	<b>2440.</b>	<b>1213.</b>	<b>10010.</b>	<b>1028.</b>	<b>125000.</b>
Stddev	144.	6.	3.	8.	4.	471.
%RSD	.1147	.2440	.2463	.0769	.4064	.3766

#1	125100.	2434.	1216.	10010.	1023.	125400.
#2	125200.	2445.	1211.	10020.	1030.	125000.
#3	125400.	2440.	1211.	10010.	1030.	124500.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1255.</b>	<b>2519.</b>	<b>5009.</b>	<b>12440.</b>	<b>102800.</b>	<b>50370.</b>
Stddev	2.	6.	14.	25.	409.	102.
%RSD	.1383	.2328	.2819	.1986	.3979	.2020

#1	1256.	2513.	5019.	12410.	102600.	50250.
#2	1256.	2521.	5015.	12460.	103200.	50410.
#3	1253.	2524.	4993.	12460.	102400.	50440.

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	<b>122700.</b>	<b>5068.</b>	<b>126000.</b>	<b>2501.</b>	<b>7482.</b>	<b>995.6</b>
Stddev	378.	8.	188.	3.	2.	5.8
%RSD	.3079	.1498	.1489	.1264	.0268	.5819

#1	123100.	5076.	125800.	2498.	7481.	989.1
#2	122600.	5067.	125900.	2504.	7485.	1000.
#3	122400.	5061.	126200.	2502.	7481.	997.2

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

Sample Name: CCV      Acquired: 4/19/2016 20:41:24      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2451.	2563.	2514.	2564.	994.3	2504.
Stddev	2.	5.	1.	11.	4.2	7.
%RSD	.0943	.1793	.0477	.4166	.4206	.2652

#1	2449.	2568.	2513.	2576.	989.6	2496.
#2	2453.	2563.	2515.	2556.	997.5	2509.
#3	2452.	2559.	2513.	2559.	995.9	2507.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1007.	5084.	10160.	9683.
Stddev	1.	15.	58.	119.
%RSD	.1431	.2957	.5695	1.227

#1	1008.	5070.	10210.	9644.
#2	1006.	5083.	10100.	9589.
#3	1005.	5100.	10160.	9817.

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	2779.0	34714.	4694.1
Stddev	14.9	278.	62.3
%RSD	.53557	.80013	1.3273

#1	2761.9	34451.	4673.7
#2	2787.0	34686.	4644.5
#3	2788.3	35004.	4764.0

Sample Name: CCVL      Acquired: 4/19/2016 20:49:44      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>193.5</b>	<b>14.88</b>	<b>10.12</b>	<b>209.3</b>	<b>2.164</b>	<b>5165.</b>
Stddev	14.4	1.97	.22	.4	.045	34.
%RSD	7.443	13.23	2.170	.1746	2.061	.6572

#1	210.2	16.92	10.36	209.5	2.137	5138.
#2	185.1	12.99	9.935	209.6	2.140	5154.
#3	185.3	14.71	10.06	208.9	2.216	5203.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.278</b>	<b>53.76</b>	<b>10.63</b>	<b>24.91</b>	<b>158.1</b>	<b>4972.</b>
Stddev	.124	.20	.21	.40	7.2	71.
%RSD	2.898	.3802	2.004	1.614	4.567	1.420

#1	4.139	53.62	10.52	24.71	166.4	5043.
#2	4.317	54.00	10.49	24.65	154.2	4902.
#3	4.378	53.67	10.87	25.37	153.6	4972.

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	<b>4880.</b>	<b>16.21</b>	<b>5030.</b>	<b>43.28</b>	<b>10.96</b>	<b>17.61</b>
Stddev	41.	.32	31.	.12	2.64	2.52
%RSD	.8477	1.973	.6219	.2698	24.05	14.32

#1	4853.	16.00	5054.	43.25	8.073	16.24
#2	4858.	16.06	5042.	43.41	13.24	16.08
#3	4927.	16.58	4995.	43.19	11.57	20.52

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



Sample Name: CCVL      Acquired: 4/19/2016 20:49:44      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.63	22.81	52.24	32.49	49.47	20.54
Stddev	1.79	2.54	.26	.20	.68	.15
%RSD	10.74	11.12	.4966	.6212	1.379	.7126

#1	16.02	25.46	52.37	32.71	49.76	20.45
#2	15.23	22.56	51.94	32.44	49.96	20.71
#3	18.64	20.40	52.41	32.31	48.69	20.47

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	50.32	20.98	21.29	F 25.44
Stddev	.94	.06	.43	6.40
%RSD	1.877	.2694	2.037	25.18

#1	49.64	21.04	20.93	29.45
#2	51.40	20.94	21.17	18.05
#3	49.93	20.94	21.77	28.81

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2965.4	36628.	4805.2
Stddev	10.5	150.	67.6
%RSD	.35417	.40837	1.4068

#1	2977.3	36771.	4877.0
#2	2957.5	36641.	4795.8
#3	2961.4	36473.	4742.8

Sample Name: 460-112283-H-7-A      Acquired: 4/19/2016 20:58:18      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>141.6</b>	<b>1.447</b>	<b>.7800</b>	<b>225.2</b>	<b>.0395</b>	<b>48220.</b>
Stddev	20.8	.807	.2492	.3	.0335	75.
%RSD	14.71	55.79	31.95	.1390	84.80	.1545
#1	129.7	1.955	.5054	225.2	.0010	48130.
#2	129.5	.5160	.8428	224.9	.0621	48260.
#3	165.7	1.870	.9920	225.5	.0555	48270.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.2015</b>	<b>.8646</b>	<b>85.93</b>	<b>1.058</b>	<b>6.230</b>	<b>5577.</b>
Stddev	.0707	.0713	.68	.172	5.095	11.
%RSD	35.08	8.248	.7914	16.22	81.78	.1950
#1	.2481	.9167	85.88	.8603	9.663	5572.
#2	.2362	.7833	85.28	1.167	8.651	5589.
#3	.1202	.8938	86.63	1.148	.3759	5569.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5974.</b>	<b>171.3</b>	<b>29830.</b>	<b>2.158</b>	<b>.4178</b>	<b>-.2962</b>
Stddev	35.	.8	217.	.070	1.276	.7171
%RSD	.5859	.4485	.7288	3.248	305.3	242.1
#1	5946.	170.8	30080.	2.134	1.507	-.1860
#2	5962.	171.0	29720.	2.103	-.9857	.3595
#3	6013.	172.2	29690.	2.237	.7326	-1.062

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

Sample Name: 460-112283-H-7-A      Acquired: 4/19/2016 20:58:18      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.811</b>	<b>-1.850</b>	<b>.9042</b>	<b>7.320</b>	<b>91.48</b>	<b>.1279</b>
Stddev	2.231	.283	.0717	.250	.26	.2613
%RSD	79.37	15.32	7.925	3.416	.2855	204.2
#1	1.400	-1.635	.8827	7.598	91.50	.1804
#2	5.383	-2.171	.9842	7.251	91.21	.3590
#3	1.650	-1.745	.8458	7.113	91.74	-.1556

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.4919</b>	<b>458.9</b>	<b>1.538</b>	<b>6116.</b>
Stddev	.4021	.9	.057	27.
%RSD	81.75	.1927	3.699	.4439
#1	-.8659	459.9	1.500	6117.
#2	-.5431	458.3	1.604	6089.
#3	-.0666	458.5	1.512	6143.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2948.1</b>	<b>36518.</b>	<b>4811.5</b>
Stddev	16.2	67.	14.2
%RSD	.54897	.18269	.29410
#1	2931.6	36467.	4808.2
#2	2964.0	36494.	4799.2
#3	2948.8	36593.	4827.0

Sample Name: 460-112283-H-9-A      Acquired: 4/19/2016 21:06:53      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>236.6</b>	<b>.0354</b>	<b>.8093</b>	<b>191.0</b>	<b>-.0053</b>	<b>81730.</b>
Stddev	16.3	1.531	.6796	.8	.0716	145.
%RSD	6.876	4324.	83.98	.4215	1357.	.1770
#1	245.8	1.385	.3613	191.9	-.0006	81650.
#2	217.8	-1.629	1.591	190.7	-.0791	81900.
#3	246.1	.3502	.4751	190.4	.0638	81650.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0792</b>	<b>1.325</b>	<b>.3296</b>	<b>1.863</b>	<b>1394.</b>	<b>5208.</b>
Stddev	.0676	.407	.7186	.154	13.	14.
%RSD	85.41	30.74	218.1	8.266	.9166	.2600
#1	.0035	.9245	.0817	2.040	1409.	5194.
#2	.1002	1.311	-.2323	1.764	1386.	5221.
#3	.1338	1.739	1.139	1.783	1388.	5211.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>11070.</b>	<b>983.8</b>	<b>34950.</b>	<b>15.33</b>	<b>.1404</b>	<b>-1.853</b>
Stddev	15.	1.2	196.	.44	.5468	.897
%RSD	.1370	.1193	.5619	2.849	389.6	48.42
#1	11070.	983.9	35150.	15.66	.2668	-2.866
#2	11090.	984.9	34950.	15.50	-.4586	-1.530
#3	11060.	982.5	34760.	14.84	.6129	-1.161

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

Sample Name: 460-112283-H-9-A      Acquired: 4/19/2016 21:06:53      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5.907</b>	<b>-1.063</b>	<b>-1.129</b>	<b>2.339</b>	<b>165.9</b>	<b>.3935</b>
Stddev	3.505	.505	.2412	.054	.4	.1754
%RSD	59.34	47.45	213.6	2.327	.2605	44.58
#1	7.053	-1.035	.1497	2.295	166.2	.4523
#2	8.694	-1.582	-.3246	2.323	165.4	.5320
#3	1.972	-.5738	-.1639	2.400	166.1	.1962

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.1949</b>	<b>410.3</b>	<b>1.638</b>	<b>9350.</b>
Stddev	.1501	2.1	.153	57.
%RSD	77.02	.5098	9.334	.6140
#1	-.0377	412.6	1.722	9306.
#2	-.2102	409.9	1.731	9328.
#3	-.3367	408.5	1.462	9415.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2958.8</b>	<b>36690.</b>	<b>4864.1</b>
Stddev	17.0	107.	51.2
%RSD	.57349	.29135	1.0530
#1	2939.2	36757.	4809.5
#2	2968.7	36567.	4871.5
#3	2968.6	36747.	4911.2

Sample Name: CCV      Acquired: 4/19/2016 21:15:20      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122600.	2395.	1189.	9860.	1026.	124900.
Stddev	57.	4.	3.	3.	1.	337.
%RSD	.0466	.1494	.2125	.0349	.1060	.2700

#1	122700.	2391.	1186.	9862.	1026.	125300.
#2	122600.	2397.	1190.	9856.	1026.	124700.
#3	122600.	2398.	1191.	9861.	1024.	124800.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1240.	2504.	4928.	12320.	103400.	50560.
Stddev	.	2.	12.	27.	245.	86.
%RSD	.0233	.0758	.2419	.2216	.2373	.1700

#1	1240.	2502.	4938.	12290.	103600.	50660.
#2	1240.	2506.	4931.	12320.	103100.	50530.
#3	1241.	2505.	4915.	12340.	103500.	50490.

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	121600.	5063.	124200.	2459.	7352.	980.7
Stddev	116.	2.	95.	3.	5.	3.8
%RSD	.0957	.0443	.0762	.1162	.0729	.3888

#1	121700.	5065.	124300.	2456.	7354.	977.9
#2	121500.	5060.	124300.	2459.	7346.	979.0
#3	121700.	5063.	124100.	2462.	7356.	985.0

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

Sample Name: CCV      Acquired: 4/19/2016 21:15:20      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2383.</b>	<b>2554.</b>	<b>2510.</b>	<b>2582.</b>	<b>965.2</b>	<b>2461.</b>
Stddev	7.	8.	1.	8.	5.3	4.
%RSD	.2802	.3316	.0285	.3241	.5442	.1763

#1	2381.	2548.	2510.	2591.	959.3	2460.
#2	2377.	2551.	2509.	2581.	967.1	2457.
#3	2390.	2564.	2510.	2574.	969.3	2466.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>989.8</b>	<b>5081.</b>	<b>10180.</b>	<b>9646.</b>
Stddev	2.1	6.	28.	91.
%RSD	.2092	.1209	.2776	.9448

#1	992.2	5087.	10190.	9545.
#2	988.9	5082.	10150.	9722.
#3	988.4	5074.	10210.	9671.

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	<b>2806.8</b>	<b>34846.</b>	<b>4687.5</b>
Stddev	4.8	182.	38.1
%RSD	.17251	.52141	.81209

#1	2801.2	34660.	4646.0
#2	2810.1	35023.	4720.7
#3	2809.0	34855.	4695.9

Sample Name: 460-112378-D-1-B DU      Acquired: 4/19/2016 17:49:21      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>348.2</b>	<b>3.608</b>	<b>-.2371</b>	<b>218.5</b>	<b>-.0027</b>	<b>158000.</b>
Stddev	13.4	1.456	.3096	.9	.1079	243.
%RSD	3.858	40.35	130.6	.4294	3992.	.1537

#1	332.9	4.927	-.5205	219.0	.0935	158000.
#2	353.5	3.850	-.2842	219.1	.0178	158200.
#3	358.2	2.046	.0933	217.4	-.1194	157700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.5092</b>	<b>-.0727</b>	<b>-.3538</b>	<b>5.169</b>	<b>130.7</b>	<b>8919.</b>
Stddev	.0691	.1221	.4949	.215	8.9	67.
%RSD	13.57	168.0	139.8	4.160	6.787	.7513

#1	.4296	-.0691	-.3321	5.115	129.3	8943.
#2	.5436	-.1965	.1298	5.406	122.7	8971.
#3	.5543	.0476	-.8592	4.987	140.2	8843.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>36900.</b>	<b>703.8</b>	<b>F 399400.</b>	<b>6.565</b>	<b>-.2059</b>	<b>-1.774</b>
Stddev	99.	.9	1224.	.226	1.318	.777
%RSD	.2677	.1300	.3065	3.437	640.1	43.79

#1	36830.	704.7	399400.	6.748	-1.357	-2.290
#2	37010.	703.7	398100.	6.313	1.232	-.8804
#3	36850.	702.9	400500.	6.634	-.4925	-2.151

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



Sample Name: 460-112378-D-1-B DU      Acquired: 4/19/2016 17:49:21      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.6310</b>	<b>4.162</b>	<b>1.222</b>	<b>46.96</b>	<b>200.8</b>	<b>.9669</b>
Stddev	1.901	.292	.254	.17	.5	.2617
%RSD	301.3	7.011	20.80	.3671	.2707	27.07
#1	-0.8546	3.976	.9960	46.89	200.7	1.265
#2	-.0259	4.012	1.497	47.16	201.4	.7770
#3	2.774	4.498	1.173	46.84	200.3	.8582

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.2543</b>	<b>744.3</b>	<b>1.496</b>	<b>9374.</b>
Stddev	.5006	2.4	.253	84.
%RSD	196.8	.3183	16.91	.8955
#1	-.6680	744.9	1.687	9425.
#2	.3021	746.3	1.209	9421.
#3	-.3970	741.7	1.591	9278.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2790.4</b>	<b>34415.</b>	<b>4904.7</b>
Stddev	11.6	193.	20.4
%RSD	.41646	.55989	.41521
#1	2787.1	34623.	4927.6
#2	2780.8	34244.	4898.3
#3	2803.3	34377.	4888.4

Sample Name: 460-112378-D-1-A      Acquired: 4/19/2016 17:53:38      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>338.6</b>	<b>2.815</b>	<b>.3986</b>	<b>218.5</b>	<b>.0564</b>	<b>158000.</b>
Stddev	14.1	1.932	.4251	.1	.1041	659.
%RSD	4.160	68.64	106.6	.0346	184.7	.4174

#1	323.3	4.221	.7839	218.6	.1025	157300.
#2	341.5	.6118	-.0575	218.6	-.0628	158600.
#3	351.0	3.613	.4696	218.5	.1294	158000.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.5116</b>	<b>-.0151</b>	<b>-.3004</b>	<b>5.072</b>	<b>115.3</b>	<b>8943.</b>
Stddev	.1264	.2173	.5941	.321	8.3	16.
%RSD	24.70	1444.	197.7	6.334	7.239	.1794

#1	.4111	.0804	.0088	5.442	124.8	8929.
#2	.4703	.1383	.0752	4.902	111.7	8940.
#3	.6535	-.2638	-.9854	4.871	109.3	8961.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>36860.</b>	<b>703.8</b>	<b>F 394600.</b>	<b>6.557</b>	<b>.9520</b>	<b>-2.270</b>
Stddev	160.	1.4	1962.	.203	1.372	.806
%RSD	.4331	.2005	.4972	3.093	144.1	35.50

#1	36700.	702.1	392800.	6.782	.4343	-2.007
#2	37010.	704.6	394200.	6.499	-.0859	-1.629
#3	36880.	704.6	396700.	6.390	2.508	-3.175

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

Sample Name: 460-112378-D-1-A      Acquired: 4/19/2016 17:53:38      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0484</b>	<b>2.759</b>	<b>1.258</b>	<b>47.29</b>	<b>200.1</b>	<b>1.008</b>
Stddev	3.479	2.947	.580	.34	.8	.100
%RSD	7191.	106.8	46.10	.7252	.4246	9.909
#1	-1.414	2.437	1.394	47.66	200.5	1.118
#2	4.020	-.0139	1.758	47.24	200.7	.9820
#3	-2.461	5.853	.6223	46.98	199.1	.9238

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.1646</b>	<b>748.1</b>	<b>1.512</b>	<b>9285.</b>
Stddev	.3066	2.8	.350	97.
%RSD	186.2	.3694	23.14	1.040
#1	.0229	744.9	1.151	9383.
#2	-.5184	749.9	1.849	9190.
#3	.0016	749.4	1.536	9282.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2780.1</b>	<b>34300.</b>	<b>4850.4</b>
Stddev	5.1	271.	55.3
%RSD	.18411	.79141	1.1410
#1	2784.4	34614.	4913.0
#2	2781.4	34145.	4808.0
#3	2774.4	34142.	4830.2

Sample Name: CCV      Acquired: 4/19/2016 17:57:55      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124800.	2472.	1234.	10100.	1004.	125700.
Stddev	314.	9.	3.	20.	4.	158.
%RSD	.2517	.3629	.2273	.2021	.4014	.1259

#1	124800.	2477.	1233.	10090.	1002.	125600.
#2	124500.	2479.	1232.	10120.	1002.	125600.
#3	125100.	2462.	1237.	10090.	1009.	125900.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1264.	2514.	5067.	12330.	101100.	49380.
Stddev	3.	4.	9.	23.	167.	182.
%RSD	.2496	.1707	.1783	.1840	.1654	.3676

#1	1264.	2511.	5073.	12330.	101000.	49280.
#2	1267.	2519.	5057.	12310.	101100.	49270.
#3	1260.	2511.	5071.	12350.	101300.	49590.

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	125300.	5076.	124900.	2531.	7605.	988.0
Stddev	228.	6.	405.	8.	20.	3.0
%RSD	.1821	.1212	.3244	.3025	.2672	.3055

#1	125400.	5075.	124500.	2530.	7599.	990.3
#2	125000.	5071.	124900.	2539.	7627.	989.1
#3	125500.	5083.	125300.	2524.	7588.	984.5

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

Sample Name: CCV      Acquired: 4/19/2016 17:57:55      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2489.</b>	<b>2536.</b>	<b>2506.</b>	<b>2549.</b>	<b>998.8</b>	<b>2505.</b>
Stddev	22.	12.	6.	9.	3.5	6.
%RSD	.8709	.4561	.2286	.3502	.3456	.2341

#1	<b>2506.</b>	<b>2536.</b>	<b>2509.</b>	<b>2541.</b>	<b>999.6</b>	<b>2502.</b>
#2	<b>2498.</b>	<b>2547.</b>	<b>2499.</b>	<b>2559.</b>	<b>1002.</b>	<b>2512.</b>
#3	<b>2465.</b>	<b>2524.</b>	<b>2510.</b>	<b>2548.</b>	<b>995.0</b>	<b>2501.</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1011.</b>	<b>5026.</b>	<b>10020.</b>	<b>9724.</b>
Stddev	5.	10.	70.	75.
%RSD	.4688	.2023	.6996	.7738

#1	<b>1011.</b>	<b>5030.</b>	<b>9937.</b>	<b>9748.</b>
#2	<b>1016.</b>	<b>5014.</b>	<b>10050.</b>	<b>9785.</b>
#3	<b>1006.</b>	<b>5033.</b>	<b>10060.</b>	<b>9640.</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	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	<b>2781.3</b>	<b>34712.</b>	<b>4865.1</b>
Stddev	15.8	156.	53.9
%RSD	.56973	.45064	1.1069

#1	<b>2799.5</b>	<b>34778.</b>	<b>4878.7</b>
#2	<b>2773.4</b>	<b>34824.</b>	<b>4910.9</b>
#3	<b>2770.9</b>	<b>34533.</b>	<b>4805.8</b>

Sample Name: 460-112378-D-1-C MS      Acquired: 4/19/2016 18:14:24      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2320.	1973.	49.57	2155.	49.66	176100.
Stddev	5.	9.	.30	2.	.26	1002.
%RSD	.2330	.4420	.6067	.0874	.5217	.5690

#1	2316.	1964.	49.46	2156.	49.89	177200.
#2	2326.	1981.	49.91	2156.	49.38	175300.
#3	2318.	1974.	49.34	2153.	49.70	175700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.73	493.1	200.9	250.0	1106.	27470.
Stddev	.11	.7	1.4	1.6	18.	61.
%RSD	.2149	.1396	.7163	.6247	1.597	.2207

#1	49.61	493.9	202.2	249.0	1087.	27530.
#2	49.82	492.5	201.1	251.8	1121.	27460.
#3	49.77	492.9	199.3	249.1	1111.	27410.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	55620.	1195.	F 422000.	502.1	495.2	477.7
Stddev	272.	4.	5014.	.6	3.4	.6
%RSD	.4885	.2977	1.188	.1175	.6799	.1289

#1	55930.	1199.	424700.	502.8	497.5	477.3
#2	55490.	1192.	425000.	501.9	491.3	477.5
#3	55440.	1194.	416200.	501.7	496.7	478.4

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

Sample Name: 460-112378-D-1-C MS      Acquired: 4/19/2016 18:14:24      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2019.	2007.	504.5	561.7	706.8	486.7
Stddev	4.	11.	1.2	1.3	1.3	.9
%RSD	.2144	.5491	.2365	.2388	.1879	.1863
#1	2015.	1996.	504.2	560.2	705.3	485.7
#2	2018.	2009.	503.6	562.2	707.7	487.5
#3	2024.	2017.	505.9	562.7	707.5	487.0

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	497.8	1232.	500.5	9491.
Stddev	3.6	2.	.3	141.
%RSD	.7162	.1857	.0667	1.484
#1	495.2	1232.	500.3	9331.
#2	496.3	1235.	500.8	9546.
#3	501.8	1230.	500.3	9596.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2804.3	34675.	4899.0
Stddev	12.5	175.	58.0
%RSD	.44640	.50337	1.1832
#1	2817.6	34492.	4832.8
#2	2802.5	34840.	4923.3
#3	2792.8	34694.	4940.8

Sample Name: CCB      Acquired: 4/19/2016 18:01:50      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-19.17</b>	<b>-.1410</b>	<b>.5801</b>	<b>.2534</b>	<b>.0182</b>	<b>8.005</b>
Stddev	7.05	1.144	.3690	.3170	.0756	27.08
%RSD	36.78	811.3	63.61	125.1	414.5	338.3
#1	-11.35	-.6877	.4500	.0713	.0937	-6.254
#2	-21.11	-.9095	.9965	.0694	-.0576	39.24
#3	-25.05	1.174	.2938	.6195	.0186	-8.967

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0404</b>	<b>-.0593</b>	<b>1.253</b>	<b>1.305</b>	<b>10.75</b>	<b>30.08</b>
Stddev	.0381	.0801	.871	2.259	14.97	10.73
%RSD	94.25	135.2	69.49	173.1	139.2	35.67
#1	.0280	.0215	.4835	.0384	4.562	18.64
#2	.0831	-.1387	2.198	3.913	27.82	31.68
#3	.0101	-.0606	1.077	-.0363	-.1330	39.91

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.615</b>	<b>.6455</b>	<b>84.52</b>	<b>-.0114</b>	<b>.5190</b>	<b>1.411</b>
Stddev	22.48	1.047	11.36	.0388	2.426	.994
%RSD	859.6	162.3	13.44	341.5	467.4	70.42
#1	-11.74	.0065	97.34	-.0489	-1.869	2.472
#2	28.52	1.854	80.56	-.0138	.4457	1.259
#3	-8.932	.0758	75.68	.0286	2.980	.5023

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



Sample Name: CCB      Acquired: 4/19/2016 18:01:50      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0399</b>	<b>-.8046</b>	<b>.3291</b>	<b>.1111</b>	<b>1.049</b>	<b>.9955</b>
Stddev	3.594	1.328	.6434	.2434	.556	.1571
%RSD	8997.	165.1	195.5	219.0	53.00	15.78
#1	-2.804	-2.181	.0369	.3917	1.640	1.156
#2	4.022	.4696	1.067	-.0160	.9721	.9876
#3	-1.339	-.7021	-.1162	-.0424	.5359	.8426

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.2481</b>	<b>.1928</b>	<b>1.581</b>	<b>14.84</b>
Stddev	.0994	.0785	1.910	11.01
%RSD	40.06	40.72	120.8	74.16
#1	-.1363	.1327	.4641	2.169
#2	-.2815	.1640	3.787	20.33
#3	-.3265	.2816	.4925	22.02

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	<b>2961.4</b>	<b>36360.</b>	<b>4859.4</b>
Stddev	20.7	499.	102.8
%RSD	.70045	1.3735	2.1162
#1	2938.0	35900.	4748.6
#2	2968.8	36289.	4878.0
#3	2977.5	36891.	4951.8

Sample Name: 460-112377-D-1-A      Acquired: 4/19/2016 18:22:42      Type: Unk

Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>373.9</b>	<b>4.300</b>	<b>.1670</b>	<b>218.3</b>	<b>-.0171</b>	<b>158000.</b>
Stddev	4.3	3.591	.0796	.3	.0908	658.
%RSD	1.151	83.51	47.65	.1189	530.7	.4162

#1	378.8	2.991	.0906	218.6	-.1154	158400.
#2	371.7	1.547	.2494	218.0	.0636	157200.
#3	371.1	8.362	.1612	218.3	.0005	158400.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.4350</b>	<b>-.2451</b>	<b>-.2340</b>	<b>5.166</b>	<b>125.1</b>	<b>9087.</b>
Stddev	.2076	.1553	.1294	.045	2.0	57.
%RSD	47.71	63.35	55.32	.8678	1.574	.6223

#1	.6702	-.0817	-.2953	5.146	126.5	9024.
#2	.3572	-.3907	-.0853	5.134	122.9	9103.
#3	.2776	-.2629	-.3213	5.217	126.0	9134.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>36760.</b>	<b>710.0</b>	<b>F 396200.</b>	<b>6.235</b>	<b>-.3223</b>	<b>-2.146</b>
Stddev	115.	1.6	1596.	.310	1.451	2.542
%RSD	.3133	.2314	.4027	4.971	450.3	118.4

#1	36820.	710.9	397800.	6.557	.2085	.5443
#2	36620.	708.1	394600.	5.939	.7889	-2.475
#3	36830.	711.0	396300.	6.209	-1.964	-4.507

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

Sample Name: 460-112377-D-1-A      Acquired: 4/19/2016 18:22:42      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.5236</b>	<b>1.207</b>	<b>.8401</b>	<b>46.10</b>	<b>199.6</b>	<b>.6248</b>
Stddev	2.905	.759	.2296	.34	1.9	.1392
%RSD	554.9	62.92	27.33	.7306	.9295	22.28
#1	3.689	1.442	.5832	46.46	198.0	.5550
#2	-.0975	.3576	1.025	46.05	201.7	.7851
#3	-2.021	1.820	.9120	45.80	199.2	.5344

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.2785</b>	<b>753.4</b>	<b>1.491</b>	<b>9573.</b>
Stddev	.2308	1.6	.230	106.
%RSD	82.88	.2182	15.44	1.102
#1	.3316	751.7	1.454	9465.
#2	.0258	755.0	1.282	9675.
#3	.4782	753.4	1.738	9579.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2802.3</b>	<b>34664.</b>	<b>4941.5</b>
Stddev	18.1	275.	50.8
%RSD	.64712	.79206	1.0280
#1	2822.1	34680.	4939.5
#2	2798.4	34930.	4993.3
#3	2786.4	34381.	4891.8

Sample Name: 460-112380-D-1-A      Acquired: 4/19/2016 18:27:00      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	825.9	2.154	.8598	30.05	.1142	46230.
Stddev	13.4	.569	.4028	.15	.0355	181.
%RSD	1.625	26.43	46.86	.4987	31.10	.3909

#1	830.3	2.784	1.172	30.22	.1552	46430.
#2	810.8	1.678	.4049	29.94	.0929	46170.
#3	836.5	1.999	1.003	30.00	.0946	46080.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2071	.0995	2.117	10.78	1387.	67580.
Stddev	.0376	.1003	.480	.35	13.	290.
%RSD	18.14	100.7	22.68	3.258	.9028	.4291

#1	.1760	.1478	1.961	10.62	1399.	67780.
#2	.1963	.1665	2.656	11.18	1388.	67720.
#3	.2488	-.0157	1.735	10.53	1374.	67250.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9043.	19.66	F 336900.	3.795	1.509	.4155
Stddev	27.	.20	4037.	.059	.924	1.023
%RSD	.3005	1.037	1.198	1.555	61.22	246.2

#1	9055.	19.86	341600.	3.740	2.196	.7395
#2	9062.	19.67	334500.	3.857	1.872	-.7304
#3	9012.	19.46	334700.	3.787	.4587	1.237

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

Sample Name: 460-112380-D-1-A      Acquired: 4/19/2016 18:27:00      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.7685</b>	<b>1.758</b>	<b>1.240</b>	<b>35.64</b>	<b>109.0</b>	<b>-.4794</b>
Stddev	1.137	1.303	.369	.24	.7	.1028
%RSD	148.0	74.15	29.79	.6798	.6679	21.44
#1	1.735	3.237	1.150	35.38	108.4	-.5818
#2	1.055	1.259	.9235	35.86	108.8	-.3763
#3	-.4846	.7776	1.646	35.68	109.8	-.4801

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.2213</b>	<b>255.1</b>	<b>20.31</b>	<b>1153.</b>
Stddev	.1932	.5	1.13	36.
%RSD	87.33	.2076	5.579	3.101
#1	.4053	255.7	20.58	1118.
#2	.0200	255.1	21.29	1150.
#3	.2384	254.6	19.07	1189.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2853.7</b>	<b>35308.</b>	<b>4959.4</b>
Stddev	6.4	61.	13.8
%RSD	.22346	.17143	.27779
#1	2857.7	35357.	4947.7
#2	2846.4	35240.	4974.6
#3	2857.1	35327.	4955.9

Sample Name: 460-112380-D-3-A      Acquired: 4/19/2016 18:35:36      Type: Unk

Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3240.</b>	<b>5.658</b>	<b>.1465</b>	<b>50.84</b>	<b>.4475</b>	<b>24490.</b>
Stddev	15.	1.595	.2382	.21	.0806	190.
%RSD	.4701	28.20	162.6	.4171	18.01	.7754

#1	3243.	6.219	.3766	50.84	.3584	24680.
#2	3223.	6.896	-.0991	51.05	.5153	24490.
#3	3253.	3.857	.1621	50.63	.4689	24300.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.2013</b>	<b>.2686</b>	<b>7.071</b>	<b>9.707</b>	<b>3769.</b>	<b>90660.</b>
Stddev	.0509	.0709	.373	.156	17.	319.
%RSD	25.31	26.40	5.281	1.606	.4623	.3516

#1	.2028	.2988	7.447	9.598	3779.	91020.
#2	.1496	.1876	6.701	9.636	3749.	90430.
#3	.2515	.3195	7.065	9.885	3779.	90530.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4978.</b>	<b>28.99</b>	<b>F 285100.</b>	<b>2.097</b>	<b>12.28</b>	<b>-.2431</b>
Stddev	40.	.28	3635.	.064	.87	.6728
%RSD	.8118	.9732	1.275	3.068	7.055	276.7

#1	5024.	29.29	283500.	2.159	12.53	.4800
#2	4947.	28.93	289300.	2.030	11.32	-.8506
#3	4963.	28.74	282600.	2.101	13.00	-.3588

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

Sample Name: 460-112380-D-3-A      Acquired: 4/19/2016 18:35:36      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.508	-1.037	5.954	48.67	69.25	-.0846
Stddev	3.301	.923	.401	.26	.09	.1744
%RSD	218.9	88.97	6.739	.5421	.1312	206.2
#1	-3.873	-1.734	6.324	48.37	69.35	-.1393
#2	2.263	.0095	5.528	48.87	69.19	.1106
#3	-2.914	-1.388	6.011	48.77	69.20	-.2250

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1860	147.9	28.05	2652.
Stddev	.2573	.5	.52	47.
%RSD	138.3	.3572	1.859	1.756
#1	-.4799	147.8	28.01	2667.
#2	-.0008	147.4	28.60	2599.
#3	-.0775	148.5	27.56	2688.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2884.9	35508.	5007.7
Stddev	12.5	144.	29.8
%RSD	.43260	.40656	.59483
#1	2898.9	35482.	5038.5
#2	2874.8	35379.	5005.4
#3	2881.2	35664.	4979.1

Sample Name: 460-112269-D-1-A      Acquired: 4/19/2016 18:39:53      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125.7	-1.1926	-0.0633	70.73	-0.0042	46290.
Stddev	1.8	2.765	.5799	.31	.1130	234.
%RSD	1.411	1436.	915.9	.4401	2702.	.5056

#1	123.6	2.727	.5195	70.93	.0940	46560.
#2	126.7	-2.771	-.6402	70.37	.0210	46160.
#3	126.7	-.5338	-.0692	70.89	-.1276	46160.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1353	-.1135	.5419	49.80	130.2	8211.
Stddev	.0963	.0767	.3688	.06	5.8	34.
%RSD	71.12	67.60	68.06	.1160	4.455	.4188

#1	.2047	-.0389	.1606	49.86	130.9	8249.
#2	.0255	-.1093	.8969	49.80	124.1	8182.
#3	.1758	-.1922	.5683	49.75	135.7	8202.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15690.	3.965	128900.	2.472	.7053	-2.080
Stddev	64.	.075	966.	.315	2.656	1.569
%RSD	.4061	1.897	.7494	12.73	376.5	75.42

#1	15760.	4.052	130000.	2.797	1.911	-.3016
#2	15660.	3.925	128400.	2.450	-2.339	-3.267
#3	15640.	3.919	128300.	2.168	2.545	-2.671

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



Sample Name: 460-112269-D-1-A      Acquired: 4/19/2016 18:39:53      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.5351</b>	<b>2.453</b>	<b>.4148</b>	<b>530.1</b>	<b>28.69</b>	<b>.2593</b>
Stddev	1.479	.692	.4278	2.2	.86	.1300
%RSD	276.5	28.22	103.1	.4189	2.985	50.14
#1	<b>-.3789</b>	<b>1.826</b>	<b>.2589</b>	<b>531.6</b>	<b>28.95</b>	<b>.2434</b>
#2	<b>.8600</b>	<b>2.337</b>	<b>.8987</b>	<b>527.6</b>	<b>27.73</b>	<b>.1380</b>
#3	<b>-2.086</b>	<b>3.196</b>	<b>.0868</b>	<b>531.3</b>	<b>29.39</b>	<b>.3966</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.2388</b>	<b>203.7</b>	<b>4.073</b>	<b>952.9</b>
Stddev	.2936	.9	.905	13.1
%RSD	122.9	.4199	22.21	1.373
#1	<b>.5593</b>	<b>204.7</b>	<b>3.087</b>	<b>959.1</b>
#2	<b>.1745</b>	<b>203.2</b>	<b>4.864</b>	<b>937.9</b>
#3	<b>-.0173</b>	<b>203.1</b>	<b>4.269</b>	<b>961.8</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2919.5</b>	<b>36131.</b>	<b>5000.0</b>
Stddev	12.7	249.	37.5
%RSD	.43347	.69026	.74951
#1	<b>2913.6</b>	<b>35846.</b>	<b>4958.2</b>
#2	<b>2934.0</b>	<b>36308.</b>	<b>5011.4</b>
#3	<b>2910.8</b>	<b>36239.</b>	<b>5030.5</b>

Sample Name: MB 460-363006/1-A      Acquired: 4/19/2016 18:44:06      Type: QC

Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-15.28</b>	<b>-1.652</b>	<b>.2578</b>	<b>-.0775</b>	<b>.0473</b>	<b>-1.965</b>
Stddev	7.01	1.656	.2269	.0476	.1109	5.965
%RSD	45.84	100.2	88.00	61.45	234.6	303.5

#1	-7.699	-3.543	.3130	-.0903	.1683	4.831
#2	-21.51	-.9521	.4521	-.1174	-.0497	-6.337
#3	-16.64	-.4621	.0084	-.0248	.0233	-4.390

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0084</b>	<b>-.0247</b>	<b>.2692</b>	<b>.2040</b>	<b>1.230</b>	<b>108.6</b>
Stddev	.0265	.2700	.1449	.1912	5.605	23.8
%RSD	314.1	1091.	53.83	93.73	455.6	21.89

#1	.0296	-.3190	.1950	.0149	-5.203	116.4
#2	-.0212	.2115	.4363	.3973	5.063	127.5
#3	.0169	.0333	.1764	.1999	3.830	81.92

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-12.97</b>	<b>-.0603</b>	<b>180.1</b>	<b>.1798</b>	<b>-.9236</b>	<b>.6639</b>
Stddev	4.80	.0660	24.4	.7151	1.343	1.150
%RSD	37.00	109.5	13.58	397.6	145.4	173.3

#1	-12.61	-.0534	201.4	.9855	-1.847	1.991
#2	-17.94	-.1294	185.5	-.3796	.6165	-.0467
#3	-8.363	.0021	153.4	-.0663	-1.541	.0475

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

Sample Name: MB 460-363006/1-A      Acquired: 4/19/2016 18:44:06      Type: QC

Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.112	.1630	-.1984	.6594	-.6762	-.0537
Stddev	1.342	.6819	.3485	.0984	.1192	.0915
%RSD	63.52	418.3	175.6	14.92	17.63	170.5

#1	-3.661	-.5451	-.6006	.7234	-.8134	-.1544
#2	-1.351	.8153	-.0084	.7087	-.5976	.0244
#3	-1.324	.2188	.0137	.5461	-.6178	-.0310

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3095	.1928	.0219	19.26
Stddev	.4471	.0427	.0886	7.72
%RSD	144.4	22.16	405.2	40.07

#1	-.2290	.1494	-.0710	15.51
#2	.0918	.1941	.1056	28.13
#3	-.7914	.2349	.0310	14.13

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	2957.7	36665.	4856.6
Stddev	14.0	80.	38.1
%RSD	.47353	.21834	.78524

#1	2943.7	36586.	4830.2
#2	2971.7	36662.	4839.3
#3	2957.9	36746.	4900.3

Sample Name: CCV      Acquired: 4/19/2016 18:52:20      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123500.	2454.	1216.	10020.	1009.	124500.
Stddev	218.	5.	3.	5.	1.	341.
%RSD	.1761	.2051	.2712	.0535	.1261	.2735

#1	123200.	2457.	1213.	10010.	1008.	124200.
#2	123600.	2448.	1216.	10020.	1010.	124700.
#3	123600.	2456.	1220.	10010.	1010.	124800.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1254.	2510.	4992.	12350.	101400.	49710.
Stddev	2.	1.	9.	32.	156.	131.
%RSD	.1377	.0413	.1862	.2590	.1534	.2635

#1	1256.	2509.	4985.	12390.	101500.	49720.
#2	1254.	2511.	5003.	12330.	101500.	49580.
#3	1253.	2509.	4989.	12330.	101200.	49850.

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.	5043.	124400.	2507.	7518.	986.0
Stddev	129.	7.	125.	2.	9.	.9
%RSD	.1049	.1447	.1007	.0624	.1164	.0940

#1	123100.	5036.	124400.	2508.	7519.	985.0
#2	123000.	5041.	124400.	2509.	7527.	986.4
#3	123300.	5051.	124600.	2505.	7509.	986.7

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

Sample Name: CCV      Acquired: 4/19/2016 18:52:20      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2455.	2548.	2500.	2552.	992.7	2494.
Stddev	15.	10.	2.	4.	2.7	4.
%RSD	.6088	.4040	.0661	.1733	.2706	.1432

#1	2456.	2537.	2498.	2553.	992.2	2495.
#2	2469.	2551.	2499.	2548.	995.7	2497.
#3	2440.	2557.	2502.	2557.	990.4	2490.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1002.	5039.	10060.	9768.
Stddev	3.	8.	50.	23.
%RSD	.2780	.1545	.4934	.2387

#1	999.2	5040.	10110.	9792.
#2	1005.	5030.	10050.	9746.
#3	1003.	5046.	10010.	9764.

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	2782.4	34936.	4851.5
Stddev	7.4	82.	28.5
%RSD	.26539	.23495	.58654

#1	2787.4	35012.	4883.8
#2	2785.9	34849.	4830.2
#3	2774.0	34948.	4840.6

Sample Name: CCVL      Acquired: 4/19/2016 19:00:38      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>206.4</b>	<b>13.61</b>	<b>9.908</b>	<b>208.5</b>	<b>2.185</b>	<b>5105.</b>
Stddev	8.7	1.49	.384	.3	.056	6.
%RSD	4.200	10.93	3.878	.1473	2.572	.1146

#1	211.2	12.10	9.526	208.1	2.122	5106.
#2	211.7	13.66	9.904	208.6	2.231	5099.
#3	196.4	15.08	10.29	208.7	2.202	5110.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.342</b>	<b>53.67</b>	<b>10.35</b>	<b>24.85</b>	<b>153.9</b>	<b>4947.</b>
Stddev	.009	.13	.62	.13	5.8	31.
%RSD	.1967	.2386	5.957	.5397	3.768	.6229

#1	4.333	53.66	9.670	24.73	154.2	4937.
#2	4.349	53.80	10.53	24.82	147.9	4923.
#3	4.344	53.54	10.87	25.00	159.5	4982.

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	<b>4841.</b>	<b>16.00</b>	<b>4999.</b>	<b>42.91</b>	<b>11.06</b>	<b>18.97</b>
Stddev	5.	.06	13.	.12	.66	.32
%RSD	.1029	.3578	.2555	.2741	5.933	1.706

#1	4843.	16.06	4992.	42.79	11.01	19.09
#2	4835.	15.95	5013.	42.93	11.74	19.22
#3	4844.	15.99	4990.	43.02	10.43	18.61

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

Sample Name: CCVL      Acquired: 4/19/2016 19:00:38      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.95	22.76	51.21	32.57	49.44	20.37
Stddev	.34	1.57	.22	.10	.85	.08
%RSD	1.795	6.899	.4306	.2994	1.714	.3828

#1	18.73	24.56	51.36	32.61	49.34	20.30
#2	19.34	21.74	50.96	32.63	50.34	20.45
#3	18.77	21.96	51.31	32.45	48.65	20.35

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	50.37	20.95	20.90	F 22.61
Stddev	1.29	.11	.17	15.96
%RSD	2.558	.5156	.8226	70.59

#1	49.89	20.83	20.72	20.66
#2	51.83	20.96	20.92	7.714
#3	49.39	21.05	21.06	39.46

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2968.9	36853.	4889.3
Stddev	12.0	71.	36.6
%RSD	.40317	.19136	.74842

#1	2982.6	36812.	4889.0
#2	2962.8	36935.	4926.0
#3	2961.1	36814.	4852.9

Sample Name: 460-112289-A-2-A DU      Acquired: 4/19/2016 19:04:52      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>19.35</b>	<b>2.814</b>	<b>.0266</b>	<b>99.14</b>	<b>-.0040</b>	<b>13810.</b>
Stddev	16.95	1.262	.1887	.34	.0666	63.
%RSD	87.62	44.85	709.7	.3459	1651.	.4540
#1	37.66	3.127	.1013	98.76	-.0417	13750.
#2	16.19	3.890	.1665	99.24	-.0433	13800.
#3	4.196	1.425	-.1880	99.42	.0729	13870.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0186</b>	<b>13.23</b>	<b>1.088</b>	<b>.5718</b>	<b>1874.</b>	<b>2484.</b>
Stddev	.0845	.27	.161	.1181	14.	11.
%RSD	454.3	2.057	14.77	20.66	.7598	.4524
#1	.0723	13.46	1.253	.6509	1860.	2475.
#2	-.0334	12.93	.9319	.6285	1889.	2497.
#3	-.0947	13.31	1.078	.4360	1874.	2482.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5933.</b>	<b>1189.</b>	<b>17340.</b>	<b>2.090</b>	<b>-.5117</b>	<b>.3254</b>
Stddev	47.	3.	69.	.805	.7048	.1343
%RSD	.7953	.2394	.3993	38.50	137.7	41.27
#1	5898.	1186.	17420.	2.991	-1.293	.3918
#2	5915.	1190.	17330.	1.840	.0770	.1708
#3	5987.	1191.	17280.	1.440	-.3195	.4136

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



Sample Name: 460-112289-A-2-A DU      Acquired: 4/19/2016 19:04:52      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1650</b>	<b>-1.026</b>	<b>-.2406</b>	<b>9.466</b>	<b>41.23</b>	<b>.1013</b>
Stddev	2.259	.152	.1459	.062	.43	.1253
%RSD	1369.	14.84	60.63	.6536	1.052	123.7
#1	2.773	-1.018	-.2377	9.417	40.89	.1867
#2	-1.132	-.8775	-.0962	9.445	41.72	-.0426
#3	-1.146	-1.182	-.3878	9.536	41.07	.1598

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.0470</b>	<b>150.0</b>	<b>.7601</b>	<b>3838.</b>
Stddev	.6102	.1	.0490	32.
%RSD	1297.	.0617	6.445	.8331
#1	.6202	149.9	.7250	3833.
#2	-.5767	150.0	.8161	3873.
#3	-.1846	150.0	.7393	3809.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2943.3</b>	<b>36686.</b>	<b>4858.6</b>
Stddev	9.6	276.	18.7
%RSD	.32690	.75145	.38513
#1	2948.3	36990.	4880.0
#2	2932.2	36616.	4845.4
#3	2949.5	36452.	4850.5

Sample Name: 460-112289-E-2-A      Acquired: 4/19/2016 19:09:07      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>28.09</b>	<b>.6048</b>	<b>.5429</b>	<b>98.93</b>	<b>.0394</b>	<b>13780.</b>
Stddev	8.30	1.975	.6824	.47	.0707	42.
%RSD	29.54	326.5	125.7	.4731	179.6	.3051
#1	19.77	-.4119	.0210	99.30	.1176	13770.
#2	28.13	-.6542	1.315	98.41	-.0198	13820.
#3	36.36	2.881	.2924	99.09	.0202	13740.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0113</b>	<b>13.14</b>	<b>.7087</b>	<b>.2751</b>	<b>1862.</b>	<b>2508.</b>
Stddev	.0672	.06	.1579	.1875	7.	26.
%RSD	596.5	.4847	22.29	68.15	.3853	1.029
#1	.0315	13.07	.8801	.2329	1869.	2479.
#2	.0234	13.20	.5690	.1123	1855.	2529.
#3	-.0887	13.13	.6770	.4801	1863.	2517.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5939.</b>	<b>1188.</b>	<b>17290.</b>	<b>2.350</b>	<b>-.6426</b>	<b>.0383</b>
Stddev	26.	2.	63.	.329	1.878	.8664
%RSD	.4438	.1816	.3658	14.02	292.2	2260.
#1	5935.	1189.	17360.	2.579	1.361	.6240
#2	5967.	1190.	17290.	1.973	-.9277	.4479
#3	5914.	1186.	17230.	2.499	-2.361	-.9569

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

Sample Name: 460-112289-E-2-A      Acquired: 4/19/2016 19:09:07      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.620</b>	<b>-.1291</b>	<b>-.0795</b>	<b>9.316</b>	<b>40.63</b>	<b>.0603</b>
Stddev	1.942	1.044	.2428	.120	.67	.0769
%RSD	53.64	808.9	305.4	1.286	1.642	127.6
#1	5.582	-.5999	.1263	9.449	40.48	.0015
#2	3.579	-.8551	-.0175	9.283	40.04	.1474
#3	1.699	1.068	-.3473	9.216	41.35	.0320

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.7411</b>	<b>150.2</b>	<b>.6843</b>	<b>3830.</b>
Stddev	.5155	.2	.1480	54.
%RSD	69.56	.1252	21.62	1.398
#1	-.3749	150.3	.6195	3779.
#2	-.5178	150.2	.5798	3824.
#3	-1.331	149.9	.8536	3886.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2961.1</b>	<b>36723.</b>	<b>4922.1</b>
Stddev	5.2	287.	23.0
%RSD	.17557	.78109	.46707
#1	2958.0	37052.	4895.6
#2	2967.1	36529.	4934.9
#3	2958.1	36587.	4935.9

Sample Name: sd 460-112289-E-2-A      Acquired: 4/19/2016 19:13:21      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-13.40</b>	<b>.5998</b>	<b>.1621</b>	<b>19.06</b>	<b>.0551</b>	<b>2677.</b>
Stddev	14.36	1.027	.2808	.16	.0371	7.
%RSD	107.1	171.3	173.2	.8363	67.35	.2706
#1	-6.568	.7413	.3522	19.23	.0335	2685.
#2	-29.90	1.549	.2946	19.03	.0979	2671.
#3	-3.739	-.4908	-.1604	18.92	.0338	2675.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0470</b>	<b>2.535</b>	<b>.7047</b>	<b>.3394</b>	<b>345.9</b>	<b>503.6</b>
Stddev	.0924	.037	.1864	.2325	3.5	10.4
%RSD	196.5	1.445	26.45	68.51	1.007	2.069
#1	.1534	2.576	.8495	.2993	346.4	513.4
#2	-.0135	2.525	.4944	.1295	349.1	504.6
#3	.0012	2.505	.7701	.5894	342.2	492.7

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1127.</b>	<b>231.8</b>	<b>3367.</b>	<b>.3833</b>	<b>.2544</b>	<b>-.2732</b>
Stddev	7.	.8	16.	.4395	.9536	1.275
%RSD	.6222	.3448	.4624	114.7	374.8	466.6
#1	1128.	232.6	3380.	.8342	-.7660	1.140
#2	1133.	231.9	3373.	-.0439	.4062	-.6232
#3	1119.	231.0	3350.	.3596	1.123	-1.336

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

Sample Name: sd 460-112289-E-2-A      Acquired: 4/19/2016 19:13:21      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.6556</b>	<b>.1876</b>	<b>.0326</b>	<b>2.273</b>	<b>6.852</b>	<b>-.1594</b>
Stddev	2.723	1.979	.2141	.102	.302	.1514
%RSD	415.4	1055.	656.5	4.475	4.405	94.94
#1	<b>-.4989</b>	<b>-2.087</b>	<b>.1074</b>	<b>2.203</b>	<b>6.977</b>	<b>-.0300</b>
#2	<b>1.986</b>	<b>1.518</b>	<b>-.2088</b>	<b>2.227</b>	<b>7.071</b>	<b>-.3258</b>
#3	<b>-3.454</b>	<b>1.131</b>	<b>.1993</b>	<b>2.390</b>	<b>6.508</b>	<b>-.1225</b>

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.6537</b>	<b>29.11</b>	<b>.2694</b>	<b>725.6</b>
Stddev	.6192	.11	.2197	24.3
%RSD	94.71	.3678	81.54	3.345
#1	<b>-.9930</b>	<b>29.23</b>	<b>.4865</b>	<b>744.8</b>
#2	<b>-1.029</b>	<b>29.02</b>	<b>.2745</b>	<b>733.8</b>
#3	<b>.0609</b>	<b>29.08</b>	<b>.0473</b>	<b>698.4</b>

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2987.5</b>	<b>37082.</b>	<b>4878.4</b>
Stddev	28.1	303.	41.3
%RSD	.94157	.81786	.84757
#1	<b>2955.9</b>	<b>36791.</b>	<b>4830.7</b>
#2	<b>2996.5</b>	<b>37057.</b>	<b>4903.8</b>
#3	<b>3009.9</b>	<b>37397.</b>	<b>4900.7</b>

Sample Name: 460-112289-E-2-B MS      Acquired: 4/19/2016 19:17:36      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2064.	1913.	48.02	2115.	52.47	33470.
Stddev	3.	6.	.17	1.	.18	50.
%RSD	.1353	.2880	.3481	.0414	.3370	.1487
#1	2061.	1916.	48.20	2114.	52.62	33440.
#2	2064.	1916.	47.88	2115.	52.51	33450.
#3	2067.	1907.	47.98	2115.	52.27	33530.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.20	530.5	206.8	244.5	2876.	21070.
Stddev	.08	.3	.2	.8	16.	45.
%RSD	.1521	.0584	.1114	.3339	.5444	.2145
#1	51.11	530.6	207.1	245.5	2866.	21090.
#2	51.22	530.2	206.7	244.0	2894.	21100.
#3	51.26	530.8	206.6	244.1	2869.	21020.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24820.	1689.	37310.	522.2	517.1	478.9
Stddev	32.	2.	88.	.3	.8	.6
%RSD	.1305	.1322	.2363	.0642	.1460	.1159
#1	24830.	1688.	37280.	521.9	517.2	479.3
#2	24780.	1688.	37410.	522.5	516.3	479.1
#3	24840.	1692.	37240.	522.0	517.8	478.2

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

Sample Name: 460-112289-E-2-B MS      Acquired: 4/19/2016 19:17:36      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1937.	2201.	510.0	539.1	542.8	502.9
Stddev	10.	2.	.7	1.5	1.9	1.6
%RSD	.5107	.0848	.1382	.2782	.3507	.3168
#1	1937.	2203.	509.2	537.7	540.7	501.1
#2	1947.	2203.	510.5	539.1	544.5	503.2
#3	1927.	2199.	510.3	540.7	543.1	504.3

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	517.4	655.1	514.5	3968.
Stddev	1.2	1.3	1.0	10.
%RSD	.2357	.2029	.2018	.2404
#1	516.2	656.4	513.3	3958.
#2	517.3	655.3	514.8	3977.
#3	518.6	653.7	515.3	3968.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2891.0	36135.	4816.8
Stddev	2.9	204.	19.9
%RSD	.09939	.56588	.41267
#1	2894.1	36310.	4831.5
#2	2890.6	36185.	4824.7
#3	2888.4	35910.	4794.2

Sample Name: 460-112289-F-3-A      Acquired: 4/19/2016 19:25:27      Type: Unk

Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>110.8</b>	<b>3.622</b>	<b>.4072</b>	<b>206.2</b>	<b>.0850</b>	<b>15760.</b>
Stddev	16.8	1.301	.0670	.4	.0431	41.
%RSD	15.18	35.93	16.46	.2132	50.71	.2594

#1	130.1	5.124	.3305	206.2	.0402	15720.
#2	99.09	2.900	.4543	205.7	.0886	15800.
#3	103.3	2.842	.4369	206.5	.1262	15750.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.4844</b>	<b>9.747</b>	<b>3.932</b>	<b>21.05</b>	<b>25500.</b>	<b>2290.</b>
Stddev	.0474	.201	.475	.21	17.	9.
%RSD	9.790	2.061	12.09	.9793	.0658	.3742

#1	-.4347	9.915	3.901	20.88	25520.	2284.
#2	-.4893	9.801	4.421	21.00	25490.	2300.
#3	-.5291	9.524	3.472	21.28	25490.	2287.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5882.</b>	<b>1483.</b>	<b>18250.</b>	<b>5.117</b>	<b>-.6408</b>	<b>.0741</b>
Stddev	35.	2.	129.	.283	1.170	2.689
%RSD	.5982	.1442	.7092	5.527	182.5	3630.

#1	5842.	1482.	18390.	5.443	.1289	-1.063
#2	5896.	1486.	18220.	4.940	-1.987	3.145
#3	5908.	1482.	18130.	4.967	-.0645	-1.860

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



Sample Name: 460-112289-F-3-A      Acquired: 4/19/2016 19:25:27      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.735</b>	<b>.3077</b>	<b>-1.888</b>	<b>7.135</b>	<b>17.08</b>	<b>.4977</b>
Stddev	2.778	1.134	.385	.360	.23	.1769
%RSD	58.66	368.7	20.38	5.050	1.357	35.54
#1	7.424	1.064	-2.309	7.548	16.98	.7019
#2	4.905	-.9967	-1.801	6.973	16.91	.3992
#3	1.876	.8560	-1.555	6.885	17.34	.3920

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.3522</b>	<b>173.6</b>	<b>1.179</b>	<b>4472.</b>
Stddev	.8110	.4	.044	103.
%RSD	230.3	.2068	3.747	2.296
#1	-.4666	174.0	1.228	4458.
#2	1.155	173.3	1.141	4378.
#3	.3678	173.5	1.169	4581.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2941.0</b>	<b>36507.</b>	<b>4906.2</b>
Stddev	19.2	152.	94.7
%RSD	.65143	.41619	1.9299
#1	2925.2	36442.	4851.3
#2	2962.3	36399.	4851.8
#3	2935.6	36681.	5015.6

Sample Name: 460-112289-F-5-A      Acquired: 4/19/2016 19:33:56      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>36.34</b>	<b>-1.069</b>	<b>.0585</b>	<b>132.8</b>	<b>.0374</b>	<b>13360.</b>
Stddev	26.73	2.130	.1196	.3	.0338	24.
%RSD	73.56	199.3	204.5	.2013	90.49	.1789

#1	63.34	1.278	.1732	133.0	.0302	13350.
#2	35.77	-1.606	.0679	132.5	.0743	13350.
#3	9.894	-2.879	-.0656	133.0	.0077	13390.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.1091</b>	<b>4.360</b>	<b>.6750</b>	<b>.9806</b>	<b>8296.</b>	<b>3221.</b>
Stddev	.0847	.103	.4646	.3893	42.	31.
%RSD	77.66	2.372	68.83	39.71	.5078	.9481

#1	-.0238	4.240	.9388	.5551	8272.	3195.
#2	-.1932	4.412	.9478	1.319	8344.	3215.
#3	-.1102	4.426	.1385	1.067	8271.	3255.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6385.</b>	<b>1092.</b>	<b>22300.</b>	<b>1.725</b>	<b>-1.208</b>	<b>.6792</b>
Stddev	11.	1.	135.	.583	1.658	1.273
%RSD	.1741	.1215	.6059	33.82	137.2	187.4

#1	6385.	1091.	22430.	1.051	-2.564	.4494
#2	6374.	1091.	22160.	2.042	-1.701	2.051
#3	6396.	1093.	22290.	2.080	.6397	-.4631

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

Sample Name: 460-112289-F-5-A      Acquired: 4/19/2016 19:33:56      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.626</b>	<b>-.1761</b>	<b>-.3750</b>	<b>23.93</b>	<b>26.36</b>	<b>.0737</b>
Stddev	2.935	.1750	.1505	.08	.49	.0975
%RSD	180.6	99.38	40.13	.3526	1.855	132.2
#1	4.173	-.3567	-.4811	24.02	26.58	.0148
#2	2.289	-.1643	-.4412	23.87	25.79	.1862
#3	-1.584	-.0073	-.2028	23.88	26.69	.0202

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.3731</b>	<b>143.5</b>	<b>.9148</b>	<b>4076.</b>
Stddev	.4592	.3	.0369	38.
%RSD	123.1	.1875	4.038	.9387
#1	-.7494	143.8	.9553	4039.
#2	-.5083	143.3	.9062	4073.
#3	.1385	143.5	.8830	4115.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2986.8</b>	<b>37292.</b>	<b>5021.3</b>
Stddev	10.3	49.	31.4
%RSD	.34364	.13226	.62607
#1	2979.7	37348.	4985.3
#2	2998.6	37270.	5043.3
#3	2982.2	37257.	5035.2

Sample Name: 460-112289-E-7-A      Acquired: 4/19/2016 19:42:30      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>56.31</b>	<b>5.138</b>	<b>.1884</b>	<b>208.5</b>	<b>.0096</b>	<b>21880.</b>
Stddev	14.31	1.162	.5131	.5	.1307	126.
%RSD	25.40	22.62	272.3	.2590	1355.	.5735

#1	46.27	5.256	.7503	208.3	.1040	21740.
#2	72.69	6.236	-.2550	209.0	.0644	21970.
#3	49.98	3.921	.0698	208.0	-.1395	21930.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.4572</b>	<b>2.255</b>	<b>1.929</b>	<b>-.3219</b>	<b>28420.</b>	<b>1869.</b>
Stddev	.1588	.204	.247	.0991	13.	10.
%RSD	34.72	9.034	12.79	30.79	.0445	.5171

#1	-.3577	2.430	2.205	-.4335	28410.	1871.
#2	-.6403	2.304	1.729	-.2879	28430.	1858.
#3	-.3736	2.031	1.854	-.2442	28420.	1877.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>13170.</b>	<b>605.8</b>	<b>23150.</b>	<b>5.218</b>	<b>.2336</b>	<b>.8910</b>
Stddev	47.	1.5	62.	.531	1.114	.7607
%RSD	.3586	.2550	.2684	10.19	476.7	85.38

#1	13120.	604.0	23190.	4.857	.3135	1.432
#2	13180.	606.6	23080.	5.828	1.305	.0211
#3	13210.	606.7	23180.	4.968	-.9178	1.220

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

Sample Name: 460-112289-E-7-A      Acquired: 4/19/2016 19:42:30      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.106</b>	<b>.3403</b>	<b>-1.997</b>	<b>3.439</b>	<b>17.70</b>	<b>.6452</b>
Stddev	1.423	1.487	.198	.161	.47	.2473
%RSD	67.56	436.9	9.902	4.688	2.643	38.33
#1	2.518	-.0731	-2.225	3.423	17.25	.4540
#2	.5228	1.990	-1.866	3.286	18.19	.5571
#3	3.277	-.8958	-1.902	3.608	17.65	.9245

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.1602</b>	<b>302.4</b>	<b>.8236</b>	<b>4788.</b>
Stddev	.6344	1.4	.0561	31.
%RSD	395.9	.4635	6.812	.6457
#1	-.0775	303.5	.7756	4824.
#2	.4287	300.8	.8853	4770.
#3	-.8319	302.9	.8098	4770.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2929.0</b>	<b>36481.</b>	<b>4919.2</b>
Stddev	8.1	215.	12.7
%RSD	.27726	.58856	.25870
#1	2919.8	36720.	4919.7
#2	2934.9	36305.	4906.3
#3	2932.4	36419.	4931.7

Sample Name: CCV      Acquired: 4/19/2016 19:46:45      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123900.	2433.	1216.	10000.	1007.	125000.
Stddev	461.	7.	4.	14.	3.	230.
%RSD	.3719	.2701	.3155	.1407	.3397	.1838

#1	124100.	2431.	1218.	10010.	1009.	124800.
#2	124300.	2440.	1218.	10020.	1009.	125200.
#3	123400.	2427.	1211.	9990.	1003.	125000.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1246.	2513.	4963.	12390.	101600.	50240.
Stddev	.	1.	10.	25.	200.	136.
%RSD	.0355	.0291	.1930	.2000	.1966	.2707

#1	1246.	2513.	4954.	12400.	101400.	50260.
#2	1246.	2512.	4973.	12410.	101500.	50370.
#3	1246.	2513.	4962.	12370.	101800.	50100.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122800.	5064.	125700.	2498.	7481.	983.8
Stddev	216.	8.	419.	4.	12.	3.5
%RSD	.1755	.1508	.3334	.1606	.1593	.3589

#1	122700.	5058.	125800.	2498.	7489.	987.9
#2	123100.	5072.	126100.	2502.	7487.	982.0
#3	122700.	5061.	125200.	2494.	7468.	981.7

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

Sample Name: CCV      Acquired: 4/19/2016 19:46:45      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2426.	2547.	2507.	2561.	986.0	2488.
Stddev	8.	8.	1.	2.	1.7	2.
%RSD	.3185	.2983	.0595	.0883	.1684	.0826

#1	2420.	2549.	2508.	2558.	987.3	2489.
#2	2435.	2554.	2508.	2563.	986.6	2489.
#3	2422.	2539.	2506.	2561.	984.1	2486.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	999.7	5044.	10110.	9710.
Stddev	2.5	10.	101.	3.
%RSD	.2500	.1937	.9995	.0278

#1	1002.	5050.	9994.	9713.
#2	999.9	5050.	10160.	9707.
#3	997.1	5033.	10180.	9711.

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	2772.8	34801.	4757.3
Stddev	13.5	39.	31.0
%RSD	.48734	.11330	.65097

#1	2763.6	34798.	4760.1
#2	2766.4	34763.	4725.0
#3	2788.3	34842.	4786.7

Sample Name: CCVL      Acquired: 4/19/2016 19:55:03      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>207.1</b>	<b>14.12</b>	<b>9.777</b>	<b>207.6</b>	<b>2.132</b>	<b>5115.</b>
Stddev	14.4	1.45	.261	.3	.059	16.
%RSD	6.965	10.30	2.667	.1406	2.787	.3118
#1	205.3	12.65	9.574	207.9	2.189	5104.
#2	193.6	15.56	9.686	207.4	2.071	5108.
#3	222.3	14.14	10.07	207.4	2.136	5134.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.325</b>	<b>53.81</b>	<b>10.48</b>	<b>24.95</b>	<b>160.6</b>	<b>4977.</b>
Stddev	.020	.37	.71	.19	7.2	13.
%RSD	.4613	.6850	6.764	.7559	4.500	.2641
#1	4.303	54.02	9.750	25.16	167.4	4976.
#2	4.342	53.38	10.53	24.87	153.0	4990.
#3	4.329	54.02	11.17	24.81	161.2	4963.

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	<b>4809.</b>	<b>15.97</b>	<b>4962.</b>	<b>42.89</b>	<b>10.08</b>	<b>18.47</b>
Stddev	9.	.17	28.	.25	2.98	.86
%RSD	.1954	1.076	.5724	.5776	29.54	4.681
#1	4799.	15.79	4994.	42.89	6.975	17.49
#2	4817.	15.99	4954.	43.14	10.36	19.13
#3	4811.	16.13	4939.	42.65	12.91	18.80

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



Sample Name: CCVL      Acquired: 4/19/2016 19:55:03      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.17	22.00	51.42	32.70	48.86	20.13
Stddev	2.88	2.25	.59	.22	.07	.19
%RSD	14.28	10.21	1.143	.6712	.1517	.9624
#1	22.65	24.59	50.75	32.45	48.82	20.24
#2	17.01	20.71	51.80	32.80	48.81	20.24
#3	20.83	20.69	51.73	32.85	48.94	19.91

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	50.50	20.94	21.21	F 25.26
Stddev	.94	.02	.33	2.83
%RSD	1.855	.1115	1.554	11.22
#1	51.35	20.93	20.94	23.47
#2	49.50	20.92	21.11	28.52
#3	50.66	20.96	21.58	23.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3017.7	37132.	4869.2
Stddev	1.9	205.	32.0
%RSD	.06361	.55217	.65803
#1	3019.1	37367.	4903.8
#2	3018.6	36988.	4863.1
#3	3015.5	37041.	4840.6

Sample Name: 460-112289-E-8-A      Acquired: 4/19/2016 19:59:18      Type: Unk

Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>18.58</b>	<b>.3059</b>	<b>.4951</b>	<b>170.6</b>	<b>.0036</b>	<b>10020.</b>
Stddev	17.65	.8238	.1468	.8	.0487	51.
%RSD	94.97	269.3	29.65	.4972	1340.	.5069
#1	1.329	.4552	.6236	170.6	-.0062	10050.
#2	17.82	1.045	.3352	171.5	-.0394	10050.
#3	36.60	-.5823	.5264	169.8	.0564	9962.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.036</b>	<b>1.683</b>	<b>3.135</b>	<b>-.4513</b>	<b>47450.</b>	<b>2303.</b>
Stddev	.114	.148	.184	.2778	196.	13.
%RSD	11.01	8.821	5.882	61.56	.4123	.5484
#1	-1.155	1.557	3.212	-.1554	47650.	2318.
#2	-1.025	1.847	3.268	-.4919	47450.	2297.
#3	-.9274	1.647	2.924	-.7065	47250.	2295.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4980.</b>	<b>1856.</b>	<b>16980.</b>	<b>3.855</b>	<b>.5801</b>	<b>-1.314</b>
Stddev	10.	4.	137.	.361	1.182	.243
%RSD	.1922	.1917	.8086	9.359	203.8	18.51
#1	4978.	1858.	17140.	3.680	-.7797	-1.053
#2	4971.	1857.	16920.	4.270	1.159	-1.535
#3	4990.	1852.	16890.	3.614	1.361	-1.354

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

Sample Name: 460-112289-E-8-A      Acquired: 4/19/2016 19:59:18      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5.291</b>	<b>.4376</b>	<b>-4.031</b>	<b>6.862</b>	<b>25.59</b>	<b>.8324</b>
Stddev	3.028	1.443	.218	.201	.20	.0559
%RSD	57.23	329.8	5.394	2.922	.7952	6.719
#1	3.012	.7199	-4.066	6.888	25.60	.8943
#2	8.728	1.719	-4.229	7.048	25.78	.8173
#3	4.134	-1.126	-3.799	6.650	25.38	.7856

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.2095</b>	<b>117.2</b>	<b>.5372</b>	<b>4986.</b>
Stddev	1.254	.4	.0199	54.
%RSD	598.5	.3276	3.709	1.078
#1	-1.181	117.6	.5163	4955.
#2	1.254	116.8	.5393	4955.
#3	.5558	117.3	.5560	5048.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2984.0</b>	<b>36824.</b>	<b>4831.4</b>
Stddev	17.8	284.	93.1
%RSD	.59620	.77069	1.9262
#1	2972.1	36544.	4773.2
#2	2975.4	36816.	4782.2
#3	3004.4	37112.	4938.7

Sample Name: 460-112283-A-1-A DU      Acquired: 4/19/2016 20:07:50      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>48.78</b>	<b>-1.972</b>	<b>.5387</b>	<b>69.88</b>	<b>.0564</b>	<b>13750.</b>
Stddev	18.45	1.172	.1589	.09	.0638	49.
%RSD	37.83	594.5	29.49	.1219	113.2	.3560
#1	63.27	-1.541	.5097	69.95	.1298	13800.
#2	28.01	.3328	.7100	69.79	.0253	13730.
#3	55.07	.6166	.3963	69.91	.0141	13710.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0767</b>	<b>-.3242</b>	<b>.3423</b>	<b>.6295</b>	<b>2191.</b>	<b>2075.</b>
Stddev	.0970	.3003	.1449	.2008	17.	33.
%RSD	126.5	92.63	42.34	31.89	.7918	1.601
#1	-.0193	-.5371	.5056	.4193	2172.	2064.
#2	.0748	.0193	.2928	.8193	2205.	2049.
#3	.1746	-.4546	.2287	.6501	2198.	2112.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2952.</b>	<b>146.8</b>	<b>9384.</b>	<b>3.212</b>	<b>.1528</b>	<b>-.9262</b>
Stddev	13.	.6	26.	.358	1.146	.8144
%RSD	.4272	.3880	.2728	11.14	750.1	87.93
#1	2946.	146.2	9403.	3.062	.3559	-.0720
#2	2966.	147.3	9355.	2.953	-1.081	-1.013
#3	2943.	146.8	9395.	3.620	1.184	-1.694

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

Sample Name: 460-112283-A-1-A DU      Acquired: 4/19/2016 20:07:50      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.5174</b>	<b>.7454</b>	<b>.0468</b>	<b>18.80</b>	<b>42.59</b>	<b>-.2484</b>
Stddev	1.488	2.134	.2380	.20	.48	.0588
%RSD	287.6	286.3	508.1	1.048	1.130	23.68
#1	.2865	-1.300	.2426	18.67	42.23	-.2960
#2	2.107	2.958	.1159	18.70	42.41	-.2665
#3	-.8416	.5782	-.2180	19.03	43.14	-.1826

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.2749</b>	<b>142.2</b>	<b>.8486</b>	<b>10740.</b>
Stddev	.3540	.5	.2517	116.
%RSD	128.8	.3170	29.66	1.076
#1	-.6795	142.3	.5910	10620.
#2	-.0225	141.7	.8607	10850.
#3	-.1227	142.6	1.094	10730.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2974.2</b>	<b>36793.</b>	<b>4842.6</b>
Stddev	16.2	215.	72.5
%RSD	.54352	.58308	1.4968
#1	2961.3	36548.	4761.9
#2	2969.0	36890.	4902.2
#3	2992.4	36943.	4863.7

Sample Name: sd 460-112283-H-1-A      Acquired: 4/19/2016 20:16:20      Type: Unk

Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-6.084</b>	<b>1.408</b>	<b>-.0525</b>	<b>13.25</b>	<b>-.0471</b>	<b>2694.</b>
Stddev	3.789	.764	.1990	.07	.0692	9.
%RSD	62.29	54.29	379.2	.5646	147.0	.3440
#1	-10.46	2.233	-.1165	13.18	.0298	2690.
#2	-3.863	.7244	-.2116	13.24	-.0667	2705.
#3	-3.930	1.266	.1707	13.33	-.1043	2688.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.2327</b>	<b>-.0461</b>	<b>-.1191</b>	<b>.3456</b>	<b>414.3</b>	<b>432.3</b>
Stddev	.1635	.1033	.2296	.1369	8.9	26.4
%RSD	70.30	224.2	192.9	39.60	2.153	6.105
#1	.3685	-.0156	.1456	.4626	404.0	457.4
#2	.2784	.0386	-.2373	.1951	419.2	404.8
#3	.0511	-.1612	-.2655	.3792	419.6	434.7

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>550.9</b>	<b>28.33</b>	<b>1848.</b>	<b>.4994</b>	<b>-.2615</b>	<b>-.0889</b>
Stddev	2.2	.10	4.	.4382	.3640	.8500
%RSD	.4050	.3644	.2231	87.75	139.2	956.6
#1	552.9	28.28	1851.	.4333	-.6610	-.1265
#2	551.3	28.27	1850.	.9668	.0515	-.9194
#3	548.5	28.45	1843.	.0979	-.1750	.7793

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

Sample Name: sd 460-112283-H-1-A      Acquired: 4/19/2016 20:16:20      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.056</b>	<b>-.3020</b>	<b>-.0458</b>	<b>4.292</b>	<b>7.047</b>	<b>-.1966</b>
Stddev	1.161	.8927	.2579	.074	.080	.2162
%RSD	110.0	295.6	563.3	1.729	1.138	110.0
#1	.3658	-.1894	.2455	4.244	6.987	-.1593
#2	2.397	.5290	-.1378	4.377	7.138	-.0015
#3	.4057	-1.246	-.2451	4.255	7.015	-.4290

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.1309</b>	<b>27.71</b>	<b>.2514</b>	<b>2062.</b>
Stddev	1.214	.15	.0249	2.
%RSD	927.4	.5251	9.909	.1192
#1	-1.095	27.71	.2267	2063.
#2	-.5298	27.86	.2765	2064.
#3	1.232	27.57	.2511	2059.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3000.8</b>	<b>36852.</b>	<b>4775.2</b>
Stddev	7.4	114.	14.2
%RSD	.24765	.31026	.29655
#1	3007.2	36939.	4765.8
#2	3002.5	36722.	4768.4
#3	2992.6	36893.	4791.5

Sample Name: 460-112283-H-1-B MS      Acquired: 4/19/2016 20:20:40      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2104.</b>	<b>1914.</b>	<b>48.13</b>	<b>2099.</b>	<b>53.20</b>	<b>33510.</b>
Stddev	6.	12.	.89	6.	.53	118.
%RSD	.3034	.6472	1.844	.2827	.9871	.3516
#1	2099.	1900.	47.28	2093.	53.67	33540.
#2	2111.	1922.	48.06	2098.	53.28	33380.
#3	2102.	1921.	49.05	2105.	52.63	33610.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>51.52</b>	<b>520.4</b>	<b>208.7</b>	<b>248.9</b>	<b>3228.</b>	<b>20740.</b>
Stddev	.04	1.6	1.1	1.6	33.	94.
%RSD	.0803	.3029	.5326	.6326	1.023	.4529
#1	51.55	518.8	207.5	247.4	3197.	20780.
#2	51.47	520.5	208.7	248.8	3263.	20810.
#3	51.53	521.9	209.7	250.5	3223.	20640.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>21860.</b>	<b>659.4</b>	<b>29460.</b>	<b>524.7</b>	<b>513.5</b>	<b>484.9</b>
Stddev	66.	1.0	7.	2.1	2.0	.4
%RSD	.3017	.1459	.0222	.4068	.3803	.0923
#1	21810.	659.6	29460.	523.1	511.5	484.9
#2	21830.	658.4	29460.	524.0	513.4	485.4
#3	21930.	660.2	29450.	527.2	515.5	484.5

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



Sample Name: 460-112283-H-1-B MS      Acquired: 4/19/2016 20:20:40      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1944.	2211.	516.3	553.4	547.5	505.5
Stddev	18.	17.	1.1	.7	3.5	1.9
%RSD	.9378	.7718	.2204	.1176	.6363	.3723
#1	1923.	2193.	516.8	554.0	543.5	503.5
#2	1957.	2211.	515.0	552.7	549.7	505.6
#3	1952.	2227.	517.2	553.3	549.3	507.3

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	521.7	653.8	520.5	11140.
Stddev	1.3	1.9	.6	133.
%RSD	.2418	.2846	.1096	1.192
#1	520.3	653.8	520.9	11030.
#2	522.8	655.7	519.9	11290.
#3	521.9	651.9	520.8	11100.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2933.2	36556.	4835.5
Stddev	8.9	333.	76.1
%RSD	.30367	.90997	1.5747
#1	2928.4	36188.	4752.0
#2	2943.4	36836.	4901.1
#3	2927.6	36644.	4853.4

Sample Name: 460-112283-H-2-A      Acquired: 4/19/2016 20:28:34      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>107.6</b>	<b>.4605</b>	<b>-.1124</b>	<b>56.85</b>	<b>.8308</b>	<b>5592.</b>
Stddev	8.0	1.326	.1513	.31	.0455	9.
%RSD	7.429	287.9	134.6	.5489	5.475	.1628
#1	99.31	-.0471	-.0215	56.57	.8065	5588.
#2	115.3	-.5366	-.2871	57.18	.8026	5602.
#3	108.3	1.965	-.0286	56.79	.8833	5585.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.2342</b>	<b>2.373</b>	<b>2.160</b>	<b>.8234</b>	<b>2.501</b>	<b>1981.</b>
Stddev	.0378	.096	.678	.0800	2.474	16.
%RSD	16.15	4.027	31.40	9.715	98.92	.8045
#1	.2777	2.474	1.787	.7373	4.446	1998.
#2	.2091	2.284	1.751	.8954	3.341	1977.
#3	.2158	2.362	2.944	.8374	-.2835	1967.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>7045.</b>	<b>1124.</b>	<b>15380.</b>	<b>2.841</b>	<b>-.5482</b>	<b>-.6487</b>
Stddev	37.	2.	79.	.378	1.029	.6502
%RSD	.5198	.1405	.5117	13.31	187.7	100.2
#1	7007.	1125.	15470.	2.689	-1.427	-.0054
#2	7047.	1122.	15340.	3.272	-.8008	-.6351
#3	7081.	1124.	15340.	2.563	.5833	-1.306

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

Sample Name: 460-112283-H-2-A      Acquired: 4/19/2016 20:28:34      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.262</b>	<b>1.112</b>	<b>-1.168</b>	<b>9.757</b>	<b>127.9</b>	<b>.0463</b>
Stddev	2.351	1.583	.2899	.249	.8	.1110
%RSD	72.07	142.3	248.3	2.553	.5990	240.0
#1	4.444	-.6011	.0758	9.966	127.4	.0905
#2	.5547	2.520	-.4502	9.825	128.8	-.0801
#3	4.788	1.418	.0241	9.481	127.5	.1284

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.3176</b>	<b>34.61</b>	<b>.3487</b>	<b>4661.</b>
Stddev	.4997	.14	.1494	80.
%RSD	157.3	.4189	42.84	1.721
#1	-.0105	34.64	.2255	4569.
#2	.0706	34.73	.5148	4698.
#3	.8927	34.45	.3057	4716.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2998.3</b>	<b>37387.</b>	<b>4960.4</b>
Stddev	11.1	141.	83.3
%RSD	.36880	.37702	1.6785
#1	2999.3	37309.	4864.4
#2	2986.8	37549.	5013.8
#3	3008.8	37302.	5002.9

Sample Name: 460-112283-H-3-A      Acquired: 4/19/2016 20:32:51      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>65.27</b>	<b>-1.933</b>	<b>-.0783</b>	<b>119.5</b>	<b>.1453</b>	<b>16150.</b>
Stddev	3.77	.758	.6030	.4	.0582	87.
%RSD	5.775	39.20	770.6	.3079	40.09	.5395
#1	67.48	-1.070	.1947	119.4	.0912	16250.
#2	67.40	-2.489	.3400	119.2	.1377	16110.
#3	60.91	-2.240	-.7695	119.9	.2070	16090.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.2347</b>	<b>.4199</b>	<b>.3323</b>	<b>.9797</b>	<b>1566.</b>	<b>8071.</b>
Stddev	.0455	.1359	.2447	.1112	22.	20.
%RSD	19.40	32.37	73.64	11.35	1.398	.2477
#1	.2440	.3081	.4023	.9169	1570.	8085.
#2	.2749	.3804	.5344	.9142	1542.	8048.
#3	.1853	.5712	.0602	1.108	1585.	8079.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>8080.</b>	<b>138.8</b>	<b>10660.</b>	<b>1.529</b>	<b>.2821</b>	<b>-.6839</b>
Stddev	20.	.5	90.	.482	1.167	.9370
%RSD	.2533	.3849	.8410	31.53	413.8	137.0
#1	8100.	139.1	10770.	1.977	1.617	-.4331
#2	8059.	138.2	10610.	1.019	-.5480	.1021
#3	8081.	139.1	10620.	1.591	-.2224	-1.721

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

Sample Name: 460-112283-H-3-A      Acquired: 4/19/2016 20:32:51      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.913</b>	<b>-1.778</b>	<b>.0060</b>	<b>25.15</b>	<b>71.15</b>	<b>-.0365</b>
Stddev	1.816	.946	.3236	.28	.48	.0671
%RSD	94.93	53.20	5358.	1.111	.6791	183.9
#1	2.131	-2.005	.0372	25.36	71.62	-.1138
#2	3.609	-.7393	.3129	24.83	71.18	-.0026
#3	-.0025	-2.590	-.3320	25.26	70.66	.0069

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.4924</b>	<b>240.7</b>	<b>.9101</b>	<b>7194.</b>
Stddev	.7256	1.8	.1982	105.
%RSD	147.4	.7512	21.78	1.465
#1	-1.019	242.7	.9340	7081.
#2	-.7936	239.3	1.095	7214.
#3	.3353	240.0	.7010	7289.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2951.2</b>	<b>36766.</b>	<b>4902.5</b>
Stddev	13.5	374.	57.8
%RSD	.45850	1.0170	1.1783
#1	2935.6	36342.	4835.9
#2	2959.5	36907.	4931.5
#3	2958.5	37049.	4940.0

Sample Name: 460-112283-H-5-A      Acquired: 4/19/2016 20:37:07      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>149.0</b>	<b>.5270</b>	<b>.1617</b>	<b>237.9</b>	<b>.0415</b>	<b>48970.</b>
Stddev	10.7	.4093	.1903	.9	.0497	66.
%RSD	7.175	77.67	117.7	.3987	119.8	.1344

#1	155.0	.7597	.3760	236.9	.0015	48950.
#2	155.3	.0544	.0970	238.0	.0259	49040.
#3	136.7	.7668	.0122	238.8	.0972	48920.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1219</b>	<b>.7983</b>	<b>85.59</b>	<b>.5773</b>	<b>2.881</b>	<b>5800.</b>
Stddev	.0953	.2838	.90	.1186	3.006	38.
%RSD	78.15	35.55	1.046	20.54	104.3	.6500

#1	.1866	1.113	84.56	.7116	5.382	5756.
#2	.0125	.5630	86.09	.4872	3.714	5817.
#3	.1666	.7184	86.14	.5330	-.4538	5825.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6214.</b>	<b>175.9</b>	<b>31790.</b>	<b>1.094</b>	<b>-.7624</b>	<b>-.5191</b>
Stddev	25.	.5	227.	.156	.4484	1.581
%RSD	.3966	.2754	.7151	14.30	58.81	304.6

#1	6187.	175.4	31970.	1.088	-1.262	-2.287
#2	6222.	176.0	31870.	1.254	-.3947	.7604
#3	6235.	176.3	31530.	.9409	-.6307	-.0305

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

Sample Name: 460-112283-H-5-A      Acquired: 4/19/2016 20:37:07      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.8381</b>	<b>-1.815</b>	<b>.4396</b>	<b>6.896</b>	<b>99.67</b>	<b>.2086</b>
Stddev	1.284	.702	.2374	.135	.69	.1909
%RSD	153.2	38.66	53.99	1.959	.6921	91.51
#1	<b>-.2140</b>	<b>-1.278</b>	<b>.3623</b>	<b>7.051</b>	<b>99.76</b>	<b>.3397</b>
#2	<b>2.269</b>	<b>-1.558</b>	<b>.2506</b>	<b>6.805</b>	<b>100.3</b>	<b>-.0104</b>
#3	<b>.4598</b>	<b>-2.609</b>	<b>.7060</b>	<b>6.832</b>	<b>98.94</b>	<b>.2965</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.2392</b>	<b>470.6</b>	<b>1.431</b>	<b>6141.</b>
Stddev	.5837	3.2	.154	12.
%RSD	244.0	.6776	10.77	.1898
#1	<b>.0579</b>	<b>472.7</b>	<b>1.357</b>	<b>6131.</b>
#2	<b>-.2323</b>	<b>472.2</b>	<b>1.609</b>	<b>6154.</b>
#3	<b>.8921</b>	<b>466.9</b>	<b>1.329</b>	<b>6137.</b>

Check ?	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>	<b>Chk Pass</b>
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2902.6</b>	<b>36226.</b>	<b>4792.7</b>
Stddev	7.4	60.	14.9
%RSD	.25590	.16487	.31011
#1	<b>2894.5</b>	<b>36166.</b>	<b>4776.3</b>
#2	<b>2909.1</b>	<b>36226.</b>	<b>4796.5</b>
#3	<b>2904.2</b>	<b>36285.</b>	<b>4805.3</b>

Sample Name: CCB      Acquired: 4/19/2016 20:45:24      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.775	.8721	.6033	.1632	.0209	3.278
Stddev	9.280	.4400	.6238	.2396	.0449	.704
%RSD	119.4	50.46	103.4	146.8	214.2	21.47

#1	-17.79	.5271	.5631	-.0098	-.0302	2.804
#2	-6.081	.7215	.0006	.4367	.0392	2.944
#3	.5411	1.368	1.246	.0628	.0538	4.087

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0211	.0454	.2388	.2825	2.276	61.44
Stddev	.1180	.1073	.3945	.1520	3.644	6.54
%RSD	558.4	236.6	165.2	53.81	160.1	10.65

#1	-.1073	-.0177	.1436	.4253	2.879	60.76
#2	.1249	-.0155	-.0994	.1228	5.581	68.29
#3	.0458	.1693	.6721	.2993	-1.631	55.26

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-15.54	-.0087	16.46	.1746	.1981	-.5717
Stddev	4.30	.0251	2.03	.5818	2.573	.7602
%RSD	27.71	286.8	12.33	333.1	1299.	133.0

#1	-17.14	.0170	16.04	.5305	.9762	-1.375
#2	-10.66	-.0100	18.67	.4902	-2.674	-4.774
#3	-18.81	-.0331	14.68	-.4967	2.292	.1370

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



Sample Name: CCB      Acquired: 4/19/2016 20:45:24      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.114</b>	<b>-1.583</b>	<b>.1285</b>	<b>.1482</b>	<b>.4347</b>	<b>.8136</b>
Stddev	1.083	1.599	.0883	.1244	.2132	.2547
%RSD	97.21	101.0	68.76	83.94	49.04	31.31
#1	2.360	-3.343	.1834	.0118	.6615	1.087
#2	.3988	-1.187	.0266	.2553	.4042	.7700
#3	.5835	-.2201	.1754	.1773	.2384	.5834

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.1558</b>	<b>.1510</b>	<b>.4444</b>	<b>13.04</b>
Stddev	.5436	.0614	.1726	2.32
%RSD	348.9	40.68	38.84	17.78
#1	-.6030	.1739	.2492	15.30
#2	-.3137	.1976	.5069	13.15
#3	.4493	.0814	.5770	10.66

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	<b>2973.0</b>	<b>36895.</b>	<b>4849.5</b>
Stddev	11.5	266.	20.5
%RSD	.38655	.71993	.42247
#1	2985.7	37184.	4855.9
#2	2963.3	36841.	4866.0
#3	2970.1	36661.	4826.6

Sample Name: 460-112283-H-6-A      Acquired: 4/19/2016 20:54:00      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>278.9</b>	<b>3.370</b>	<b>-.0116</b>	<b>98.40</b>	<b>.0340</b>	<b>75940.</b>
Stddev	12.4	1.186	.1899	.34	.0989	692.
%RSD	4.431	35.17	1643.	.3434	290.5	.9108
#1	276.2	4.687	.2077	98.03	.0271	76640.
#2	292.4	2.386	-.1260	98.69	.1362	75930.
#3	268.2	3.038	-.1164	98.47	-.0612	75260.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.2017</b>	<b>.0623</b>	<b>6.479</b>	<b>.9798</b>	<b>30.09</b>	<b>11070.</b>
Stddev	.1248	.1509	.491	.0937	15.05	7.
%RSD	61.90	242.0	7.583	9.564	50.00	.0610
#1	.2335	-.0673	6.793	1.084	25.72	11060.
#2	.3076	.0264	6.731	.9013	46.83	11070.
#3	.0640	.2279	5.913	.9545	17.71	11070.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>16170.</b>	<b>54.33</b>	<b>48360.</b>	<b>.8692</b>	<b>-.6080</b>	<b>-1.062</b>
Stddev	103.	.23	209.	.5653	1.886	.089
%RSD	.6386	.4250	.4327	65.03	310.2	8.398
#1	16270.	54.14	48590.	1.505	.3132	-.9828
#2	16180.	54.59	48180.	.4245	-2.778	-1.045
#3	16060.	54.26	48310.	.6778	.6405	-1.159

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

Sample Name: 460-112283-H-6-A      Acquired: 4/19/2016 20:54:00      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5.811</b>	<b>-3832</b>	<b>.4955</b>	<b>4.791</b>	<b>162.0</b>	<b>-.1332</b>
Stddev	1.619	1.506	.6517	.121	1.4	.0960
%RSD	27.87	393.1	131.5	2.515	.8732	72.09
#1	5.454	-1.808	.9158	4.752	160.4	-.1456
#2	7.579	1.193	-.2552	4.926	163.0	-.0316
#3	4.400	-.5349	.8260	4.694	162.7	-.2224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.0793</b>	<b>157.3</b>	<b>2.331</b>	<b>1951.</b>
Stddev	.3773	.3	.087	11.
%RSD	475.7	.2093	3.719	.5638
#1	.1924	156.9	2.267	1945.
#2	-.3416	157.5	2.297	1945.
#3	.3872	157.5	2.430	1964.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2969.1</b>	<b>36335.</b>	<b>4808.7</b>
Stddev	21.6	528.	108.9
%RSD	.72869	1.4532	2.2650
#1	2944.7	35758.	4738.9
#2	2985.7	36452.	4753.1
#3	2977.1	36794.	4934.2

Sample Name: 460-112283-H-8-A      Acquired: 4/19/2016 21:02:36      Type: Unk

Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>60.07</b>	<b>.6358</b>	<b>.5944</b>	<b>109.6</b>	<b>-.0392</b>	<b>20130.</b>
Stddev	10.00	1.503	.3086	.1	.0338	8.
%RSD	16.64	236.4	51.92	.1313	86.10	.0393

#1	70.31	2.357	.8895	109.6	-.0588	20140.
#2	59.54	-.4222	.2739	109.5	-.0002	20140.
#3	50.34	-.0271	.6199	109.8	-.0586	20120.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.2373</b>	<b>-.0949</b>	<b>.2928</b>	<b>.6912</b>	<b>10.33</b>	<b>2823.</b>
Stddev	.0478	.1050	.3398	.2448	5.12	32.
%RSD	20.14	110.7	116.1	35.42	49.58	1.138

#1	.2259	-.2089	.2518	.4271	4.481	2791.
#2	.2897	-.0023	-.0247	.9107	12.49	2856.
#3	.1962	-.0733	.6512	.7357	14.01	2822.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6356.</b>	<b>25.34</b>	<b>17810.</b>	<b>2.554</b>	<b>-1.269</b>	<b>-.5889</b>
Stddev	25.	.07	54.	.431	.610	2.984
%RSD	.3870	.2815	.3023	16.86	48.09	506.7

#1	6343.	25.26	17860.	2.061	-.6074	-.2759
#2	6384.	25.35	17820.	2.744	-1.389	-3.717
#3	6340.	25.40	17750.	2.857	-1.810	2.226

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

Sample Name: 460-112283-H-8-A      Acquired: 4/19/2016 21:02:36      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.069</b>	<b>-1.132</b>	<b>.1470</b>	<b>5.711</b>	<b>61.67</b>	<b>-.1389</b>
Stddev	1.339	.244	.1124	.362	.39	.1330
%RSD	125.3	21.58	76.49	6.337	.6296	95.75
#1	.8067	-1.253	.1358	5.913	61.24	-.2096
#2	2.520	-1.293	.0406	5.927	61.77	.0145
#3	-.1198	-.8509	.2646	5.293	62.00	-.2216

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.7828</b>	<b>251.5</b>	<b>.9176</b>	<b>8107.</b>
Stddev	.3526	1.5	.0031	20.
%RSD	45.04	.5815	.3412	.2469
#1	-.9306	253.1	.9206	8105.
#2	-.3803	251.1	.9178	8088.
#3	-1.037	250.2	.9143	8128.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2976.8</b>	<b>36641.</b>	<b>4768.8</b>
Stddev	9.5	71.	35.8
%RSD	.31890	.19320	.75123
#1	2972.8	36617.	4739.2
#2	2970.0	36585.	4758.7
#3	2987.7	36721.	4808.6

Sample Name: 460-112241-a-3-c@20      Acquired: 4/19/2016 21:11:10      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17900.	7.409	.8950	48.32	.5682	16080.
Stddev	7.	1.051	.3858	.14	.0644	98.
%RSD	.0395	14.18	43.11	.2840	11.33	.6076

#1	17910.	8.221	1.271	48.28	.5415	16000.
#2	17900.	6.222	.5004	48.21	.5216	16060.
#3	17900.	7.785	.9132	48.47	.6417	16190.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.062	30.79	23.97	153.0	64630.	168.8
Stddev	.119	.16	.98	.9	142.	21.6
%RSD	11.22	.5214	4.093	.5928	.2190	12.83

#1	-.9297	30.61	23.02	151.9	64610.	144.4
#2	-1.096	30.87	24.98	153.5	64500.	185.9
#3	-1.161	30.91	23.91	153.5	64780.	176.0

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13370.	911.5	1319.	39.36	5.801	-.8676
Stddev	51.	3.5	9.	.73	1.327	2.036
%RSD	.3797	.3828	.6477	1.864	22.87	234.6

#1	13330.	909.1	1309.	39.44	6.173	-2.193
#2	13360.	909.9	1325.	40.06	6.903	1.476
#3	13430.	915.5	1324.	38.59	4.328	-1.886

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

Sample Name: 460-112241-a-3-c@20      Acquired: 4/19/2016 21:11:10      Type: Unk  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.000</b>	<b>.0371</b>	<b>159.7</b>	<b>168.0</b>	<b>270.2</b>	<b>1.139</b>
Stddev	1.335	.8329	.9	1.1	1.5	.097
%RSD	66.76	2244.	.5437	.6567	.5613	8.517
#1	3.322	-.8999	158.7	167.1	271.2	1.171
#2	.6515	.3180	160.4	167.8	268.5	1.030
#3	2.027	.6933	160.0	169.3	271.1	1.216

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.663</b>	<b>46.83</b>	<b>2282.</b>	<b>215.0</b>
Stddev	.333	.17	2.	10.2
%RSD	20.03	.3688	.0862	4.722
#1	1.293	47.01	2281.	223.8
#2	1.759	46.81	2281.	203.9
#3	1.938	46.66	2284.	217.4

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>3071.4</b>	<b>37758.</b>	<b>5012.3</b>
Stddev	9.7	367.	82.2
%RSD	.31535	.97222	1.6397
#1	3081.0	38053.	5057.6
#2	3071.7	37874.	5061.8
#3	3061.6	37347.	4917.4

Sample Name: CCB      Acquired: 4/19/2016 21:19:24      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-21.02</b>	<b>1.187</b>	<b>.1962</b>	<b>.0710</b>	<b>.1551</b>	<b>13.53</b>
Stddev	5.64	1.204	.2123	.1456	.1840	4.36
%RSD	26.81	101.5	108.2	205.1	118.6	32.26

#1	-21.04	2.127	.2641	.1877	.0107	15.30
#2	-26.65	-.1701	.3664	-.0922	.0924	16.73
#3	-15.38	1.603	-.0417	.1174	.3623	8.555

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.2003</b>	<b>-.1130</b>	<b>.4255</b>	<b>.5992</b>	<b>-4.118</b>	<b>50.10</b>
Stddev	.1564	.2562	.2169	.1287	1.842	10.72
%RSD	78.07	226.7	50.98	21.47	44.73	21.40

#1	.0302	-.3829	.1911	.5053	-6.119	61.53
#2	.2329	-.0828	.4663	.5465	-3.739	48.50
#3	.3379	.1268	.6192	.7459	-2.495	40.27

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-15.12</b>	<b>.0632</b>	<b>25.71</b>	<b>.3881</b>	<b>-.1849</b>	<b>-.6318</b>
Stddev	2.17	.0267	16.04	.0194	1.971	.8401
%RSD	14.33	42.18	62.40	5.010	1066.	133.0

#1	-13.81	.0824	19.08	.4105	1.565	-1.579
#2	-13.92	.0328	14.05	.3754	.2004	.0237
#3	-17.62	.0744	44.01	.3785	-2.320	-.3403

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



Sample Name: CCB      Acquired: 4/19/2016 21:19:24      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.7048</b>	<b>.1062</b>	<b>-.0348</b>	<b>.1281</b>	<b>.3782</b>	<b>.9040</b>
Stddev	2.620	1.500	.1083	.1065	.4956	.2511
%RSD	371.8	1413.	311.5	83.17	131.0	27.77
#1	2.512	-1.459	.0518	.2326	.9471	1.182
#2	1.902	.2450	.0001	.1320	.1470	.8368
#3	-2.300	1.532	-.1562	.0196	.0404	.6934

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.2781</b>	<b>.5130</b>	<b>.4796</b>	<b>24.69</b>
Stddev	.7535	.6171	.1658	9.52
%RSD	270.9	120.3	34.57	38.57
#1	.4030	.1718	.2891	15.12
#2	-1.088	.1418	.5590	24.79
#3	-.1498	1.225	.5909	34.16

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	<b>3021.8</b>	<b>37136.</b>	<b>4740.2</b>
Stddev	27.3	336.	19.7
%RSD	.90383	.90414	.41606
#1	3000.4	36985.	4723.5
#2	3012.5	36903.	4735.2
#3	3052.6	37521.	4762.0

Sample Name: CCVL      Acquired: 4/19/2016 21:23:45      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>210.2</b>	<b>14.02</b>	<b>9.964</b>	<b>206.9</b>	<b>2.178</b>	<b>5083.</b>
Stddev	11.8	1.50	.193	.3	.098	17.
%RSD	5.591	10.70	1.941	.1344	4.494	.3296
#1	211.9	15.71	9.783	206.5	2.281	5068.
#2	197.7	13.47	10.17	207.1	2.086	5081.
#3	221.0	12.87	9.940	206.9	2.166	5101.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.409</b>	<b>53.77</b>	<b>10.39</b>	<b>25.15</b>	<b>159.4</b>	<b>5020.</b>
Stddev	.096	.48	.22	.43	6.3	41.
%RSD	2.181	.8899	2.114	1.729	3.936	.8193
#1	4.310	53.61	10.25	24.66	166.0	4972.
#2	4.502	53.39	10.28	25.49	158.5	5044.
#3	4.415	54.31	10.64	25.31	153.6	5043.

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	<b>4749.</b>	<b>16.01</b>	<b>4943.</b>	<b>42.98</b>	<b>9.902</b>	<b>20.35</b>
Stddev	27.	.04	30.	.44	1.161	1.04
%RSD	.5622	.2503	.6064	1.029	11.72	5.136
#1	4725.	15.96	4973.	42.70	11.24	19.35
#2	4746.	16.04	4913.	43.49	9.241	20.26
#3	4778.	16.02	4942.	42.75	9.224	21.43

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

Sample Name: CCVL      Acquired: 4/19/2016 21:23:45      Type: QC  
Method: sw04052016(v13)      Mode: CONC      Corr. Factor: 1.000000  
User: admin      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.59	23.29	51.25	32.78	48.91	20.19
Stddev	3.22	2.05	.34	.29	.90	.07
%RSD	19.40	8.822	.6557	.8753	1.848	.3635

#1	18.43	21.02	51.21	32.46	48.27	20.13
#2	18.47	23.82	50.93	32.89	48.52	20.27
#3	12.87	25.03	51.60	33.01	49.94	20.16

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	49.93	21.16	21.42	F 24.60
Stddev	1.97	.08	.16	1.80
%RSD	3.946	.3602	.7542	7.300

#1	48.08	21.25	21.29	24.56
#2	49.72	21.13	21.37	22.82
#3	52.00	21.10	21.61	26.42

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3006.2	37297.	4859.5
Stddev	13.5	41.	32.5
%RSD	.45040	.11030	.66874

#1	3021.8	37296.	4832.7
#2	2998.9	37339.	4895.6
#3	2997.9	37256.	4850.0

## METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-112127-1

SDG No.: \_\_\_\_\_

Batch Number: 362926 Batch Start Date: 04/16/16 15:00 Batch Analyst: Ongaro, Sarah ABatch Method: 1311 Batch End Date: 04/17/16 07:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EFD_InitialpH	EFD_AddHClpH>5	VesselNumber	FiltCompDate
LB 460-362926/1		1311, 3010A, 6010C		100 g	2000 mL	4.92 SU		EH3	4/17/16
460-112127-A-1	A5_COMP	1311, 3010A, 6010C	P	100.05 g	2000 mL	8.00 SU	1.64	EH4	4/17/16

Lab Sample ID	Client Sample ID	Method Chain	Basis	FiltCompTime	LeachatepH	ExtractFluid	AnalysisComment		
LB 460-362926/1		1311, 3010A, 6010C		700	4.92 SU	TF1041616	TCLP Fluid #1 prepped on 4/16/16; exp. 10/16/16; pH measured on 4/17/16		
460-112127-A-1	A5_COMP	1311, 3010A, 6010C	P	715	5.09 SU	TF1041616	TCLP Fluid #1 prepped on 4/16/16; exp. 10/16/16; pH measured on 4/17/16		

Batch Notes	
1N HCl ID	1N HCL TCLP 1543 exp. 9/3/16
Balance ID	13
Filter ID	Environmental Express/400116
pH Meter ID	D
TCLP Fluid 1 ID	TCLP Fluid #1 prepped on 4/16/16; exp. 10/16/16
TCLP Fluid 1 pH	4.92
Maximum Temperature	23.8 Degrees C
Minimum Temperature	21.5 Degrees C
Thermometer ID	Min/Max ID A
Tumbler Rotations per Minute	29

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

6010C

Page 1 of 1

## METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-112127-1

SDG No.: \_\_\_\_\_

Batch Number: 363007 Batch Start Date: 04/17/16 17:47 Batch Analyst: Esteban, Edgardo ABatch Method: 3010A Batch End Date: 04/17/16 21:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_TCLPspk 00031			
MB 460-363007/1		3010A, 6010C		50 mL	50 mL				
LCS 460-363007/2		3010A, 6010C		50 mL	50 mL	0.5 mL			
460-112146-A-1-A DU		3010A, 6010C	P	50 mL	50 mL				
460-112146-A-1-A MS		3010A, 6010C	P	50 mL	50 mL	0.5 mL			
460-112127-A-1-A	A5_COMP	3010A, 6010C	P	50 mL	50 mL				
LB 460-362926/1-A		3010A, 6010C		50 mL	50 mL				

Batch Notes	
Batch Comment	1:1 DHCL MPR 300
Lot # of Nitric Acid	0000129810
Hot Block ID	5
Oven, Bath or Block Temperature 1	97 uncorr, 95 corr Degrees C
Pipette ID	# 43
Thermometer ID	ICP -3 (CF-2)
Digestion Tube/Cup ID	J234091-6560 (100 ml Digi Tube )

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

6010C

# Shipping and Receiving Documents


# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

777 New Durham Road  
Edison, New Jersey 08817  
Phone: (732) 549-3900 Fax: (732) 549-3679

Name (for report and invoice) <u>Jon Hermann</u>		Samples Name (Printed) <u>EAR-SG</u>		Site/Project Identification <u>DEC-ELMONT 546 / Site # E130150</u>	
Company <u>EAR</u>		P. O. #		State (Location of site): NJ: <input type="checkbox"/> NY: <input checked="" type="checkbox"/> Other: <input type="checkbox"/>	
Address <u>205 Atlantic Ave</u>		Analysis Turnaround Time Standard <input type="checkbox"/> Rush Charges Authorized For: 1 Week <input type="checkbox"/> 2 Week <input type="checkbox"/> Other <input checked="" type="checkbox"/> <u>24-HR</u>		Regulatory Program: DKCP: <input type="checkbox"/>	
City <u>Atlantic</u>	State <u>NY</u>	ANALYSIS REQUESTED (ENTER % BELOW TO INDICATE REQUEST)			
Phone <u>631-447-6400</u>	Fax <u>631-447-6497</u>	LAB USE ONLY Project No: <u>112127</u>			
Sample Identification <u>AS Comp</u>	Date <u>4/14/16</u>	Time <u>1045</u>	Matrix <u>S</u>	No. of Cont. <u>1</u>	Job No. <u>112127</u>
 <p>460-112127 Chain of Custody</p>					
<p>Preservation Used: 1 = ICE, 2 = HCl, 3 = H<sub>2</sub>SO<sub>4</sub>, 4 = HNO<sub>3</sub>, 5 = NaOH 6 = Other <u>UNPRES</u>, 7 = Other _____</p> <p>Soil: <u>6</u> Water: _____</p>					

**1-Day  
RUSH**

### Special Instructions Caraway B Detonations

Water Metals Filtered (Yes/No)?

Relinquished by <u>[Signature]</u>	Company <u>EAR</u>	Date / Time <u>4/14/16 1150</u>	Received by <u>[Signature]</u>	Company <u>EAR</u>
Relinquished by <u>[Signature]</u>	Company <u>T.A.</u>	Date / Time <u>4/14/16 1420</u>	Received by <u>[Signature]</u>	Company <u>T.A.</u>
Relinquished by	Company	Date / Time	Received by	Company
Relinquished by	Company	Date / Time	Received by	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

TAL - 0016 (0715)

Massachusetts (M-NJ312), North Carolina (No. 578)

1.2/2.2 cc I.H.# 6 W.O.C.J.

11227

[illegible]

EDS-WI-038, Rev 4, 06/09/2014



## Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-112127-1

**Login Number: 112127**

**List Source: TestAmerica Edison**

**List Number: 1**

**Creator: Lysy, Susan**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
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	2.2°C IR#6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.