

ANALYTICAL REPORT

Job Number: 460-109448-1

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.
Melissa Haas
Project Manager I
5/19/2016 2:46 PM

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05/19/2016
Revision: 1

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Job Number: 460-109448-1

Job Description: DEC Elmont546; Site: E130150

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

A handwritten signature in black ink that reads "Melissa Haas". The signature is written in a cursive style with a horizontal line underneath.

Approved for release.
Melissa Haas
Project Manager I
5/19/2016 2:46 PM

Melissa Haas

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CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC Elmont546; Site: E130150

**Report Number: 460-109448-1
Revised Report #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.

REVISION #1

The following report required a revision: 460-109448-1. Details are as follows: The client requested that ICVs be reported for SVOC analysis.

RECEIPT

The sample was received on 2/26/2016 5:40 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1° 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.

SEMIVOLATILE ORGANIC COMPOUNDS

Sample B1 (460-109448-1) was analyzed for semivolatile organic compounds in accordance with EPA SW-846 Method 8270D. The samples were prepared on 03/01/2016 and analyzed on 03/08/2016.

The following laboratory control sample (LCS) associated with batch 460-353351 contained one acid/base surrogate outside acceptance limits:(LCS 460-353351/2-A). The laboratory's SOP allows one acid and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Several analytes failed the recovery criteria low for the MS/MSD of sample 460-109341-4 in batch 460-354522. Hexachlorocyclopentadiene exceeded the RPD limit.

Refer to the QC report for details.

Internal standard responses were outside of acceptance limits for the following samples: (460-109341-A-4-C MS) and (460-109341-A-4-D MSD). The sample(s) shows evidence of matrix interference.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

METALS

Sample B1 (460-109448-1) was analyzed for Metals in accordance with EPA SW-846 Methods 6010C. The samples were prepared on 02/28/2016 and analyzed on 02/29/2016.

Antimony and Iron failed the recovery criteria low for the MS of sample 460-109419-49 in batch 460-353173. Aluminum and Manganese failed the recovery criteria high.

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.

Sample B1 (460-109448-1)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Metals analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Sample B1 (460-109448-1) was analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 03/02/2016.

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

All 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: 460-109448-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-109448-1	B1	Solid	02/26/16 11:40	02/26/16 17:40

Detection Summary

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

TestAmerica Job ID: 460-109448-1

Client Sample ID: B1

Lab Sample ID: 460-109448-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[a]pyrene	22	J	36	11	ug/Kg	1	☼		8270D	Total/NA
Benzo[b]fluoranthene	31	J	36	14	ug/Kg	1	☼		8270D	Total/NA
Chrysene	25	J	360	9.9	ug/Kg	1	☼		8270D	Total/NA
Fluoranthene	29	J	360	11	ug/Kg	1	☼		8270D	Total/NA
Phenanthrene	9.7	J	360	9.7	ug/Kg	1	☼		8270D	Total/NA
Pyrene	31	J	360	16	ug/Kg	1	☼		8270D	Total/NA
Aluminum	8260		33.1	17.0	mg/Kg	4	☼		6010C	Total/NA
Arsenic	2.3	J	2.5	0.81	mg/Kg	4	☼		6010C	Total/NA
Barium	52.8		33.1	1.2	mg/Kg	4	☼		6010C	Total/NA
Beryllium	0.37		0.33	0.28	mg/Kg	4	☼		6010C	Total/NA
Calcium	1410		827	49.0	mg/Kg	4	☼		6010C	Total/NA
Chromium	9.7		1.7	0.80	mg/Kg	4	☼		6010C	Total/NA
Cobalt	2.9	J	8.3	0.95	mg/Kg	4	☼		6010C	Total/NA
Copper	10.1		4.1	1.1	mg/Kg	4	☼		6010C	Total/NA
Iron	10800		24.8	18.7	mg/Kg	4	☼		6010C	Total/NA
Lead	49.3		1.7	0.65	mg/Kg	4	☼		6010C	Total/NA
Magnesium	908		827	41.3	mg/Kg	4	☼		6010C	Total/NA
Manganese	375		2.5	0.87	mg/Kg	4	☼		6010C	Total/NA
Nickel	10.1		6.6	1.2	mg/Kg	4	☼		6010C	Total/NA
Potassium	370	J	827	25.1	mg/Kg	4	☼		6010C	Total/NA
Vanadium	12.8		8.3	0.83	mg/Kg	4	☼		6010C	Total/NA
Zinc	46.0		5.0	1.2	mg/Kg	4	☼		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Edison

Method Summary

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

TestAmerica Job ID: 460-109448-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
6010C	Metals (ICP)	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

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: 460-109448-1

Client Sample ID: B1

Date Collected: 02/26/16 11:40

Date Received: 02/26/16 17:40

Lab Sample ID: 460-109448-1

Matrix: Solid

Percent Solids: 90.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	360	U	360	31	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
1,2,4,5-Tetrachlorobenzene	360	U	360	27	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
2,2'-oxybis[1-chloropropane]	360	U	360	15	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
2,3,4,6-Tetrachlorophenol	360	U	360	34	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
2,4,5-Trichlorophenol	360	U	360	36	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
2,4,6-Trichlorophenol	150	U	150	10	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
2,4-Dichlorophenol	150	U	150	8.6	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
2,4-Dimethylphenol	360	U	360	80	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
2,4-Dinitrophenol	290	U	290	270	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
2,4-Dinitrotoluene	74	U	74	14	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
2,6-Dinitrotoluene	74	U	74	19	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
2-Chloronaphthalene	360	U	360	8.2	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
2-Chlorophenol	360	U	360	9.2	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
2-Methylnaphthalene	360	U	360	8.0	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
2-Methylphenol	360	U	360	16	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
2-Nitroaniline	360	U	360	12	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
2-Nitrophenol	360	U	360	12	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
3,3'-Dichlorobenzidine	150	U	150	40	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
3-Nitroaniline	360	U	360	11	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
4,6-Dinitro-2-methylphenol	290	U	290	97	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
4-Bromophenyl phenyl ether	360	U	360	11	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
4-Chloro-3-methylphenol	360	U	360	16	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
4-Chloroaniline	360	U	360	9.3	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
4-Chlorophenyl phenyl ether	360	U	360	11	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
4-Methylphenol	360	U	360	9.9	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
4-Nitroaniline	360	U	360	14	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
4-Nitrophenol	740	U	740	170	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Acenaphthene	360	U	360	8.8	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Acenaphthylene	360	U	360	9.3	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Acetophenone	360	U	360	7.9	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Anthracene	360	U	360	34	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Atrazine	150	U	150	16	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Benzaldehyde	360	U	360	28	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Benzo[a]anthracene	36	U	36	30	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Benzo[a]pyrene	22	J	36	11	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Benzo[b]fluoranthene	31	J	36	14	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Benzo[g,h,i]perylene	360	U	360	21	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Benzo[k]fluoranthene	36	U	36	16	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Bis(2-chloroethoxy)methane	360	U	360	11	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Bis(2-chloroethyl)ether	36	U	36	8.6	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Bis(2-ethylhexyl) phthalate	360	U	360	14	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Butyl benzyl phthalate	360	U	360	11	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Caprolactam	360	U	360	26	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Carbazole	360	U	360	9.0	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Chrysene	25	J	360	9.9	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Dibenz(a,h)anthracene	36	U	36	19	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Dibenzofuran	360	U	360	11	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Diethyl phthalate	360	U	360	10	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Dimethyl phthalate	360	U	360	11	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1

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Client Sample Results

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

TestAmerica Job ID: 460-109448-1

Client Sample ID: B1

Date Collected: 02/26/16 11:40

Date Received: 02/26/16 17:40

Lab Sample ID: 460-109448-1

Matrix: Solid

Percent Solids: 90.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	360	U	360	11	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Di-n-octyl phthalate	360	U	360	18	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Fluoranthene	29	J	360	11	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Fluorene	360	U	360	7.9	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Hexachlorobenzene	36	U	36	15	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Hexachlorobutadiene	74	U	74	10	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Hexachlorocyclopentadiene	360	U	360	23	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Hexachloroethane	36	U	36	13	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Indeno[1,2,3-cd]pyrene	36	U	36	24	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Isophorone	150	U	150	7.8	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Naphthalene	360	U	360	9.2	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Nitrobenzene	36	U	36	11	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
N-Nitrosodi-n-propylamine	36	U	36	12	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
N-Nitrosodiphenylamine	360	U	360	33	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Pentachlorophenol	290	U	290	44	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Phenanthrene	9.7	J	360	9.7	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Phenol	360	U	360	12	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1
Pyrene	31	J	360	16	ug/Kg	☼	03/01/16 12:43	03/08/16 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	54		10 - 95	03/01/16 12:43	03/08/16 12:50	1
2-Fluorobiphenyl	56		27 - 84	03/01/16 12:43	03/08/16 12:50	1
2-Fluorophenol (Surr)	49		21 - 84	03/01/16 12:43	03/08/16 12:50	1
Nitrobenzene-d5 (Surr)	58		28 - 92	03/01/16 12:43	03/08/16 12:50	1
Phenol-d5 (Surr)	57		22 - 88	03/01/16 12:43	03/08/16 12:50	1
Terphenyl-d14 (Surr)	77		16 - 114	03/01/16 12:43	03/08/16 12:50	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8260		33.1	17.0	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4
Antimony	3.3	U	3.3	1.3	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4
Arsenic	2.3	J	2.5	0.81	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4
Barium	52.8		33.1	1.2	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4
Beryllium	0.37		0.33	0.28	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4
Cadmium	0.66	U	0.66	0.34	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4
Calcium	1410		827	49.0	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4
Chromium	9.7		1.7	0.80	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4
Cobalt	2.9	J	8.3	0.95	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4
Copper	10.1		4.1	1.1	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4
Iron	10800		24.8	18.7	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4
Lead	49.3		1.7	0.65	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4
Magnesium	908		827	41.3	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4
Manganese	375		2.5	0.87	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4
Nickel	10.1		6.6	1.2	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4
Potassium	370	J	827	25.1	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4
Selenium	3.3	U	3.3	1.1	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4
Silver	1.7	U	1.7	0.29	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4
Sodium	827	U	827	56.0	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4
Thallium	3.3	U	3.3	1.5	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4
Vanadium	12.8		8.3	0.83	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4

TestAmerica Edison

Client Sample Results

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

TestAmerica Job ID: 460-109448-1

Client Sample ID: B1

Date Collected: 02/26/16 11:40

Date Received: 02/26/16 17:40

Lab Sample ID: 460-109448-1

Matrix: Solid

Percent Solids: 90.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	46.0		5.0	1.2	mg/Kg	☼	02/28/16 17:17	02/29/16 18:28	4

Surrogate Summary

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

TestAmerica Job ID: 460-109448-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TBP (10-95)	FBP (27-84)	2FP (21-84)	NBZ (28-92)	PHL (22-88)	TPH (16-114)
460-109341-A-4-C MS	Matrix Spike	57 *	72 *	59	66	59	59
460-109341-A-4-D MSD	Matrix Spike Duplicate	59	79	63	74	62	65
460-109448-1	B1	54	56	49	58	57	77
LCS 460-353351/2-A	Lab Control Sample	96 *	80	74	79	77	88
LCS 460-353351/3-A	Lab Control Sample	82	74	73	79	74	82
MB 460-353351/1-A	Method Blank	91	76	76	82	80	88

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPH = Terphenyl-d14 (Surr)

QC Sample Results

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

TestAmerica Job ID: 460-109448-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-353351/1-A

Matrix: Solid

Analysis Batch: 354522

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 353351

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	330	U	330	28	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
1,2,4,5-Tetrachlorobenzene	330	U	330	25	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
2,2'-oxybis[1-chloropropane]	330	U	330	14	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
2,3,4,6-Tetrachlorophenol	330	U	330	31	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
2,4,5-Trichlorophenol	330	U	330	33	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
2,4,6-Trichlorophenol	130	U	130	9.4	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
2,4-Dichlorophenol	130	U	130	7.8	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
2,4-Dimethylphenol	330	U	330	73	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
2,4-Dinitrophenol	270	U	270	250	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
2,4-Dinitrotoluene	67	U	67	13	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
2,6-Dinitrotoluene	67	U	67	18	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
2-Chloronaphthalene	330	U	330	7.5	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
2-Chlorophenol	330	U	330	8.4	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
2-Methylnaphthalene	330	U	330	7.3	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
2-Methylphenol	330	U	330	14	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
2-Nitroaniline	330	U	330	11	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
2-Nitrophenol	330	U	330	11	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
3,3'-Dichlorobenzidine	130	U	130	37	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
3-Nitroaniline	330	U	330	9.8	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
4,6-Dinitro-2-methylphenol	270	U	270	88	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
4-Bromophenyl phenyl ether	330	U	330	10	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
4-Chloro-3-methylphenol	330	U	330	14	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
4-Chloroaniline	330	U	330	8.5	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
4-Chlorophenyl phenyl ether	330	U	330	9.9	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
4-Methylphenol	330	U	330	9.0	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
4-Nitroaniline	330	U	330	13	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
4-Nitrophenol	670	U	670	160	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Acenaphthene	330	U	330	8.0	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Acenaphthylene	330	U	330	8.5	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Acetophenone	330	U	330	7.2	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Anthracene	330	U	330	31	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Atrazine	130	U	130	15	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Benzaldehyde	330	U	330	25	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Benzo[a]anthracene	33	U	33	28	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Benzo[a]pyrene	33	U	33	10	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Benzo[b]fluoranthene	33	U	33	13	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Benzo[g,h,i]perylene	330	U	330	19	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Benzo[k]fluoranthene	33	U	33	14	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Bis(2-chloroethoxy)methane	330	U	330	10	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Bis(2-chloroethyl)ether	33	U	33	7.8	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Bis(2-ethylhexyl) phthalate	330	U	330	13	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Butyl benzyl phthalate	330	U	330	10	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Caprolactam	330	U	330	24	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Carbazole	330	U	330	8.2	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Chrysene	330	U	330	9.0	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Dibenz(a,h)anthracene	33	U	33	17	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Dibenzofuran	330	U	330	10	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Diethyl phthalate	330	U	330	9.4	ug/Kg		03/01/16 12:43	03/07/16 19:17	1

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-109448-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-353351/1-A

Matrix: Solid

Analysis Batch: 354522

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 353351

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	330	U	330	9.6	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Di-n-butyl phthalate	330	U	330	9.9	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Di-n-octyl phthalate	330	U	330	17	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Fluoranthene	330	U	330	9.8	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Fluorene	330	U	330	7.2	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Hexachlorobenzene	33	U	33	13	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Hexachlorobutadiene	67	U	67	9.3	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Hexachlorocyclopentadiene	330	U	330	21	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Hexachloroethane	33	U	33	12	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Indeno[1,2,3-cd]pyrene	33	U	33	22	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Isophorone	130	U	130	7.1	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Naphthalene	330	U	330	8.4	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Nitrobenzene	33	U	33	10	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
N-Nitrosodi-n-propylamine	33	U	33	11	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
N-Nitrosodiphenylamine	330	U	330	30	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Pentachlorophenol	270	U	270	40	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Phenanthrene	330	U	330	8.8	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Phenol	330	U	330	11	ug/Kg		03/01/16 12:43	03/07/16 19:17	1
Pyrene	330	U	330	15	ug/Kg		03/01/16 12:43	03/07/16 19:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	91		10 - 95	03/01/16 12:43	03/07/16 19:17	1
2-Fluorobiphenyl	76		27 - 84	03/01/16 12:43	03/07/16 19:17	1
2-Fluorophenol (Surr)	76		21 - 84	03/01/16 12:43	03/07/16 19:17	1
Nitrobenzene-d5 (Surr)	82		28 - 92	03/01/16 12:43	03/07/16 19:17	1
Phenol-d5 (Surr)	80		22 - 88	03/01/16 12:43	03/07/16 19:17	1
Terphenyl-d14 (Surr)	88		16 - 114	03/01/16 12:43	03/07/16 19:17	1

Lab Sample ID: LCS 460-353351/2-A

Matrix: Solid

Analysis Batch: 354522

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 353351

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3330	2700		ug/Kg		81	64 - 103
1,2,4,5-Tetrachlorobenzene	3330	2710		ug/Kg		81	62 - 109
2,2'-oxybis[1-chloropropane]	3330	2590		ug/Kg		78	42 - 119
2,3,4,6-Tetrachlorophenol	3330	3030		ug/Kg		91	57 - 113
2,4,5-Trichlorophenol	3330	2580		ug/Kg		77	59 - 105
2,4,6-Trichlorophenol	3330	2810		ug/Kg		84	61 - 107
2,4-Dichlorophenol	3330	2530		ug/Kg		76	59 - 99
2,4-Dimethylphenol	3330	2570		ug/Kg		77	60 - 98
2,4-Dinitrophenol	6670	6770		ug/Kg		102	26 - 137
2,4-Dinitrotoluene	3330	3180		ug/Kg		95	61 - 118
2,6-Dinitrotoluene	3330	3000		ug/Kg		90	63 - 112
2-Chloronaphthalene	3330	2680		ug/Kg		80	63 - 102
2-Chlorophenol	3330	2670		ug/Kg		80	58 - 95
2-Methylnaphthalene	3330	2670		ug/Kg		80	64 - 102
2-Methylphenol	3330	2710		ug/Kg		81	56 - 99

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-109448-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-353351/2-A

Matrix: Solid

Analysis Batch: 354522

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 353351

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Nitroaniline	3330	2860		ug/Kg		86	46 - 113
2-Nitrophenol	3330	2740		ug/Kg		82	63 - 103
3,3'-Dichlorobenzidine	3330	1400		ug/Kg		42	18 - 92
3-Nitroaniline	3330	1650		ug/Kg		50	23 - 89
4,6-Dinitro-2-methylphenol	6670	6530		ug/Kg		98	51 - 124
4-Bromophenyl phenyl ether	3330	2960		ug/Kg		89	65 - 114
4-Chloro-3-methylphenol	3330	2800		ug/Kg		84	58 - 108
4-Chloroaniline	3330	1220		ug/Kg		37	10 - 82
4-Chlorophenyl phenyl ether	3330	2880		ug/Kg		87	63 - 107
4-Methylphenol	3330	2650		ug/Kg		79	53 - 103
4-Nitroaniline	3330	2790		ug/Kg		84	44 - 109
4-Nitrophenol	6670	6910		ug/Kg		104	45 - 125
Acenaphthene	3330	2810		ug/Kg		84	59 - 102
Acenaphthylene	3330	2880		ug/Kg		86	63 - 102
Acetophenone	3330	2780		ug/Kg		83	56 - 107
Anthracene	3330	2950		ug/Kg		89	66 - 105
Benzo[a]anthracene	3330	2950		ug/Kg		89	65 - 106
Benzo[a]pyrene	3330	3050		ug/Kg		91	68 - 111
Benzo[b]fluoranthene	3330	3250		ug/Kg		98	67 - 116
Benzo[g,h,i]perylene	3330	2910		ug/Kg		87	49 - 124
Benzo[k]fluoranthene	3330	2870		ug/Kg		86	65 - 114
Bis(2-chloroethoxy)methane	3330	2810		ug/Kg		84	61 - 102
Bis(2-chloroethyl)ether	3330	2800		ug/Kg		84	58 - 102
Bis(2-ethylhexyl) phthalate	3330	3070		ug/Kg		92	60 - 125
Butyl benzyl phthalate	3330	3110		ug/Kg		93	62 - 123
Carbazole	3330	3050		ug/Kg		92	62 - 107
Chrysene	3330	3030		ug/Kg		91	64 - 105
Dibenz(a,h)anthracene	3330	3210		ug/Kg		96	54 - 126
Dibenzofuran	3330	2800		ug/Kg		84	62 - 102
Diethyl phthalate	3330	3110		ug/Kg		93	61 - 110
Dimethyl phthalate	3330	2990		ug/Kg		90	64 - 108
Di-n-butyl phthalate	3330	3150		ug/Kg		94	62 - 114
Di-n-octyl phthalate	3330	3100		ug/Kg		93	52 - 137
Fluoranthene	3330	3140		ug/Kg		94	59 - 109
Fluorene	3330	2850		ug/Kg		86	65 - 108
Hexachlorobenzene	3330	3030		ug/Kg		91	65 - 117
Hexachlorobutadiene	3330	2600		ug/Kg		78	60 - 105
Hexachlorocyclopentadiene	3330	3120		ug/Kg		94	37 - 119
Hexachloroethane	3330	2550		ug/Kg		76	60 - 94
Indeno[1,2,3-cd]pyrene	3330	3260		ug/Kg		98	50 - 134
Isophorone	3330	3000		ug/Kg		90	60 - 102
Naphthalene	3330	2660		ug/Kg		80	64 - 99
Nitrobenzene	3330	2700		ug/Kg		81	59 - 102
N-Nitrosodi-n-propylamine	3330	2910		ug/Kg		87	56 - 112
N-Nitrosodiphenylamine	3330	2890		ug/Kg		87	71 - 119
Pentachlorophenol	6670	6140		ug/Kg		92	47 - 115
Phenanthrene	3330	2860		ug/Kg		86	66 - 105
Phenol	3330	2550		ug/Kg		77	55 - 99

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-109448-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-353351/2-A

Matrix: Solid

Analysis Batch: 354522

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 353351

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyrene	3330	2920		ug/Kg		88	55 - 126

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	96	*	10 - 95
2-Fluorobiphenyl	80		27 - 84
2-Fluorophenol (Surr)	74		21 - 84
Nitrobenzene-d5 (Surr)	79		28 - 92
Phenol-d5 (Surr)	77		22 - 88
Terphenyl-d14 (Surr)	88		16 - 114

Lab Sample ID: LCS 460-353351/3-A

Matrix: Solid

Analysis Batch: 354522

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 353351

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	6670	6200		ug/Kg		93	41 - 116
Benzaldehyde	6670	4820		ug/Kg		72	55 - 116
Caprolactam	6670	6850		ug/Kg		103	44 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	82		10 - 95
2-Fluorobiphenyl	74		27 - 84
2-Fluorophenol (Surr)	73		21 - 84
Nitrobenzene-d5 (Surr)	79		28 - 92
Phenol-d5 (Surr)	74		22 - 88
Terphenyl-d14 (Surr)	82		16 - 114

Lab Sample ID: 460-109341-A-4-C MS

Matrix: Solid

Analysis Batch: 354522

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 353351

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	2000	U	4130	3070	*	ug/Kg	☼	74	64 - 103
1,2,4,5-Tetrachlorobenzene	2000	U	4130	2870	*	ug/Kg	☼	70	62 - 109
2,2'-oxybis[1-chloropropane]	2000	U	4130	2810		ug/Kg	☼	68	42 - 119
2,3,4,6-Tetrachlorophenol	2000	U	4130	1990	J *	ug/Kg	☼	48	57 - 113
2,4,5-Trichlorophenol	2000	U	4130	2170	*	ug/Kg	☼	52	59 - 105
2,4,6-Trichlorophenol	820	U	4130	2480	*	ug/Kg	☼	60	61 - 107
2,4-Dichlorophenol	820	U	4130	2310	*	ug/Kg	☼	56	59 - 99
2,4-Dimethylphenol	2000	U	4130	2200	*	ug/Kg	☼	53	60 - 98
2,4-Dinitrophenol	1600	U	8270	1600	U *	ug/Kg	☼	0	26 - 137
2,4-Dinitrotoluene	420	U	4130	3140	*	ug/Kg	☼	76	61 - 118
2,6-Dinitrotoluene	420	U	4130	3650	*	ug/Kg	☼	88	63 - 112
2-Chloronaphthalene	2000	U	4130	3030	*	ug/Kg	☼	73	63 - 102
2-Chlorophenol	2000	U	4130	2530		ug/Kg	☼	61	58 - 95
2-Methylnaphthalene	150	J	4130	2710	*	ug/Kg	☼	62	64 - 102
2-Methylphenol	2000	U	4130	2390		ug/Kg	☼	58	56 - 99
2-Nitroaniline	2000	U	4130	3410	*	ug/Kg	☼	83	46 - 113

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-109448-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-109341-A-4-C MS

Matrix: Solid

Analysis Batch: 354522

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 353351

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
2-Nitrophenol	2000	U	4130	2330	*	ug/Kg	☼	56	63 - 103
3,3'-Dichlorobenzidine	820	U	4130	1850		ug/Kg	☼	45	18 - 92
3-Nitroaniline	2000	U	4130	2630	*	ug/Kg	☼	64	23 - 89
4,6-Dinitro-2-methylphenol	1600	U	8270	2180	*	ug/Kg	☼	26	51 - 124
4-Bromophenyl phenyl ether	2000	U	4130	2730	*	ug/Kg	☼	66	65 - 114
4-Chloro-3-methylphenol	2000	U	4130	2380		ug/Kg	☼	58	58 - 108
4-Chloroaniline	2000	U	4130	1120	J	ug/Kg	☼	27	10 - 82
4-Chlorophenyl phenyl ether	2000	U	4130	2820	*	ug/Kg	☼	68	63 - 107
4-Methylphenol	2000	U	4130	2450		ug/Kg	☼	59	53 - 103
4-Nitroaniline	2000	U	4130	2330	*	ug/Kg	☼	56	44 - 109
4-Nitrophenol	4200	U	8270	4610	*	ug/Kg	☼	56	45 - 125
Acenaphthene	1300	J	4130	4410	*	ug/Kg	☼	74	59 - 102
Acenaphthylene	190	J	4130	3160	*	ug/Kg	☼	72	63 - 102
Acetophenone	2000	U	4130	2890		ug/Kg	☼	70	56 - 107
Anthracene	2300		4130	5010	*	ug/Kg	☼	67	66 - 105
Atrazine	820	U	8270	7500	*	ug/Kg	☼	91	41 - 116
Benzaldehyde	2000	U	8270	4870		ug/Kg	☼	59	55 - 116
Benzo[a]anthracene	9500		4130	12200		ug/Kg	☼	65	65 - 106
Benzo[a]pyrene	10000		4130	13500		ug/Kg	☼	80	68 - 111
Benzo[b]fluoranthene	12000		4130	15800		ug/Kg	☼	80	67 - 116
Benzo[g,h,i]perylene	11000		4130	14700		ug/Kg	☼	93	49 - 124
Benzo[k]fluoranthene	4700		4130	7310	*	ug/Kg	☼	63	65 - 114
Bis(2-chloroethoxy)methane	2000	U	4130	3030		ug/Kg	☼	73	61 - 102
Bis(2-chloroethyl)ether	200	U	4130	2720		ug/Kg	☼	66	58 - 102
Bis(2-ethylhexyl) phthalate	2000	U	4130	3170		ug/Kg	☼	77	60 - 125
Butyl benzyl phthalate	2000	U	4130	2900		ug/Kg	☼	70	62 - 123
Caprolactam	2000	U	8270	4150		ug/Kg	☼	50	44 - 129
Carbazole	1400	J	4130	4350	*	ug/Kg	☼	72	62 - 107
Chrysene	11000		4130	15600		ug/Kg	☼	100	64 - 105
Dibenz(a,h)anthracene	2700		4130	6680		ug/Kg	☼	97	54 - 126
Dibenzofuran	410	J	4130	3310	*	ug/Kg	☼	70	62 - 102
Diethyl phthalate	2000	U	4130	3500	*	ug/Kg	☼	85	61 - 110
Dimethyl phthalate	2000	U	4130	3620	*	ug/Kg	☼	88	64 - 108
Di-n-butyl phthalate	2000	U	4130	3370	*	ug/Kg	☼	81	62 - 114
Di-n-octyl phthalate	2000	U	4130	2110	*	ug/Kg	☼	51	52 - 137
Fluoranthene	25000		4130	29400	*	ug/Kg	☼	107	59 - 109
Fluorene	1100	J	4130	3880	*	ug/Kg	☼	67	65 - 108
Hexachlorobenzene	200	U	4130	2760	*	ug/Kg	☼	67	65 - 117
Hexachlorobutadiene	420	U	4130	2650		ug/Kg	☼	64	60 - 105
Hexachlorocyclopentadiene	2000	U	4130	287	J *	ug/Kg	☼	7	37 - 119
Hexachloroethane	200	U	4130	2480		ug/Kg	☼	60	60 - 94
Indeno[1,2,3-cd]pyrene	11000		4130	16400		ug/Kg	☼	124	50 - 134
Isophorone	820	U	4130	3170		ug/Kg	☼	77	60 - 102
Naphthalene	72	J	4130	2780		ug/Kg	☼	66	64 - 99
Nitrobenzene	200	U	4130	2610		ug/Kg	☼	63	59 - 102
N-Nitrosodi-n-propylamine	200	U	4130	2810		ug/Kg	☼	68	56 - 112
N-Nitrosodiphenylamine	2000	U	4130	3430	*	ug/Kg	☼	83	71 - 119
Pentachlorophenol	1600	U	8270	5380	*	ug/Kg	☼	65	47 - 115

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-109448-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-109341-A-4-C MS

Matrix: Solid

Analysis Batch: 354522

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 353351

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenanthrene	12000		4130	15600	*	ug/Kg	☼	94	66 - 105
Phenol	2000	U	4130	2320		ug/Kg	☼	56	55 - 99
Pyrene	17000		4130	20100		ug/Kg	☼	71	55 - 126

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	57	*	10 - 95
2-Fluorobiphenyl	72	*	27 - 84
2-Fluorophenol (Surr)	59		21 - 84
Nitrobenzene-d5 (Surr)	66		28 - 92
Phenol-d5 (Surr)	59		22 - 88
Terphenyl-d14 (Surr)	59		16 - 114

Lab Sample ID: 460-109341-A-4-D MSD

Matrix: Solid

Analysis Batch: 354522

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 353351

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	2000	U	4130	3350		ug/Kg	☼	81	64 - 103	9	30
1,2,4,5-Tetrachlorobenzene	2000	U	4130	3080		ug/Kg	☼	74	62 - 109	7	30
2,2'-oxybis[1-chloropropane]	2000	U	4130	3030		ug/Kg	☼	73	42 - 119	8	30
2,3,4,6-Tetrachlorophenol	2000	U	4130	2200	*	ug/Kg	☼	53	57 - 113	10	30
2,4,5-Trichlorophenol	2000	U	4130	2590		ug/Kg	☼	63	59 - 105	18	30
2,4,6-Trichlorophenol	820	U	4130	2780		ug/Kg	☼	67	61 - 107	12	30
2,4-Dichlorophenol	820	U	4130	2670		ug/Kg	☼	65	59 - 99	15	30
2,4-Dimethylphenol	2000	U	4130	2650		ug/Kg	☼	64	60 - 98	19	30
2,4-Dinitrophenol	1600	U	8270	1600	U *	ug/Kg	☼	0	26 - 137	NC	30
2,4-Dinitrotoluene	420	U	4130	3550		ug/Kg	☼	86	61 - 118	12	30
2,6-Dinitrotoluene	420	U	4130	4320		ug/Kg	☼	104	63 - 112	17	30
2-Chloronaphthalene	2000	U	4130	3240		ug/Kg	☼	78	63 - 102	7	30
2-Chlorophenol	2000	U	4130	2750		ug/Kg	☼	66	58 - 95	8	30
2-Methylnaphthalene	150	J	4130	3070		ug/Kg	☼	71	64 - 102	12	30
2-Methylphenol	2000	U	4130	2770		ug/Kg	☼	67	56 - 99	15	30
2-Nitroaniline	2000	U	4130	3620		ug/Kg	☼	88	46 - 113	6	30
2-Nitrophenol	2000	U	4130	2640		ug/Kg	☼	64	63 - 103	13	30
3,3'-Dichlorobenzidine	820	U	4130	2130		ug/Kg	☼	51	18 - 92	14	30
3-Nitroaniline	2000	U	4130	3380		ug/Kg	☼	82	23 - 89	25	30
4,6-Dinitro-2-methylphenol	1600	U	8270	2120	*	ug/Kg	☼	26	51 - 124	3	30
4-Bromophenyl phenyl ether	2000	U	4130	3200	*	ug/Kg	☼	77	65 - 114	16	30
4-Chloro-3-methylphenol	2000	U	4130	2820		ug/Kg	☼	68	58 - 108	17	30
4-Chloroaniline	2000	U	4130	1240	J	ug/Kg	☼	30	10 - 82	11	30
4-Chlorophenyl phenyl ether	2000	U	4130	3240		ug/Kg	☼	78	63 - 107	14	30
4-Methylphenol	2000	U	4130	2840		ug/Kg	☼	69	53 - 103	15	30
4-Nitroaniline	2000	U	4130	2380		ug/Kg	☼	58	44 - 109	2	30
4-Nitrophenol	4200	U	8270	4970		ug/Kg	☼	60	45 - 125	7	30
Acenaphthene	1300	J	4130	4400		ug/Kg	☼	74	59 - 102	0	30
Acenaphthylene	190	J	4130	3500		ug/Kg	☼	80	63 - 102	10	30
Acetophenone	2000	U	4130	3150		ug/Kg	☼	76	56 - 107	9	30
Anthracene	2300		4130	4930	*	ug/Kg	☼	65	66 - 105	1	30

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-109448-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-109341-A-4-D MSD

Matrix: Solid

Analysis Batch: 354522

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 353351

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Atrazine	820	U	8270	8900	*	ug/Kg	☀	108	41 - 116	17	30
Benzaldehyde	2000	U	8270	4810		ug/Kg	☀	58	55 - 116	1	30
Benzo[a]anthracene	9500		4130	11300	*	ug/Kg	☀	43	65 - 106	8	30
Benzo[a]pyrene	10000		4130	11700	*	ug/Kg	☀	38	68 - 111	14	30
Benzo[b]fluoranthene	12000		4130	13400	*	ug/Kg	☀	22	67 - 116	17	30
Benzo[g,h,i]perylene	11000		4130	12800	*	ug/Kg	☀	47	49 - 124	14	30
Benzo[k]fluoranthene	4700		4130	6750	*	ug/Kg	☀	49	65 - 114	8	30
Bis(2-chloroethoxy)methane	2000	U	4130	3380		ug/Kg	☀	82	61 - 102	11	30
Bis(2-chloroethyl)ether	200	U	4130	2920		ug/Kg	☀	71	58 - 102	7	30
Bis(2-ethylhexyl) phthalate	2000	U	4130	3410		ug/Kg	☀	83	60 - 125	7	30
Butyl benzyl phthalate	2000	U	4130	3190		ug/Kg	☀	77	62 - 123	9	30
Caprolactam	2000	U	8270	4510		ug/Kg	☀	55	44 - 129	8	30
Carbazole	1400	J	4130	4630	*	ug/Kg	☀	79	62 - 107	6	30
Chrysene	11000		4130	13300	*	ug/Kg	☀	45	64 - 105	16	30
Dibenz(a,h)anthracene	2700		4130	6660		ug/Kg	☀	96	54 - 126	0	30
Dibenzofuran	410	J	4130	3480		ug/Kg	☀	74	62 - 102	5	30
Diethyl phthalate	2000	U	4130	3810		ug/Kg	☀	92	61 - 110	8	30
Dimethyl phthalate	2000	U	4130	3960		ug/Kg	☀	96	64 - 108	9	30
Di-n-butyl phthalate	2000	U	4130	3790	*	ug/Kg	☀	92	62 - 114	12	30
Di-n-octyl phthalate	2000	U	4130	2190		ug/Kg	☀	53	52 - 137	3	30
Fluoranthene	25000		4130	24600	*	ug/Kg	☀	-9	59 - 109	18	30
Fluorene	1100	J	4130	4020		ug/Kg	☀	71	65 - 108	3	30
Hexachlorobenzene	200	U	4130	3110	*	ug/Kg	☀	75	65 - 117	12	30
Hexachlorobutadiene	420	U	4130	3050		ug/Kg	☀	74	60 - 105	14	30
Hexachlorocyclopentadiene	2000	U	4130	192	J *	ug/Kg	☀	5	37 - 119	40	30
Hexachloroethane	200	U	4130	2570		ug/Kg	☀	62	60 - 94	4	30
Indeno[1,2,3-cd]pyrene	11000		4130	14600		ug/Kg	☀	81	50 - 134	12	30
Isophorone	820	U	4130	3480		ug/Kg	☀	84	60 - 102	10	30
Naphthalene	72	J	4130	3120		ug/Kg	☀	74	64 - 99	11	30
Nitrobenzene	200	U	4130	2990		ug/Kg	☀	72	59 - 102	13	30
N-Nitrosodi-n-propylamine	200	U	4130	3130		ug/Kg	☀	76	56 - 112	11	30
N-Nitrosodiphenylamine	2000	U	4130	3970	*	ug/Kg	☀	96	71 - 119	14	30
Pentachlorophenol	1600	U	8270	5040	*	ug/Kg	☀	61	47 - 115	7	30
Phenanthrene	12000		4130	13400	*	ug/Kg	☀	40	66 - 105	15	30
Phenol	2000	U	4130	2510		ug/Kg	☀	61	55 - 99	8	30
Pyrene	17000		4130	16600	*	ug/Kg	☀	-12	55 - 126	19	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	59		10 - 95
2-Fluorobiphenyl	79		27 - 84
2-Fluorophenol (Surr)	63		21 - 84
Nitrobenzene-d5 (Surr)	74		28 - 92
Phenol-d5 (Surr)	62		22 - 88
Terphenyl-d14 (Surr)	65		16 - 114

QC Sample Results

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

TestAmerica Job ID: 460-109448-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 460-353000/1-A ^2

Matrix: Solid

Analysis Batch: 353173

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 353000

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	10.3	mg/Kg		02/28/16 17:17	02/29/16 12:08	2
Antimony	2.0	U	2.0	0.79	mg/Kg		02/28/16 17:17	02/29/16 12:08	2
Arsenic	1.5	U	1.5	0.49	mg/Kg		02/28/16 17:17	02/29/16 12:08	2
Barium	20.0	U	20.0	0.72	mg/Kg		02/28/16 17:17	02/29/16 12:08	2
Beryllium	0.20	U	0.20	0.17	mg/Kg		02/28/16 17:17	02/29/16 12:08	2
Cadmium	0.40	U	0.40	0.21	mg/Kg		02/28/16 17:17	02/29/16 12:08	2
Calcium	500	U	500	29.6	mg/Kg		02/28/16 17:17	02/29/16 12:08	2
Chromium	1.0	U	1.0	0.48	mg/Kg		02/28/16 17:17	02/29/16 12:08	2
Cobalt	5.0	U	5.0	0.58	mg/Kg		02/28/16 17:17	02/29/16 12:08	2
Copper	2.5	U	2.5	0.65	mg/Kg		02/28/16 17:17	02/29/16 12:08	2
Iron	15.0	U	15.0	11.3	mg/Kg		02/28/16 17:17	02/29/16 12:08	2
Lead	1.0	U	1.0	0.39	mg/Kg		02/28/16 17:17	02/29/16 12:08	2
Magnesium	500	U	500	25.0	mg/Kg		02/28/16 17:17	02/29/16 12:08	2
Manganese	1.5	U	1.5	0.53	mg/Kg		02/28/16 17:17	02/29/16 12:08	2
Nickel	4.0	U	4.0	0.73	mg/Kg		02/28/16 17:17	02/29/16 12:08	2
Potassium	500	U	500	15.2	mg/Kg		02/28/16 17:17	02/29/16 12:08	2
Selenium	2.0	U	2.0	0.69	mg/Kg		02/28/16 17:17	02/29/16 12:08	2
Silver	1.0	U	1.0	0.18	mg/Kg		02/28/16 17:17	02/29/16 12:08	2
Sodium	500	U	500	33.9	mg/Kg		02/28/16 17:17	02/29/16 12:08	2
Thallium	2.0	U	2.0	0.89	mg/Kg		02/28/16 17:17	02/29/16 12:08	2
Vanadium	5.0	U	5.0	0.50	mg/Kg		02/28/16 17:17	02/29/16 12:08	2
Zinc	3.0	U	3.0	0.73	mg/Kg		02/28/16 17:17	02/29/16 12:08	2

Lab Sample ID: LCSSRM 460-353000/2-A

Matrix: Solid

Analysis Batch: 353173

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 353000

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	7930	6961		mg/Kg		87.8	50.2 - 150.1
Antimony	105	57.65		mg/Kg		54.9	0.1 - 201.0
Arsenic	98.5	94.63		mg/Kg		96.1	77.8 - 122.8
Barium	308	316.9		mg/Kg		102.9	82.5 - 117.5
Beryllium	66.0	66.33		mg/Kg		100.5	83.0 - 116.8
Cadmium	146	152.6		mg/Kg		104.5	82.9 - 117.8
Calcium	6610	6382		mg/Kg		96.6	83.7 - 116.2
Chromium	182	188.5		mg/Kg		103.6	79.7 - 120.3
Cobalt	162	172.4		mg/Kg		106.4	83.3 - 116.0
Copper	106	105.6		mg/Kg		99.6	81.5 - 118.9
Iron	14400	13660		mg/Kg		94.9	44.1 - 155.6

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-109448-1

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

Lab Sample ID: LCSSRM 460-353000/2-A

Matrix: Solid

Analysis Batch: 353173

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 353000

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	130	133.2		mg/Kg		102.5	82.3 - 117.7
Magnesium	2640	2445		mg/Kg		92.6	75.8 - 124.6
Manganese	410	428.4		mg/Kg		104.5	81.2 - 119.0
Nickel	149	162.0		mg/Kg		108.7	82.6 - 117.4
Potassium	2550	2304		mg/Kg		90.3	69.0 - 130.6
Selenium	154	150.3		mg/Kg		97.6	77.9 - 122.1
Silver	40.9	38.06		mg/Kg		93.1	75.1 - 124.7
Sodium	2480	2527		mg/Kg		101.9	70.6 - 129.0
Thallium	175	193.8		mg/Kg		110.7	78.3 - 121.1
Vanadium	96.7	97.41		mg/Kg		100.7	77.2 - 123.1
Zinc	191	196.7		mg/Kg		103.0	83.2 - 116.8

Lab Sample ID: 460-109419-A-49-D MS

Matrix: Solid

Analysis Batch: 353173

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 353000

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2130		172	5744	4	mg/Kg	☼	2104	75 - 125
Antimony	3.5	U	43.0	17.34	N	mg/Kg	☼	40	75 - 125
Arsenic	2.6	U	172	160.5		mg/Kg	☼	93	75 - 125
Barium	8.7	J	172	183.3		mg/Kg	☼	102	75 - 125
Beryllium	0.35	U	4.30	4.61		mg/Kg	☼	107	75 - 125
Cadmium	0.70	U	4.30	4.09		mg/Kg	☼	95	75 - 125
Calcium	649	J	1720	2320		mg/Kg	☼	97	75 - 125
Chromium	9.5		17.2	27.30		mg/Kg	☼	103	75 - 125
Cobalt	1.0	J	43.0	46.67		mg/Kg	☼	109	75 - 125
Copper	5.8		21.5	26.91		mg/Kg	☼	98	75 - 125
Iron	8910		85.9	8774	4	mg/Kg	☼	-153	75 - 125
Lead	3.3		43.0	48.63		mg/Kg	☼	106	75 - 125
Magnesium	585	J	1720	2655		mg/Kg	☼	120	75 - 125
Manganese	22.9		43.0	100.5	N	mg/Kg	☼	181	75 - 125
Nickel	2.4	J	43.0	47.50		mg/Kg	☼	105	75 - 125
Potassium	350	J	1720	1722		mg/Kg	☼	80	75 - 125
Selenium	1.4	J	172	161.1		mg/Kg	☼	93	75 - 125
Silver	1.8	U	4.30	4.05		mg/Kg	☼	94	75 - 125
Sodium	512	J	1720	2151		mg/Kg	☼	95	75 - 125
Thallium	3.5	U	172	178.7		mg/Kg	☼	104	75 - 125
Vanadium	11.6		43.0	55.14		mg/Kg	☼	101	75 - 125
Zinc	5.1	J	43.0	49.56		mg/Kg	☼	103	75 - 125

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-109448-1

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

Lab Sample ID: 460-109419-A-49-C DU

Matrix: Solid

Analysis Batch: 353173

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 353000

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Aluminum	2130		2033		mg/Kg	☼	5	20
Antimony	3.5	U	3.4	U	mg/Kg	☼	NC	20
Arsenic	2.6	U	1.31	J	mg/Kg	☼	NC	20
Barium	8.7	J	8.43	J	mg/Kg	☼	3	20
Beryllium	0.35	U	0.34	U	mg/Kg	☼	NC	20
Cadmium	0.70	U	0.68	U	mg/Kg	☼	NC	20
Calcium	649	J	623.2	J	mg/Kg	☼	4	20
Chromium	9.5		9.17		mg/Kg	☼	4	20
Cobalt	1.0	J	0.972	J	mg/Kg	☼	3	20
Copper	5.8		5.61		mg/Kg	☼	3	20
Iron	8910		8551		mg/Kg	☼	4	20
Lead	3.3		2.94		mg/Kg	☼	11	20
Magnesium	585	J	564.5	J	mg/Kg	☼	4	20
Manganese	22.9		22.02		mg/Kg	☼	4	20
Nickel	2.4	J	2.35	J	mg/Kg	☼	2	20
Potassium	350	J	333.3	J	mg/Kg	☼	5	20
Selenium	1.4	J	3.4	U	mg/Kg	☼	NC	20
Silver	1.8	U	1.7	U	mg/Kg	☼	NC	20
Sodium	512	J	493.0	J	mg/Kg	☼	4	20
Thallium	3.5	U	3.4	U	mg/Kg	☼	NC	20
Vanadium	11.6		11.13		mg/Kg	☼	4	20
Zinc	5.1	J	4.94	J	mg/Kg	☼	4	20

Definitions/Glossary

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

TestAmerica Job ID: 460-109448-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
*	MS or MSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.
*	Duplicate RPD exceeds control limits
*	Surrogate is outside acceptance limits.

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.
N	Spiked sample recovery is not within control limits.

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: 460-109448-1

GC/MS Semi VOA

Prep Batch: 353351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-109341-A-4-C MS	Matrix Spike	Total/NA	Solid	3546	
460-109341-A-4-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	
460-109448-1	B1	Total/NA	Solid	3546	
LCS 460-353351/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 460-353351/3-A	Lab Control Sample	Total/NA	Solid	3546	
MB 460-353351/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 354522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-109341-A-4-C MS	Matrix Spike	Total/NA	Solid	8270D	353351
460-109341-A-4-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	353351
LCS 460-353351/2-A	Lab Control Sample	Total/NA	Solid	8270D	353351
LCS 460-353351/3-A	Lab Control Sample	Total/NA	Solid	8270D	353351
MB 460-353351/1-A	Method Blank	Total/NA	Solid	8270D	353351

Analysis Batch: 354619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-109448-1	B1	Total/NA	Solid	8270D	353351

Metals

Prep Batch: 353000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-109419-A-49-B PDS	Post Spike	Total/NA	Solid	3050B	
460-109419-A-49-B SD	SD	Total/NA	Solid	3050B	
460-109419-A-49-C DU	Duplicate	Total/NA	Solid	3050B	
460-109419-A-49-D MS	Matrix Spike	Total/NA	Solid	3050B	
460-109448-1	B1	Total/NA	Solid	3050B	
LCSSRM 460-353000/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 460-353000/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 353173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-109419-A-49-B PDS	Post Spike	Total/NA	Solid	6010C	353000
460-109419-A-49-B SD	SD	Total/NA	Solid	6010C	353000
460-109419-A-49-C DU	Duplicate	Total/NA	Solid	6010C	353000
460-109419-A-49-D MS	Matrix Spike	Total/NA	Solid	6010C	353000
ICSA 460-353173/10	ICS		Solid	6010C	
ICSA 460-353173/11	ICS		Solid	6010C	
LCSSRM 460-353000/2-A	Lab Control Sample	Total/NA	Solid	6010C	353000
MB 460-353000/1-A ^2	Method Blank	Total/NA	Solid	6010C	353000

Analysis Batch: 353355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-109448-1	B1	Total/NA	Solid	6010C	353000
ICSA 460-353355/10	ICS		Solid	6010C	
ICSA 460-353355/11	ICS		Solid	6010C	

QC Association Summary

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

TestAmerica Job ID: 460-109448-1

General Chemistry

Analysis Batch: 353574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-109448-1	B1	Total/NA	Solid	Moisture	
460-109448-1 DU	B1	Total/NA	Solid	Moisture	

Lab Chronicle

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

TestAmerica Job ID: 460-109448-1

Client Sample ID: B1

Date Collected: 02/26/16 11:40

Date Received: 02/26/16 17:40

Lab Sample ID: 460-109448-1

Matrix: Solid

Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			353351	03/01/16 12:43	RAD	TAL EDI
Total/NA	Analysis	8270D		1	354619	03/08/16 12:50	AAS	TAL EDI
Total/NA	Prep	3050B			353000	02/28/16 17:17	EAE	TAL EDI
Total/NA	Analysis	6010C		4	353355	02/29/16 18:28	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	353574	03/02/16 11:33	CJA	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: 460-109448-1

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
The following analytes are included in this report, but certification is not offered by the governing authority:				
Analysis Method	Prep Method	Matrix	Analyte	
Moisture		Solid	Percent Moisture	
Moisture		Solid	Percent Solids	

8270D

Semivolatile Organic Compounds
(GC/MS)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Matrix: Solid Level: Low
 GC Column (1): Rtxi-5Sil M ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
B1	460-109448-1	49	57	58	56	54	77
	MB 460-353351/1-A	76	80	82	76	91	88
	LCS 460-353351/2-A	74	77	79	80	96 *	88
	LCS 460-353351/3-A	73	74	79	74	82	82
	460-109341-A-4-C MS	59	59	66	72 *	57 *	59
	460-109341-A-4-D MSD	63	62	74	79	59	65

	<u>QC LIMITS</u>
2FP = 2-Fluorophenol (Surr)	21-84
PHL = Phenol-d5 (Surr)	22-88
NBZ = Nitrobenzene-d5 (Surr)	28-92
FBP = 2-Fluorobiphenyl	27-84
TBP = 2,4,6-Tribromophenol (Surr)	10-95
TPH = Terphenyl-d14 (Surr)	16-114

Column to be used to flag recovery values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: x11515.D
 Lab ID: LCS 460-353351/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	3330	2700	81	64-103	
1,2,4,5-Tetrachlorobenzene	3330	2710	81	62-109	
2,2'-oxybis[1-chloropropane]	3330	2590	78	42-119	
2,3,4,6-Tetrachlorophenol	3330	3030	91	57-113	
2,4,5-Trichlorophenol	3330	2580	77	59-105	
2,4,6-Trichlorophenol	3330	2810	84	61-107	
2,4-Dichlorophenol	3330	2530	76	59-99	
2,4-Dimethylphenol	3330	2570	77	60-98	
2,4-Dinitrophenol	6670	6770	102	26-137	
2,4-Dinitrotoluene	3330	3180	95	61-118	
2,6-Dinitrotoluene	3330	3000	90	63-112	
2-Chloronaphthalene	3330	2680	80	63-102	
2-Chlorophenol	3330	2670	80	58-95	
2-Methylnaphthalene	3330	2670	80	64-102	
2-Methylphenol	3330	2710	81	56-99	
2-Nitroaniline	3330	2860	86	46-113	
2-Nitrophenol	3330	2740	82	63-103	
3,3'-Dichlorobenzidine	3330	1400	42	18-92	
3-Nitroaniline	3330	1650	50	23-89	
4,6-Dinitro-2-methylphenol	6670	6530	98	51-124	
4-Bromophenyl phenyl ether	3330	2960	89	65-114	
4-Chloro-3-methylphenol	3330	2800	84	58-108	
4-Chloroaniline	3330	1220	37	10-82	
4-Chlorophenyl phenyl ether	3330	2880	87	63-107	
4-Methylphenol	3330	2650	79	53-103	
4-Nitroaniline	3330	2790	84	44-109	
4-Nitrophenol	6670	6910	104	45-125	
Acenaphthene	3330	2810	84	59-102	
Acenaphthylene	3330	2880	86	63-102	
Acetophenone	3330	2780	83	56-107	
Anthracene	3330	2950	89	66-105	
Benzo[a]anthracene	3330	2950	89	65-106	
Benzo[a]pyrene	3330	3050	91	68-111	
Benzo[b]fluoranthene	3330	3250	98	67-116	
Benzo[g,h,i]perylene	3330	2910	87	49-124	
Benzo[k]fluoranthene	3330	2870	86	65-114	
Bis(2-chloroethoxy)methane	3330	2810	84	61-102	
Bis(2-chloroethyl)ether	3330	2800	84	58-102	
Bis(2-ethylhexyl) phthalate	3330	3070	92	60-125	
Butyl benzyl phthalate	3330	3110	93	62-123	
Carbazole	3330	3050	92	62-107	
Chrysene	3330	3030	91	64-105	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: x11515.D
 Lab ID: LCS 460-353351/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Dibenz (a,h) anthracene	3330	3210	96	54-126	
Dibenzofuran	3330	2800	84	62-102	
Diethyl phthalate	3330	3110	93	61-110	
Dimethyl phthalate	3330	2990	90	64-108	
Di-n-butyl phthalate	3330	3150	94	62-114	
Di-n-octyl phthalate	3330	3100	93	52-137	
Fluoranthene	3330	3140	94	59-109	
Fluorene	3330	2850	86	65-108	
Hexachlorobenzene	3330	3030	91	65-117	
Hexachlorobutadiene	3330	2600	78	60-105	
Hexachlorocyclopentadiene	3330	3120	94	37-119	
Hexachloroethane	3330	2550	76	60-94	
Indeno[1,2,3-cd]pyrene	3330	3260	98	50-134	
Isophorone	3330	3000	90	60-102	
Naphthalene	3330	2660	80	64-99	
Nitrobenzene	3330	2700	81	59-102	
N-Nitrosodi-n-propylamine	3330	2910	87	56-112	
N-Nitrosodiphenylamine	3330	2890	87	71-119	
Pentachlorophenol	6670	6140	92	47-115	
Phenanthrene	3330	2860	86	66-105	
Phenol	3330	2550	77	55-99	
Pyrene	3330	2920	88	55-126	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-109448-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: x11516.D
Lab ID: LCS 460-353351/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Atrazine	6670	6200	93	41-116	
Benzaldehyde	6670	4820	72	55-116	
Caprolactam	6670	6850	103	44-129	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-109448-1

SDG No.: _____

Matrix: Solid Level: Low

Lab File ID: x11532.D

Lab ID: 460-109341-A-4-C MS

Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1'-Biphenyl	4130	2000 U	3070	74	64-103	*
1,2,4,5-Tetrachlorobenzene	4130	2000 U	2870	70	62-109	*
2,2'-oxybis[1-chloropropane]	4130	2000 U	2810	68	42-119	
2,3,4,6-Tetrachlorophenol	4130	2000 U	1990 J	48	57-113	*
2,4,5-Trichlorophenol	4130	2000 U	2170	52	59-105	*
2,4,6-Trichlorophenol	4130	820 U	2480	60	61-107	*
2,4-Dichlorophenol	4130	820 U	2310	56	59-99	*
2,4-Dimethylphenol	4130	2000 U	2200	53	60-98	*
2,4-Dinitrophenol	8270	1600 U	1600 U	0	26-137	*
2,4-Dinitrotoluene	4130	420 U	3140	76	61-118	*
2,6-Dinitrotoluene	4130	420 U	3650	88	63-112	*
2-Chloronaphthalene	4130	2000 U	3030	73	63-102	*
2-Chlorophenol	4130	2000 U	2530	61	58-95	
2-Methylnaphthalene	4130	150 J	2710	62	64-102	*
2-Methylphenol	4130	2000 U	2390	58	56-99	
2-Nitroaniline	4130	2000 U	3410	83	46-113	*
2-Nitrophenol	4130	2000 U	2330	56	63-103	*
3,3'-Dichlorobenzidine	4130	820 U	1850	45	18-92	
3-Nitroaniline	4130	2000 U	2630	64	23-89	*
4,6-Dinitro-2-methylphenol	8270	1600 U	2180	26	51-124	*
4-Bromophenyl phenyl ether	4130	2000 U	2730	66	65-114	*
4-Chloro-3-methylphenol	4130	2000 U	2380	58	58-108	
4-Chloroaniline	4130	2000 U	1120 J	27	10-82	
4-Chlorophenyl phenyl ether	4130	2000 U	2820	68	63-107	*
4-Methylphenol	4130	2000 U	2450	59	53-103	
4-Nitroaniline	4130	2000 U	2330	56	44-109	*
4-Nitrophenol	8270	4200 U	4610	56	45-125	*
Acenaphthene	4130	1300 J	4410	74	59-102	*
Acenaphthylene	4130	190 J	3160	72	63-102	*
Acetophenone	4130	2000 U	2890	70	56-107	
Anthracene	4130	2300	5010	67	66-105	*
Atrazine	8270	820 U	7500	91	41-116	*
Benzaldehyde	8270	2000 U	4870	59	55-116	
Benzo[a]anthracene	4130	9500	12200	65	65-106	
Benzo[a]pyrene	4130	10000	13500	80	68-111	
Benzo[b]fluoranthene	4130	12000	15800	80	67-116	
Benzo[g,h,i]perylene	4130	11000	14700	93	49-124	
Benzo[k]fluoranthene	4130	4700	7310	63	65-114	*
Bis(2-chloroethoxy)methane	4130	2000 U	3030	73	61-102	
Bis(2-chloroethyl)ether	4130	200 U	2720	66	58-102	
Bis(2-ethylhexyl) phthalate	4130	2000 U	3170	77	60-125	
Butyl benzyl phthalate	4130	2000 U	2900	70	62-123	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: x11532.D
 Lab ID: 460-109341-A-4-C MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Caprolactam	8270	2000 U	4150	50	44-129	
Carbazole	4130	1400 J	4350	72	62-107	*
Chrysene	4130	11000	15600	100	64-105	
Dibenz (a,h) anthracene	4130	2700	6680	97	54-126	
Dibenzofuran	4130	410 J	3310	70	62-102	*
Diethyl phthalate	4130	2000 U	3500	85	61-110	*
Dimethyl phthalate	4130	2000 U	3620	88	64-108	*
Di-n-butyl phthalate	4130	2000 U	3370	81	62-114	*
Di-n-octyl phthalate	4130	2000 U	2110	51	52-137	*
Fluoranthene	4130	25000	29400	107	59-109	*
Fluorene	4130	1100 J	3880	67	65-108	*
Hexachlorobenzene	4130	200 U	2760	67	65-117	*
Hexachlorobutadiene	4130	420 U	2650	64	60-105	
Hexachlorocyclopentadiene	4130	2000 U	287 J	7	37-119	*
Hexachloroethane	4130	200 U	2480	60	60-94	
Indeno[1,2,3-cd]pyrene	4130	11000	16400	124	50-134	
Isophorone	4130	820 U	3170	77	60-102	
Naphthalene	4130	72 J	2780	66	64-99	
Nitrobenzene	4130	200 U	2610	63	59-102	
N-Nitrosodi-n-propylamine	4130	200 U	2810	68	56-112	
N-Nitrosodiphenylamine	4130	2000 U	3430	83	71-119	*
Pentachlorophenol	8270	1600 U	5380	65	47-115	*
Phenanthrene	4130	12000	15600	94	66-105	*
Phenol	4130	2000 U	2320	56	55-99	
Pyrene	4130	17000	20100	71	55-126	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-109448-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: x11533.D
Lab ID: 460-109341-A-4-D MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1'-Biphenyl	4130	3350	81	9	30	64-103	
1,2,4,5-Tetrachlorobenzene	4130	3080	74	7	30	62-109	
2,2'-oxybis[1-chloropropane]	4130	3030	73	8	30	42-119	
2,3,4,6-Tetrachlorophenol	4130	2200	53	10	30	57-113	*
2,4,5-Trichlorophenol	4130	2590	63	18	30	59-105	
2,4,6-Trichlorophenol	4130	2780	67	12	30	61-107	
2,4-Dichlorophenol	4130	2670	65	15	30	59-99	
2,4-Dimethylphenol	4130	2650	64	19	30	60-98	
2,4-Dinitrophenol	8270	1600 U	0	NC	30	26-137	*
2,4-Dinitrotoluene	4130	3550	86	12	30	61-118	
2,6-Dinitrotoluene	4130	4320	104	17	30	63-112	
2-Chloronaphthalene	4130	3240	78	7	30	63-102	
2-Chlorophenol	4130	2750	66	8	30	58-95	
2-Methylnaphthalene	4130	3070	71	12	30	64-102	
2-Methylphenol	4130	2770	67	15	30	56-99	
2-Nitroaniline	4130	3620	88	6	30	46-113	
2-Nitrophenol	4130	2640	64	13	30	63-103	
3,3'-Dichlorobenzidine	4130	2130	51	14	30	18-92	
3-Nitroaniline	4130	3380	82	25	30	23-89	
4,6-Dinitro-2-methylphenol	8270	2120	26	3	30	51-124	*
4-Bromophenyl phenyl ether	4130	3200	77	16	30	65-114	*
4-Chloro-3-methylphenol	4130	2820	68	17	30	58-108	
4-Chloroaniline	4130	1240 J	30	11	30	10-82	
4-Chlorophenyl phenyl ether	4130	3240	78	14	30	63-107	
4-Methylphenol	4130	2840	69	15	30	53-103	
4-Nitroaniline	4130	2380	58	2	30	44-109	
4-Nitrophenol	8270	4970	60	7	30	45-125	
Acenaphthene	4130	4400	74	0	30	59-102	
Acenaphthylene	4130	3500	80	10	30	63-102	
Acetophenone	4130	3150	76	9	30	56-107	
Anthracene	4130	4930	65	1	30	66-105	*
Atrazine	8270	8900	108	17	30	41-116	*
Benzaldehyde	8270	4810	58	1	30	55-116	
Benzo[a]anthracene	4130	11300	43	8	30	65-106	*
Benzo[a]pyrene	4130	11700	38	14	30	68-111	*
Benzo[b]fluoranthene	4130	13400	22	17	30	67-116	*
Benzo[g,h,i]perylene	4130	12800	47	14	30	49-124	*
Benzo[k]fluoranthene	4130	6750	49	8	30	65-114	*
Bis(2-chloroethoxy)methane	4130	3380	82	11	30	61-102	
Bis(2-chloroethyl)ether	4130	2920	71	7	30	58-102	
Bis(2-ethylhexyl) phthalate	4130	3410	83	7	30	60-125	
Butyl benzyl phthalate	4130	3190	77	9	30	62-123	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: x11533.D
 Lab ID: 460-109341-A-4-D MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Caprolactam	8270	4510	55	8	30	44-129	
Carbazole	4130	4630	79	6	30	62-107	*
Chrysene	4130	13300	45	16	30	64-105	*
Dibenz (a,h) anthracene	4130	6660	96	0	30	54-126	
Dibenzofuran	4130	3480	74	5	30	62-102	
Diethyl phthalate	4130	3810	92	8	30	61-110	
Dimethyl phthalate	4130	3960	96	9	30	64-108	
Di-n-butyl phthalate	4130	3790	92	12	30	62-114	*
Di-n-octyl phthalate	4130	2190	53	3	30	52-137	
Fluoranthene	4130	24600	-9	18	30	59-109	*
Fluorene	4130	4020	71	3	30	65-108	
Hexachlorobenzene	4130	3110	75	12	30	65-117	*
Hexachlorobutadiene	4130	3050	74	14	30	60-105	
Hexachlorocyclopentadiene	4130	192 J	5	40	30	37-119	*
Hexachloroethane	4130	2570	62	4	30	60-94	
Indeno[1,2,3-cd]pyrene	4130	14600	81	12	30	50-134	
Isophorone	4130	3480	84	10	30	60-102	
Naphthalene	4130	3120	74	11	30	64-99	
Nitrobenzene	4130	2990	72	13	30	59-102	
N-Nitrosodi-n-propylamine	4130	3130	76	11	30	56-112	
N-Nitrosodiphenylamine	4130	3970	96	14	30	71-119	*
Pentachlorophenol	8270	5040	61	7	30	47-115	*
Phenanthrene	4130	13400	40	15	30	66-105	*
Phenol	4130	2510	61	8	30	55-99	
Pyrene	4130	16600	-12	19	30	55-126	*

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-109448-1
SDG No.: _____
Lab File ID: x11514.D Lab Sample ID: MB 460-353351/1-A
Matrix: Solid Date Extracted: 03/01/2016 12:43
Instrument ID: CBNAMS5 Date Analyzed: 03/07/2016 19:17
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-353351/2-A	x11515.D	03/07/2016 19:41
	LCS 460-353351/3-A	x11516.D	03/07/2016 20:05
	460-109341-A-4-C MS	x11532.D	03/08/2016 02:21
	460-109341-A-4-D MSD	x11533.D	03/08/2016 02:45
B1	460-109448-1	x11554.D	03/08/2016 12:50

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-109448-1
SDG No.: _____
Lab File ID: x11406.D DFTPP Injection Date: 03/05/2016
Instrument ID: CBNAMS5 DFTPP Injection Time: 12:53
Analysis Batch No.: 354233

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	33.8
68	Less than 2.0 % of mass 69	0.4 (1.3) 1
69	Mass 69 relative abundance	33.5
70	Less than 2.0 % of mass 69	0.2 (0.5) 1
127	40.0 - 60.0 % of mass 198	45.8
197	Less than 1.0 % of mass 198	0.3
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.5
275	10.0 - 30.0 % of mass 198	25.9
365	Greater than 1.0 % of mass 198	3.1
441	Present but less than mass 443	7.9 (85.9) 3
442	Greater than 40.0 % of mass 198	50.1
443	17.0 - 23.0 % of mass 442	9.2 (18.4) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-354233/2	x11407.D	03/05/2016	13:12
	STD120 460-354233/3	x11408.D	03/05/2016	13:44
	STD80 460-354233/4	x11409.D	03/05/2016	14:07
	STD20 460-354233/5	x11410.D	03/05/2016	14:31
	STD10 460-354233/6	x11411.D	03/05/2016	14:54
	STD5 460-354233/7	x11412.D	03/05/2016	15:18
	STD2 460-354233/8	x11413.D	03/05/2016	15:41
	STD1 460-354233/9	x11414.D	03/05/2016	16:04
	STD05 460-354233/10	x11415.D	03/05/2016	16:28
	STD50 460-354233/11	x11416.D	03/05/2016	16:51
	STD120 460-354233/12	x11417.D	03/05/2016	17:15
	STD80 460-354233/13	x11418.D	03/05/2016	17:38
	STD20 460-354233/14	x11419.D	03/05/2016	18:01
	STD10 460-354233/15	x11420.D	03/05/2016	18:25
	STD5 460-354233/16	x11421.D	03/05/2016	18:49
	STD2 460-354233/17	x11422.D	03/05/2016	19:12
	ICV 460-354233/18	x11423.D	03/05/2016	19:36
	ICV 460-354233/19	x11424.D	03/05/2016	19:59

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-109448-1
SDG No.: _____
Lab File ID: x11508.D DFTPP Injection Date: 03/07/2016
Instrument ID: CBNAMS5 DFTPP Injection Time: 16:45
Analysis Batch No.: 354522

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	37.4
68	Less than 2.0 % of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	35.0
70	Less than 2.0 % of mass 69	0.2 (0.6) 1
127	40.0 - 60.0 % of mass 198	48.9
197	Less than 1.0 % of mass 198	0.3
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.9
275	10.0 - 30.0 % of mass 198	26.6
365	Greater than 1.0 % of mass 198	3.6
441	Present but less than mass 443	8.2 (86.3) 3
442	Greater than 40.0 % of mass 198	48.5
443	17.0 - 23.0 % of mass 442	9.5 (19.7) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-354522/2	x11509.D	03/07/2016	17:09
	CCV 460-354522/3	x11510.D	03/07/2016	17:38
	MB 460-353351/1-A	x11514.D	03/07/2016	19:17
	LCS 460-353351/2-A	x11515.D	03/07/2016	19:41
	LCS 460-353351/3-A	x11516.D	03/07/2016	20:05
	460-109341-A-4-C MS	x11532.D	03/08/2016	02:21
	460-109341-A-4-D MSD	x11533.D	03/08/2016	02:45

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Lab File ID: x11548.D DFTPP Injection Date: 03/08/2016
 Instrument ID: CBNAMS5 DFTPP Injection Time: 10:04
 Analysis Batch No.: 354619

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	38.3
68	Less than 2.0 % of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	35.7
70	Less than 2.0 % of mass 69	0.1 (0.3) 1
127	40.0 - 60.0 % of mass 198	49.8
197	Less than 1.0 % of mass 198	0.4
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.8
275	10.0 - 30.0 % of mass 198	27.5
365	Greater than 1.0 % of mass 198	3.4
441	Present but less than mass 443	7.5 (84.3) 3
442	Greater than 40.0 % of mass 198	50.7
443	17.0 - 23.0 % of mass 442	8.9 (17.6) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-354619/2	x11549.D	03/08/2016	10:20
	CCV 460-354619/3	x11550.D	03/08/2016	11:31
B1	460-109448-1	x11554.D	03/08/2016	12:50

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Sample No.: ICIS 460-354233/2 Date Analyzed: 03/05/2016 13:12
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x11407.D Heated Purge: (Y/N) N
 Calibration ID: 54727

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		889448	4.17	2827159	5.45	1258627	7.20
UPPER LIMIT		1778896	4.67	5654318	5.95	2517254	7.70
LOWER LIMIT		444724	3.67	1413580	4.95	629314	6.70
LAB SAMPLE ID		CLIENT SAMPLE ID					
ICV 460-354233/18		986469	4.17	3195400	5.45	1408219	7.20
ICV 460-354233/19		1057871	4.17	3660036	5.45	1758564	7.19

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = \pm 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Sample No.: ICIS 460-354233/2 Date Analyzed: 03/05/2016 13:12
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x11407.D Heated Purge: (Y/N) N
 Calibration ID: 54727

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	1609701	8.65	949512	11.37	733153	13.24	
UPPER LIMIT	3219402	9.15	1899024	11.87	1466306	13.74	
LOWER LIMIT	804851	8.15	474756	10.87	366577	12.74	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-354233/18		1839760	8.65	1098517	11.37	809345	13.25
ICV 460-354233/19		2453249	8.65	1314276	11.37	873954	13.25

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = \pm 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Sample No.: CCVIS 460-354522/2 Date Analyzed: 03/07/2016 17:09
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x11509.D Heated Purge: (Y/N) N
 Calibration ID: 54722

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1091266	4.12	3532370	5.41	1576234	7.15
UPPER LIMIT		2182532	4.62	7064740	5.91	3152468	7.65
LOWER LIMIT		545633	3.62	1766185	4.91	788117	6.65
LAB SAMPLE ID		CLIENT SAMPLE ID					
MB 460-353351/1-A		1208068	4.12	4464127	5.39	2304625	7.14
LCS 460-353351/2-A		1049267	4.12	3678982	5.40	1715664	7.15
LCS 460-353351/3-A		1230371	4.12	4526745	5.39	2309964	7.14
460-109341-A-4-C MS		615042	4.12	1908452	5.40	728522*	7.14
460-109341-A-4-D MSD		679449	4.12	2043448	5.40	835163	7.14

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = \pm 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Sample No.: CCVIS 460-354522/2 Date Analyzed: 03/07/2016 17:09
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x11509.D Heated Purge: (Y/N) N
 Calibration ID: 54722

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		2067582	8.61	1127434	11.32	769412	13.18
UPPER LIMIT		4135164	9.11	2254868	11.82	1538824	13.68
LOWER LIMIT		1033791	8.11	563717	10.82	384706	12.68
LAB SAMPLE ID		CLIENT SAMPLE ID					
MB 460-353351/1-A		3445705	8.60	2068405	11.31	1418614	13.18
LCS 460-353351/2-A		2311996	8.60	1392649	11.31	1028592	13.18
LCS 460-353351/3-A		3378640	8.60	2154713	11.31	1531858	13.18
460-109341-A-4-C MS		894466*	8.60	624918	11.31	752908	13.18
460-109341-A-4-D MSD		1021909*	8.60	738371	11.31	928373	13.18

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = \pm 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Sample No.: CCVIS 460-354619/2 Date Analyzed: 03/08/2016 10:20
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x11549.D Heated Purge: (Y/N) N
 Calibration ID: 54722

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	1050654	4.06	3524483	5.34	1640456	7.08
UPPER LIMIT	2101308	4.56	7048966	5.84	3280912	7.58
LOWER LIMIT	525327	3.56	1762242	4.84	820228	6.58
LAB SAMPLE ID	CLIENT SAMPLE ID					
460-109448-1	B1		1245625	4.06	4627277	5.33
					2501404	7.07

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = \pm 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Sample No.: CCVIS 460-354619/2 Date Analyzed: 03/08/2016 10:20
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x11549.D Heated Purge: (Y/N) N
 Calibration ID: 54722

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	2019391	8.53	1081569	11.22	842993	13.06
UPPER LIMIT	4038782	9.03	2163138	11.72	1685986	13.56
LOWER LIMIT	1009696	8.03	540785	10.72	421497	12.56
LAB SAMPLE ID	CLIENT SAMPLE ID					
460-109448-1	B1		3690684	8.52	1659262	11.21
					1041803	13.06

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = \pm 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109448-1</u>
SDG No.: _____	
Client Sample ID: <u>B1</u>	Lab Sample ID: <u>460-109448-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x11554.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>02/26/2016 11:40</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>03/01/2016 12:43</u>
Sample wt/vol: <u>15.0365(g)</u>	Date Analyzed: <u>03/08/2016 12:50</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>9.1</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>354619</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	360	U	360	31
95-94-3	1,2,4,5-Tetrachlorobenzene	360	U	360	27
108-60-1	2,2'-oxybis[1-chloropropane]	360	U	360	15
58-90-2	2,3,4,6-Tetrachlorophenol	360	U	360	34
95-95-4	2,4,5-Trichlorophenol	360	U	360	36
88-06-2	2,4,6-Trichlorophenol	150	U	150	10
120-83-2	2,4-Dichlorophenol	150	U	150	8.6
105-67-9	2,4-Dimethylphenol	360	U	360	80
51-28-5	2,4-Dinitrophenol	290	U	290	270
121-14-2	2,4-Dinitrotoluene	74	U	74	14
606-20-2	2,6-Dinitrotoluene	74	U	74	19
91-58-7	2-Chloronaphthalene	360	U	360	8.2
95-57-8	2-Chlorophenol	360	U	360	9.2
91-57-6	2-Methylnaphthalene	360	U	360	8.0
95-48-7	2-Methylphenol	360	U	360	16
88-74-4	2-Nitroaniline	360	U	360	12
88-75-5	2-Nitrophenol	360	U	360	12
91-94-1	3,3'-Dichlorobenzidine	150	U	150	40
99-09-2	3-Nitroaniline	360	U	360	11
534-52-1	4,6-Dinitro-2-methylphenol	290	U	290	97
101-55-3	4-Bromophenyl phenyl ether	360	U	360	11
59-50-7	4-Chloro-3-methylphenol	360	U	360	16
106-47-8	4-Chloroaniline	360	U	360	9.3
7005-72-3	4-Chlorophenyl phenyl ether	360	U	360	11
106-44-5	4-Methylphenol	360	U	360	9.9
100-01-6	4-Nitroaniline	360	U	360	14
100-02-7	4-Nitrophenol	740	U	740	170
83-32-9	Acenaphthene	360	U	360	8.8
208-96-8	Acenaphthylene	360	U	360	9.3
98-86-2	Acetophenone	360	U	360	7.9
120-12-7	Anthracene	360	U	360	34
1912-24-9	Atrazine	150	U	150	16
100-52-7	Benzaldehyde	360	U	360	28
56-55-3	Benzo[a]anthracene	36	U	36	30

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109448-1</u>
SDG No.: _____	
Client Sample ID: <u>B1</u>	Lab Sample ID: <u>460-109448-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x11554.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>02/26/2016 11:40</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>03/01/2016 12:43</u>
Sample wt/vol: <u>15.0365(g)</u>	Date Analyzed: <u>03/08/2016 12:50</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>9.1</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>354619</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	22	J	36	11
205-99-2	Benzo[b]fluoranthene	31	J	36	14
191-24-2	Benzo[g,h,i]perylene	360	U	360	21
207-08-9	Benzo[k]fluoranthene	36	U	36	16
111-91-1	Bis(2-chloroethoxy)methane	360	U	360	11
111-44-4	Bis(2-chloroethyl)ether	36	U	36	8.6
117-81-7	Bis(2-ethylhexyl) phthalate	360	U	360	14
85-68-7	Butyl benzyl phthalate	360	U	360	11
105-60-2	Caprolactam	360	U	360	26
86-74-8	Carbazole	360	U	360	9.0
218-01-9	Chrysene	25	J	360	9.9
53-70-3	Dibenz(a,h)anthracene	36	U	36	19
132-64-9	Dibenzofuran	360	U	360	11
84-66-2	Diethyl phthalate	360	U	360	10
131-11-3	Dimethyl phthalate	360	U	360	11
84-74-2	Di-n-butyl phthalate	360	U	360	11
117-84-0	Di-n-octyl phthalate	360	U	360	18
206-44-0	Fluoranthene	29	J	360	11
86-73-7	Fluorene	360	U	360	7.9
118-74-1	Hexachlorobenzene	36	U	36	15
87-68-3	Hexachlorobutadiene	74	U	74	10
77-47-4	Hexachlorocyclopentadiene	360	U	360	23
67-72-1	Hexachloroethane	36	U	36	13
193-39-5	Indeno[1,2,3-cd]pyrene	36	U	36	24
78-59-1	Isophorone	150	U	150	7.8
91-20-3	Naphthalene	360	U	360	9.2
98-95-3	Nitrobenzene	36	U	36	11
621-64-7	N-Nitrosodi-n-propylamine	36	U	36	12
86-30-6	N-Nitrosodiphenylamine	360	U	360	33
87-86-5	Pentachlorophenol	290	U	290	44
85-01-8	Phenanthrene	9.7	J	360	9.7
108-95-2	Phenol	360	U	360	12
129-00-0	Pyrene	31	J	360	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109448-1</u>
SDG No.: _____	
Client Sample ID: <u>B1</u>	Lab Sample ID: <u>460-109448-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x11554.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>02/26/2016 11:40</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>03/01/2016 12:43</u>
Sample wt/vol: <u>15.0365(g)</u>	Date Analyzed: <u>03/08/2016 12:50</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>9.1</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>354619</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	54		10-95
321-60-8	2-Fluorobiphenyl	56		27-84
367-12-4	2-Fluorophenol (Surr)	49		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	58		28-92
4165-62-2	Phenol-d5 (Surr)	57		22-88
1718-51-0	Terphenyl-d14 (Surr)	77		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160308-38136.b\11554.D
 Lims ID: 460-109448-A-1-B Lab Sample ID: 460-109448-1
 Client ID: B1
 Sample Type: Client
 Inject. Date: 08-Mar-2016 12:50:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038136-007
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160308-38136.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 08-Mar-2016 16:33:02 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: szczecha

Date: 08-Mar-2016 16:33:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	2.864	2.794	0.070	96	1017716	24.7	
\$ 6 Phenol-d5	99	3.711	3.723	-0.012	88	1296433	28.3	
* 14 1,4-Dichlorobenzene-d4	152	4.064	4.046	0.018	95	1245625	40.0	
\$ 26 Nitrobenzene-d5	82	4.611	4.623	-0.012	88	1250025	28.8	
* 38 Naphthalene-d8	136	5.329	5.323	0.006	99	4627277	40.0	
\$ 51 2-Fluorobiphenyl	172	6.417	6.423	-0.006	98	2872143	28.0	
* 65 Acenaphthene-d10	164	7.070	7.070	0.000	91	2501404	40.0	
\$ 80 2,4,6-Tribromophenol	330	7.846	7.852	-0.006	93	291322	26.8	
* 88 Phenanthrene-d10	188	8.523	8.523	0.000	98	3690684	40.0	
89 Phenanthrene	178	8.546	8.552	-0.006	91	13826	0.1324	
93 Fluoranthene	202	9.705	9.711	-0.006	99	35639	0.3963	
95 Pyrene	202	9.929	9.934	-0.006	98	29931	0.4280	
\$ 96 Terphenyl-d14	244	10.093	10.093	0.000	98	1981309	38.3	
101 Benzo[a]anthracene	228	11.199	11.205	-0.006	95	16913	0.3336	
* 102 Chrysene-d12	240	11.211	11.211	0.000	99	1659262	40.0	
103 Chrysene	228	11.240	11.246	-0.006	97	14997	0.3357	
106 Benzo[b]fluoranthene	252	12.552	12.552	0.000	98	13174	0.4259	
107 Benzo[k]fluoranthene	252	12.581	12.587	-0.006	1	5407	0.1623	
108 Benzo[a]pyrene	252	12.975	12.981	-0.006	98	8443	0.2961	
* 109 Perylene-d12	264	13.058	13.058	0.000	99	1041803	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.481	14.493	-0.012	96	5767	0.2467	
111 Dibenz(a,h)anthracene	278	14.511	14.522	-0.011	24	1579	0.0671	
112 Benzo[g,h,i]perylene	276	14.852	14.869	-0.017	84	5283	0.2080	

Reagents:

SM_ISTD_00102 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160308-38136.b\\x11554.D

Injection Date: 08-Mar-2016 12:50:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: 460-109448-A-1-B

Lab Sample ID: 460-109448-1

Worklist Smp#: 7

Client ID: B1

Injection Vol: 1.0 ul

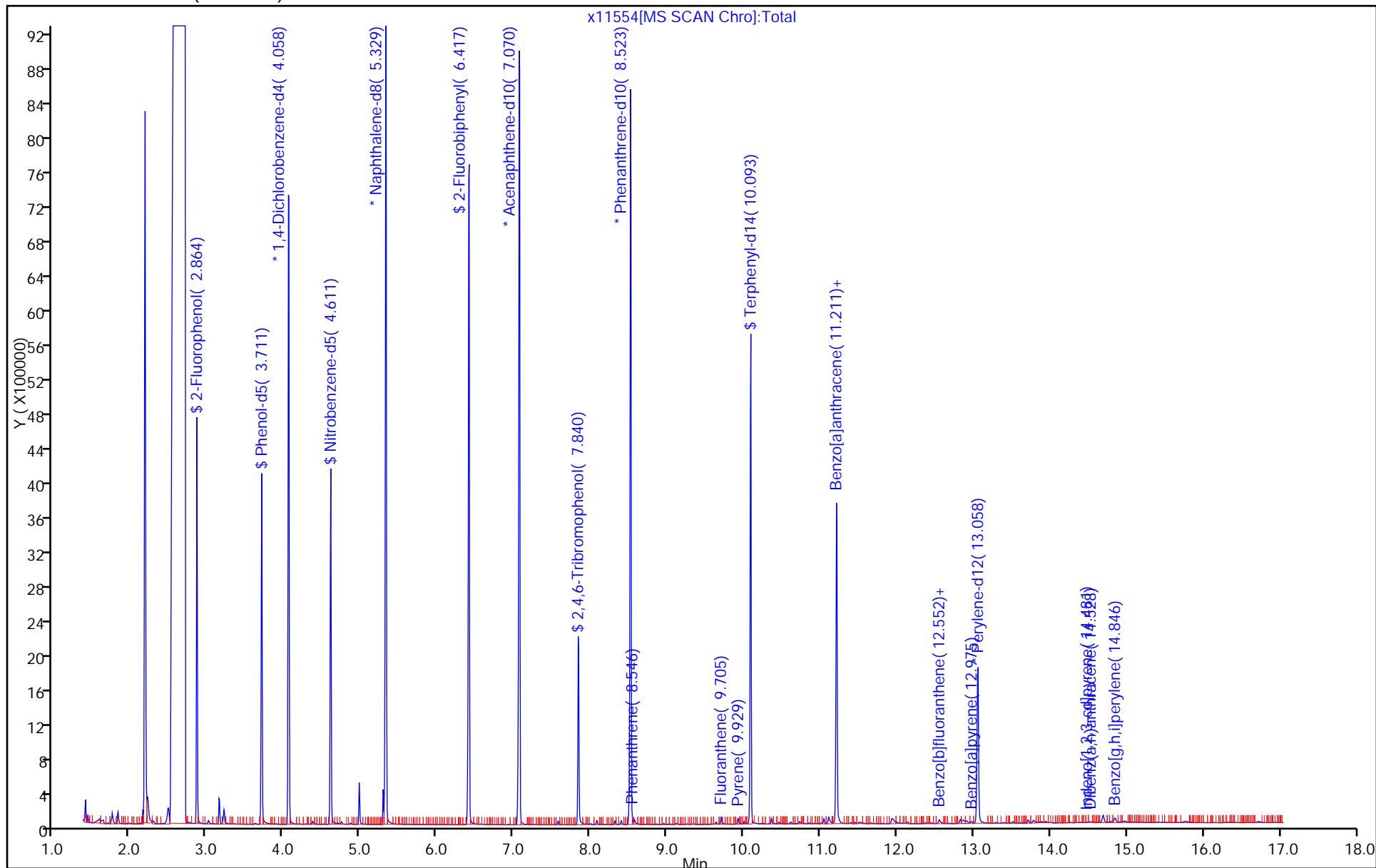
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160308-38136.b\11554.D

Injection Date: 08-Mar-2016 12:50:30

Instrument ID: CBNAMS5

Lims ID: 460-109448-A-1-B

Lab Sample ID: 460-109448-1

Client ID: B1

Operator ID:

ALS Bottle#:

Worklist Smp#: 7

Injection Vol: 1.0 ul

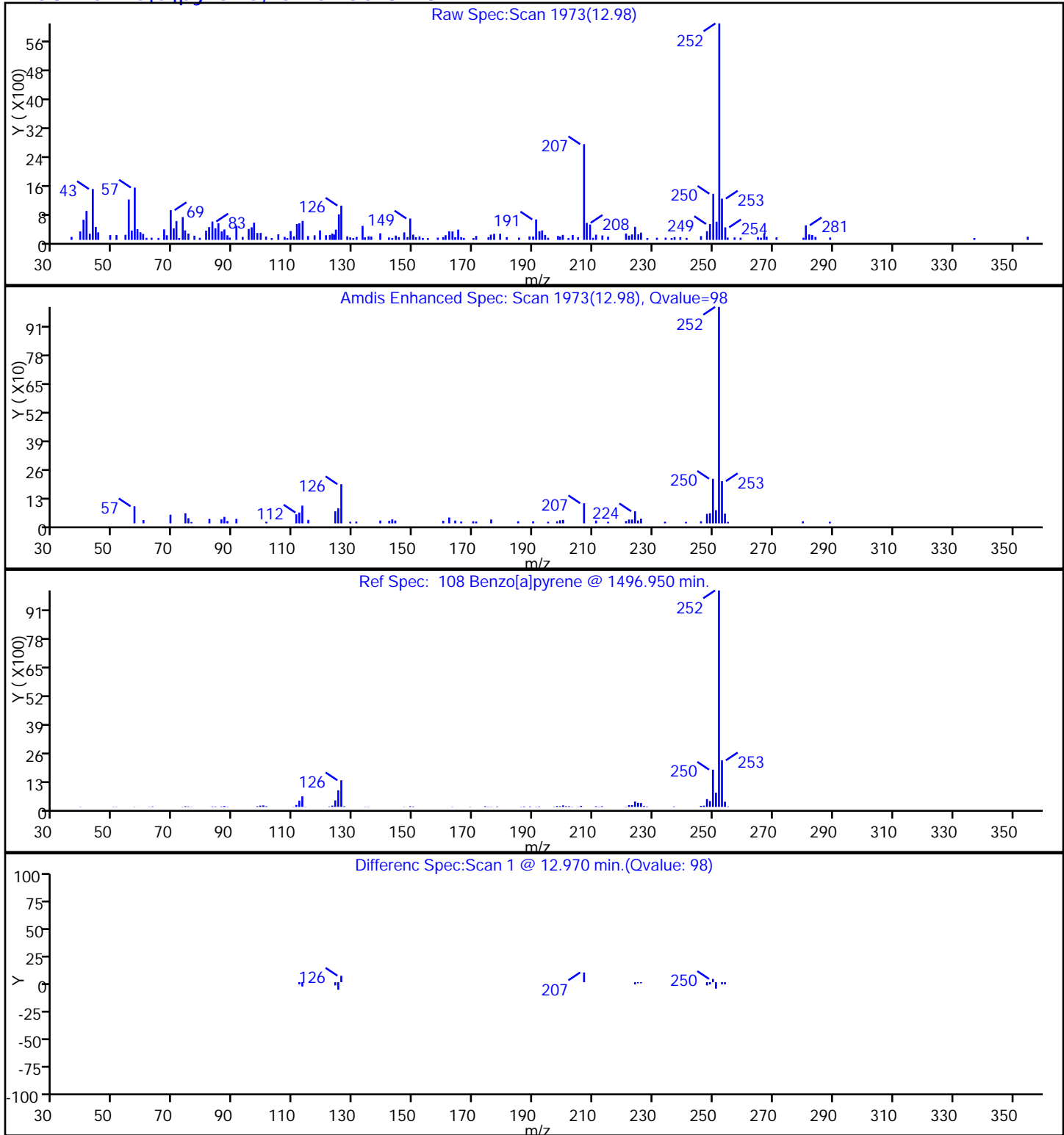
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160308-38136.b\11554.D

Injection Date: 08-Mar-2016 12:50:30

Instrument ID: CBNAMS5

Lims ID: 460-109448-A-1-B

Lab Sample ID: 460-109448-1

Client ID: B1

Operator ID:

ALS Bottle#:

7

Worklist Smp#:

7

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

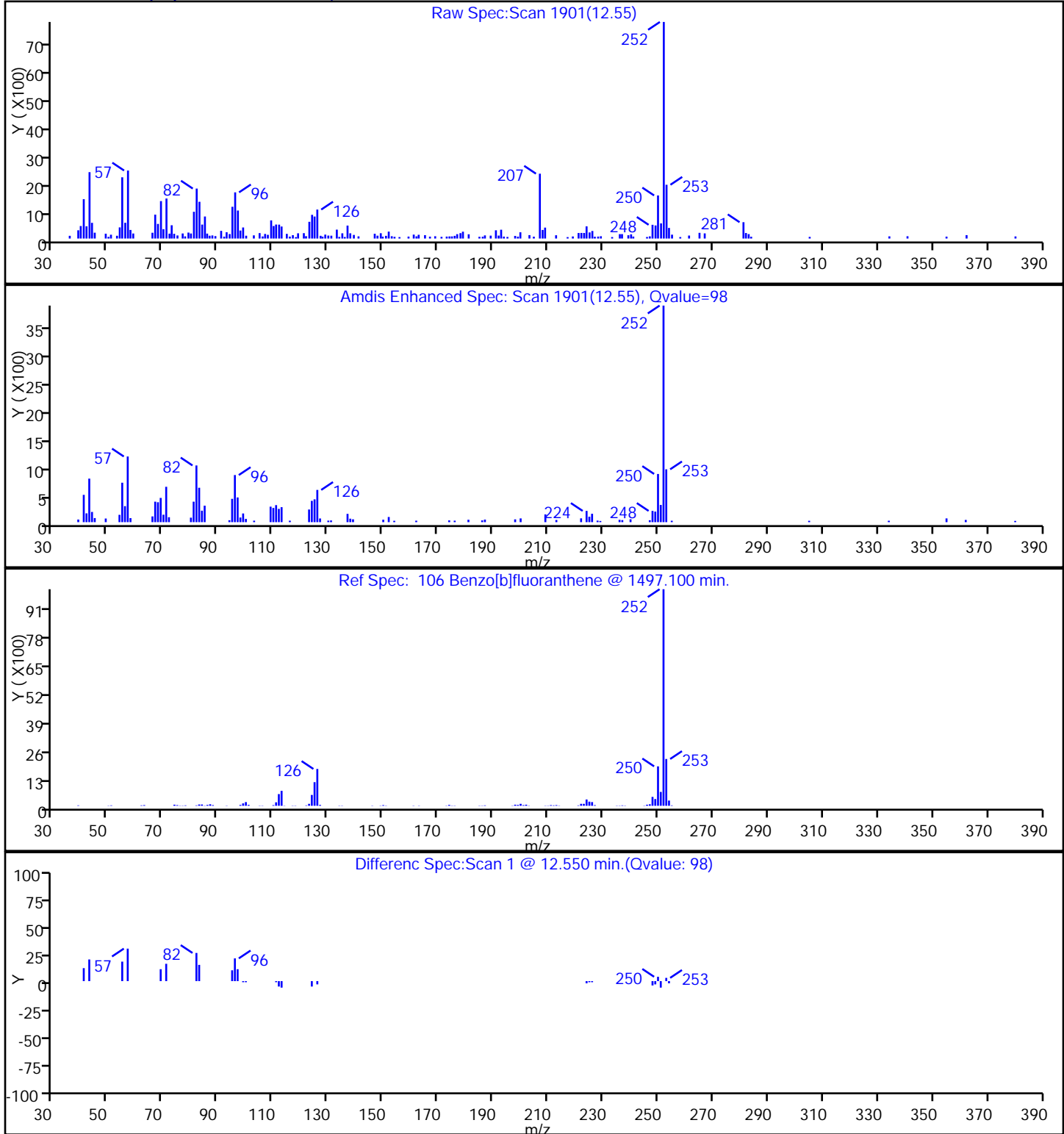
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160308-38136.b\11554.D

Injection Date: 08-Mar-2016 12:50:30

Instrument ID: CBNAMS5

Lims ID: 460-109448-A-1-B

Lab Sample ID: 460-109448-1

Client ID: B1

Operator ID:

ALS Bottle#: 7

Worklist Smp#: 7

Injection Vol: 1.0 ul

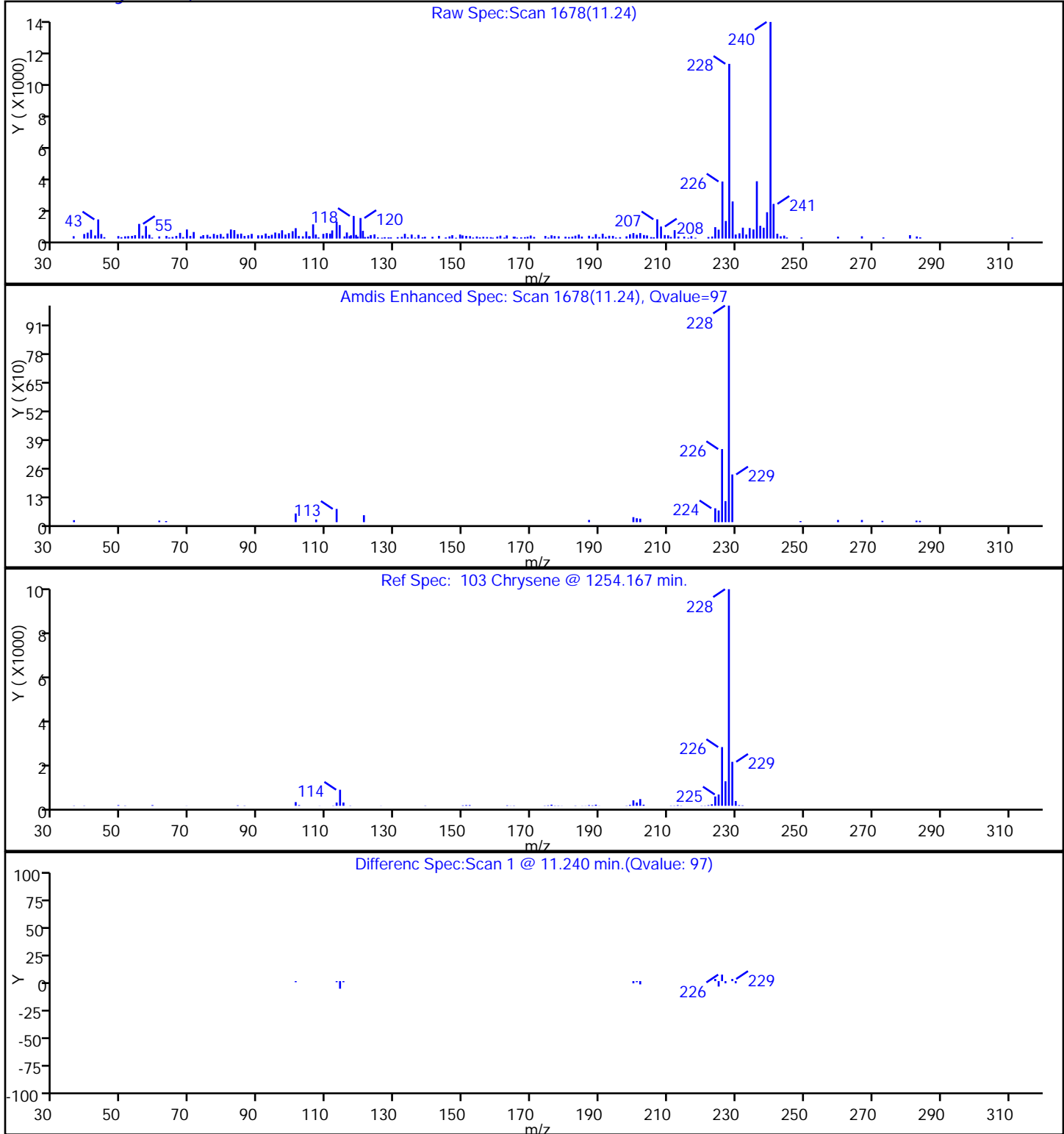
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160308-38136.b\11554.D

Injection Date: 08-Mar-2016 12:50:30

Instrument ID: CBNAMS5

Lims ID: 460-109448-A-1-B

Lab Sample ID: 460-109448-1

Client ID: B1

Operator ID:

ALS Bottle#:

7

Worklist Smp#:

7

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

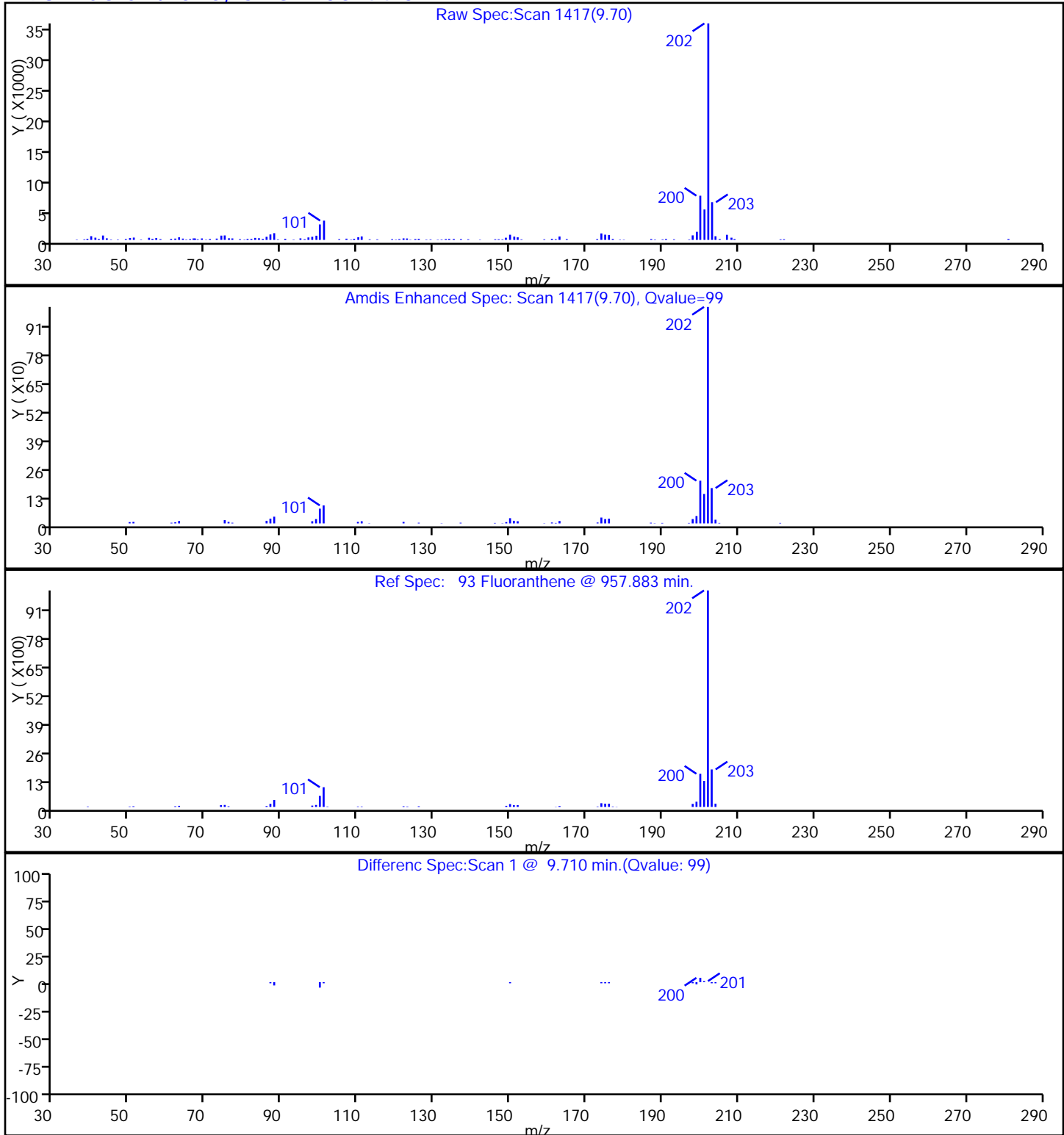
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

93 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160308-38136.b\11554.D

Injection Date: 08-Mar-2016 12:50:30

Instrument ID: CBNAMS5

Lims ID: 460-109448-A-1-B

Lab Sample ID: 460-109448-1

Client ID: B1

Operator ID:

ALS Bottle#:

Worklist Smp#: 7

Injection Vol: 1.0 ul

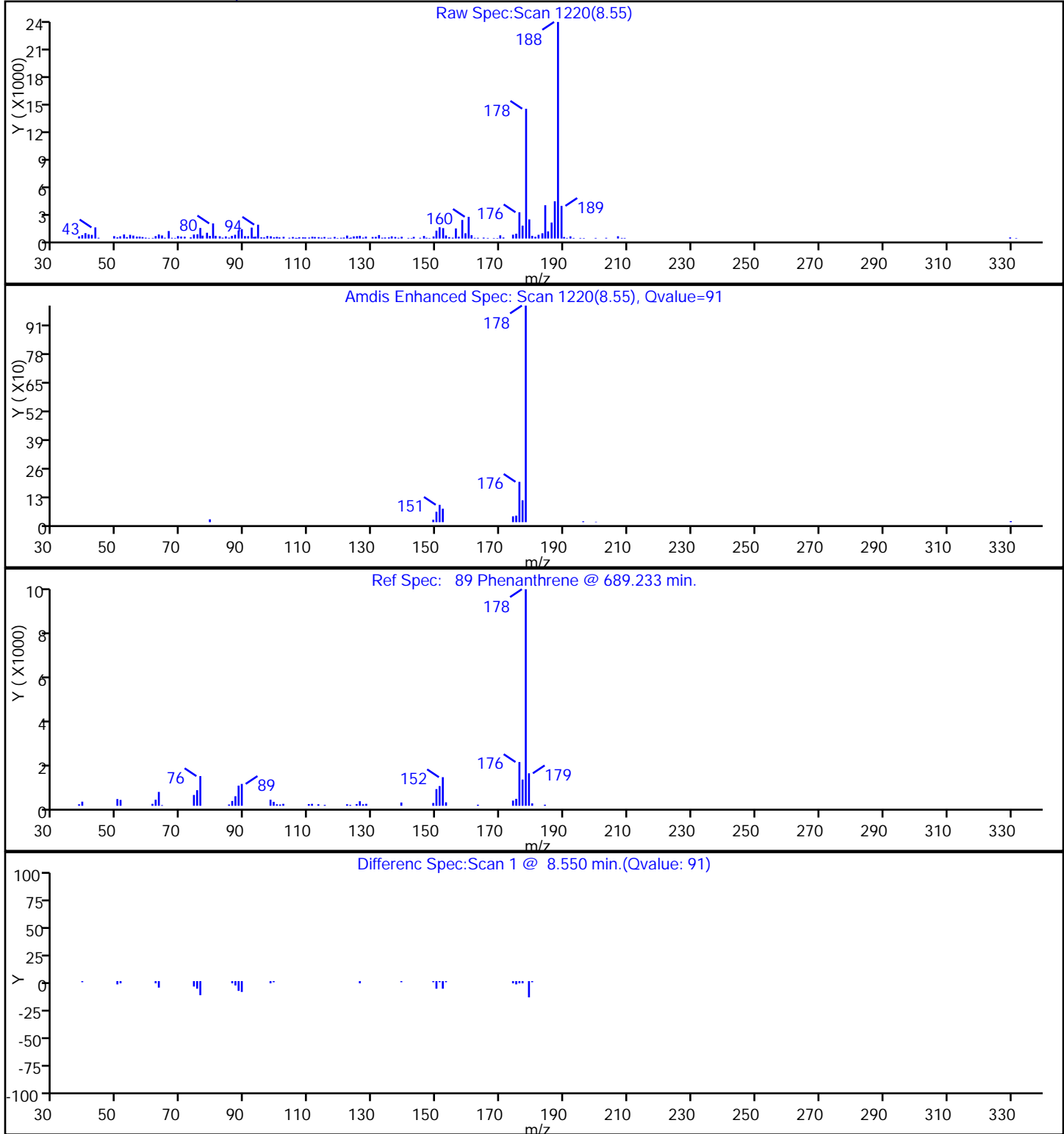
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160308-38136.b\11554.D

Injection Date: 08-Mar-2016 12:50:30

Instrument ID: CBNAMS5

Lims ID: 460-109448-A-1-B

Lab Sample ID: 460-109448-1

Client ID: B1

Operator ID:

ALS Bottle#: 7

Worklist Smp#: 7

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

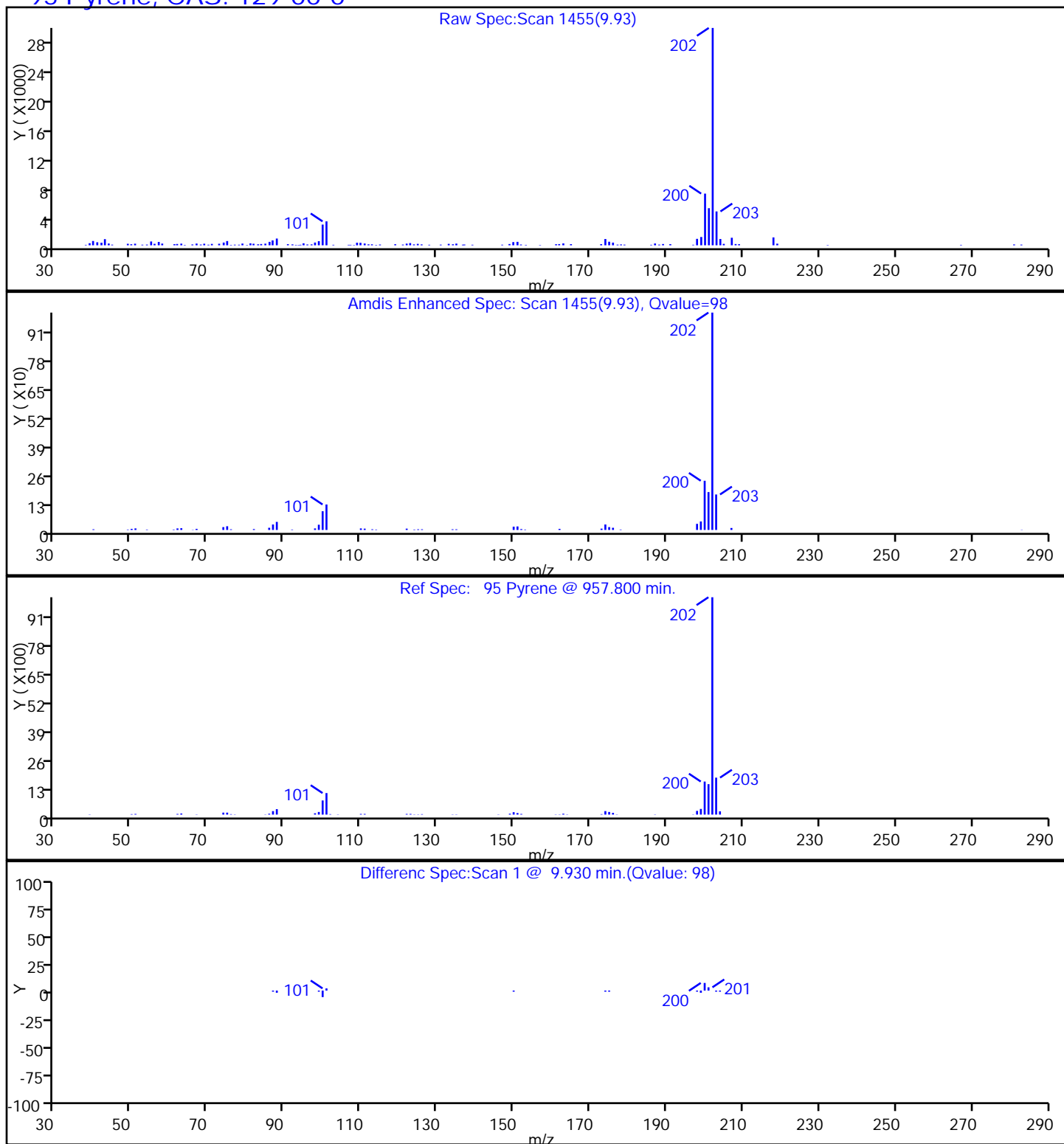
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

95 Pyrene, CAS: 129-00-0



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-109448-1 Analy Batch No.: 354233

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/05/2016 13:12 Calibration End Date: 03/05/2016 16:28 Calibration ID: 54727

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-354233/10	x11415.D
Level 2	STD1 460-354233/9	x11414.D
Level 3	STD2 460-354233/8	x11413.D
Level 4	STD5 460-354233/7	x11412.D
Level 5	STD10 460-354233/6	x11411.D
Level 6	STD20 460-354233/5	x11410.D
Level 7	ICIS 460-354233/2	x11407.D
Level 8	STD80 460-354233/4	x11409.D
Level 9	STD120 460-354233/3	x11408.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.5001	0.4883	0.4929	0.4838 0.5472	0.4984	Ave		0.5018				4.6		20.0			
N-Nitrosodimethylamine	0.6543	0.6336	0.6386	0.6424 0.6971	0.6693	Ave		0.6559				3.6		20.0			
Pyridine	1.1543	1.1199	1.1001	1.1006 1.2193	1.1651	Ave		1.1432				4.0		20.0			
Phenol	1.5869	1.4979	1.4464	1.6267 1.5090	1.6687	Ave		1.5559		0.8000		5.5		20.0			
Aniline	1.7955	1.7183	1.6956	1.8041 1.7661	1.8604	Ave		1.7734				3.4		20.0			
Bis(2-chloroethyl)ether	1.2285 1.1420	1.1912 1.1107	1.1293 1.1112	1.1554 1.2571	1.1735	Ave		1.1665		0.7000		4.4		20.0			
2-Chlorophenol	1.3743	1.3088	1.2705	1.3899 1.3256	1.4124	Ave		1.3469		0.8000		4.0		20.0			
n-Decane	1.3045	1.1755	1.0860	1.3526 1.1899	1.3342	Ave		1.2405				8.5		20.0			
1,3-Dichlorobenzene	1.5991	1.5260	1.5065	1.5843 1.5899	1.6121	Ave		1.5697				2.7		20.0			
1,4-Dichlorobenzene	1.5759	1.5276	1.5107	1.6056 1.5703	1.6436	Ave		1.5723				3.1		20.0			
Benzyl alcohol	0.7154	0.7287	0.7068	0.7156 0.7458	0.7512	Ave		0.7273				2.5		20.0			
1,2-Dichlorobenzene	1.5033	1.4048	1.3885	1.5161 1.4636	1.5393	Ave		1.4693				4.2		20.0			
2-Methylphenol	1.0587	1.0106	0.9870	1.0788 1.0202	1.1132	Ave		1.0448		0.7000		4.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-109448-1 Analy Batch No.: 354233
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/05/2016 13:12 Calibration End Date: 03/05/2016 16:28 Calibration ID: 54727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	1.3754	1.2461	1.1306	1.4874 1.1975	1.4692	Ave		1.3177			0.0100	11.2		20.0			
Acetophenone	1.4691	1.4188	1.3698	1.5434 1.4565	1.5674	Ave		1.4708			0.0100	5.1		20.0			
N-Nitrosodi-n-propylamine	0.8328 0.7387	0.8470 0.7047	0.7763 0.6749	0.7698 0.7263	0.7597	Ave		0.7589			0.5000	7.4		20.0			
3 & 4 Methylphenol	1.1206	1.0114	0.9624	1.2278 0.9944	1.2180	Ave		1.0891				10.7		20.0			
4-Methylphenol	1.1206	1.0114	0.9624	1.2278 0.9944	1.2180	Ave		1.0891			0.6000	10.7		20.0			
Hexachloroethane	0.6026 0.5838	0.5857 0.5563	0.5658 0.5374	0.5783 0.5668	0.5887	Ave		0.5739			0.3000	3.4		20.0			
Nitrobenzene	0.4771 0.4864	0.4858 0.4832	0.4681 0.4556	0.4791 0.4792	0.4984	Ave		0.4792			0.2000	2.5		20.0			
n,n'-Dimethylaniline	1.8799 1.7814	1.8453 1.7291	1.8737 1.6147	1.8392 1.7231	1.8444	Ave		1.7923				4.9		20.0			
Isophorone	0.5462	0.5349	0.5625 0.5118	0.5516 0.5204	0.5824	Ave		0.5443			0.4000	4.5		20.0			
2-Nitrophenol	0.1931	0.1897	0.1860	0.1903 0.1955	0.1964	Ave		0.1918			0.1000	2.0		20.0			
2,4-Dimethylphenol	0.3157	0.3068	0.2926	0.3196 0.3102	0.3331	Ave		0.3130			0.2000	4.3		20.0			
Bis(2-chloroethoxy)methane	0.3582	0.3494	0.3323	0.3545 0.3578	0.3712	Ave		0.3539			0.3000	3.6		20.0			
Benzoic acid	0.1261	0.1425	0.1532	0.0717 0.1567	0.1020	Lin2	-0.437	0.1538			0.0100				0.9970		0.9900
2,4-Dichlorophenol	0.3142	0.3049	0.3119 0.2936	0.3099 0.3071	0.3257	Ave		0.3096			0.2000	3.2		20.0			
1,2,4-Trichlorobenzene	0.3830 0.3589	0.3763 0.3523	0.3800 0.3490	0.3635 0.3670	0.3674	Ave		0.3664				3.2		20.0			
Naphthalene	1.0415	1.0080	0.9708	1.0517 1.0202	1.0819	Ave		1.0290			0.7000	3.7		20.0			
4-Chloroaniline	0.4048	0.3856	0.3688	0.4127 0.3892	0.4270	Ave		0.3980			0.0100	5.3		20.0			
Hexachlorobutadiene	0.2282 0.2274	0.2282 0.2346	0.2210 0.2263	0.2195 0.2367	0.2282	Ave		0.2277			0.0100	2.6		20.0			
4-Chloro-3-methylphenol	0.2576	0.2541	0.2397	0.2636 0.2550	0.2751	Ave		0.2575			0.2000	4.5		20.0			
2-Methylnaphthalene	0.6882	0.6738	0.6366	0.7105 0.6687	0.7299	Ave		0.6846			0.4000	4.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-109448-1 Analy Batch No.: 354233
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/05/2016 13:12 Calibration End Date: 03/05/2016 16:28 Calibration ID: 54727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1-Methylnaphthalene	0.5903	0.5717	0.5441	0.6118 0.5629	0.6311	Ave		0.5853				5.5		20.0			
Hexachlorocyclopentadiene	0.4082	0.4758	0.4854	0.3028 0.5244	0.3631	Ave		0.4266			0.0500	19.6		20.0			
1,2,4,5-Tetrachlorobenzene	0.7472	0.7606	0.7562	0.7192 0.7952	0.7338	Ave		0.7520			0.0100	3.5		20.0			
2-tertbutyl-4-methylphenol	0.4735	0.4614	0.4252	0.4831 0.4502	0.4894	Ave		0.4638				5.1		20.0			
2,4,6-Trichlorophenol	0.4402	0.4441	0.3995 0.4309	0.4084 0.4598	0.4446	Ave		0.4325			0.2000	5.0		20.0			
2,4,5-Trichlorophenol	0.4513	0.4472	0.4419	0.4254 0.4625	0.4548	Ave		0.4472			0.2000	2.9		20.0			
1,1'-Biphenyl	1.7131	1.6677	1.6360	1.6973 1.7065	1.7398	Ave		1.6934			0.0100	2.2		20.0			
2-Chloronaphthalene	1.2944	1.2573	1.2303	1.3343 1.2813	1.3189	Ave		1.2861			0.8000	3.0		20.0			
Phenyl ether	0.9243	0.9061	0.8781	0.9165 0.9488	0.9172	Ave		0.9152				2.5		20.0			
2-Nitroaniline	0.3752	0.3760	0.3564	0.3726 0.3856	0.3871	Ave		0.3755			0.0100	2.9		20.0			
1,3-Dimethylnaphthalene	1.0563	1.0166	0.9171	1.0757 0.9782	1.0755	Ave		1.0199				6.2		20.0			
Dimethyl phthalate	1.1565	1.1342	1.1119	1.1879 1.1560	1.2039	Ave		1.1584			0.0100	2.9		20.0			
Coumarin	0.1598	0.1513	0.1417	0.1707 0.1499	0.1683	Ave		0.1569				7.2		20.0			
2,6-Dinitrotoluene	0.2784	0.2701 0.2741	0.2677 0.2679	0.2812 0.2729	0.2872	Ave		0.2749			0.2000	2.5		20.0			
Acenaphthylene	1.8457	1.7861	1.7237	1.8317 1.7973	1.8866	Ave		1.8118			0.9000	3.1		20.0			
3-Nitroaniline	0.2663	0.2616	0.2582	0.2632 0.2665	0.2710	Ave		0.2645			0.0100	1.7		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.3435	1.3792	1.2979	1.2665 1.3282	1.2960	Ave		1.3186				3.0		20.0			
Acenaphthene	1.1106	1.1139	1.0606	1.1425 1.0792	1.1622	Ave		1.1115			0.9000	3.4		20.0			
2,4-Dinitrophenol	0.1092	0.1247	0.0222 0.1431	0.0581 +++++	0.0906	Qua	-0.354	0.1031	0.0002625		0.0100				1.0000		0.9900
4-Nitrophenol	0.1503	0.1572	0.1601	0.1267 0.1753	0.1507	Ave		0.1534			0.0100	10.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-109448-1 Analy Batch No.: 354233

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/05/2016 13:12 Calibration End Date: 03/05/2016 16:28 Calibration ID: 54727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,4-Dinitrotoluene	0.3207	0.2885 0.3223	0.2903 0.3109	0.3099 0.3216	0.3321	Ave		0.3120			0.2000	5.0		20.0			
Dibenzofuran	1.6769	1.6391	1.5830	1.6672 1.6382	1.7291	Ave		1.6556			0.8000	2.9		20.0			
2,3,4,6-Tetrachlorophenol	0.3043	0.3204	0.3155	0.2811 0.3323	0.3031	Ave		0.3095			0.0100	5.7		20.0			
Diethyl phthalate	1.0949	1.0809	1.0202	1.0840 1.0736	1.1173	Ave		1.0785			0.0100	3.0		20.0			
Fluorene	1.2647	1.2614	1.2241	1.2857 1.2302	1.3033	Ave		1.2616			0.9000	2.4		20.0			
4-Chlorophenyl phenyl ether	0.6375	0.6513	0.6333	0.6511 0.6237	0.6539	Ave		0.6418			0.4000	1.9		20.0			
4-Nitroaniline	0.2215	0.2231	0.2215	0.2084 0.2298	0.2264	Ave		0.2218			0.0100	3.3		20.0			
4,6-Dinitro-2-methylphenol	0.1165	0.1229	0.0498 0.1324	0.0814 0.1457	0.1066	Lin2	-0.349	0.1301			0.0100				0.9920		0.9900
N-Nitrosodiphenylamine	0.6669	0.6577	0.6769 0.6206	0.6496 0.6814	0.6657	Ave		0.6598			0.0100	3.1		20.0			
1,2-Diphenylhydrazine	0.7683	0.7764	0.7247	0.7464 0.8151	0.7695	Ave		0.7667				4.0		20.0			
4-Bromophenyl phenyl ether	0.2748	0.2846	0.2769	0.2566 0.3089	0.2652	Ave		0.2778			0.1000	6.5		20.0			
Hexachlorobenzene	0.2597 0.2856	0.2718 0.2969	0.2721 0.2918	0.2621 0.3246	0.2733	Ave		0.2820			0.1000	7.2		20.0			
Pentachlorophenol	0.1360	0.1561	0.0660 0.1628	0.0987 0.1832	0.1203	Qua	-0.294	0.1342	0.0002069		0.0500				1.0000		0.9900
Pentachloronitrobenzene	0.1016	0.1085	0.0945	0.0955 0.1036	0.1005	Ave		0.1007			0.0100	5.2		20.0			
n-Octadecane	0.5759	0.5654	0.5127	0.5231 0.5856	0.5555	Ave		0.5530				5.3		20.0			
Phenanthrene	1.1445	1.1236	1.0798	1.1282 1.1824	1.1328	Ave		1.1319			0.7000	2.9		20.0			
Anthracene	1.1356	1.1330	1.0947	1.1340 1.1804	1.1468	Ave		1.1374			0.7000	2.4		20.0			
Carbazole	0.8904	0.8931	0.8565	0.8616 0.9294	0.8971	Ave		0.8880			0.0100	3.0		20.0			
Di-n-butyl phthalate	1.0455	1.0530	1.0015	1.0013 1.1095	1.0244	Ave		1.0392			0.0100	3.9		20.0			
Fluoranthene	0.9656	1.0076	0.9636	0.9184 1.0384	0.9544	Ave		0.9747			0.6000	4.3		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-109448-1 Analy Batch No.: 354233
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/05/2016 13:12 Calibration End Date: 03/05/2016 16:28 Calibration ID: 54727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Benzidine	0.3483	0.3685	0.4415	0.2928 0.4537	0.3182	Ave		0.3705				17.6		20.0			
Pyrene	1.7017	1.6473	1.6112	1.7262 1.6791	1.7489	Ave		1.6857			0.6000	3.0		20.0			
Bisphenol-A	0.5715	0.5718	0.6201	0.6022 0.6203	0.5919	Ave		0.5963				3.7		20.0			
Butyl benzyl phthalate	0.5863	0.5858	0.5664	0.5462 0.5972	0.5736	Ave		0.5759			0.0100	3.1		20.0			
2,3,7,8-TCDD		0.1448				Ave		0.1448						20.0			
Carbamazepine	0.3948	0.4406	0.4456	0.2755 0.4837	0.3378	Ave		0.3963				19.6		20.0			
3,3'-Dichlorobenzidine	0.3865	0.4029	0.3035 0.4448	0.3361 0.4443	0.3497	Ave		0.3811			0.0100	14.2		20.0			
Benzo[a]anthracene	1.3415 1.1713	1.2919 1.1998	1.2204 1.2029	1.1397 1.2527	1.1784	Ave		1.2221			0.8000	5.2		20.0			
Chrysene	1.0729	1.0799	1.0798	1.0561 1.1067	1.0671	Ave		1.0771			0.7000	1.6		20.0			
Bis(2-ethylhexyl) phthalate	0.7685	0.7731	0.7546	0.6977 0.8061	0.7409	Ave		0.7568			0.0100	4.8		20.0			
Di-n-octyl phthalate	1.4727	1.5170	1.4731	1.3524 1.6075	1.4845	Ave		1.4845			0.0100	5.5		20.0			
Benzo[b]fluoranthene	1.0863 1.1798	1.1211 1.2335	1.1514 1.2429	1.1320 1.3573	1.1852	Ave		1.1877			0.7000	6.9		20.0			
Benzo[k]fluoranthene	1.2486 1.3461	1.2458 1.2999	1.2045 1.2747	1.2397 1.3410	1.3085	Ave		1.2788			0.7000	3.8		20.0			
Benzo[a]pyrene	1.0462 1.1043	1.0083 1.1393	1.0396 1.1600	1.0381 1.2454	1.0729	Ave		1.0949			0.7000	6.9		20.0			
Indeno[1,2,3-cd]pyrene	0.6875 0.9395	0.7389 1.0120	0.7767 1.0372	0.8870 1.1178	0.8821	Ave		0.8976			0.5000	16.1		20.0			
Dibenz(a,h)anthracene	0.7498 0.9474	0.7450 0.9977	0.7814 1.0310	0.8445 1.1408	0.8895	Ave		0.9030			0.4000	15.2		20.0			
Benzo[g,h,i]perylene	0.9489	0.9854	1.0306	0.8681 1.1251	0.8929	Ave		0.9752			0.5000	9.7		20.0			
2-Fluorophenol (Surr)	1.2591	1.1625 1.3294	1.3568 1.2505	1.3246 1.5403	1.3638	Ave		1.3234				8.3		20.0			
Phenol-d5 (Surr)	1.3967	1.4160 1.4561	1.5467 1.3471	1.5329 1.5894	1.4900	Ave		1.4719				5.6		20.0			
Nitrobenzene-d5 (Surr)	0.3487 0.3532	0.3505 0.3856	0.3899 0.3584	0.3825 0.4294	0.3831	Ave		0.3757				6.9		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-109448-1 Analy Batch No.: 354233

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/05/2016 13:12 Calibration End Date: 03/05/2016 16:28 Calibration ID: 54727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9													
2-Fluorobiphenyl	1.4932 1.5629	1.5013 1.6809	1.7551 1.5936	1.6677 1.8618	1.6401	Ave		1.6396				7.3		20.0			
2,4,6-Tribromophenol (Surr)	0.1603	0.1313 0.1907	0.1609 0.1878	0.1633 0.2253	0.1686	Ave		0.1735				16.0		20.0			
Terphenyl-d14 (Surr)	1.1380 1.1624	1.1776 1.2621	1.3589 1.2200	1.2561 1.4235	1.2133	Ave		1.2457				7.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-109448-1 Analy Batch No.: 354233

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/05/2016 13:12 Calibration End Date: 03/05/2016 16:28 Calibration ID: 54727

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-354233/10	x11415.D
Level 2	STD1 460-354233/9	x11414.D
Level 3	STD2 460-354233/8	x11413.D
Level 4	STD5 460-354233/7	x11412.D
Level 5	STD10 460-354233/6	x11411.D
Level 6	STD20 460-354233/5	x11410.D
Level 7	ICIS 460-354233/2	x11407.D
Level 8	STD80 460-354233/4	x11409.D
Level 9	STD120 460-354233/3	x11408.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Ave	234211	542949	901205	63149 1268481	126500	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCB	Ave	306390	704477	1167666	83841 1615921	169870	20.0	50.0	80.0	5.00 120	10.0
Pyridine	DCB	Ave	540537	1245106	2011472	143655 2826429	295703	20.0	50.0	80.0	5.00 120	10.0
Phenol	DCB	Ave	743128	1665394	2644533	212316 3498019	423525	20.0	50.0	80.0	5.00 120	10.0
Aniline	DCB	Ave	840818	1910456	3100290	235475 4093935	472183	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCB	Ave	15624 534767	32061 1234858	59404 2031674	150799 2914010	297846	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCB	Ave	643571	1455107	2323010	181406 3072883	358481	20.0	50.0	80.0	5.00 120	10.0
n-Decane	DCB	Ave	610897	1306956	1985608	176543 2758301	338619	20.0	50.0	80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCB	Ave	748853	1696665	2754418	206786 3685434	409155	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCB	Ave	737963	1698447	2762219	209560 3640155	417148	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCB	Ave	335006	810221	1292335	93394 1728861	190651	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCB	Ave	703961	1561831	2538786	197877 3392624	390680	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCB	Ave	495787	1123590	1804698	140800 2364871	282528	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	644094	1385439	2067112	194133 2775851	372892	20.0	50.0	80.0	5.00 120	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-109448-1 Analy Batch No.: 354233
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/05/2016 13:12 Calibration End Date: 03/05/2016 16:28 Calibration ID: 54727

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Acetophenone	DCB	Ave	687947	1577399	2504482	201440 3376133	397822	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCB	Ave	10591 345941	22798 783445	40836 1233926	100471 1683491	192824	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
3 & 4 Methylphenol	DCB	Ave	524750	1124463	1759669	160255 2305084	309121	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCB	Ave	524750	1124463	1759669	160255 2305084	309121	20.0	50.0	80.0	5.00 120	10.0
Hexachloroethane	DCB	Ave	7663 273377	15764 618540	29760 982510	75476 1313759	149413	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	NPT	Ave	20376 743794	44674 1707555	82771 2646840	209668 3476835	414891	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCB	Ave	23908 834197	49665 1922442	98559 2952257	240048 3994154	468126	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	99465 835105	241437 1890472	484848 2973487	3776263	163463	20.0	50.0	80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	295197	670391	1080527	83268 1418879	163463	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	482785	1084190	1700129	139863 2250712	277272	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	547734	1234588	1930537	155135 2596464	309009	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Lin2	192839	503742	889852	31374 1136745	84932	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	480489	1077445	1705975	55151 135653 2228339	271172	20.0	50.0	2.00 80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	16357 548745	34604 1244918	67200 2027836	159073 2662867	305877	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	1592522	3562048	5640028	460302 7402203	900664	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	618889	1362644	2142447	180632 2824345	355450	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	347711	20983 828950	39085 1314608	96047 1717527	190008	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
4-Chloro-3-methylphenol	NPT	Ave	393819	898082	1392399	115373 1850178	229053	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	1052267	2381036	3698467	310954 4852192	607610	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	902649	2020369	3161374	267753 4084614	525369	20.0	50.0	80.0	5.00 120	10.0
Hexachlorocyclopentadiene	ANT	Ave	279236	748493	1222799	61617 1632606	140976	20.0	50.0	80.0	5.00 120	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-109448-1 Analy Batch No.: 354233

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/05/2016 13:12 Calibration End Date: 03/05/2016 16:28 Calibration ID: 54727

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,2,4,5-Tetrachlorobenzene	ANT	Ave	511156	1196592	1905079	146323 2475786	284900	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	723944	1630682	2470374	211452 3266429	407414	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	301170	698706	33861 1085444	83090 1431635	172616	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	308769	703568	1113164	86542 1439962	176570	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	1171969	2623792	4121361	345325 5312813	675448	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	885502	1978050	3099292	271485 3988876	512063	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	632293	1425500	2211959	186481 2953814	356092	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	256693	591522	897700	75816 1200472	150300	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	722636	1599325	2310209	218871 3045279	417544	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	791198	1784401	2801047	241698 3598998	467402	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	244342	534726	823353	74696 1087366	140113	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	190425	11914 431247	22693 674803	57217 849545	111501	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	1262660	2810017	4342255	372676 5595586	732446	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	182155	411615	650563	53550 829546	105205	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	919088	2169947	3269616	257688 4135049	503147	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	759784	1752502	2671856	232458 3359909	451205	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Qua	149373	392425	3758 721102	23661 +++++	70379	40.0	100	4.00 160	10.0 +++++	20.0
4-Nitrophenol	ANT	Ave	205669	494608	806846	51542 1091301	117018	40.0	100	160	10.0 240	20.0
2,4-Dinitrotoluene	ANT	Ave	219376	12725 507112	24605 783118	63044 1001162	128917	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenzofuran	ANT	Ave	1147187	2578752	3987819	339201 5100028	671316	20.0	50.0	80.0	5.00 120	10.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	208180	504126	794881	57193 1034545	117657	20.0	50.0	80.0	5.00 120	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-109448-1 Analy Batch No.: 354233

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/05/2016 13:12 Calibration End Date: 03/05/2016 16:28 Calibration ID: 54727

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Diethyl phthalate	ANT	Ave	749048	1700499	2570053	220547 3342300	433784	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	865231	1984500	3083748	261599 3829988	505980	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	436109	1024678	1595344	132469 1941805	253875	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	151504	351074	557997	42396 715560	87916	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Lin2	202928	494524	11359 870445	43588 1120715	109532	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	1161299	2646676	154543 4079863	347877 5242937	683979	40.0	100	4.00 160	10.0 240	20.0
1,2-Diphenylhydrazine	PHN	Ave	668916	1562219	2382036	199851 3135914	395324	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	239262	572630	910286	68711 1188241	136258	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	7054 248688	16477 597347	31058 959120	70188 1248960	140397	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Pentachlorophenol	PHN	Qua	236855	628368	15058 1069970	52830 1409473	123598	40.0	100	4.00 160	10.0 240	20.0
Pentachloronitrobenzene	PHN	Ave	88465	218406	310499	25558 398634	51617	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	501373	1137700	1685268	140053 2252866	285371	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	996423	2260871	3549059	302065 4548956	581973	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	988640	2279658	3598058	303629 4541312	589158	20.0	50.0	80.0	5.00 120	10.0
Carbazole	PHN	Ave	775219	1796986	2815055	230697 3575820	460910	20.0	50.0	80.0	5.00 120	10.0
Di-n-butyl phthalate	PHN	Ave	910250	2118719	3291878	268101 4268471	526266	20.0	50.0	80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	840637	2027379	3167248	245896 3995166	490332	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	Ave	303264	741450	1451096	78402 1745623	163487	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	826196	1955128	3087298	241812 3965319	488421	20.0	50.0	80.0	5.00 120	10.0
Bisphenol-A	CRY	Ave	277466	678636	1188218	84362 1464877	165304	20.0	50.0	80.0	5.00 120	10.0
Butyl benzyl phthalate	CRY	Ave	284662	695302	1085348	76511 1410375	160191	20.0	50.0	80.0	5.00 120	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-109448-1 Analy Batch No.: 354233

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/05/2016 13:12 Calibration End Date: 03/05/2016 16:28 Calibration ID: 54727

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,3,7,8-TCDD	CRY	Ave		1719					0.500			
Carbamazepine	CRY	Ave	191681	522910	853838	1142267	94349	20.0	50.0	80.0	5.00 120	10.0
3,3'-Dichlorobenzidine	CRY	Ave	187627	478235	852380	1049342	97668	20.0	50.0	80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Ave	19601 568646	41213 1424017	72372 2304932	159658 2958415	329100	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Chrysene	CRY	Ave	520890	1281741	2069072	147938 2613610	297993	20.0	50.0	80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	373085	917541	1445876	97734 1903541	206903	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	532634	1390238	2202347	131171 2919013	287372	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	10617 426673	24120 1130450	46777 1858247	109793 2464703	229449	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	12203 486826	26803 1191309	48934 1905812	120244 2435082	253310	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	10225 399396	21692 1044067	42235 1734205	100693 2261461	207702	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	6719 339767	15897 927472	31556 1550613	86030 2029828	170755	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenz(a,h)anthracene	PRY	Ave	7328 342629	16029 914346	31745 1541410	81910 2071528	172188	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[g,h,i]perylene	PRY	Ave	343193	903076	1540876	84201 2043031	172856	20.0	50.0	80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCB	Ave	589600	1478023	2286427	31289 71370 172885 3570584	346137	20.0	50.0	80.0	5.00 120	10.0
Phenol-d5 (Surr)	DCB	Ave	654072	1618880	2463000	38113 81362 200075 3684325	378175	20.0	50.0	80.0	5.00 120	10.0
Nitrobenzene-d5 (Surr)	NPT	Ave	14892 540049	32229 1362564	68949 2082471	167404 3115451	318925	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	30563 1069188	66216 2644464	148775 4014466	339301 5796420	636751	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	109695	300060	473058	5790 13642 32331 701376	65475	20.0	50.0	80.0	5.00 120	10.0
Terphenyl-d14 (Surr)	CRY	Ave	16627 564329	37567 1497943	80584 2337610	175966 3361635	338822	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-109448-1 Analy Batch No.: 354233
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/05/2016 13:12 Calibration End Date: 03/05/2016 16:28 Calibration ID: 54727

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11407.D
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 7
 Inject. Date: 05-Mar-2016 13:12:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038056-002
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Mar-2016 01:49:59 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: szczecha

Date: 05-Mar-2016 13:55:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.550	1.550	0.000	96	542949	50.0	48.7	
2 N-Nitrosodimethylamine	74	1.773	1.773	0.000	82	704477	50.0	48.3	
3 Pyridine	79	1.797	1.797	0.000	90	1245106	50.0	49.0	
\$ 4 2-Fluorophenol	112	2.897	2.897	0.000	96	1478023	50.0	50.2	
\$ 6 Phenol-d5	99	3.826	3.826	0.000	94	1618880	50.0	49.5	
7 Phenol	94	3.838	3.838	0.000	97	1665394	50.0	48.1	
8 Aniline	93	3.844	3.844	0.000	92	1910456	50.0	48.4	
9 Bis(2-chloroethyl)ether	93	3.914	3.914	0.000	98	1234858	50.0	47.6	
10 Benzonitrile	103	3.938	3.938	0.000	66	2378655	NC	NC	
11 2-Chlorophenol	128	3.967	3.967	0.000	97	1455107	50.0	48.6	
12 n-Decane	43	4.020	4.020	0.000	86	1306956	50.0	47.4	
13 1,3-Dichlorobenzene	146	4.114	4.114	0.000	96	1696665	50.0	48.6	
* 14 1,4-Dichlorobenzene-d4	152	4.173	4.173	0.000	95	889448	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.191	4.191	0.000	95	1698447	50.0	48.6	
16 Benzyl alcohol	108	4.320	4.320	0.000	92	810221	50.0	50.1	
17 1,2-Dichlorobenzene	146	4.338	4.338	0.000	95	1561831	50.0	47.8	
18 2-Methylphenol	108	4.438	4.438	0.000	91	1123590	50.0	48.4	
19 2,2'-oxybis[1-chloropropan	45	4.450	4.450	0.000	91	1385439	50.0	47.3	
20 N-Methylaniline	106	4.573	4.573	0.000	88	1852201	NC	NC	
21 Acetophenone	105	4.585	4.585	0.000	96	1577399	50.0	48.2	
22 N-Nitrosodi-n-propylamine	70	4.591	4.591	0.000	89	783445	50.0	46.4	
24 4-Methylphenol	108	4.602	4.602	0.000	92	1124463	50.0	46.4	
23 3 & 4 Methylphenol	108	4.602	4.602	0.000	96	1124463	50.0	46.4	
25 Hexachloroethane	117	4.679	4.679	0.000	91	618540	50.0	48.5	
\$ 26 Nitrobenzene-d5	82	4.732	4.732	0.000	89	1362564	50.0	51.3	
28 Nitrobenzene	77	4.755	4.755	0.000	93	1707555	50.0	50.4	
27 n,n'-Dimethylaniline	120	4.755	4.755	0.000	93	1922442	50.0	48.2	
31 Isophorone	82	5.002	5.002	0.000	98	1890472	50.0	49.1	
32 2-Nitrophenol	139	5.067	5.067	0.000	91	670391	50.0	49.4	
33 2,4-Dimethylphenol	122	5.126	5.126	0.000	91	1084190	50.0	49.0	
34 Bis(2-chloroethoxy)methane	93	5.214	5.214	0.000	100	1234588	50.0	49.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.273	5.273	0.000	90	503742	50.0	49.2	
36 2,4-Dichlorophenol	162	5.314	5.314	0.000	96	1077445	50.0	49.2	
37 1,2,4-Trichlorobenzene	180	5.397	5.397	0.000	94	1244918	50.0	48.1	
* 38 Naphthalene-d8	136	5.449	5.449	0.000	99	2827159	40.0	40.0	
39 Naphthalene	128	5.473	5.473	0.000	100	3562048	50.0	49.0	
40 4-Chloroaniline	127	5.532	5.532	0.000	96	1362644	50.0	48.4	
41 Hexachlorobutadiene	225	5.602	5.602	0.000	96	828950	50.0	51.5	
43 4-Chloro-3-methylphenol	107	6.026	6.026	0.000	96	898082	50.0	49.3	
44 2-Methylnaphthalene	142	6.161	6.161	0.000	86	2381036	50.0	49.2	
45 1-Methylnaphthalene	142	6.261	6.261	0.000	93	2020369	50.0	48.8	
46 Hexachlorocyclopentadiene	237	6.332	6.332	0.000	97	748493	50.0	55.8	
47 1,2,4,5-Tetrachlorobenzene	216	6.338	6.338	0.000	99	1196592	50.0	50.6	
48 2-tertbutyl-4-methylphenol	149	6.373	6.373	0.000	91	1630682	50.0	49.7	
49 2,4,6-Trichlorophenol	196	6.449	6.449	0.000	91	698706	50.0	51.3	
50 2,4,5-Trichlorophenol	196	6.485	6.485	0.000	98	703568	50.0	50.0	
\$ 51 2-Fluorobiphenyl	172	6.532	6.532	0.000	98	2644464	50.0	51.3	
52 1,1'-Biphenyl	154	6.632	6.632	0.000	94	2623792	50.0	49.2	
53 2-Chloronaphthalene	162	6.649	6.649	0.000	97	1978050	50.0	48.9	
54 Phenyl ether	170	6.732	6.732	0.000	84	1425500	50.0	49.5	
56 2-Nitroaniline	65	6.749	6.749	0.000	98	591522	50.0	50.1	
57 1,3-Dimethylnaphthalene	156	6.867	6.867	0.000	91	1599325	50.0	49.8	
58 Dimethyl phthalate	163	6.943	6.943	0.000	99	1784401	50.0	49.0	
59 Coumarin	146	6.955	6.955	0.000	78	534726	50.0	48.2	
60 2,6-Dinitrotoluene	165	6.996	6.996	0.000	96	431247	50.0	49.8	
61 Acenaphthylene	152	7.055	7.055	0.000	97	2810017	50.0	49.3	
64 3-Nitroaniline	138	7.161	7.161	0.000	97	411615	50.0	49.5	
* 65 Acenaphthene-d10	164	7.196	7.196	0.000	92	1258627	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.226	7.226	0.000	96	2169947	50.0	52.3	
67 Acenaphthene	154	7.226	7.226	0.000	93	1752502	50.0	50.1	
68 2,4-Dinitrophenol	184	7.261	7.261	0.000	95	392425	100.0	99.3	
69 4-Nitrophenol	65	7.338	7.338	0.000	90	494608	100.0	102.5	
70 2,4-Dinitrotoluene	165	7.390	7.390	0.000	96	507112	50.0	51.7	
71 Dibenzofuran	168	7.396	7.396	0.000	95	2578752	50.0	49.5	
72 2,3,4,6-Tetrachlorophenol	232	7.520	7.520	0.000	95	504126	50.0	51.8	
73 Diethyl phthalate	149	7.638	7.638	0.000	99	1700499	50.0	50.1	
75 Fluorene	166	7.732	7.732	0.000	95	1984500	50.0	50.0	
74 4-Chlorophenyl phenyl ethe	204	7.732	7.732	0.000	80	1024678	50.0	50.7	
76 4-Nitroaniline	138	7.761	7.761	0.000	87	351074	50.0	50.3	
77 4,6-Dinitro-2-methylphenol	198	7.796	7.796	0.000	89	494524	100.0	97.1	
78 N-Nitrosodiphenylamine	169	7.855	7.855	0.000	66	2646676	100.0	99.7	
79 1,2-Diphenylhydrazine	77	7.890	7.890	0.000	96	1562219	50.0	50.6	
\$ 80 2,4,6-Tribromophenol	330	7.973	7.973	0.000	93	300060	50.0	55.0	
81 4-Bromophenyl phenyl ether	248	8.214	8.214	0.000	94	572630	50.0	51.2	
83 Hexachlorobenzene	284	8.279	8.279	0.000	96	597347	50.0	52.6	
85 Pentachlorophenol	266	8.473	8.473	0.000	93	628368	100.0	102.4	
86 Pentachloronitrobenzene	237	8.485	8.485	0.000	89	218406	50.0	53.9	
87 n-Octadecane	57	8.561	8.561	0.000	92	1137700	50.0	51.1	
* 88 Phenanthrene-d10	188	8.649	8.649	0.000	98	1609701	40.0	40.0	
89 Phenanthrene	178	8.673	8.673	0.000	97	2260871	50.0	49.6	
90 Anthracene	178	8.720	8.720	0.000	99	2279658	50.0	49.8	
91 Carbazole	167	8.879	8.879	0.000	96	1796986	50.0	50.3	
92 Di-n-butyl phthalate	149	9.232	9.232	0.000	99	2118719	50.0	50.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	9.837	9.837	0.000	99	2027379	50.0	51.7	
94 Benzidine	184	9.967	9.967	0.000	99	741450	50.0	49.7	
95 Pyrene	202	10.061	10.061	0.000	99	1955128	50.0	48.9	
82 Bisphenol-A	213	10.108	10.108	0.000	99	678636	50.0	47.9	
\$ 96 Terphenyl-d14	244	10.214	10.214	0.000	98	1497943	50.0	50.7	
97 Butyl benzyl phthalate	149	10.731	10.731	0.000	96	695302	50.0	50.9	
98 2,3,7,8-TCDD	320	10.831	10.831	0.000	87	1719	0.5000	0.5000	
99 Carbamazepine	193	10.843	10.843	0.000	93	522910	50.0	55.6	
100 3,3'-Dichlorobenzidine	252	11.331	11.331	0.000	99	478235	50.0	52.9	
101 Benzo[a]anthracene	228	11.355	11.355	0.000	97	1424017	50.0	49.1	
* 102 Chrysene-d12	240	11.367	11.367	0.000	99	949512	40.0	40.0	
103 Chrysene	228	11.402	11.402	0.000	99	1281741	50.0	50.1	
104 Bis(2-ethylhexyl) phthalat	149	11.408	11.408	0.000	88	917541	50.0	51.1	
105 Di-n-octyl phthalate	149	12.249	12.249	0.000	97	1390238	50.0	51.1	
106 Benzo[b]fluoranthene	252	12.731	12.731	0.000	98	1130450	50.0	51.9	
107 Benzo[k]fluoranthene	252	12.767	12.767	0.000	99	1191309	50.0	50.8	
108 Benzo[a]pyrene	252	13.167	13.167	0.000	99	1044067	50.0	52.0	
* 109 Perylene-d12	264	13.243	13.243	0.000	99	733153	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.714	14.714	0.000	98	927472	50.0	56.4	
111 Dibenz(a,h)anthracene	278	14.749	14.749	0.000	98	914346	50.0	55.2	
112 Benzo[g,h,i]perylene	276	15.108	15.108	0.000	97	903076	50.0	50.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

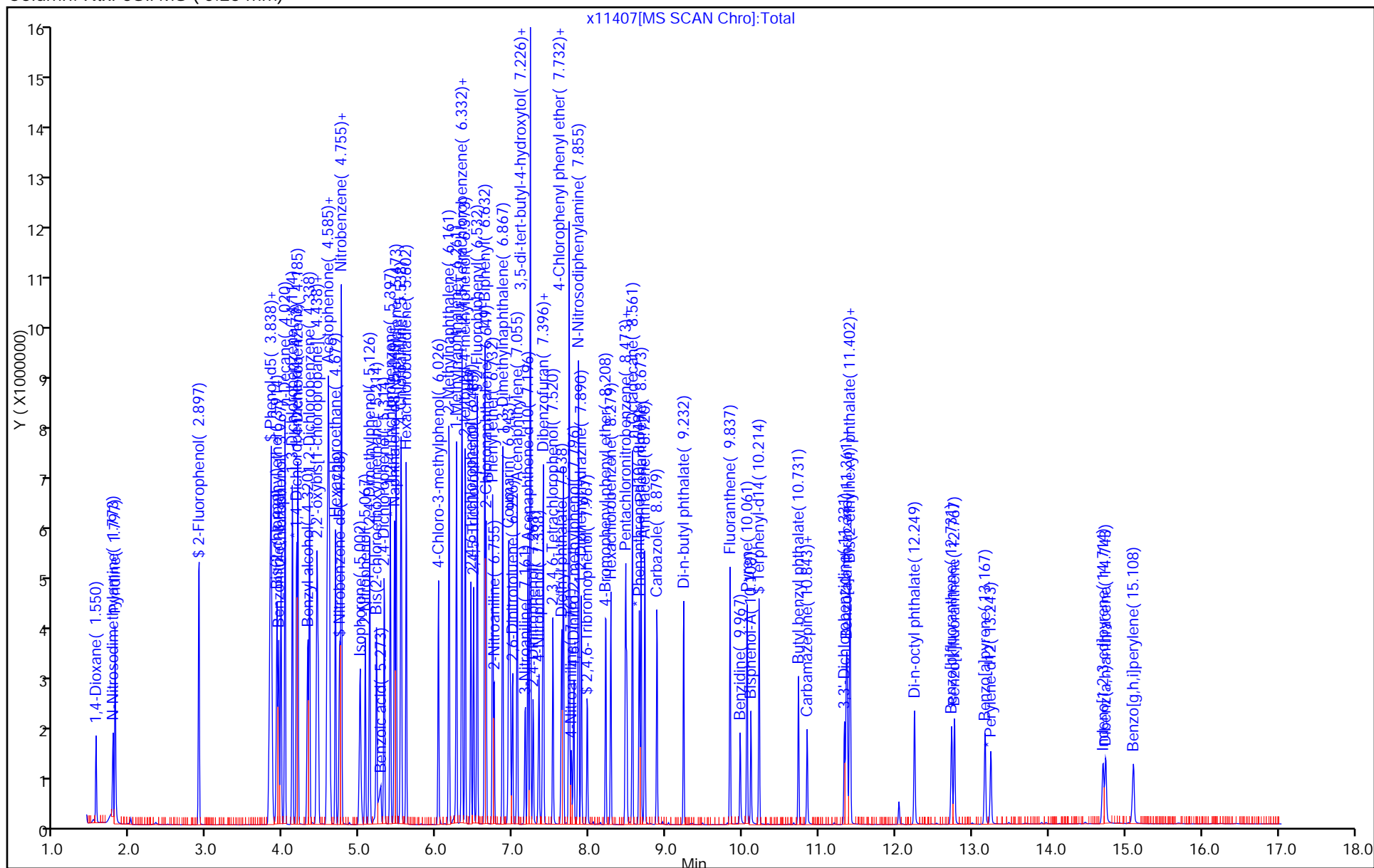
SV_IC_BNA_L6_00018

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAM5\\20160305-38060.b\\x11407.D		
Injection Date:	05-Mar-2016 13:12:30	Instrument ID:	CBNAM5
Lims ID:	icis		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_5R	Limit Group:	SV 8270D ICA
Column:	Rtxi-5Sil MS (0.25 mm)		

ALS Bottle#: 2



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11408.D
 Lims ID: std120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 05-Mar-2016 13:44:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038060-003
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Mar-2016 01:49:54 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: bayoumiw

Date: 05-Mar-2016 15:20:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.544	1.550	-0.006	94	1268481	120.0	130.9	
2 N-Nitrosodimethylamine	74	1.779	1.773	0.006	83	1615921	120.0	127.5	
3 Pyridine	79	1.797	1.797	-0.001	91	2826429	120.0	128.0	
\$ 4 2-Fluorophenol	112	2.902	2.897	0.005	96	3570584	120.0	139.7	
\$ 6 Phenol-d5	99	3.849	3.826	0.023	88	3684325	120.0	129.6	
7 Phenol	94	3.861	3.838	0.023	98	3498019	120.0	116.4	
8 Aniline	93	3.861	3.844	0.017	96	4093935	120.0	119.5	
9 Bis(2-chloroethyl)ether	93	3.926	3.914	0.012	97	2914010	120.0	129.3	
10 Benzonitrile	103	3.961	3.938	0.023	68	5145933	NC	NC	
11 2-Chlorophenol	128	3.979	3.967	0.012	97	3072883	120.0	118.1	
12 n-Decane	43	4.026	4.020	0.006	86	2758301	120.0	115.1	
13 1,3-Dichlorobenzene	146	4.126	4.114	0.012	96	3685434	120.0	121.5	
* 14 1,4-Dichlorobenzene-d4	152	4.173	4.167	0.006	96	772685	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.196	4.191	0.005	95	3640155	120.0	119.9	
16 Benzyl alcohol	108	4.343	4.320	0.023	95	1728861	120.0	123.1	
17 1,2-Dichlorobenzene	146	4.343	4.338	0.005	97	3392624	120.0	119.5	
18 2-Methylphenol	108	4.449	4.438	0.011	87	2364871	120.0	117.2	
19 2,2'-oxybis[1-chloropropan	45	4.461	4.450	0.011	86	2775851	120.0	109.1	
20 N-Methylaniline	106	4.579	4.573	0.006	82	3944477	NC	NC	
21 Acetophenone	105	4.602	4.585	0.017	97	3376133	120.0	118.8	
22 N-Nitrosodi-n-propylamine	70	4.643	4.591	0.052	89	1683491	120.0	114.8	
24 4-Methylphenol	108	4.626	4.602	0.024	94	2305084	120.0	109.6	
23 3 & 4 Methylphenol	108	4.626	4.602	0.024	91	2305084	120.0	109.6	
25 Hexachloroethane	117	4.679	4.679	0.000	92	1313759	120.0	118.5	
\$ 26 Nitrobenzene-d5	82	4.749	4.732	0.017	91	3115451	120.0	137.1	
28 Nitrobenzene	77	4.773	4.755	0.018	95	3476835	120.0	120.0	
27 n,n'-Dimethylaniline	120	4.773	4.755	0.018	96	3994154	120.0	115.4	
31 Isophorone	82	5.026	5.002	0.024	99	3776263	120.0	114.7	
32 2-Nitrophenol	139	5.079	5.067	0.012	91	1418879	120.0	122.3	
33 2,4-Dimethylphenol	122	5.143	5.126	0.017	91	2250712	120.0	118.9	
34 Bis(2-chloroethoxy)methane	93	5.226	5.214	0.012	100	2596464	120.0	121.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.326	5.273	0.053	88	1136745	120.0	125.1	
36 2,4-Dichlorophenol	162	5.332	5.314	0.018	97	2228339	120.0	119.0	
37 1,2,4-Trichlorobenzene	180	5.402	5.397	0.006	94	2662867	120.0	120.2	
* 38 Naphthalene-d8	136	5.455	5.449	0.006	99	2418639	40.0	40.0	
39 Naphthalene	128	5.479	5.473	0.006	100	7402203	120.0	119.0	
40 4-Chloroaniline	127	5.543	5.532	0.011	98	2824345	120.0	117.4	
41 Hexachlorobutadiene	225	5.608	5.602	0.006	98	1717527	120.0	124.7	
43 4-Chloro-3-methylphenol	107	6.032	6.026	0.006	97	1850178	120.0	118.8	
44 2-Methylnaphthalene	142	6.167	6.161	0.006	86	4852192	120.0	117.2	
45 1-Methylnaphthalene	142	6.267	6.261	0.006	93	4084614	120.0	115.4	
46 Hexachlorocyclopentadiene	237	6.332	6.332	0.000	96	1632606	120.0	147.5	
47 1,2,4,5-Tetrachlorobenzene	216	6.343	6.338	0.005	98	2475786	120.0	126.9	
48 2-tertbutyl-4-methylphenol	149	6.384	6.373	0.011	92	3266429	120.0	116.5	
49 2,4,6-Trichlorophenol	196	6.455	6.449	0.006	91	1431635	120.0	127.6	
50 2,4,5-Trichlorophenol	196	6.496	6.485	0.011	98	1439962	120.0	124.1	
\$ 51 2-Fluorobiphenyl	172	6.537	6.532	0.005	98	5796420	120.0	136.3	
52 1,1'-Biphenyl	154	6.637	6.632	0.005	94	5312813	120.0	120.9	
53 2-Chloronaphthalene	162	6.655	6.649	0.006	99	3988876	120.0	119.5	
54 Phenyl ether	170	6.737	6.732	0.005	83	2953814	120.0	124.4	
56 2-Nitroaniline	65	6.761	6.749	0.012	98	1200472	120.0	123.2	
57 1,3-Dimethylnaphthalene	156	6.873	6.867	0.006	91	3045279	120.0	115.1	
58 Dimethyl phthalate	163	6.961	6.943	0.018	99	3598998	120.0	119.8	
59 Coumarin	146	6.973	6.955	0.018	77	1087366	120.0	114.6	
60 2,6-Dinitrotoluene	165	7.008	6.996	0.012	95	849545	120.0	119.1	
61 Acenaphthylene	152	7.061	7.055	0.006	97	5595586	120.0	119.0	
64 3-Nitroaniline	138	7.173	7.161	0.012	95	829546	120.0	120.9	
* 65 Acenaphthene-d10	164	7.196	7.190	0.006	92	1037756	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.231	7.226	0.005	96	4135049	120.0	120.9	
67 Acenaphthene	154	7.237	7.226	0.011	93	3359909	120.0	116.5	
68 2,4-Dinitrophenol	184	7.279	7.261	0.017	95	950251	240.0	227.2	
69 4-Nitrophenol	65	7.355	7.338	0.017	90	1091301	240.0	274.2	
70 2,4-Dinitrotoluene	165	7.402	7.390	0.012	93	1001162	120.0	123.7	
71 Dibenzofuran	168	7.408	7.396	0.012	96	5100028	120.0	118.7	
72 2,3,4,6-Tetrachlorophenol	232	7.531	7.520	0.011	97	1034545	120.0	128.9	
73 Diethyl phthalate	149	7.649	7.638	0.011	99	3342300	120.0	119.5	
75 Fluorene	166	7.743	7.732	0.011	95	3829988	120.0	117.0	
74 4-Chlorophenyl phenyl ethe	204	7.743	7.732	0.011	90	1941805	120.0	116.6	
76 4-Nitroaniline	138	7.790	7.761	0.029	87	715560	120.0	124.4	
77 4,6-Dinitro-2-methylphenol	198	7.814	7.796	0.018	90	1120715	240.0	271.3	
78 N-Nitrosodiphenylamine	169	7.873	7.855	0.018	66	5242937	240.0	247.8	
79 1,2-Diphenylhydrazine	77	7.902	7.890	0.012	96	3135914	120.0	127.6	
\$ 80 2,4,6-Tribromophenol	330	7.978	7.973	0.005	93	701376	120.0	155.8	
81 4-Bromophenyl phenyl ether	248	8.220	8.214	0.006	94	1188241	120.0	133.4	
83 Hexachlorobenzene	284	8.284	8.279	0.005	95	1248960	120.0	138.1	
85 Pentachlorophenol	266	8.478	8.473	0.005	94	1409473	240.0	240.5	
86 Pentachloronitrobenzene	237	8.490	8.485	0.005	89	398634	120.0	123.5	
87 n-Octadecane	57	8.567	8.561	0.006	91	2252866	120.0	127.1	
* 88 Phenanthrene-d10	188	8.655	8.649	0.006	98	1282420	40.0	40.0	
89 Phenanthrene	178	8.678	8.673	0.005	97	4548956	120.0	125.4	
90 Anthracene	178	8.731	8.720	0.011	99	4541312	120.0	124.5	
91 Carbazole	167	8.890	8.879	0.011	96	3575820	120.0	125.6	
92 Di-n-butyl phthalate	149	9.231	9.232	-0.001	99	4268471	120.0	128.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	9.843	9.837	0.006	99	3995166	120.0	127.9	
94 Benzidine	184	9.972	9.967	0.005	99	1745623	120.0	147.0	
95 Pyrene	202	10.067	10.061	0.006	98	3965319	120.0	119.5	
82 Bisphenol-A	213	10.114	10.108	0.006	99	1464877	120.0	124.8	
\$ 96 Terphenyl-d14	244	10.219	10.214	0.005	99	3361635	120.0	137.1	
97 Butyl benzyl phthalate	149	10.737	10.731	0.006	96	1410375	120.0	124.4	
99 Carbamazepine	193	10.855	10.843	0.012	92	1142267	120.0	146.5	
100 3,3'-Dichlorobenzidine	252	11.337	11.331	0.006	99	1049342	120.0	139.9	
101 Benzo[a]anthracene	228	11.361	11.355	0.006	97	2958415	120.0	123.0	
* 102 Chrysene-d12	240	11.372	11.367	0.005	99	787182	40.0	40.0	
103 Chrysene	228	11.408	11.402	0.006	99	2613610	120.0	123.3	
104 Bis(2-ethylhexyl) phthalat	149	11.414	11.408	0.006	88	1903541	120.0	127.8	
105 Di-n-octyl phthalate	149	12.255	12.249	0.006	97	2919013	120.0	129.9	
106 Benzo[b]fluoranthene	252	12.743	12.731	0.012	98	2464703	120.0	137.1	
107 Benzo[k]fluoranthene	252	12.784	12.767	0.017	98	2435082	120.0	125.8	
108 Benzo[a]pyrene	252	13.178	13.167	0.011	98	2261461	120.0	136.5	
* 109 Perylene-d12	264	13.249	13.249	0.000	100	605278	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.725	14.714	0.011	98	2029828	120.0	149.4	
111 Dibenz(a,h)anthracene	278	14.760	14.749	0.011	99	2071528	120.0	151.6	
112 Benzo[g,h,i]perylene	276	15.131	15.108	0.023	97	2043031	120.0	138.4	
S 119 Total Cresols	1				0			226.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L8_00010

Amount Added: 1.00

Units: mL

Operator ID:

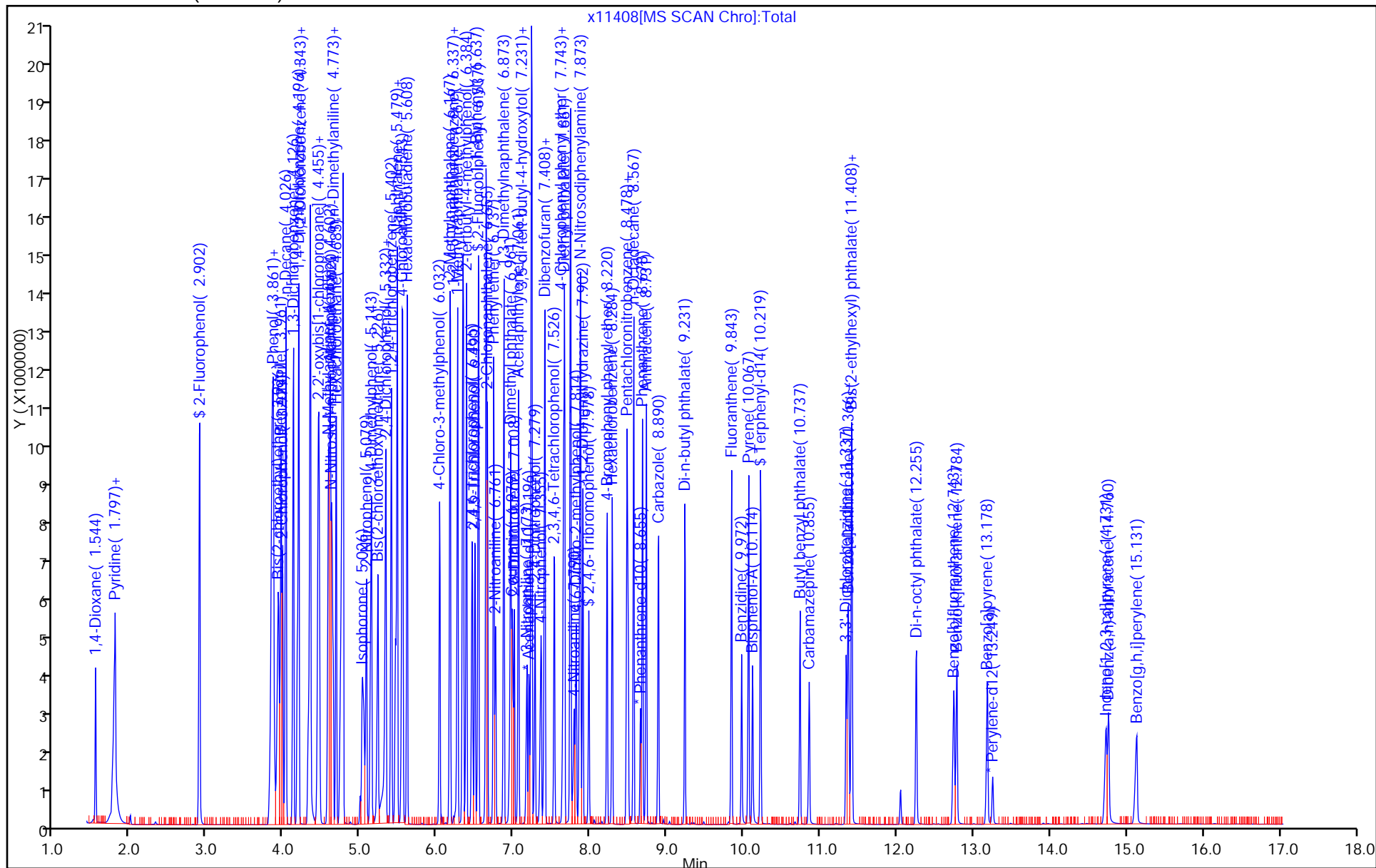
Worklist Smp#: 3

Client ID:

ALS Bottle#: 3

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11409.D
 Lims ID: std80
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 05-Mar-2016 14:07:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038060-004
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Mar-2016 01:49:48 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: bayoumiw

Date: 05-Mar-2016 15:22:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.550	1.550	0.000	94	901205	80.0	78.6	
2 N-Nitrosodimethylamine	74	1.779	1.773	0.006	83	1167666	80.0	77.9	
3 Pyridine	79	1.802	1.797	0.005	91	2011472	80.0	77.0	
\$ 4 2-Fluorophenol	112	2.902	2.897	0.005	96	2286427	80.0	75.6	
\$ 6 Phenol-d5	99	3.838	3.826	0.012	90	2463000	80.0	73.2	
7 Phenol	94	3.855	3.838	0.017	92	2644533	80.0	74.4	
8 Aniline	93	3.849	3.844	0.005	94	3100290	80.0	76.5	
9 Bis(2-chloroethyl)ether	93	3.926	3.914	0.012	98	2031674	80.0	76.2	
10 Benzonitrile	103	3.955	3.938	0.017	66	3730984	NC	NC	
11 2-Chlorophenol	128	3.979	3.967	0.012	97	2323010	80.0	75.5	
12 n-Decane	43	4.026	4.020	0.006	86	1985608	80.0	70.0	
13 1,3-Dichlorobenzene	146	4.126	4.114	0.012	96	2754418	80.0	76.8	
* 14 1,4-Dichlorobenzene-d4	152	4.173	4.167	0.006	95	914193	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.196	4.191	0.005	95	2762219	80.0	76.9	
16 Benzyl alcohol	108	4.332	4.320	0.012	92	1292335	80.0	77.8	
17 1,2-Dichlorobenzene	146	4.343	4.338	0.005	96	2538786	80.0	75.6	
18 2-Methylphenol	108	4.443	4.438	0.005	91	1804698	80.0	75.6	
19 2,2'-oxybis[1-chloropropan	45	4.461	4.450	0.011	88	2067112	80.0	68.6	
20 N-Methylaniline	106	4.579	4.573	0.006	83	2889598	NC	NC	
21 Acetophenone	105	4.596	4.585	0.011	96	2504482	80.0	74.5	
22 N-Nitrosodi-n-propylamine	70	4.602	4.591	0.011	87	1233926	80.0	71.1	
24 4-Methylphenol	108	4.614	4.602	0.012	93	1759669	80.0	70.7	
23 3 & 4 Methylphenol	108	4.614	4.602	0.012	89	1759669	80.0	70.7	
25 Hexachloroethane	117	4.685	4.679	0.006	91	982510	80.0	74.9	
\$ 26 Nitrobenzene-d5	82	4.743	4.732	0.011	89	2082471	80.0	76.3	
28 Nitrobenzene	77	4.767	4.755	0.012	79	2646840	80.0	76.1	
27 n,n'-Dimethylaniline	120	4.767	4.755	0.012	89	2952257	80.0	72.1	
31 Isophorone	82	5.014	5.002	0.012	99	2973487	80.0	75.2	
32 2-Nitrophenol	139	5.079	5.067	0.012	92	1080527	80.0	77.6	
33 2,4-Dimethylphenol	122	5.138	5.126	0.012	91	1700129	80.0	74.8	
34 Bis(2-chloroethoxy)methane	93	5.226	5.214	0.012	100	1930537	80.0	75.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.302	5.273	0.029	87	889852	80.0	82.5	
36 2,4-Dichlorophenol	162	5.326	5.314	0.012	96	1705975	80.0	75.9	
37 1,2,4-Trichlorobenzene	180	5.402	5.397	0.006	94	2027836	80.0	76.2	
* 38 Naphthalene-d8	136	5.455	5.449	0.006	99	2904906	40.0	40.0	
39 Naphthalene	128	5.479	5.473	0.006	100	5640028	80.0	75.5	
40 4-Chloroaniline	127	5.543	5.532	0.011	96	2142447	80.0	74.1	
41 Hexachlorobutadiene	225	5.608	5.602	0.006	97	1314608	80.0	79.5	
43 4-Chloro-3-methylphenol	107	6.032	6.026	0.006	96	1392399	80.0	74.5	
44 2-Methylnaphthalene	142	6.167	6.161	0.006	85	3698467	80.0	74.4	
45 1-Methylnaphthalene	142	6.267	6.261	0.006	93	3161374	80.0	74.4	
46 Hexachlorocyclopentadiene	237	6.332	6.332	0.000	97	1222799	80.0	91.0	
47 1,2,4,5-Tetrachlorobenzene	216	6.343	6.338	0.005	98	1905079	80.0	80.4	
48 2-tertbutyl-4-methylphenol	149	6.384	6.373	0.011	92	2470374	80.0	73.3	
49 2,4,6-Trichlorophenol	196	6.455	6.449	0.006	92	1085444	80.0	79.7	
50 2,4,5-Trichlorophenol	196	6.490	6.485	0.005	98	1113164	80.0	79.1	
\$ 51 2-Fluorobiphenyl	172	6.537	6.532	0.005	98	4014466	80.0	77.8	
52 1,1'-Biphenyl	154	6.637	6.632	0.005	94	4121361	80.0	77.3	
53 2-Chloronaphthalene	162	6.655	6.649	0.006	97	3099292	80.0	76.5	
54 Phenyl ether	170	6.737	6.732	0.005	83	2211959	80.0	76.8	
56 2-Nitroaniline	65	6.761	6.749	0.012	97	897700	80.0	75.9	
57 1,3-Dimethylnaphthalene	156	6.873	6.867	0.006	91	2310209	80.0	71.9	
58 Dimethyl phthalate	163	6.955	6.943	0.012	99	2801047	80.0	76.8	
59 Coumarin	146	6.967	6.955	0.012	78	823353	80.0	72.2	
60 2,6-Dinitrotoluene	165	7.002	6.996	0.006	95	674803	80.0	77.9	
61 Acenaphthylene	152	7.061	7.055	0.006	97	4342255	80.0	76.1	
64 3-Nitroaniline	138	7.167	7.161	0.006	96	650563	80.0	78.1	
* 65 Acenaphthene-d10	164	7.196	7.190	0.006	92	1259570	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.231	7.226	0.005	95	3269616	80.0	78.7	
67 Acenaphthene	154	7.231	7.226	0.005	93	2671856	80.0	76.3	
68 2,4-Dinitrophenol	184	7.273	7.261	0.012	95	721102	160.0	160.2	
69 4-Nitrophenol	65	7.349	7.338	0.011	90	806846	160.0	167.1	
70 2,4-Dinitrotoluene	165	7.396	7.390	0.006	96	783118	80.0	79.7	
71 Dibenzofuran	168	7.402	7.396	0.006	95	3987819	80.0	76.5	
72 2,3,4,6-Tetrachlorophenol	232	7.526	7.520	0.006	96	794881	80.0	81.6	
73 Diethyl phthalate	149	7.643	7.638	0.005	99	2570053	80.0	75.7	
75 Fluorene	166	7.737	7.732	0.005	95	3083748	80.0	77.6	
74 4-Chlorophenyl phenyl ethe	204	7.737	7.732	0.005	81	1595344	80.0	78.9	
76 4-Nitroaniline	138	7.779	7.761	0.018	86	557997	80.0	79.9	
77 4,6-Dinitro-2-methylphenol	198	7.808	7.796	0.012	91	870445	160.0	165.5	
78 N-Nitrosodiphenylamine	169	7.867	7.855	0.012	66	4079863	160.0	150.5	
79 1,2-Diphenylhydrazine	77	7.896	7.890	0.006	96	2382036	80.0	75.6	
\$ 80 2,4,6-Tribromophenol	330	7.979	7.973	0.005	92	473058	80.0	86.6	
81 4-Bromophenyl phenyl ether	248	8.214	8.214	0.000	95	910286	80.0	79.7	
83 Hexachlorobenzene	284	8.284	8.279	0.005	96	959120	80.0	82.8	
85 Pentachlorophenol	266	8.478	8.473	0.005	94	1069970	160.0	157.8	
86 Pentachloronitrobenzene	237	8.490	8.485	0.005	90	310499	80.0	75.1	
87 n-Octadecane	57	8.561	8.561	0.000	91	1685268	80.0	74.2	
* 88 Phenanthrene-d10	188	8.655	8.649	0.006	98	1643438	40.0	40.0	
89 Phenanthrene	178	8.678	8.673	0.005	97	3549059	80.0	76.3	
90 Anthracene	178	8.726	8.720	0.006	99	3598058	80.0	77.0	
91 Carbazole	167	8.884	8.879	0.005	96	2815055	80.0	77.2	
92 Di-n-butyl phthalate	149	9.231	9.232	-0.001	99	3291878	80.0	77.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	9.837	9.837	0.000	99	3167248	80.0	79.1	
94 Benzidine	184	9.972	9.967	0.005	99	1451096	80.0	95.3	
95 Pyrene	202	10.061	10.061	0.000	98	3087298	80.0	76.5	
82 Bisphenol-A	213	10.114	10.108	0.006	99	1188218	80.0	83.2	
\$ 96 Terphenyl-d14	244	10.220	10.214	0.006	99	2337610	80.0	78.3	
97 Butyl benzyl phthalate	149	10.731	10.731	0.000	96	1085348	80.0	78.7	
99 Carbamazepine	193	10.849	10.843	0.006	92	853838	80.0	89.9	
100 3,3'-Dichlorobenzidine	252	11.337	11.331	0.006	98	852380	80.0	93.4	
101 Benzo[a]anthracene	228	11.361	11.355	0.006	97	2304932	80.0	78.7	
* 102 Chrysene-d12	240	11.372	11.367	0.005	99	958075	40.0	40.0	
103 Chrysene	228	11.402	11.402	0.000	99	2069072	80.0	80.2	
104 Bis(2-ethylhexyl) phthalat	149	11.408	11.408	0.000	88	1445876	80.0	79.8	
105 Di-n-octyl phthalate	149	12.249	12.249	0.000	97	2202347	80.0	79.4	
106 Benzo[b]fluoranthene	252	12.737	12.731	0.006	98	1858247	80.0	83.7	
107 Benzo[k]fluoranthene	252	12.778	12.767	0.011	98	1905812	80.0	79.7	
108 Benzo[a]pyrene	252	13.172	13.167	0.005	99	1734205	80.0	84.8	
* 109 Perylene-d12	264	13.249	13.249	0.000	99	747531	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.719	14.714	0.005	98	1550613	80.0	92.4	
111 Dibenz(a,h)anthracene	278	14.755	14.749	0.006	97	1541410	80.0	91.3	
112 Benzo[g,h,i]perylene	276	15.119	15.108	0.011	97	1540876	80.0	84.5	
S 119 Total Cresols	1				0			146.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

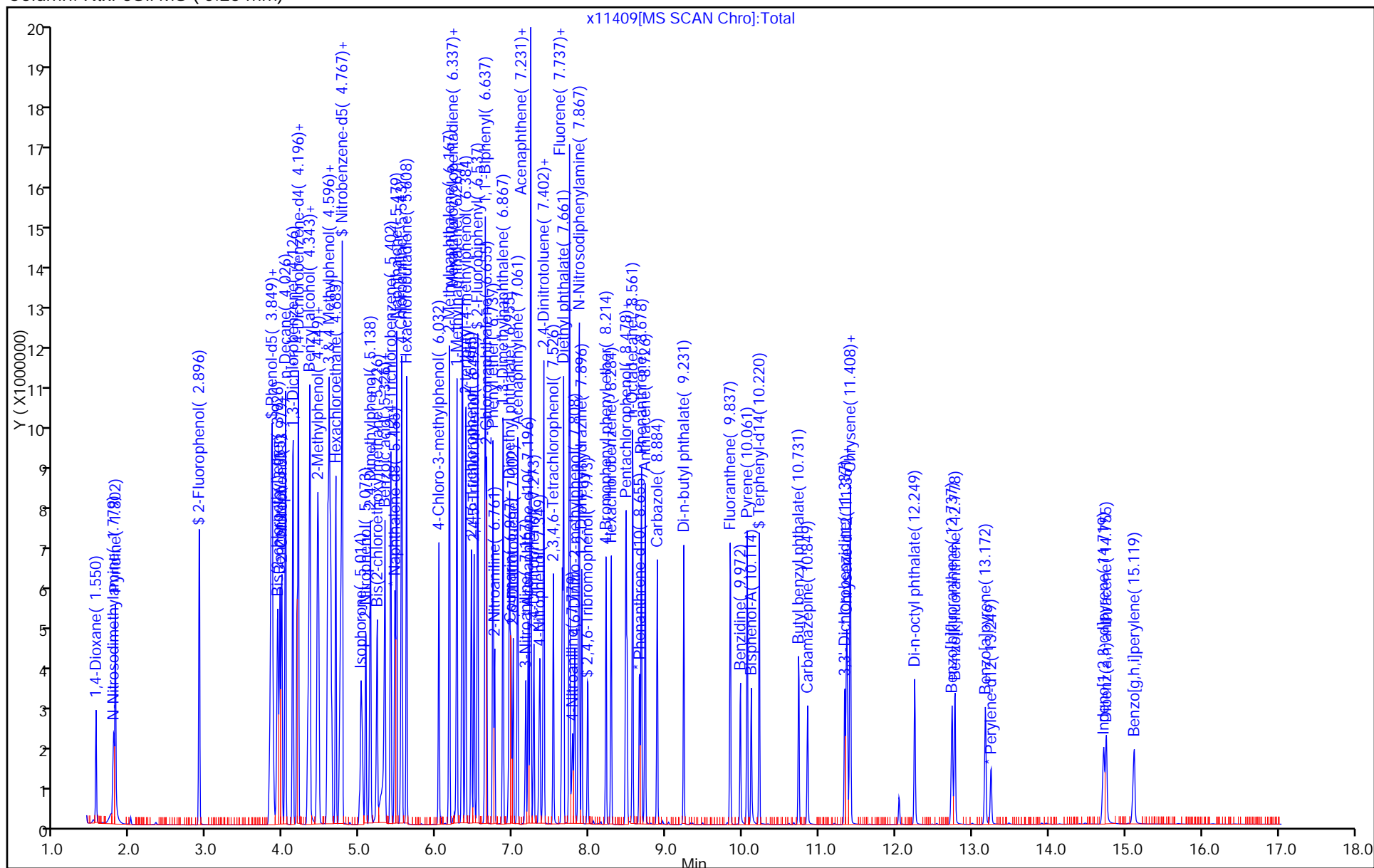
SV_IC_BNA_L7_00010

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11409.D		
Injection Date:	05-Mar-2016 14:07:30	Instrument ID:	CBNAMS5
Lims ID:	std80		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_5R	Limit Group:	SV 8270D ICA
Column:	Rtxi-5Sil MS (0.25 mm)		

ALS Bottle#: 4



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11410.D
 Lims ID: std20
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 05-Mar-2016 14:31:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038060-005
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Mar-2016 01:49:43 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: bayoumiw

Date: 05-Mar-2016 15:23:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.555	1.550	0.005	97	234211	20.0	19.9	
2 N-Nitrosodimethylamine	74	1.773	1.773	0.000	83	306390	20.0	20.0	
3 Pyridine	79	1.802	1.797	0.005	88	540537	20.0	20.2	
\$ 4 2-Fluorophenol	112	2.896	2.897	-0.001	96	589600	20.0	19.0	
\$ 6 Phenol-d5	99	3.814	3.826	-0.012	98	654072	20.0	19.0	
7 Phenol	94	3.826	3.838	-0.012	96	743128	20.0	20.4	
8 Aniline	93	3.838	3.844	-0.006	99	840818	20.0	20.2	
9 Bis(2-chloroethyl)ether	93	3.908	3.914	-0.006	99	534767	20.0	19.6	
10 Benzonitrile	103	3.920	3.938	-0.018	66	1045795	NC	NC	
11 2-Chlorophenol	128	3.961	3.967	-0.006	97	643571	20.0	20.4	
12 n-Decane	43	4.020	4.020	0.000	88	610897	20.0	21.0	
13 1,3-Dichlorobenzene	146	4.114	4.114	0.000	95	748853	20.0	20.4	
* 14 1,4-Dichlorobenzene-d4	152	4.173	4.167	0.006	96	936569	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.185	4.191	-0.006	95	737963	20.0	20.0	
16 Benzyl alcohol	108	4.308	4.320	-0.012	93	335006	20.0	19.7	
17 1,2-Dichlorobenzene	146	4.338	4.338	0.000	96	703961	20.0	20.5	
18 2-Methylphenol	108	4.432	4.438	-0.006	89	495787	20.0	20.3	
19 2,2'-oxybis[1-chloropropan	45	4.449	4.450	-0.001	90	644094	20.0	20.9	
20 N-Methylaniline	106	4.567	4.573	-0.006	89	806905	NC	NC	
21 Acetophenone	105	4.579	4.585	-0.006	95	687947	20.0	20.0	
22 N-Nitrosodi-n-propylamine	70	4.579	4.591	-0.012	90	345941	20.0	19.5	
24 4-Methylphenol	108	4.590	4.602	-0.012	88	524750	20.0	20.6	
23 3 & 4 Methylphenol	108	4.590	4.602	-0.012	85	524750	20.0	20.6	
25 Hexachloroethane	117	4.679	4.679	0.000	91	273377	20.0	20.3	
\$ 26 Nitrobenzene-d5	82	4.726	4.732	-0.006	90	540049	20.0	18.8	
28 Nitrobenzene	77	4.749	4.755	-0.006	95	743794	20.0	20.3	
27 n,n'-Dimethylaniline	120	4.749	4.755	-0.006	91	834197	20.0	19.9	
31 Isophorone	82	4.990	5.002	-0.012	98	835105	20.0	20.1	
32 2-Nitrophenol	139	5.067	5.067	0.000	92	295197	20.0	20.1	
33 2,4-Dimethylphenol	122	5.120	5.126	-0.006	91	482785	20.0	20.2	
34 Bis(2-chloroethoxy)methane	93	5.208	5.214	-0.006	100	547734	20.0	20.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.232	5.273	-0.041	88	192839	20.0	19.2	
36 2,4-Dichlorophenol	162	5.314	5.314	0.000	96	480489	20.0	20.3	
37 1,2,4-Trichlorobenzene	180	5.396	5.397	0.000	95	548745	20.0	19.6	
* 38 Naphthalene-d8	136	5.449	5.449	0.000	99	3058101	40.0	40.0	
39 Naphthalene	128	5.467	5.473	-0.006	100	1592522	20.0	20.2	
40 4-Chloroaniline	127	5.526	5.532	-0.006	97	618889	20.0	20.3	
41 Hexachlorobutadiene	225	5.602	5.602	0.000	96	347711	20.0	20.0	
43 4-Chloro-3-methylphenol	107	6.020	6.026	-0.006	96	393819	20.0	20.0	
44 2-Methylnaphthalene	142	6.161	6.161	0.000	85	1052267	20.0	20.1	
45 1-Methylnaphthalene	142	6.261	6.261	0.000	92	902649	20.0	20.2	
46 Hexachlorocyclopentadiene	237	6.326	6.332	-0.006	96	279236	20.0	19.1	
47 1,2,4,5-Tetrachlorobenzene	216	6.332	6.338	-0.006	98	511156	20.0	19.9	
48 2-tertbutyl-4-methylphenol	149	6.373	6.373	0.000	91	723944	20.0	20.4	
49 2,4,6-Trichlorophenol	196	6.449	6.449	0.000	92	301170	20.0	20.4	
50 2,4,5-Trichlorophenol	196	6.479	6.485	-0.006	98	308769	20.0	20.2	
\$ 51 2-Fluorobiphenyl	172	6.532	6.532	0.000	98	1069188	20.0	19.1	
52 1,1'-Biphenyl	154	6.626	6.632	-0.006	94	1171969	20.0	20.2	
53 2-Chloronaphthalene	162	6.643	6.649	-0.006	98	885502	20.0	20.1	
54 Phenyl ether	170	6.732	6.732	0.000	84	632293	20.0	20.2	
56 2-Nitroaniline	65	6.749	6.749	0.000	96	256693	20.0	20.0	
57 1,3-Dimethylnaphthalene	156	6.861	6.867	-0.006	91	722636	20.0	20.7	
58 Dimethyl phthalate	163	6.937	6.943	-0.006	99	791198	20.0	20.0	
59 Coumarin	146	6.949	6.955	-0.006	79	244342	20.0	20.4	
60 2,6-Dinitrotoluene	165	6.990	6.996	-0.006	96	190425	20.0	20.2	
61 Acenaphthylene	152	7.049	7.055	-0.006	97	1262660	20.0	20.4	
64 3-Nitroaniline	138	7.155	7.161	-0.006	96	182155	20.0	20.1	
* 65 Acenaphthene-d10	164	7.196	7.190	0.006	92	1368229	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.220	7.226	-0.006	96	919088	20.0	20.4	
67 Acenaphthene	154	7.226	7.226	0.000	94	759784	20.0	20.0	
68 2,4-Dinitrophenol	184	7.255	7.261	-0.006	95	149373	40.0	41.4	
69 4-Nitrophenol	65	7.331	7.338	-0.007	90	205669	40.0	39.2	
70 2,4-Dinitrotoluene	165	7.384	7.390	-0.006	97	219376	20.0	20.6	
71 Dibenzofuran	168	7.396	7.396	0.000	95	1147187	20.0	20.3	
72 2,3,4,6-Tetrachlorophenol	232	7.520	7.520	0.000	94	208180	20.0	19.7	
73 Diethyl phthalate	149	7.631	7.638	-0.007	99	749048	20.0	20.3	
75 Fluorene	166	7.731	7.732	-0.001	97	865231	20.0	20.1	
74 4-Chlorophenyl phenyl ethe	204	7.731	7.732	-0.001	89	436109	20.0	19.9	
76 4-Nitroaniline	138	7.749	7.761	-0.012	87	151504	20.0	20.0	
77 4,6-Dinitro-2-methylphenol	198	7.784	7.796	-0.012	90	202928	40.0	38.5	
78 N-Nitrosodiphenylamine	169	7.849	7.855	-0.006	66	1161299	40.0	40.4	
79 1,2-Diphenylhydrazine	77	7.890	7.890	0.000	96	668916	20.0	20.0	
\$ 80 2,4,6-Tribromophenol	330	7.967	7.973	-0.006	93	109695	20.0	18.5	
81 4-Bromophenyl phenyl ether	248	8.208	8.214	-0.006	93	239262	20.0	19.8	
83 Hexachlorobenzene	284	8.278	8.279	-0.001	97	248688	20.0	20.3	
85 Pentachlorophenol	266	8.467	8.473	-0.006	94	236855	40.0	40.2	
86 Pentachloronitrobenzene	237	8.484	8.485	-0.001	90	88465	20.0	20.2	
87 n-Octadecane	57	8.561	8.561	0.000	93	501373	20.0	20.8	
* 88 Phenanthrene-d10	188	8.649	8.649	0.000	98	1741211	40.0	40.0	
89 Phenanthrene	178	8.673	8.673	0.000	96	996423	20.0	20.2	
90 Anthracene	178	8.720	8.720	0.000	99	988640	20.0	20.0	
91 Carbazole	167	8.878	8.879	-0.001	96	775219	20.0	20.1	
92 Di-n-butyl phthalate	149	9.225	9.232	-0.007	100	910250	20.0	20.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	9.831	9.837	-0.006	99	840637	20.0	19.8	
94 Benzidine	184	9.967	9.967	0.000	99	303264	20.0	18.8	
95 Pyrene	202	10.055	10.061	-0.006	99	826196	20.0	20.2	
82 Bisphenol-A	213	10.108	10.108	0.000	99	277466	20.0	19.2	
\$ 96 Terphenyl-d14	244	10.214	10.214	0.000	98	564329	20.0	18.7	
97 Butyl benzyl phthalate	149	10.725	10.731	-0.006	96	284662	20.0	20.4	
99 Carbamazepine	193	10.837	10.843	-0.006	93	191681	20.0	19.9	
100 3,3'-Dichlorobenzidine	252	11.325	11.331	-0.006	99	187627	20.0	20.3	
101 Benzo[a]anthracene	228	11.355	11.355	0.000	97	568646	20.0	19.2	
* 102 Chrysene-d12	240	11.367	11.367	0.000	99	970996	40.0	40.0	
103 Chrysene	228	11.396	11.402	-0.006	99	520890	20.0	19.9	
104 Bis(2-ethylhexyl) phthalat	149	11.408	11.408	0.000	88	373085	20.0	20.3	
105 Di-n-octyl phthalate	149	12.249	12.249	0.000	97	532634	20.0	19.8	
106 Benzo[b]fluoranthene	252	12.731	12.731	0.000	98	426673	20.0	19.9	
107 Benzo[k]fluoranthene	252	12.766	12.767	-0.001	98	486826	20.0	21.1	
108 Benzo[a]pyrene	252	13.166	13.167	-0.001	98	399396	20.0	20.2	
* 109 Perylene-d12	264	13.243	13.249	-0.006	99	723327	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.707	14.714	-0.007	98	339767	20.0	20.9	
111 Dibenz(a,h)anthracene	278	14.743	14.749	-0.006	98	342629	20.0	21.0	
112 Benzo[g,h,i]perylene	276	15.102	15.108	-0.006	98	343193	20.0	19.5	
S 119 Total Cresols	1				0			40.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

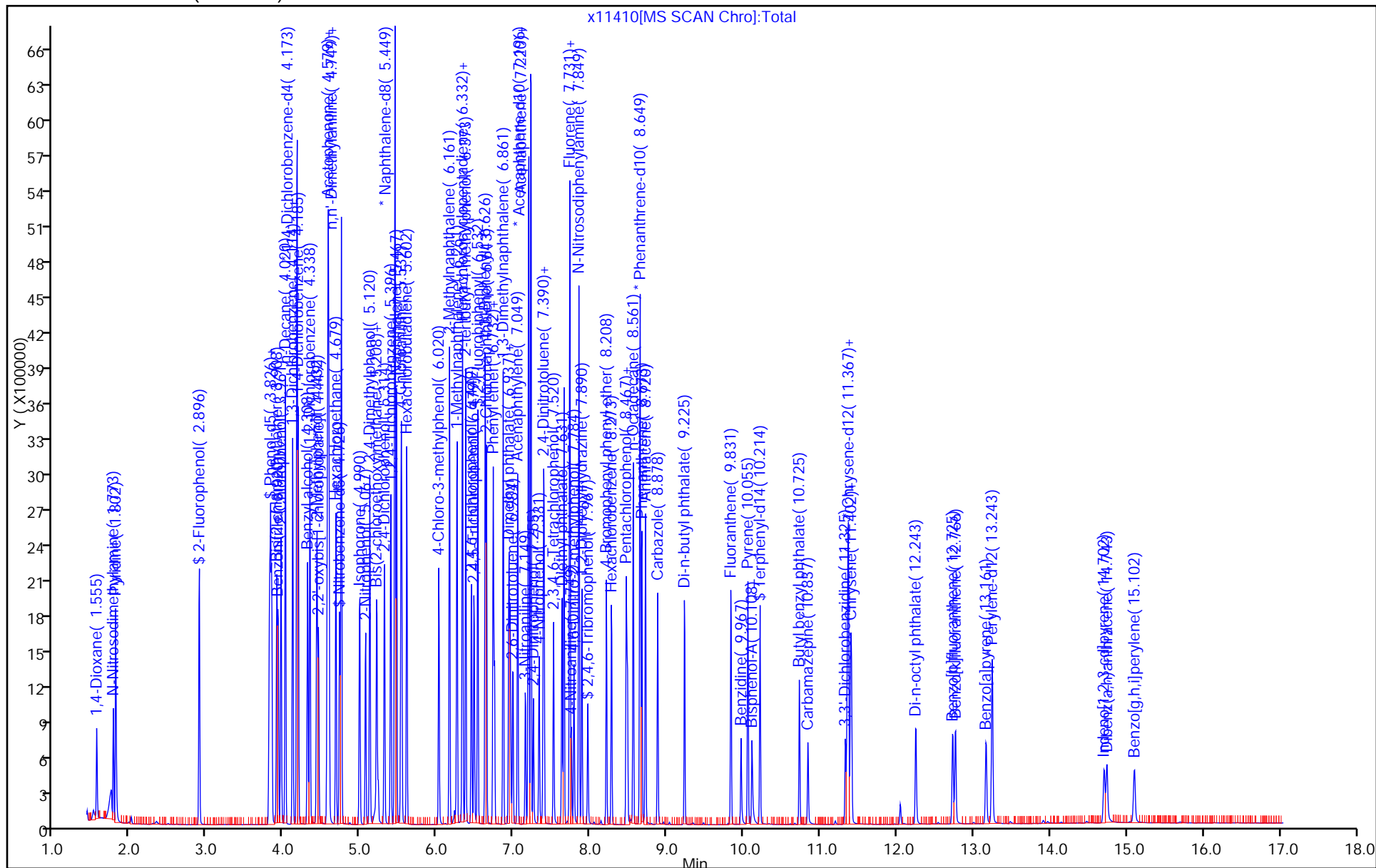
Reagents:

SV_IC_BNA_L5_00010

Amount Added: 1.00

Units: mL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11411.D
 Lims ID: std10
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 05-Mar-2016 14:54:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038060-006
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Mar-2016 01:49:37 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: bayoumiw

Date: 05-Mar-2016 15:23:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.556	1.550	0.006	97	126500	10.0	9.93	
2 N-Nitrosodimethylamine	74	1.773	1.773	0.000	83	169870	10.0	10.2	
3 Pyridine	79	1.803	1.797	0.006	88	295703	10.0	10.2	
\$ 4 2-Fluorophenol	112	2.891	2.897	-0.006	96	346137	10.0	10.3	
\$ 6 Phenol-d5	99	3.808	3.826	-0.018	95	378175	10.0	10.1	
7 Phenol	94	3.820	3.838	-0.018	99	423525	10.0	10.7	
8 Aniline	93	3.838	3.844	-0.006	100	472183	10.0	10.5	
9 Bis(2-chloroethyl)ether	93	3.902	3.914	-0.012	98	297846	10.0	10.1	
10 Benzonitrile	103	3.914	3.938	-0.024	66	577833	NC	NC	
11 2-Chlorophenol	128	3.961	3.967	-0.006	97	358481	10.0	10.5	
12 n-Decane	43	4.020	4.020	0.000	88	338619	10.0	10.8	
13 1,3-Dichlorobenzene	146	4.114	4.114	0.000	95	409155	10.0	10.3	
* 14 1,4-Dichlorobenzene-d4	152	4.167	4.167	0.000	96	1015215	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.185	4.191	-0.006	96	417148	10.0	10.5	
16 Benzyl alcohol	108	4.302	4.320	-0.018	93	190651	10.0	10.3	
17 1,2-Dichlorobenzene	146	4.338	4.338	0.000	96	390680	10.0	10.5	
18 2-Methylphenol	108	4.426	4.438	-0.012	88	282528	10.0	10.7	
19 2,2'-oxybis[1-chloropropan	45	4.449	4.450	-0.001	91	372892	10.0	11.1	
20 N-Methylaniline	106	4.561	4.573	-0.012	96	446616	NC	NC	
21 Acetophenone	105	4.573	4.585	-0.012	93	397822	10.0	10.7	
22 N-Nitrosodi-n-propylamine	70	4.579	4.591	-0.012	91	192824	10.0	10.0	
24 4-Methylphenol	108	4.585	4.602	-0.017	94	309121	10.0	11.2	
23 3 & 4 Methylphenol	108	4.585	4.602	-0.017	97	309121	10.0	11.2	
25 Hexachloroethane	117	4.679	4.679	0.000	91	149413	10.0	10.3	
\$ 26 Nitrobenzene-d5	82	4.720	4.732	-0.012	89	318925	10.0	10.2	
28 Nitrobenzene	77	4.744	4.755	-0.011	94	414891	10.0	10.4	
27 n,n'-Dimethylaniline	120	4.749	4.755	-0.006	91	468126	10.0	10.3	
31 Isophorone	82	4.985	5.002	-0.017	98	484848	10.0	10.7	
32 2-Nitrophenol	139	5.061	5.067	-0.006	92	163463	10.0	10.2	
33 2,4-Dimethylphenol	122	5.120	5.126	-0.006	92	277272	10.0	10.6	
34 Bis(2-chloroethoxy)methane	93	5.208	5.214	-0.006	100	309009	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.202	5.273	-0.071	90	84932	10.0	9.47	
36 2,4-Dichlorophenol	162	5.308	5.314	-0.006	96	271172	10.0	10.5	
37 1,2,4-Trichlorobenzene	180	5.391	5.397	-0.005	94	305877	10.0	10.0	
* 38 Naphthalene-d8	136	5.449	5.449	0.000	99	3329871	40.0	40.0	
39 Naphthalene	128	5.467	5.473	-0.006	100	900664	10.0	10.5	
40 4-Chloroaniline	127	5.526	5.532	-0.006	97	355450	10.0	10.7	
41 Hexachlorobutadiene	225	5.602	5.602	0.000	96	190008	10.0	10.0	
43 4-Chloro-3-methylphenol	107	6.020	6.026	-0.006	96	229053	10.0	10.7	
44 2-Methylnaphthalene	142	6.161	6.161	0.000	86	607610	10.0	10.7	
45 1-Methylnaphthalene	142	6.255	6.261	-0.006	93	525369	10.0	10.8	
46 Hexachlorocyclopentadiene	237	6.326	6.332	-0.006	96	140976	10.0	8.51	
47 1,2,4,5-Tetrachlorobenzene	216	6.332	6.338	-0.006	97	284900	10.0	9.76	
48 2-tertbutyl-4-methylphenol	149	6.373	6.373	0.000	92	407414	10.0	10.6	
49 2,4,6-Trichlorophenol	196	6.443	6.449	-0.006	91	172616	10.0	10.3	
50 2,4,5-Trichlorophenol	196	6.479	6.485	-0.006	98	176570	10.0	10.2	
\$ 51 2-Fluorobiphenyl	172	6.526	6.532	-0.006	98	636751	10.0	10.0	
52 1,1'-Biphenyl	154	6.626	6.632	-0.006	94	675448	10.0	10.3	
53 2-Chloronaphthalene	162	6.643	6.649	-0.006	98	512063	10.0	10.3	
54 Phenyl ether	170	6.732	6.732	0.000	85	356092	10.0	10.0	
56 2-Nitroaniline	65	6.743	6.749	-0.006	98	150300	10.0	10.3	
57 1,3-Dimethylnaphthalene	156	6.861	6.867	-0.006	92	417544	10.0	10.5	
58 Dimethyl phthalate	163	6.932	6.943	-0.011	99	467402	10.0	10.4	
59 Coumarin	146	6.943	6.955	-0.012	78	140113	10.0	10.7	
60 2,6-Dinitrotoluene	165	6.985	6.996	-0.011	97	111501	10.0	10.4	
61 Acenaphthylene	152	7.049	7.055	-0.006	98	732446	10.0	10.4	
64 3-Nitroaniline	138	7.149	7.161	-0.012	96	105205	10.0	10.2	
* 65 Acenaphthene-d10	164	7.190	7.190	0.000	93	1552955	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.220	7.226	-0.006	96	503147	10.0	9.83	
67 Acenaphthene	154	7.220	7.226	-0.006	93	451205	10.0	10.5	
68 2,4-Dinitrophenol	184	7.255	7.261	-0.006	95	70379	20.0	20.0	
69 4-Nitrophenol	65	7.326	7.338	-0.012	91	117018	20.0	19.7	
70 2,4-Dinitrotoluene	165	7.379	7.390	-0.011	97	128917	10.0	10.6	
71 Dibenzofuran	168	7.390	7.396	-0.006	95	671316	10.0	10.4	
72 2,3,4,6-Tetrachlorophenol	232	7.520	7.520	0.000	96	117657	10.0	9.79	
73 Diethyl phthalate	149	7.626	7.638	-0.012	99	433784	10.0	10.4	
75 Fluorene	166	7.726	7.732	-0.006	98	505980	10.0	10.3	
74 4-Chlorophenyl phenyl ethe	204	7.732	7.732	0.000	90	253875	10.0	10.2	
76 4-Nitroaniline	138	7.749	7.761	-0.012	86	87916	10.0	10.2	
77 4,6-Dinitro-2-methylphenol	198	7.785	7.796	-0.011	90	109532	20.0	19.1	
78 N-Nitrosodiphenylamine	169	7.849	7.855	-0.006	66	683979	20.0	20.2	
79 1,2-Diphenylhydrazine	77	7.885	7.890	-0.005	96	395324	10.0	10.0	
\$ 80 2,4,6-Tribromophenol	330	7.967	7.973	-0.006	93	65475	10.0	9.72	
81 4-Bromophenyl phenyl ether	248	8.208	8.214	-0.006	92	136258	10.0	9.55	
83 Hexachlorobenzene	284	8.273	8.279	-0.006	97	140397	10.0	9.69	
85 Pentachlorophenol	266	8.467	8.473	-0.006	92	123598	20.0	19.5	
86 Pentachloronitrobenzene	237	8.485	8.485	0.000	89	51617	10.0	9.98	
87 n-Octadecane	57	8.555	8.561	-0.006	93	285371	10.0	10.0	
* 88 Phenanthrene-d10	188	8.649	8.649	0.000	98	2055020	40.0	40.0	
89 Phenanthrene	178	8.667	8.673	-0.006	97	581973	10.0	10.0	
90 Anthracene	178	8.720	8.720	0.000	99	589158	10.0	10.1	
91 Carbazole	167	8.879	8.879	0.000	96	460910	10.0	10.1	
92 Di-n-butyl phthalate	149	9.226	9.232	-0.006	100	526266	10.0	9.86	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	9.831	9.837	-0.006	99	490332	10.0	9.79	
94 Benzidine	184	9.967	9.967	0.000	99	163487	10.0	8.59	
95 Pyrene	202	10.055	10.061	-0.006	99	488421	10.0	10.4	
82 Bisphenol-A	213	10.108	10.108	0.000	99	165304	10.0	9.93	
\$ 96 Terphenyl-d14	244	10.214	10.214	0.000	99	338822	10.0	9.74	
97 Butyl benzyl phthalate	149	10.726	10.731	-0.005	96	160191	10.0	9.96	
99 Carbamazepine	193	10.837	10.843	-0.006	92	94349	10.0	8.52	
100 3,3'-Dichlorobenzidine	252	11.326	11.331	-0.005	99	97668	10.0	9.18	
101 Benzo[a]anthracene	228	11.355	11.355	0.000	97	329100	10.0	9.64	
* 102 Chrysene-d12	240	11.367	11.367	0.000	99	1117068	40.0	40.0	
103 Chrysene	228	11.396	11.402	-0.006	99	297993	10.0	9.91	
104 Bis(2-ethylhexyl) phthalat	149	11.408	11.408	0.000	88	206903	10.0	9.79	
105 Di-n-octyl phthalate	149	12.243	12.249	-0.006	97	287372	10.0	10.0	
106 Benzo[b]fluoranthene	252	12.725	12.731	-0.006	98	229449	10.0	9.98	
107 Benzo[k]fluoranthene	252	12.767	12.767	0.000	98	253310	10.0	10.2	
108 Benzo[a]pyrene	252	13.161	13.167	-0.006	98	207702	10.0	9.80	
* 109 Perylene-d12	264	13.243	13.249	-0.006	100	774349	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.702	14.714	-0.012	98	170755	10.0	9.83	
111 Dibenz(a,h)anthracene	278	14.743	14.749	-0.006	98	172188	10.0	9.85	
112 Benzo[g,h,i]perylene	276	15.096	15.108	-0.012	98	172856	10.0	9.16	
S 119 Total Cresols	1				0			21.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

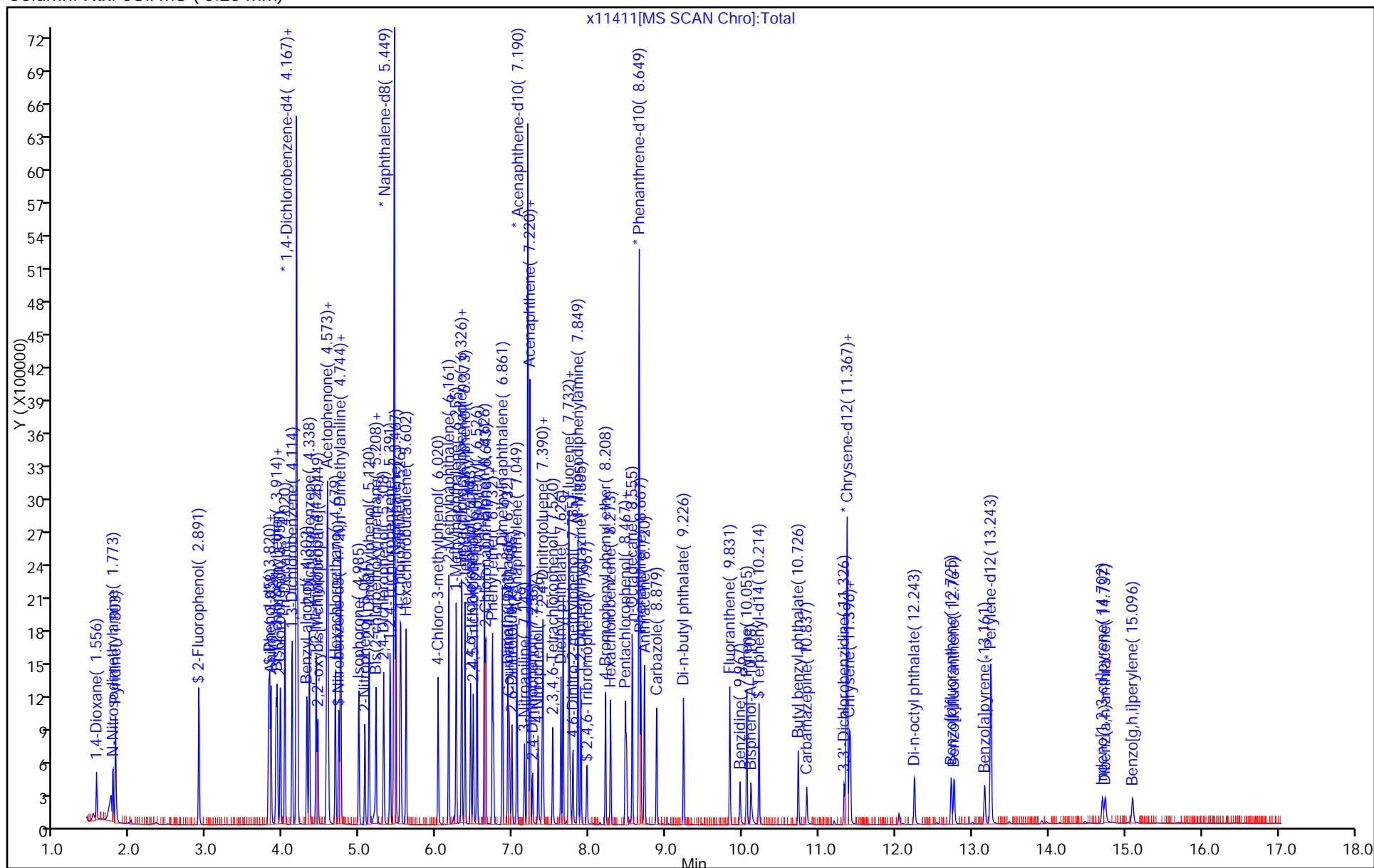
SV_IC_BNA_L4_00010

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160305-38060.b\\x11411.D		
Injection Date:	05-Mar-2016 14:54:30	Instrument ID:	CBNAMS5
Lims ID:	std10		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_5R	Limit Group:	SV 8270D ICA
Column:	Rtxi-5Sil MS (0.25 mm)		

ALS Bottle#: 6



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11412.D
 Lims ID: std5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 05-Mar-2016 15:18:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038060-007
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Mar-2016 01:49:29 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: bayoumiw

Date: 05-Mar-2016 15:49:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.555	1.550	0.005	99	63149	5.00	4.82	
2 N-Nitrosodimethylamine	74	1.773	1.773	0.000	81	83841	5.00	4.90	
3 Pyridine	79	1.808	1.797	0.011	88	143655	5.00	4.81	
\$ 4 2-Fluorophenol	112	2.891	2.897	-0.006	96	172885	5.00	5.00	
\$ 6 Phenol-d5	99	3.802	3.826	-0.024	87	200075	5.00	5.21	
7 Phenol	94	3.814	3.838	-0.024	99	212316	5.00	5.23	
8 Aniline	93	3.832	3.844	-0.012	100	235475	5.00	5.09	
9 Bis(2-chloroethyl)ether	93	3.897	3.914	-0.018	98	150799	5.00	4.95	
10 Benzonitrile	103	3.914	3.938	-0.024	66	299087	NC	NC	
11 2-Chlorophenol	128	3.955	3.967	-0.012	97	181406	5.00	5.16	
12 n-Decane	43	4.014	4.020	-0.006	89	176543	5.00	5.45	
13 1,3-Dichlorobenzene	146	4.114	4.114	0.000	95	206786	5.00	5.05	
* 14 1,4-Dichlorobenzene-d4	152	4.167	4.167	0.000	96	1044150	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.185	4.191	-0.006	95	209560	5.00	5.11	
16 Benzyl alcohol	108	4.302	4.320	-0.018	93	93394	5.00	4.92	
17 1,2-Dichlorobenzene	146	4.338	4.338	0.000	95	197877	5.00	5.16	
18 2-Methylphenol	108	4.426	4.438	-0.012	89	140800	5.00	5.16	
19 2,2'-oxybis[1-chloropropan	45	4.444	4.450	-0.006	92	194133	5.00	5.64	
20 N-Methylaniline	106	4.561	4.573	-0.012	91	235557	NC	NC	
21 Acetophenone	105	4.567	4.585	-0.018	92	201440	5.00	5.25	
22 N-Nitrosodi-n-propylamine	70	4.573	4.591	-0.018	90	100471	5.00	5.07	
24 4-Methylphenol	108	4.579	4.602	-0.023	89	160255	5.00	5.64	
23 3 & 4 Methylphenol	108	4.579	4.602	-0.023	92	160255	5.00	5.64	
25 Hexachloroethane	117	4.679	4.679	0.000	92	75476	5.00	5.04	
\$ 26 Nitrobenzene-d5	82	4.720	4.732	-0.012	89	167404	5.00	5.09	
28 Nitrobenzene	77	4.744	4.755	-0.011	96	209668	5.00	5.00	
27 n,n'-Dimethylaniline	120	4.749	4.755	-0.006	92	240048	5.00	5.13	
31 Isophorone	82	4.979	5.002	-0.023	98	241437	5.00	5.07	
32 2-Nitrophenol	139	5.061	5.067	-0.006	92	83268	5.00	4.96	
33 2,4-Dimethylphenol	122	5.114	5.126	-0.012	91	139863	5.00	5.10	
34 Bis(2-chloroethoxy)methane	93	5.208	5.214	-0.006	100	155135	5.00	5.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.185	5.273	-0.088	89	31374	5.00	5.17	
36 2,4-Dichlorophenol	162	5.308	5.314	-0.006	96	135653	5.00	5.01	
37 1,2,4-Trichlorobenzene	180	5.391	5.397	-0.005	94	159073	5.00	4.96	
* 38 Naphthalene-d8	136	5.449	5.449	0.000	99	3501330	40.0	40.0	
39 Naphthalene	128	5.467	5.473	-0.006	100	460302	5.00	5.11	
40 4-Chloroaniline	127	5.526	5.532	-0.006	97	180632	5.00	5.18	
41 Hexachlorobutadiene	225	5.602	5.602	0.000	95	96047	5.00	4.82	
43 4-Chloro-3-methylphenol	107	6.020	6.026	-0.006	96	115373	5.00	5.12	
44 2-Methylnaphthalene	142	6.161	6.161	0.000	86	310954	5.00	5.19	
45 1-Methylnaphthalene	142	6.255	6.261	-0.006	95	267753	5.00	5.23	
46 Hexachlorocyclopentadiene	237	6.326	6.332	-0.006	95	61617	5.00	3.55	
47 1,2,4,5-Tetrachlorobenzene	216	6.332	6.338	-0.006	98	146323	5.00	4.78	
48 2-tertbutyl-4-methylphenol	149	6.367	6.373	-0.006	92	211452	5.00	5.21	
49 2,4,6-Trichlorophenol	196	6.443	6.449	-0.006	92	83090	5.00	4.72	
50 2,4,5-Trichlorophenol	196	6.479	6.485	-0.006	98	86542	5.00	4.76	
\$ 51 2-Fluorobiphenyl	172	6.526	6.532	-0.006	98	339301	5.00	5.09	
52 1,1'-Biphenyl	154	6.626	6.632	-0.006	94	345325	5.00	5.01	
53 2-Chloronaphthalene	162	6.638	6.649	-0.011	98	271485	5.00	5.19	
54 Phenyl ether	170	6.732	6.732	0.000	85	186481	5.00	5.01	
56 2-Nitroaniline	65	6.743	6.749	-0.006	97	75816	5.00	4.96	
57 1,3-Dimethylnaphthalene	156	6.855	6.867	-0.012	93	218871	5.00	5.27	
58 Dimethyl phthalate	163	6.932	6.943	-0.011	100	241698	5.00	5.13	
59 Coumarin	146	6.943	6.955	-0.012	79	74696	5.00	5.44	
60 2,6-Dinitrotoluene	165	6.985	6.996	-0.011	96	57217	5.00	5.11	
61 Acenaphthylene	152	7.049	7.055	-0.006	97	372676	5.00	5.05	
64 3-Nitroaniline	138	7.149	7.161	-0.012	97	53550	5.00	4.98	
* 65 Acenaphthene-d10	164	7.190	7.190	0.000	92	1627684	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.220	7.226	-0.006	96	257688	5.00	4.80	
67 Acenaphthene	154	7.220	7.226	-0.006	94	232458	5.00	5.14	
68 2,4-Dinitrophenol	184	7.249	7.261	-0.012	97	23661	10.0	8.87	
69 4-Nitrophenol	65	7.326	7.338	-0.012	90	51542	10.0	8.26	
70 2,4-Dinitrotoluene	165	7.379	7.390	-0.011	97	63044	5.00	4.97	
71 Dibenzofuran	168	7.390	7.396	-0.006	95	339201	5.00	5.03	
72 2,3,4,6-Tetrachlorophenol	232	7.520	7.520	0.000	96	57193	5.00	4.54	
73 Diethyl phthalate	149	7.620	7.638	-0.018	99	220547	5.00	5.03	
75 Fluorene	166	7.726	7.732	-0.006	97	261599	5.00	5.10	
74 4-Chlorophenyl phenyl ethe	204	7.732	7.732	0.000	90	132469	5.00	5.07	
76 4-Nitroaniline	138	7.743	7.761	-0.018	86	42396	5.00	4.70	
77 4,6-Dinitro-2-methylphenol	198	7.779	7.796	-0.017	90	43588	10.0	8.94	
78 N-Nitrosodiphenylamine	169	7.843	7.855	-0.012	67	347877	10.0	9.85	
79 1,2-Diphenylhydrazine	77	7.884	7.890	-0.006	96	199851	5.00	4.87	
\$ 80 2,4,6-Tribromophenol	330	7.967	7.973	-0.006	93	33231	5.00	4.71	
81 4-Bromophenyl phenyl ether	248	8.208	8.214	-0.006	93	68711	5.00	4.62	
83 Hexachlorobenzene	284	8.273	8.279	-0.006	97	70188	5.00	4.65	
85 Pentachlorophenol	266	8.467	8.473	-0.006	93	52830	10.0	9.40	
86 Pentachloronitrobenzene	237	8.479	8.485	-0.006	88	25558	5.00	4.74	
87 n-Octadecane	57	8.555	8.561	-0.006	94	140053	5.00	4.73	
* 88 Phenanthrene-d10	188	8.649	8.649	0.000	98	2141983	40.0	40.0	
89 Phenanthrene	178	8.667	8.673	-0.006	96	302065	5.00	4.98	
90 Anthracene	178	8.714	8.720	-0.006	99	303629	5.00	4.99	
91 Carbazole	167	8.873	8.879	-0.006	96	230697	5.00	4.85	
92 Di-n-butyl phthalate	149	9.226	9.232	-0.006	100	268101	5.00	4.82	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	9.831	9.837	-0.006	99	245896	5.00	4.71	
94 Benzidine	184	9.967	9.967	0.000	99	78402	5.00	3.95	
95 Pyrene	202	10.055	10.061	-0.006	98	241812	5.00	5.12	
82 Bisphenol-A	213	10.108	10.108	0.000	99	84362	5.00	5.05	
\$ 96 Terphenyl-d14	244	10.214	10.214	0.000	99	175966	5.00	5.04	
97 Butyl benzyl phthalate	149	10.725	10.731	-0.006	96	76511	5.00	4.74	
99 Carbamazepine	193	10.837	10.843	-0.006	93	38591	5.00	3.48	
100 3,3'-Dichlorobenzidine	252	11.325	11.331	-0.006	99	47089	5.00	4.41	
101 Benzo[a]anthracene	228	11.355	11.355	0.000	97	159658	5.00	4.66	
* 102 Chrysene-d12	240	11.367	11.367	0.000	99	1120670	40.0	40.0	
103 Chrysene	228	11.396	11.402	-0.006	99	147938	5.00	4.90	
104 Bis(2-ethylhexyl) phthalat	149	11.408	11.408	0.000	88	97734	5.00	4.61	
105 Di-n-octyl phthalate	149	12.249	12.249	0.000	97	131171	5.00	4.55	
106 Benzo[b]fluoranthene	252	12.725	12.731	-0.006	98	109793	5.00	4.77	
107 Benzo[k]fluoranthene	252	12.761	12.767	-0.006	98	120244	5.00	4.85	
108 Benzo[a]pyrene	252	13.161	13.167	-0.006	99	100693	5.00	4.74	
* 109 Perylene-d12	264	13.243	13.249	-0.006	99	775948	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.702	14.714	-0.012	98	86030	5.00	4.94	M
111 Dibenz(a,h)anthracene	278	14.737	14.749	-0.012	95	81910	5.00	4.68	
112 Benzo[g,h,i]perylene	276	15.096	15.108	-0.012	98	84201	5.00	4.45	
S 119 Total Cresols	1				0			10.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

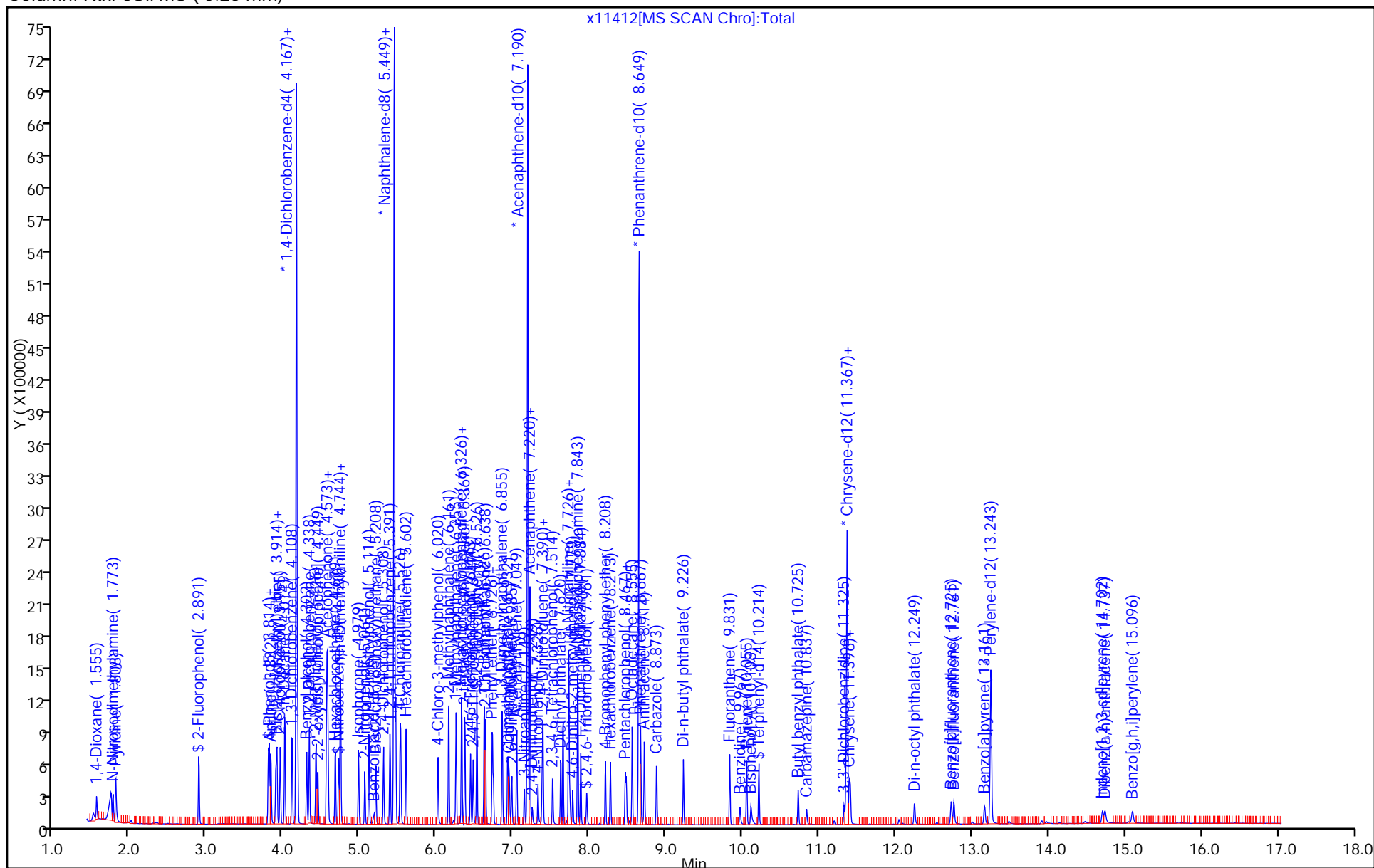
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Amount Added: 1.00

Units: mL

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Injection Date:	05-Mar-2016 15:18:30	Instrument ID:	CBNAMS5
Lims ID:	std5		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_5R	Limit Group:	SV 8270D ICA
Column:	Rtxi-5Sil MS (0.25 mm)		

ALS Bottle#: 7



TestAmerica Edison

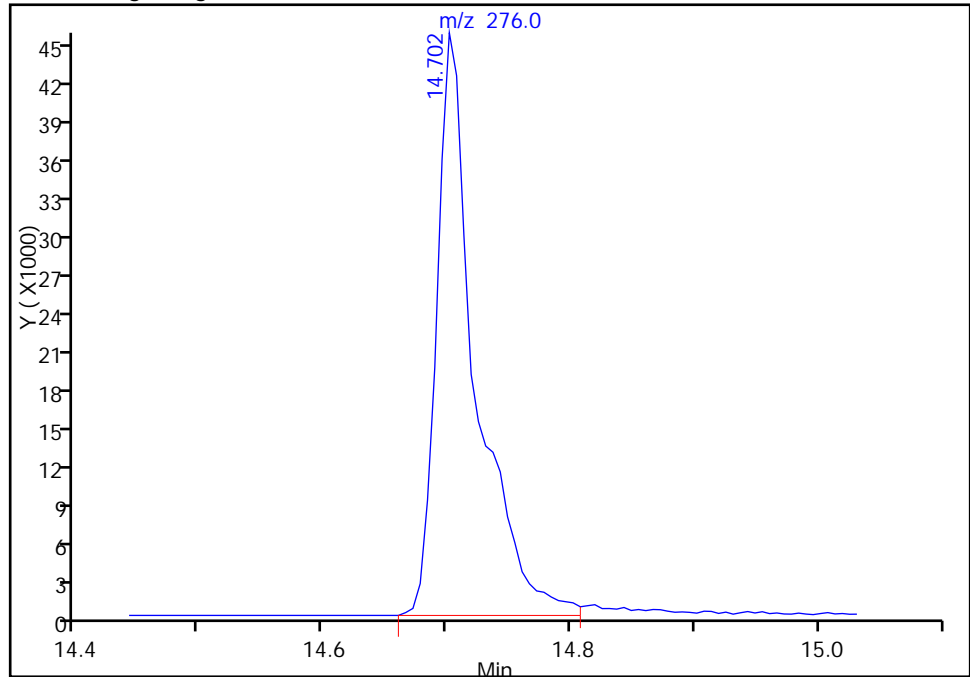
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Lims ID: std5
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 7 Worklist Smp#: 7
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

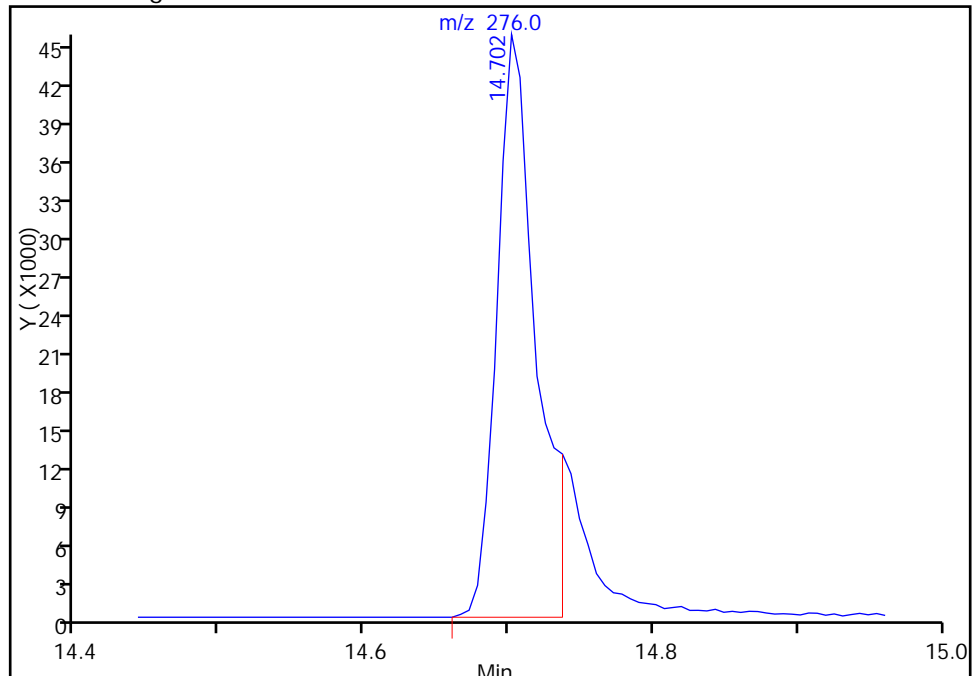
RT: 14.70
Area: 99931
Amount: 5.135302
Amount Units: ug/ml

Processing Integration Results



RT: 14.70
Area: 86030
Amount: 4.940634
Amount Units: ug/ml

Manual Integration Results



Reviewer: bayoumiw, 05-Mar-2016 15:49:18
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11413.D
 Lims ID: std2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 05-Mar-2016 15:41:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038060-008
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Mar-2016 01:49:19 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: bayoumiw

Date: 05-Mar-2016 16:28:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	2.897	2.897	0.000	96	71370	2.00	2.05	
\$ 6 Phenol-d5	99	3.802	3.826	-0.024	91	81362	2.00	2.10	
9 Bis(2-chloroethyl)ether	93	3.896	3.914	-0.018	98	59404	2.00	1.94	
* 14 1,4-Dichlorobenzene-d4	152	4.167	4.167	0.000	96	1052043	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.573	4.591	-0.018	90	40836	2.00	2.05	
25 Hexachloroethane	117	4.679	4.679	0.000	91	29760	2.00	1.97	
\$ 26 Nitrobenzene-d5	82	4.720	4.732	-0.012	90	68949	2.00	2.08	
28 Nitrobenzene	77	4.743	4.755	-0.012	93	82771	2.00	1.95	
27 n,n'-Dimethylaniline	120	4.749	4.755	-0.006	91	98559	2.00	2.09	
31 Isophorone	82	4.979	5.002	-0.023	98	99465	2.00	2.07	
36 2,4-Dichlorophenol	162	5.308	5.314	-0.006	96	55151	2.00	2.01	
37 1,2,4-Trichlorobenzene	180	5.390	5.397	-0.006	93	67200	2.00	2.07	
* 38 Naphthalene-d8	136	5.449	5.449	0.000	99	3536637	40.0	40.0	
41 Hexachlorobutadiene	225	5.602	5.602	0.000	95	39085	2.00	1.94	
49 2,4,6-Trichlorophenol	196	6.443	6.449	-0.006	92	33861	2.00	1.85	
\$ 51 2-Fluorobiphenyl	172	6.526	6.532	-0.006	98	148775	2.00	2.14	
60 2,6-Dinitrotoluene	165	6.984	6.996	-0.012	96	22693	2.00	1.95	
* 65 Acenaphthene-d10	164	7.190	7.190	0.000	92	1695340	40.0	40.0	
68 2,4-Dinitrophenol	184	7.255	7.261	-0.006	93	3758	4.00	4.25	
70 2,4-Dinitrotoluene	165	7.379	7.390	-0.011	97	24605	2.00	1.86	
77 4,6-Dinitro-2-methylphenol	198	7.779	7.796	-0.017	92	11359	4.00	4.21	
78 N-Nitrosodiphenylamine	169	7.843	7.855	-0.012	65	154543	4.00	4.10	
\$ 80 2,4,6-Tribromophenol	330	7.967	7.973	-0.006	93	13642	2.00	1.85	
83 Hexachlorobenzene	284	8.273	8.279	-0.006	97	31058	2.00	1.93	
85 Pentachlorophenol	266	8.467	8.473	-0.006	93	15058	4.00	4.13	
* 88 Phenanthrene-d10	188	8.649	8.649	0.000	98	2283090	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.214	10.214	0.000	99	80584	2.00	2.18	
100 3,3'-Dichlorobenzidine	252	11.325	11.331	-0.006	98	17999	2.00	1.59	
101 Benzo[a]anthracene	228	11.349	11.355	-0.006	96	72372	2.00	2.00	
* 102 Chrysene-d12	240	11.367	11.367	0.000	99	1186003	40.0	40.0	
106 Benzo[b]fluoranthene	252	12.725	12.731	-0.006	98	46777	2.00	1.94	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
107 Benzo[k]fluoranthene	252	12.761	12.767	-0.006	98	48934	2.00	1.88	
108 Benzo[a]pyrene	252	13.161	13.167	-0.006	99	42235	2.00	1.90	
* 109 Perylene-d12	264	13.243	13.249	-0.006	99	812548	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.702	14.714	-0.012	99	31556	2.00	1.73	M
111 Dibenz(a,h)anthracene	278	14.737	14.749	-0.012	95	31745	2.00	1.73	M

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L0_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160305-38060.b\\x11413.D

Injection Date: 05-Mar-2016 15:41:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std2

Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul

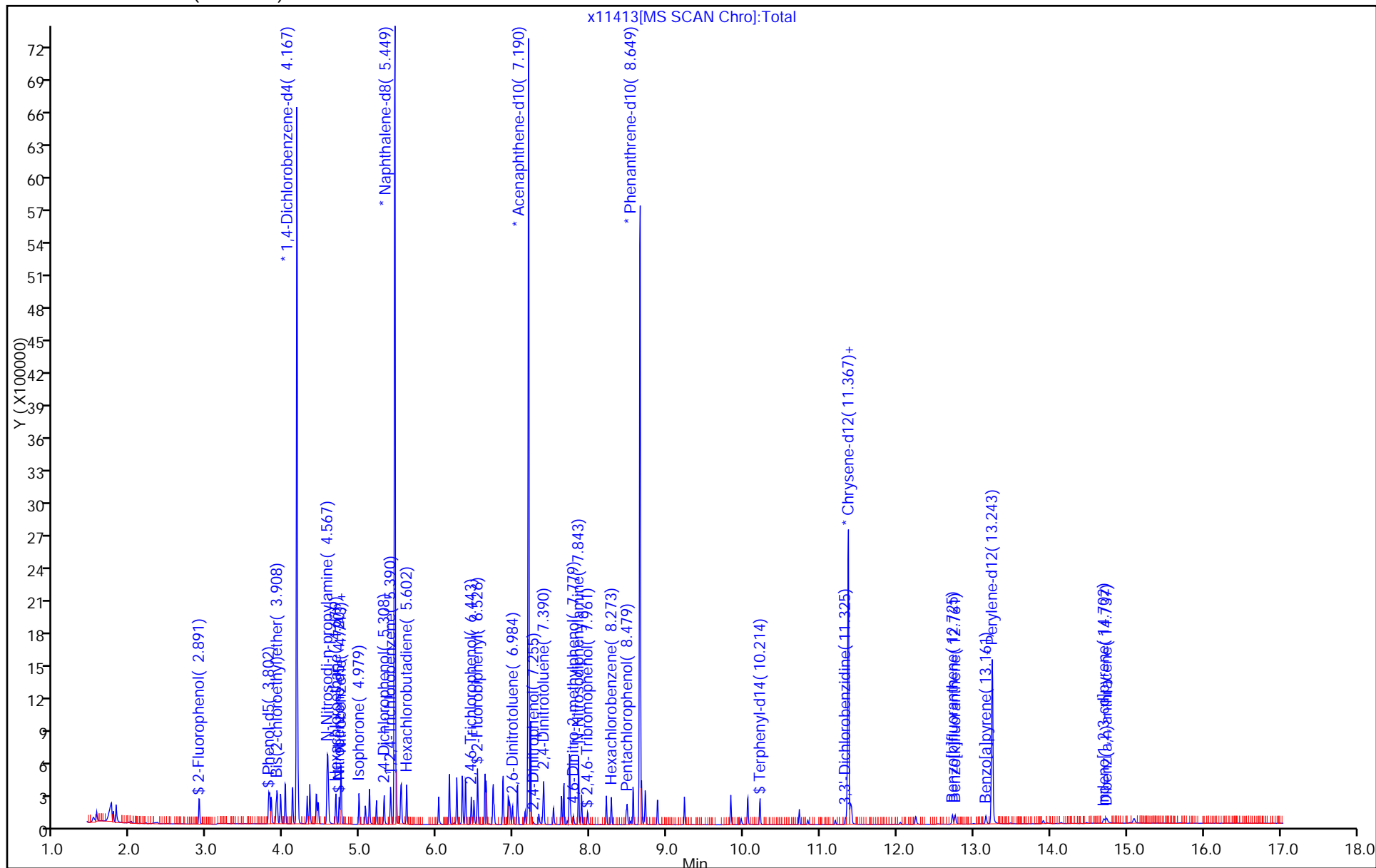
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

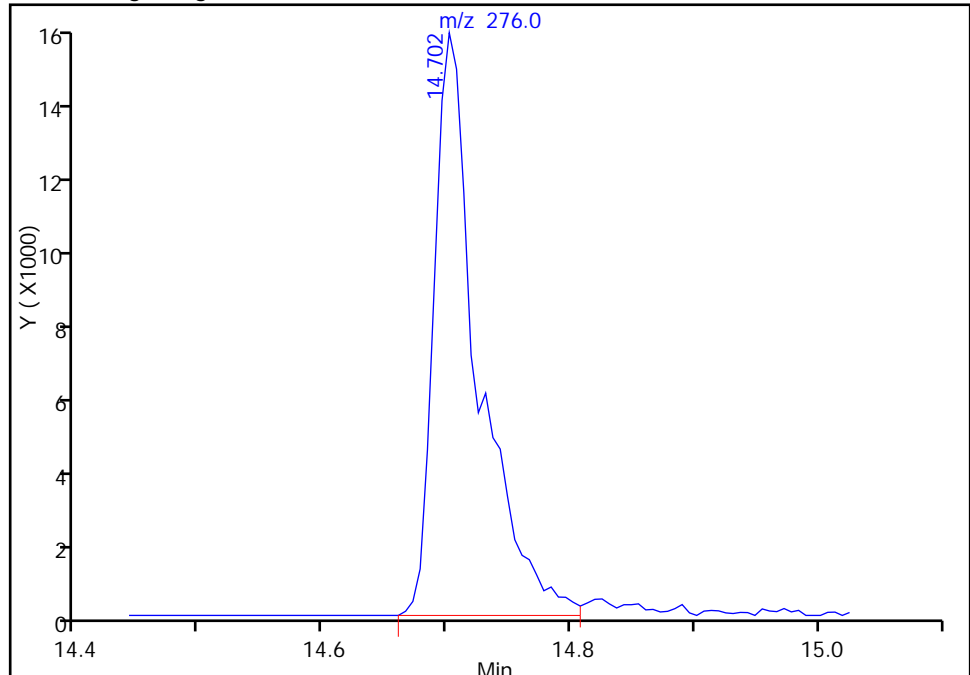
Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11413.D
Injection Date: 05-Mar-2016 15:41:30 Instrument ID: CBNAMS5
Lims ID: std2
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 8 Worklist Smp#: 8
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

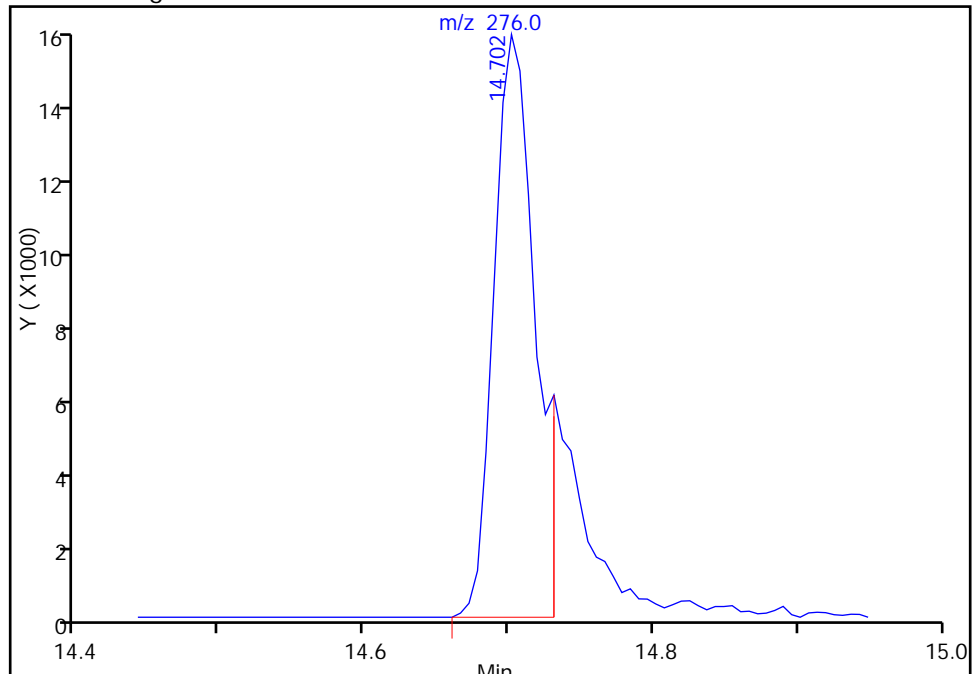
RT: 14.70
Area: 39225
Amount: 2.037981
Amount Units: ug/ml

Processing Integration Results



RT: 14.70
Area: 31556
Amount: 1.730606
Amount Units: ug/ml

Manual Integration Results



Reviewer: bayoumiw, 05-Mar-2016 16:28:45
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11413.D

Injection Date: 05-Mar-2016 15:41:30

Instrument ID: CBNAMS5

Lims ID: std2

Client ID:

Operator ID:

ALS Bottle#:

8

Worklist Smp#: 8

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

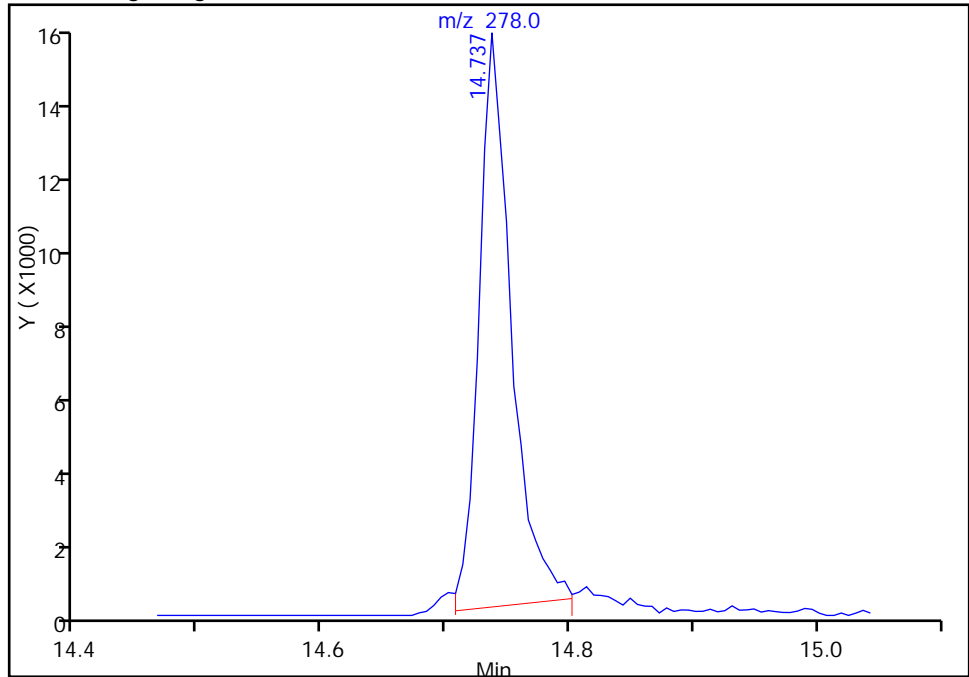
Detector

MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

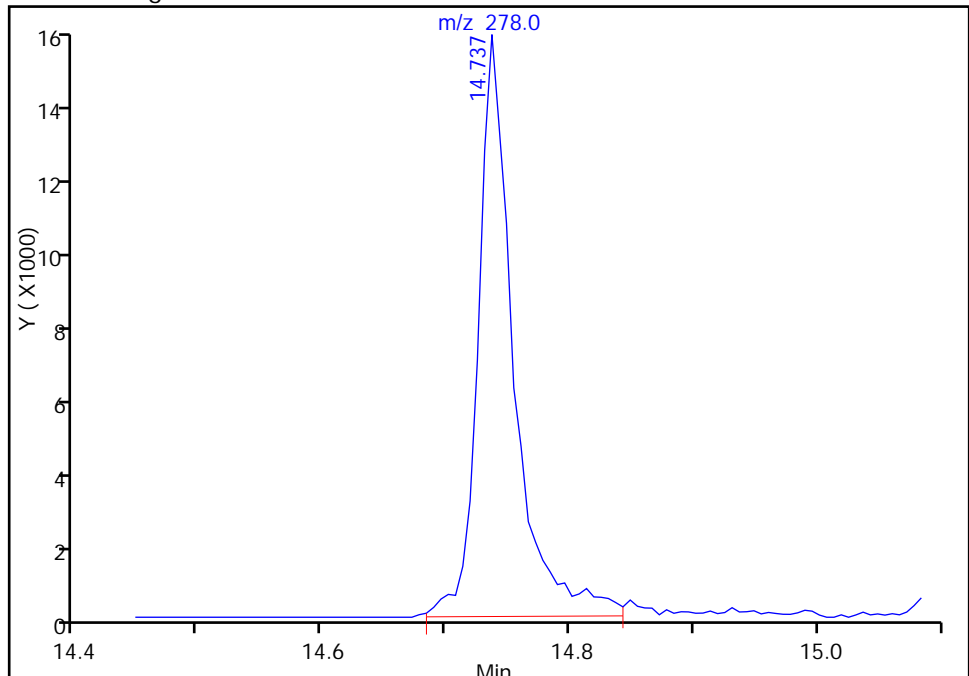
RT: 14.74
Area: 28396
Amount: 1.533005
Amount Units: ug/ml

Processing Integration Results



RT: 14.74
Area: 31745
Amount: 1.730598
Amount Units: ug/ml

Manual Integration Results



Reviewer: bayoumiw, 05-Mar-2016 16:28:45

Audit Action: Assigned New Baseline

Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11414.D
 Lims ID: std1
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 05-Mar-2016 16:04:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038060-009
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Mar-2016 01:49:11 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: bayoumiw

Date: 05-Mar-2016 16:29:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	2.897	2.897	0.000	97	31289	1.00	0.8784	
\$ 6 Phenol-d5	99	3.802	3.826	-0.024	92	38113	1.00	0.9621	
9 Bis(2-chloroethyl)ether	93	3.897	3.914	-0.017	98	32061	1.00	1.02	
* 14 1,4-Dichlorobenzene-d4	152	4.167	4.167	0.000	96	1076602	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.573	4.591	-0.018	87	22798	1.00	1.12	
25 Hexachloroethane	117	4.673	4.679	-0.006	92	15764	1.00	1.02	
\$ 26 Nitrobenzene-d5	82	4.720	4.732	-0.012	87	32229	1.00	0.9328	
28 Nitrobenzene	77	4.744	4.755	-0.011	93	44674	1.00	1.01	
27 n,n'-Dimethylaniline	120	4.744	4.755	-0.011	96	49665	1.00	1.03	
37 1,2,4-Trichlorobenzene	180	5.391	5.397	-0.005	94	34604	1.00	1.03	
* 38 Naphthalene-d8	136	5.449	5.449	0.000	99	3678461	40.0	40.0	
41 Hexachlorobutadiene	225	5.602	5.602	0.000	95	20983	1.00	1.00	
\$ 51 2-Fluorobiphenyl	172	6.526	6.532	-0.006	98	66216	1.00	0.9156	
60 2,6-Dinitrotoluene	165	6.985	6.996	-0.011	97	11914	1.00	0.9825	
* 65 Acenaphthene-d10	164	7.190	7.190	0.000	92	1764266	40.0	40.0	
70 2,4-Dinitrotoluene	165	7.379	7.390	-0.011	96	12725	1.00	0.9246	
\$ 80 2,4,6-Tribromophenol	330	7.967	7.973	-0.006	92	5790	1.00	0.7564	
83 Hexachlorobenzene	284	8.273	8.279	-0.006	95	16477	1.00	0.9638	
* 88 Phenanthrene-d10	188	8.649	8.649	0.000	98	2424899	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.214	10.214	0.000	99	37567	1.00	0.9453	
101 Benzo[a]anthracene	228	11.355	11.355	0.000	96	41213	1.00	1.06	
* 102 Chrysene-d12	240	11.367	11.367	0.000	99	1276090	40.0	40.0	
106 Benzo[b]fluoranthene	252	12.725	12.731	-0.006	99	24120	1.00	0.9439	
107 Benzo[k]fluoranthene	252	12.761	12.767	-0.006	97	26803	1.00	0.9742	
108 Benzo[a]pyrene	252	13.161	13.167	-0.006	97	21692	1.00	0.9209	
* 109 Perylene-d12	264	13.243	13.249	-0.006	99	860575	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.702	14.714	-0.012	98	15897	1.00	0.8232	
111 Dibenz(a,h)anthracene	278	14.737	14.749	-0.012	94	16029	1.00	0.8251	

Reagents:

SV_IC_BNA_L2_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160305-38060.b\\x11414.D

Injection Date: 05-Mar-2016 16:04:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std1

Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul

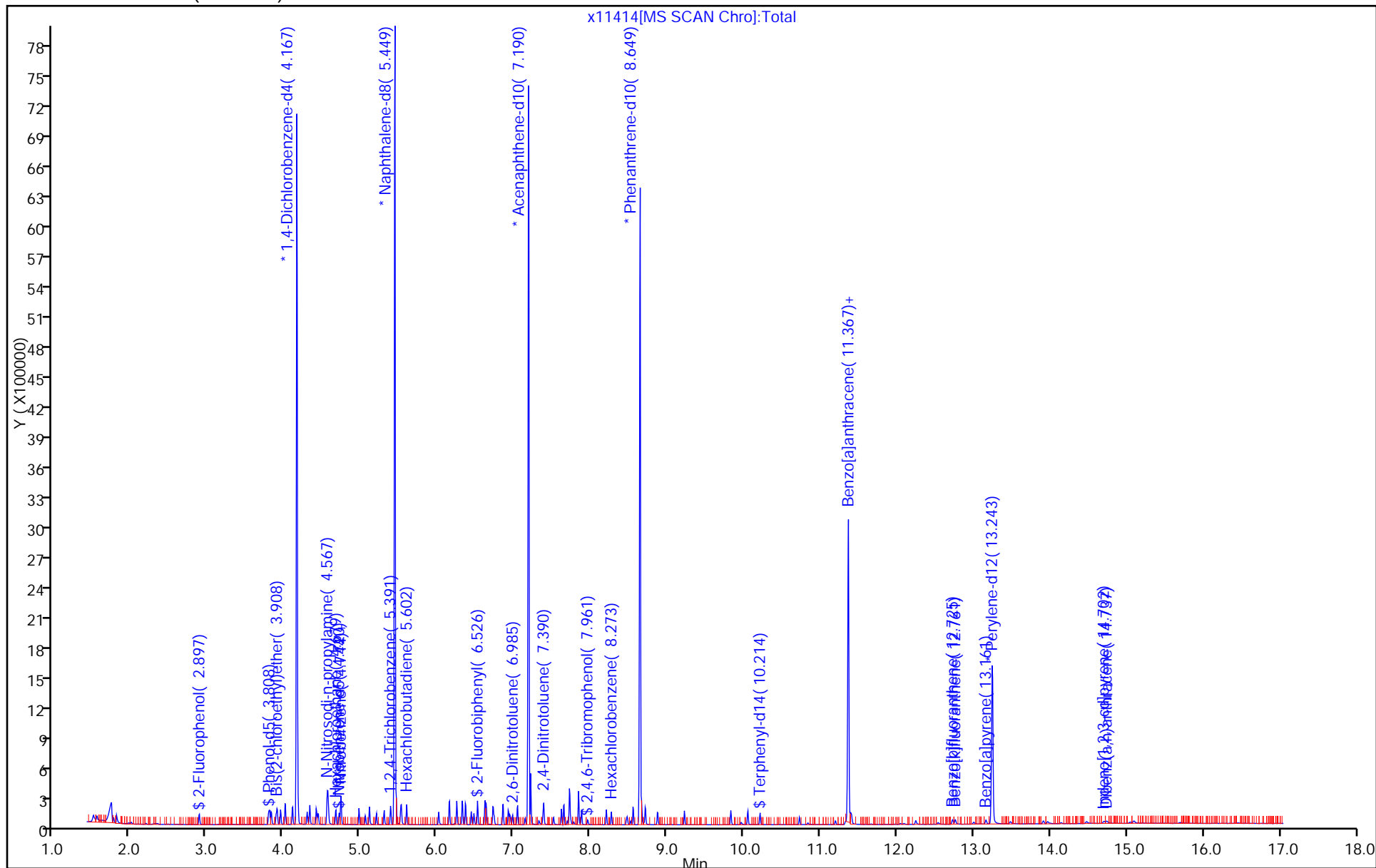
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11415.D
 Lims ID: std05
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 05-Mar-2016 16:28:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038060-010
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Mar-2016 01:49:05 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: bayoumiw

Date: 05-Mar-2016 17:45:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
9 Bis(2-chloroethyl)ether	93	3.896	3.914	-0.018	99	15624	0.5000	0.5266	
* 14 1,4-Dichlorobenzene-d4	152	4.167	4.167	0.000	96	1017407	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.573	4.591	-0.018	90	10591	0.5000	0.5487	
25 Hexachloroethane	117	4.679	4.679	0.000	93	7663	0.5000	0.5250	
\$ 26 Nitrobenzene-d5	82	4.720	4.732	-0.012	89	14892	0.5000	0.4640	
28 Nitrobenzene	77	4.743	4.755	-0.012	92	20376	0.5000	0.4978	
27 n,n'-Dimethylaniline	120	4.743	4.755	-0.012	95	23908	0.5000	0.5244	
37 1,2,4-Trichlorobenzene	180	5.390	5.397	-0.006	94	16357	0.5000	0.5226	
* 38 Naphthalene-d8	136	5.443	5.449	-0.006	100	3416888	40.0	40.0	
\$ 51 2-Fluorobiphenyl	172	6.526	6.532	-0.006	98	30563	0.5000	0.4553	
* 65 Acenaphthene-d10	164	7.190	7.190	0.000	92	1637467	40.0	40.0	
83 Hexachlorobenzene	284	8.273	8.279	-0.006	97	7054	0.5000	0.4605	
* 88 Phenanthrene-d10	188	8.649	8.649	0.000	98	2172807	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.214	10.214	0.000	98	16627	0.5000	0.4567	
101 Benzo[a]anthracene	228	11.355	11.355	0.000	96	19601	0.5000	0.5489	
* 102 Chrysene-d12	240	11.367	11.367	0.000	99	1168896	40.0	40.0	
106 Benzo[b]fluoranthene	252	12.725	12.731	-0.006	99	10617	0.5000	0.4573	
107 Benzo[k]fluoranthene	252	12.761	12.767	-0.006	98	12203	0.5000	0.4882	
108 Benzo[a]pyrene	252	13.161	13.167	-0.006	97	10225	0.5000	0.4778	
* 109 Perylene-d12	264	13.249	13.249	0.000	99	781871	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.702	14.714	-0.012	98	6719	0.5000	0.3829	
111 Dibenz(a,h)anthracene	278	14.737	14.749	-0.012	93	7328	0.5000	0.4152	

Reagents:

SV_IC_BNA_L1_00011

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160305-38060.b\\x11415.D

Injection Date: 05-Mar-2016 16:28:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std05

Worklist Smp#: 10

Client ID:

Injection Vol: 1.0 ul

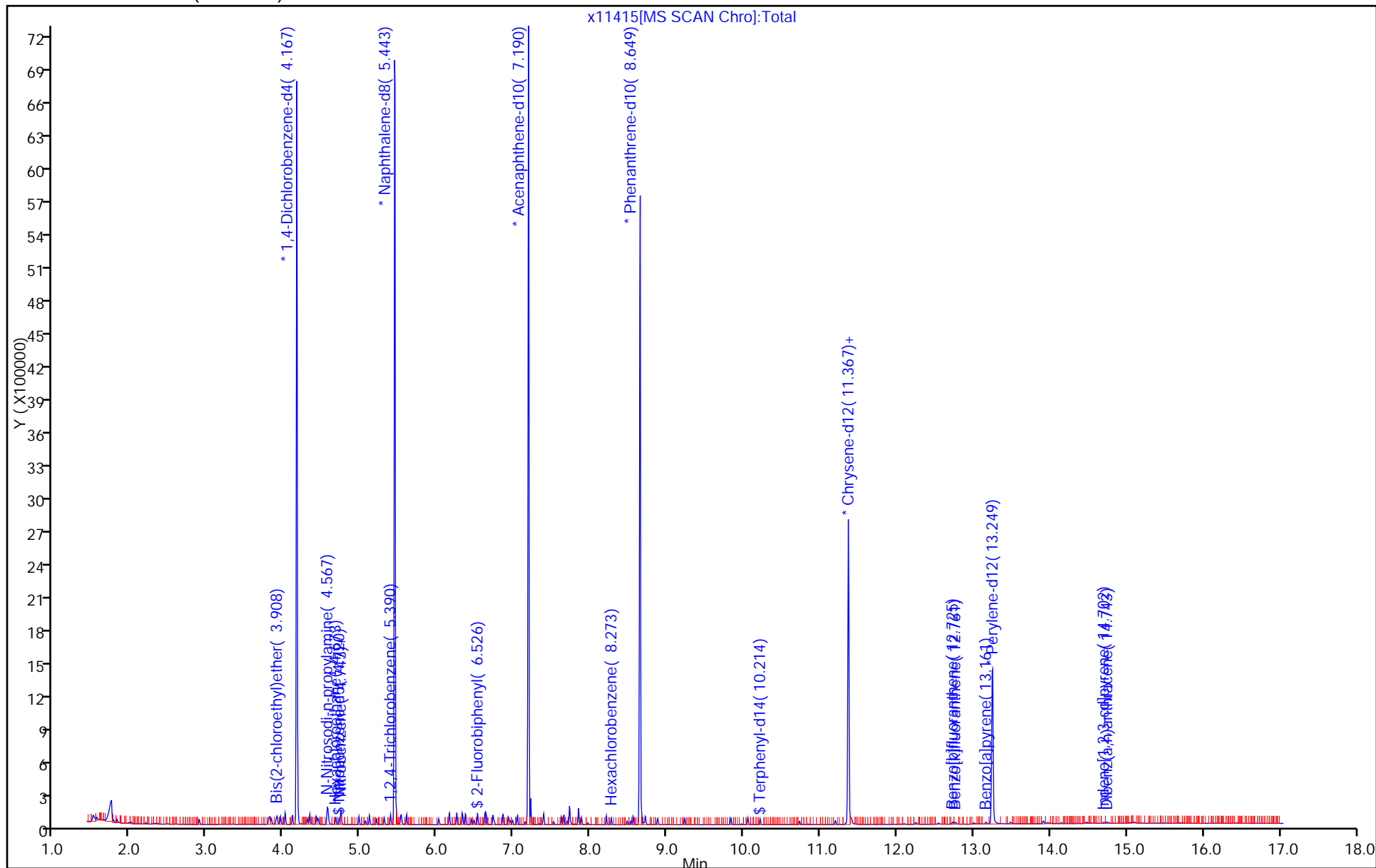
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-109448-1 Analy Batch No.: 354233

SDG No.: _____

Instrument ID: CBNAM5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/05/2016 16:51 Calibration End Date: 03/05/2016 19:12 Calibration ID: 54722

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 460-354233/17	x11422.D
Level 2	STD5 460-354233/16	x11421.D
Level 3	STD10 460-354233/15	x11420.D
Level 4	STD20 460-354233/14	x11419.D
Level 5	STD50 460-354233/11	x11416.D
Level 6	STD80 460-354233/13	x11418.D
Level 7	STD120 460-354233/12	x11417.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzaldehyde	0.9543	0.9912 0.9909	0.9694	1.0316	1.0022	Ave		0.9899			0.0100	2.7		20.0			
Caprolactam	0.0795	0.0677 0.0829	0.0731	0.0792	0.0797	Ave		0.0770			0.0100	7.2		20.0			
Atrazine	0.2022 0.1926	0.1981 0.2064	0.2012	0.2174	0.2046	Ave		0.2032			0.0100	3.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-109448-1 Analy Batch No.: 354233

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/05/2016 16:51 Calibration End Date: 03/05/2016 19:12 Calibration ID: 54722

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 460-354233/17	x11422.D
Level 2	STD5 460-354233/16	x11421.D
Level 3	STD10 460-354233/15	x11420.D
Level 4	STD20 460-354233/14	x11419.D
Level 5	STD50 460-354233/11	x11416.D
Level 6	STD80 460-354233/13	x11418.D
Level 7	STD120 460-354233/12	x11417.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzaldehyde	DCB	Ave	2089233	128228 3135273	245310	574272	1220990	80.0	5.00 120	10.0	20.0	50.0
Caprolactam	NPT	Ave	605080	29525 904897	63843	149446	331973	80.0	5.00 120	10.0	20.0	50.0
Atrazine	PHN	Ave	26322 1003795	56952 1516863	119161	271680	562939	2.00 80.0	5.00 120	10.0	20.0	50.0

Curve Type Legend:

Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11416.D
 Lims ID: std50
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 05-Mar-2016 16:51:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038060-011
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Mar-2016 01:48:55 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: bayoumiw

Date: 05-Mar-2016 17:45:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.732	3.732	0.000	93	1220990	50.0	50.6	
* 14 1,4-Dichlorobenzene-d4	152	4.167	4.167	0.000	97	974602	40.0	40.0	
* 38 Naphthalene-d8	136	5.449	5.449	0.000	99	3330768	40.0	40.0	
42 Caprolactam	113	5.867	5.867	0.000	93	331973	50.0	51.8	
* 65 Acenaphthene-d10	164	7.190	7.190	0.000	92	1598048	40.0	40.0	
84 Atrazine	200	8.384	8.384	0.000	96	562939	50.0	50.3	
* 88 Phenanthrene-d10	188	8.649	8.649	0.000	98	2200883	40.0	40.0	
* 102 Chrysene-d12	240	11.367	11.367	0.000	99	1228768	40.0	40.0	
* 109 Perylene-d12	264	13.249	13.249	0.000	99	816218	40.0	40.0	

Reagents:

SV_IC-S_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160305-38060.b\\x11416.D

Injection Date: 05-Mar-2016 16:51:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std50

Worklist Smp#: 11

Client ID:

Injection Vol: 1.0 ul

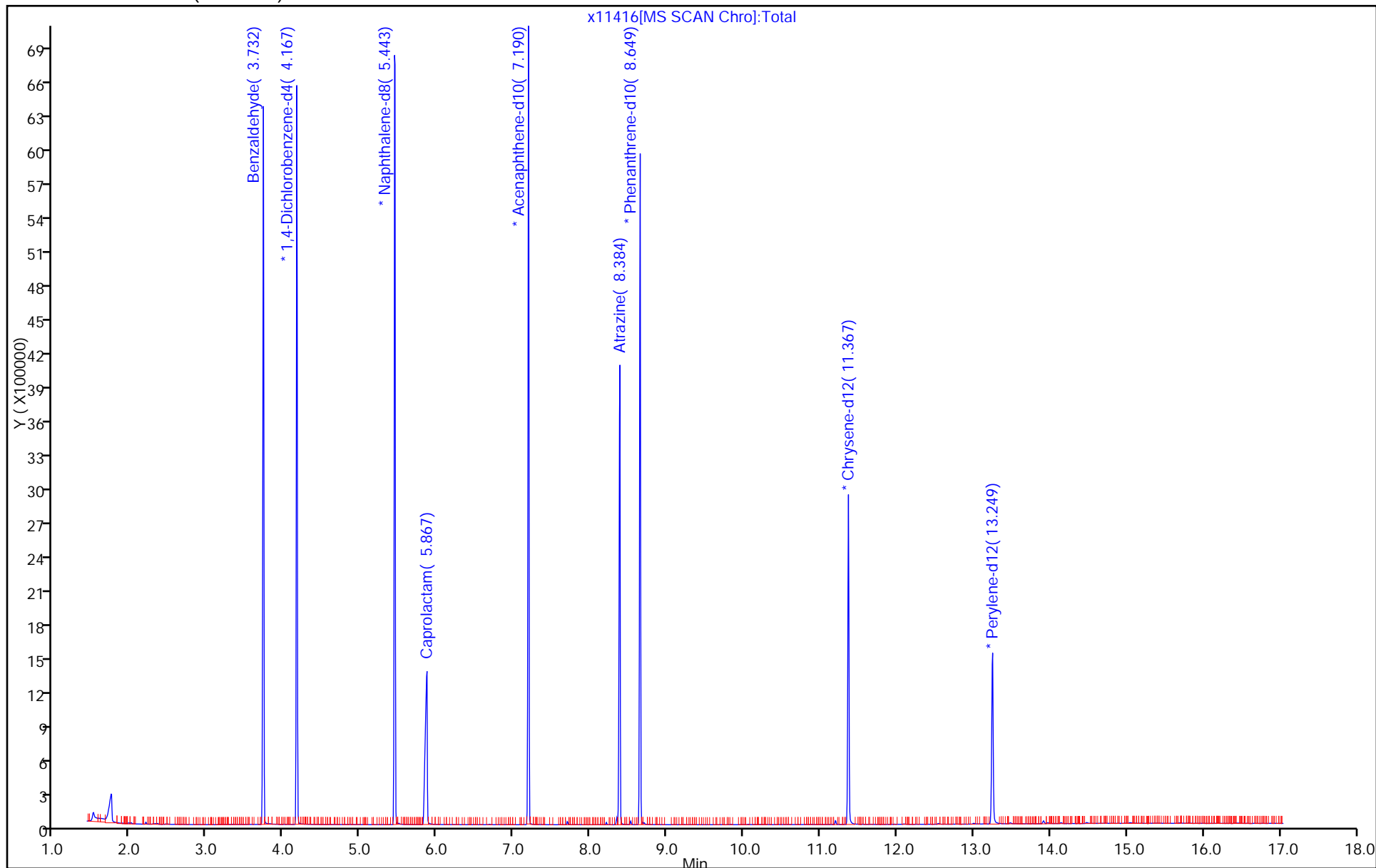
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11417.D
 Lims ID: std120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 05-Mar-2016 17:15:30 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038060-012
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Mar-2016 01:48:43 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: bayoumiw

Date: 05-Mar-2016 18:17:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.744	3.732	0.012	94	3135273	120.0	120.1	
* 14 1,4-Dichlorobenzene-d4	152	4.167	4.173	-0.006	95	1054716	40.0	40.0	
* 38 Naphthalene-d8	136	5.449	5.449	0.000	99	3638519	40.0	40.0	
42 Caprolactam	113	5.896	5.867	0.029	93	904897	120.0	129.1	
* 65 Acenaphthene-d10	164	7.191	7.196	-0.006	96	1610119	40.0	40.0	
84 Atrazine	200	8.390	8.384	0.006	96	1516863	120.0	121.9	
* 88 Phenanthrene-d10	188	8.649	8.649	0.000	98	2450179	40.0	40.0	
* 102 Chrysene-d12	240	11.367	11.367	0.000	99	1392394	40.0	40.0	
* 109 Perylene-d12	264	13.249	13.243	0.006	99	951320	40.0	40.0	

Reagents:

SV_IC-S_L8_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160305-38060.b\\x11417.D

Injection Date: 05-Mar-2016 17:15:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std120

Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul

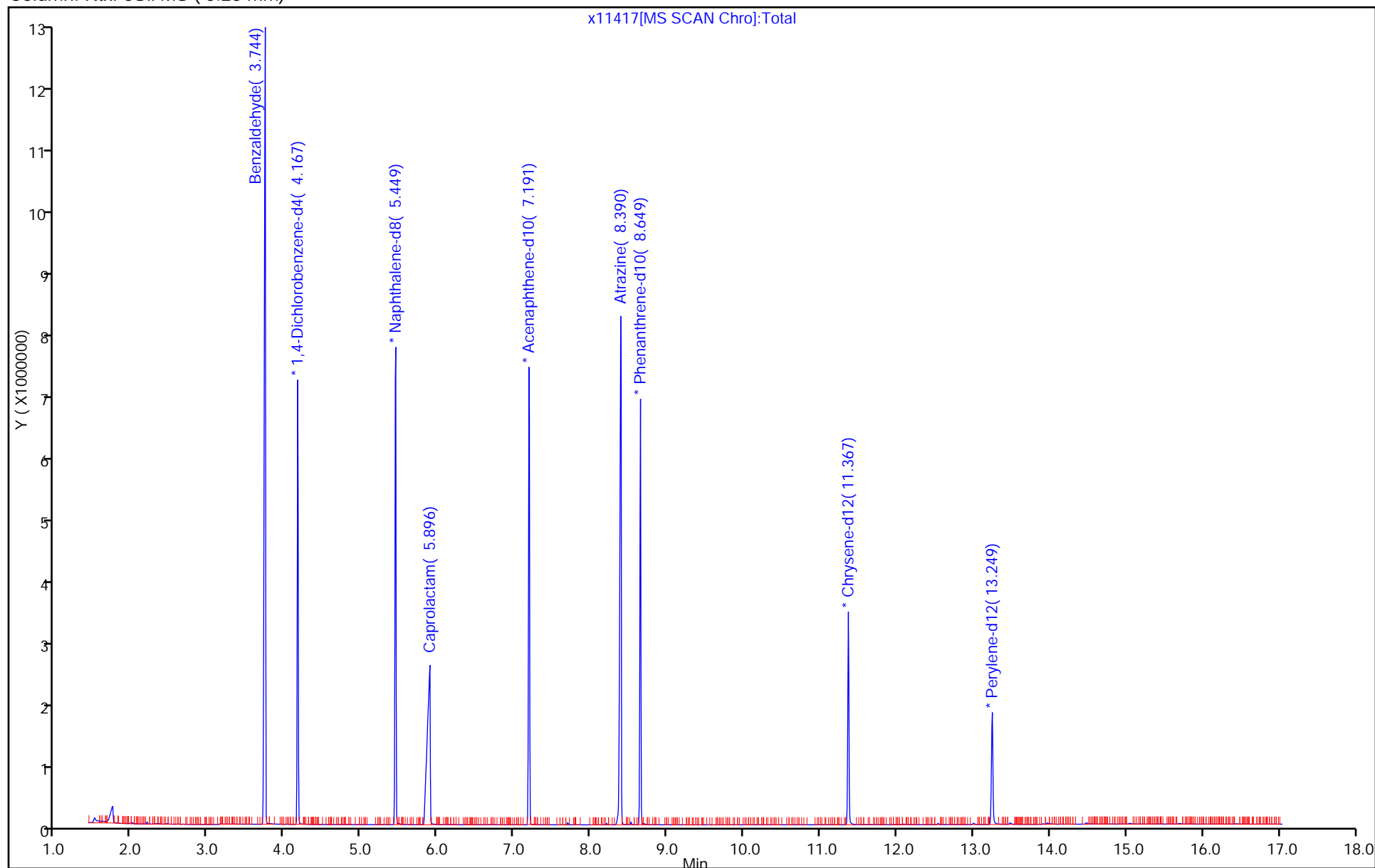
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11418.D
 Lims ID: std80
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 05-Mar-2016 17:38:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038060-013
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Mar-2016 01:48:34 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: bayoumiw

Date: 05-Mar-2016 18:18:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.738	3.732	0.006	94	2089233	80.0	77.1	
* 14 1,4-Dichlorobenzene-d4	152	4.167	4.173	-0.006	96	1094634	40.0	40.0	
* 38 Naphthalene-d8	136	5.443	5.449	-0.006	99	3803437	40.0	40.0	
42 Caprolactam	113	5.879	5.867	0.012	93	605080	80.0	82.6	
* 65 Acenaphthene-d10	164	7.190	7.196	-0.006	97	1654322	40.0	40.0	
84 Atrazine	200	8.390	8.384	0.006	96	1003795	80.0	75.8	
* 88 Phenanthrene-d10	188	8.649	8.649	0.000	98	2605333	40.0	40.0	
* 102 Chrysene-d12	240	11.367	11.367	0.000	99	1413756	40.0	40.0	
* 109 Perylene-d12	264	13.243	13.243	0.000	99	939892	40.0	40.0	

Reagents:

SV_IC-S_L7_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160305-38060.b\\x11418.D

Injection Date: 05-Mar-2016 17:38:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std80

Worklist Smp#: 13

Client ID:

Injection Vol: 1.0 ul

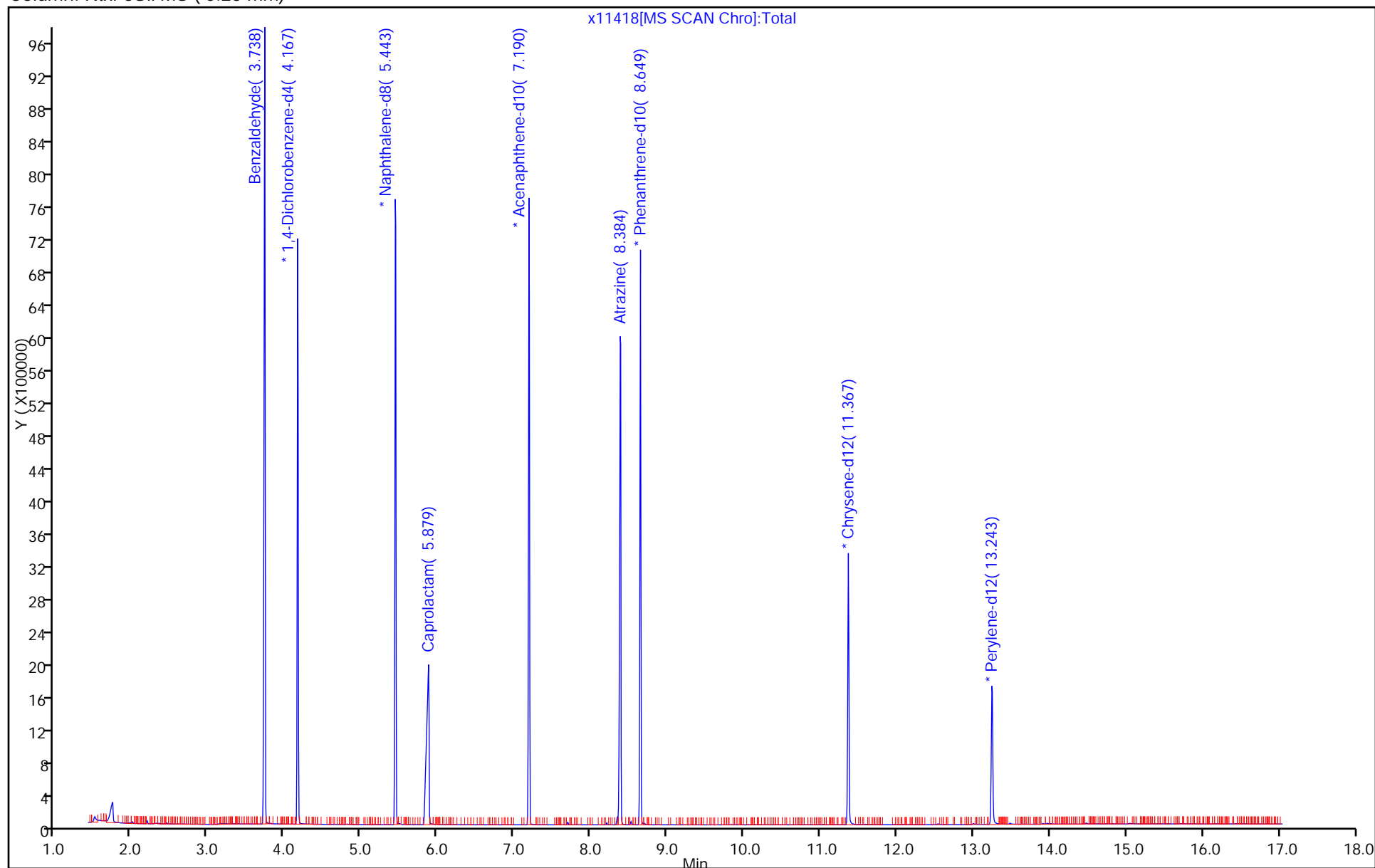
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11419.D
 Lims ID: std20
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 05-Mar-2016 18:01:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038060-014
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Mar-2016 01:48:28 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: bayoumiw

Date: 06-Mar-2016 01:43:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.726	3.732	-0.006	93	574272	20.0	20.8	
* 14 1,4-Dichlorobenzene-d4	152	4.167	4.173	-0.006	95	1113338	40.0	40.0	
* 38 Naphthalene-d8	136	5.444	5.449	-0.005	99	3774306	40.0	40.0	
42 Caprolactam	113	5.849	5.867	-0.018	93	149446	20.0	20.6	
* 65 Acenaphthene-d10	164	7.190	7.196	-0.006	96	1648511	40.0	40.0	
84 Atrazine	200	8.379	8.384	-0.005	96	271680	20.0	21.4	
* 88 Phenanthrene-d10	188	8.649	8.649	0.000	98	2499191	40.0	40.0	
* 102 Chrysene-d12	240	11.367	11.367	0.000	99	1290159	40.0	40.0	
* 109 Perylene-d12	264	13.249	13.243	0.006	99	879707	40.0	40.0	

Reagents:

SV_IC-S_L5_00007

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\x11419.D

Injection Date: 05-Mar-2016 18:01:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std20

Worklist Smp#: 14

Client ID:

Injection Vol: 1.0 ul

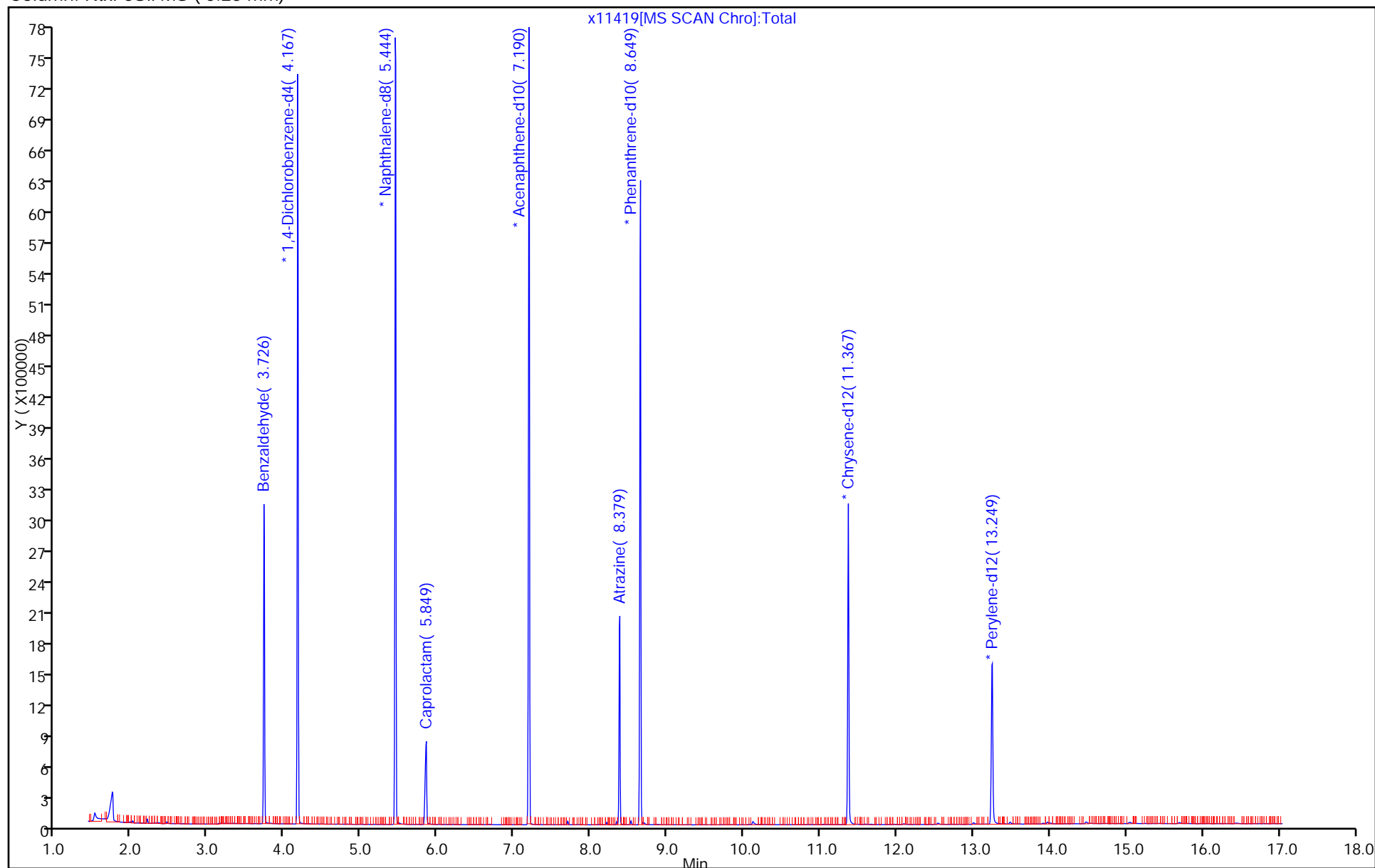
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11420.D
 Lims ID: std10
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 05-Mar-2016 18:25:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038060-015
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Mar-2016 01:48:19 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: bayoumiw

Date: 06-Mar-2016 01:43:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.726	3.732	-0.006	92	245310	10.0	9.79	
* 14 1,4-Dichlorobenzene-d4	152	4.167	4.173	-0.006	96	1012192	40.0	40.0	
* 38 Naphthalene-d8	136	5.443	5.449	-0.006	100	3493433	40.0	40.0	
42 Caprolactam	113	5.838	5.867	-0.029	93	63843	10.0	9.49	
* 65 Acenaphthene-d10	164	7.190	7.196	-0.006	96	1524281	40.0	40.0	
84 Atrazine	200	8.373	8.384	-0.011	96	119161	10.0	9.90	
* 88 Phenanthrene-d10	188	8.649	8.649	0.000	98	2369023	40.0	40.0	
* 102 Chrysene-d12	240	11.367	11.367	0.000	99	1294818	40.0	40.0	
* 109 Perylene-d12	264	13.249	13.243	0.006	99	882108	40.0	40.0	

Reagents:

SV_IC-S_L4_00019

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160305-38060.b\\x11420.D

Injection Date: 05-Mar-2016 18:25:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std10

Worklist Smp#: 15

Client ID:

Injection Vol: 1.0 ul

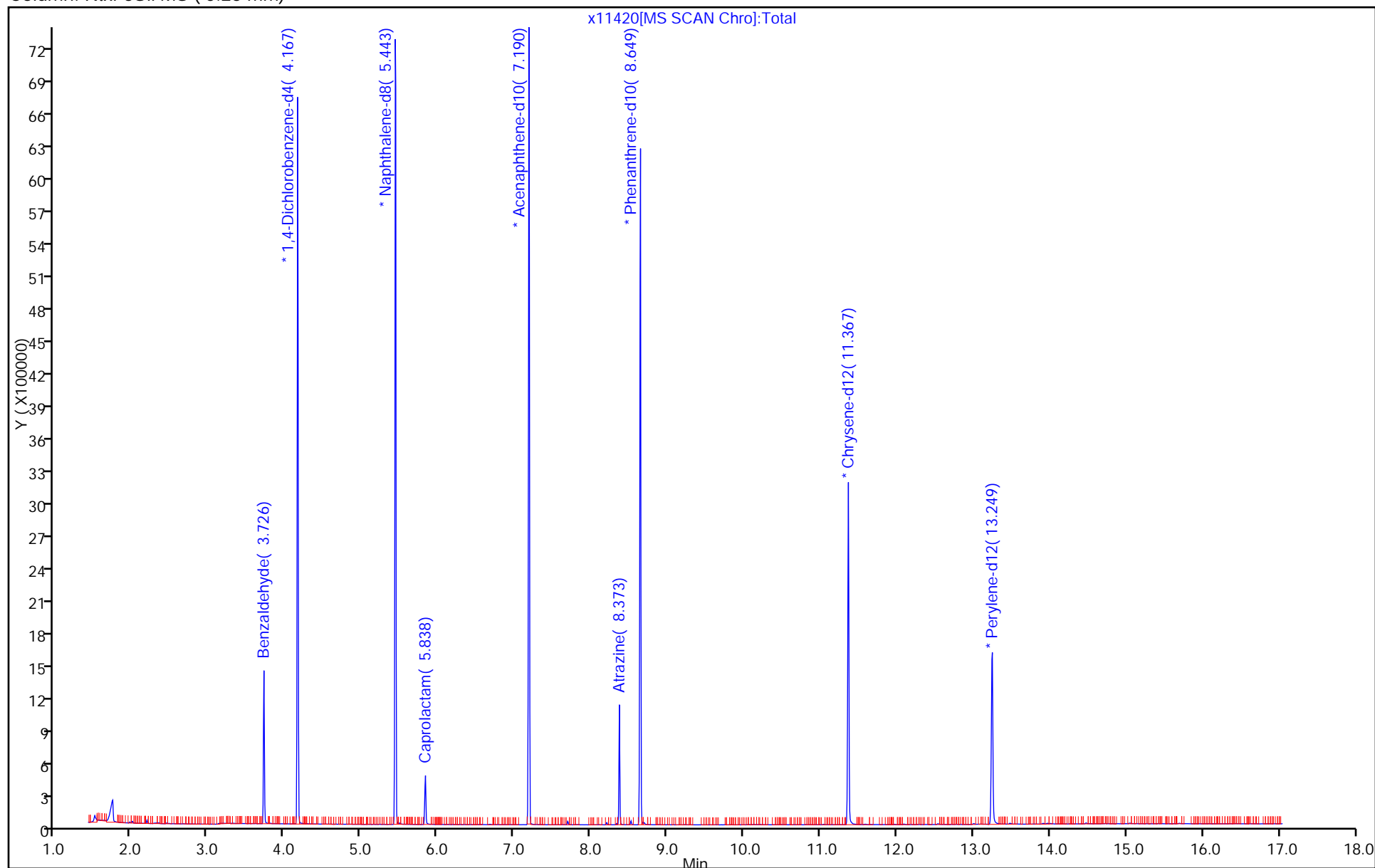
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11421.D
 Lims ID: std5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 05-Mar-2016 18:49:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038060-016
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Mar-2016 01:48:11 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: bayoumiw

Date: 06-Mar-2016 01:43:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.726	3.732	-0.006	93	128228	5.00	5.01	
* 14 1,4-Dichlorobenzene-d4	152	4.167	4.173	-0.006	96	1034902	40.0	40.0	
* 38 Naphthalene-d8	136	5.449	5.449	0.000	99	3489202	40.0	40.0	
42 Caprolactam	113	5.832	5.867	-0.035	92	29525	5.00	4.39	
* 65 Acenaphthene-d10	164	7.190	7.196	-0.006	97	1498945	40.0	40.0	
84 Atrazine	200	8.373	8.384	-0.011	95	56952	5.00	4.87	
* 88 Phenanthrene-d10	188	8.649	8.649	0.000	98	2299992	40.0	40.0	
* 102 Chrysene-d12	240	11.367	11.367	0.000	99	1200360	40.0	40.0	
* 109 Perylene-d12	264	13.249	13.243	0.006	99	817938	40.0	40.0	

Reagents:

SV_IC-S_L3_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160305-38060.b\\x11421.D

Injection Date: 05-Mar-2016 18:49:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std5

Worklist Smp#: 16

Client ID:

Injection Vol: 1.0 ul

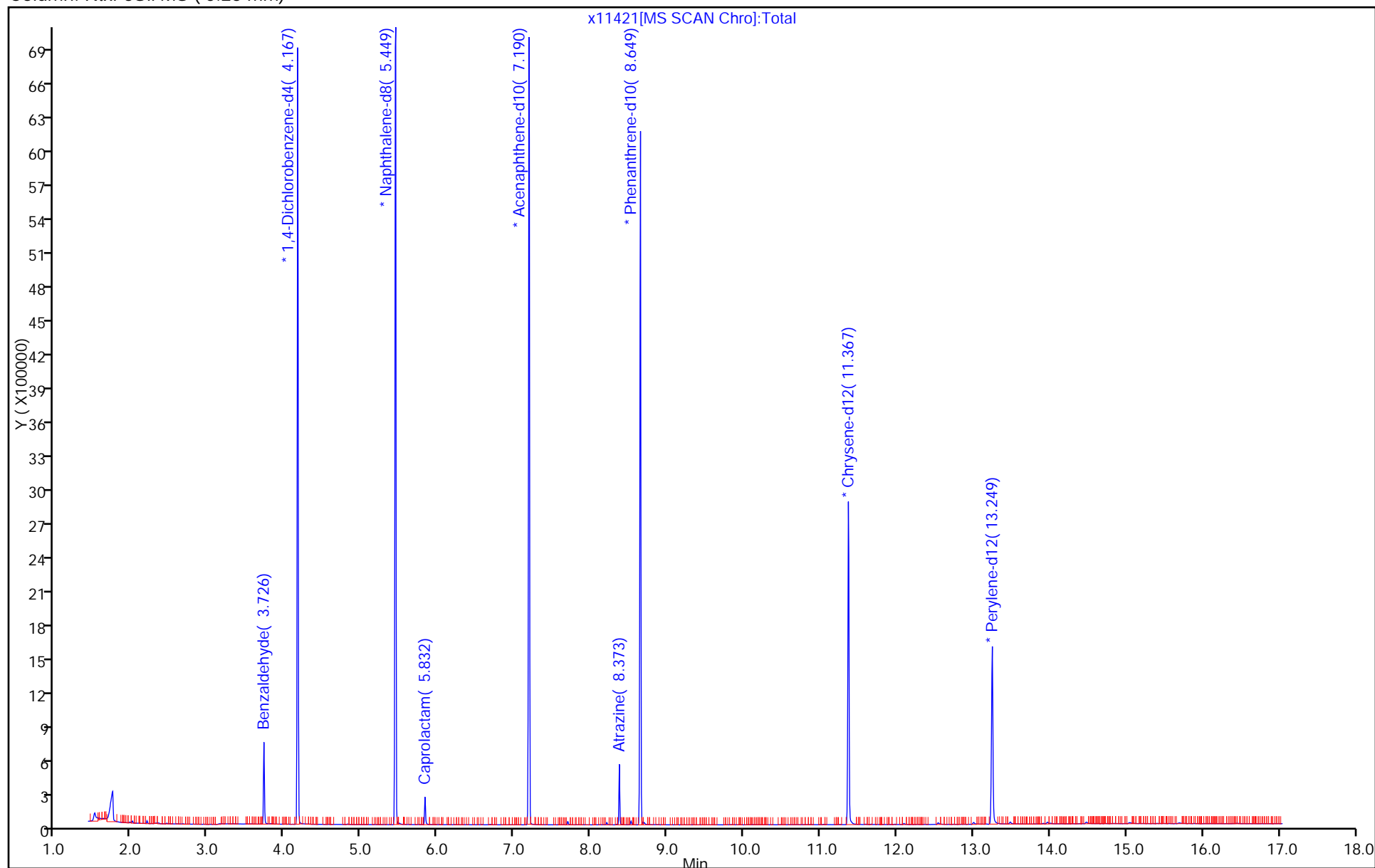
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Lims ID: std2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 05-Mar-2016 19:12:30 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038060-017
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Mar-2016 01:48:04 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: bayoumiw

Date: 06-Mar-2016 01:43:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.167	4.173	-0.006	96	1169282	40.0	40.0	
* 38 Naphthalene-d8	136	5.449	5.449	0.000	99	3866689	40.0	40.0	
* 65 Acenaphthene-d10	164	7.190	7.196	-0.006	96	1701789	40.0	40.0	
84 Atrazine	200	8.373	8.384	-0.011	95	26322	2.00	1.99	
* 88 Phenanthrene-d10	188	8.649	8.649	0.000	98	2603082	40.0	40.0	
* 102 Chrysene-d12	240	11.367	11.367	0.000	99	1381073	40.0	40.0	
* 109 Perylene-d12	264	13.249	13.243	0.006	99	948457	40.0	40.0	

Reagents:

SV_IC-S_L2_00007

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160305-38060.b\\x11422.D

Injection Date: 05-Mar-2016 19:12:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std2

Worklist Smp#: 17

Client ID:

Injection Vol: 1.0 ul

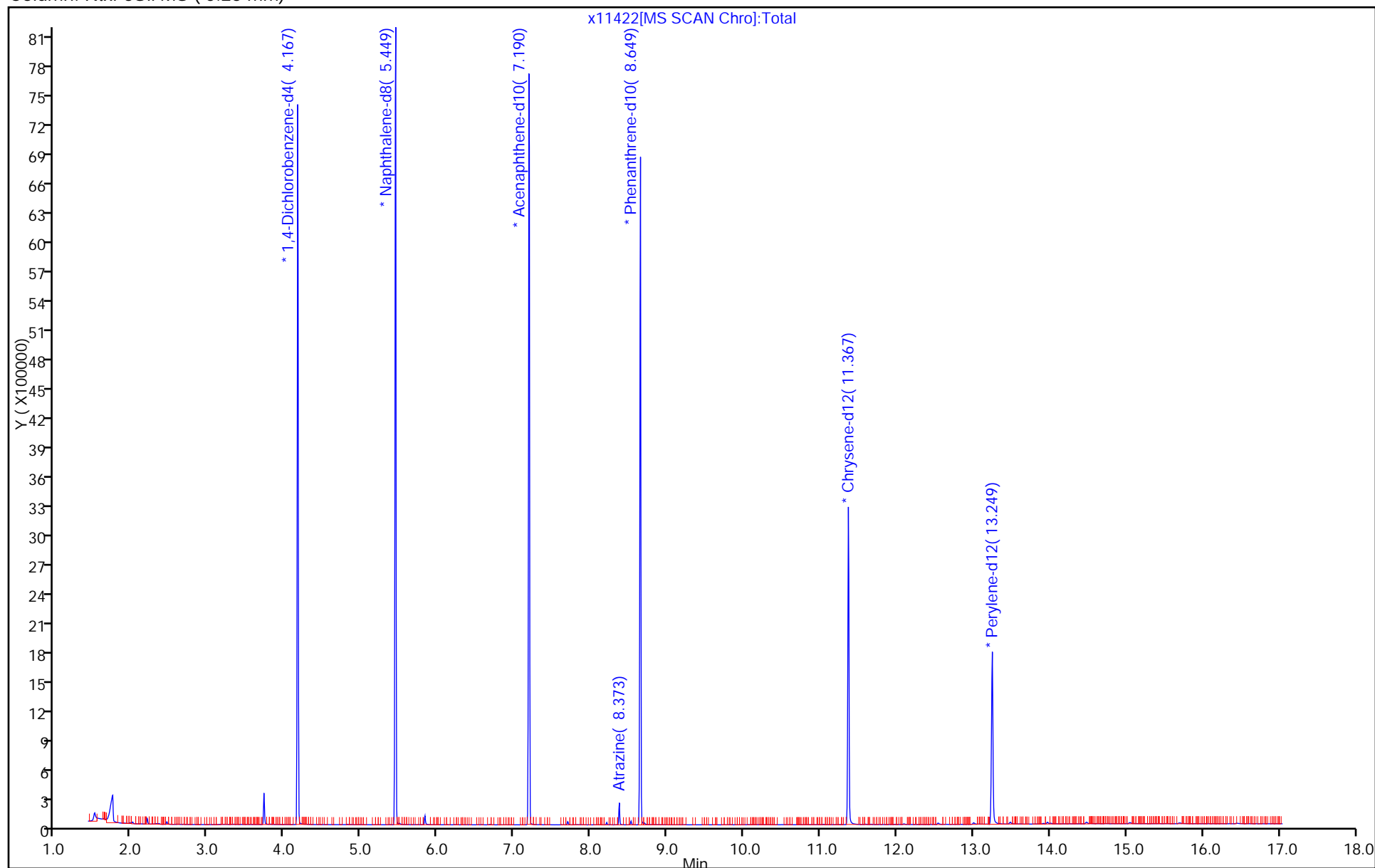
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Lab Sample ID: ICV 460-354233/18 Calibration Date: 03/05/2016 19:36
 Instrument ID: CBNAMS5 Calib Start Date: 03/05/2016 13:12
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/05/2016 16:28
 Lab File ID: x11423.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5018	0.5181	0.0100	25800	25000	3.2	30.0
N-Nitrosodimethylamine	Ave	0.6559	0.5849		22300	25000	-10.8	30.0
Pyridine	Ave	1.143	1.190		26000	25000	4.1	30.0
Phenol	Ave	1.556	1.599	0.8000	25700	25000	2.8	30.0
Aniline	Ave	1.773	1.795		25300	25000	1.2	30.0
Bis(2-chloroethyl)ether	Ave	1.167	1.152	0.7000	24700	25000	-1.2	30.0
2-Chlorophenol	Ave	1.347	1.389	0.8000	25800	25000	3.1	30.0
n-Decane	Ave	1.240	1.268	0.0100	25600	25000	2.2	30.0
1,3-Dichlorobenzene	Ave	1.570	1.630		26000	25000	3.9	30.0
1,4-Dichlorobenzene	Ave	1.572	1.635		26000	25000	4.0	30.0
Benzyl alcohol	Ave	0.7273	0.7580	0.0100	26100	25000	4.2	30.0
1,2-Dichlorobenzene	Ave	1.469	1.507		25600	25000	2.6	30.0
2-Methylphenol	Ave	1.045	1.076	0.7000	25700	25000	3.0	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.318	1.346	0.0100	25500	25000	2.2	30.0
Acetophenone	Ave	1.471	1.475	0.0100	25100	25000	0.3	30.0
N-Nitrosodi-n-propylamine	Ave	0.7589	0.7121	0.5000	23500	25000	-6.2	30.0
3 & 4 Methylphenol	Ave	1.089	1.159		26600	25000	6.4	30.0
4-Methylphenol	Ave	1.089	1.159	0.6000	26600	25000	6.4	30.0
Hexachloroethane	Ave	0.5739	0.5867	0.3000	25600	25000	2.2	30.0
n,n'-Dimethylaniline	Ave	1.792	1.701	0.0100	23700	25000	-5.1	30.0
Nitrobenzene	Ave	0.4792	0.4794	0.2000	25000	25000	0.0	30.0
Isophorone	Ave	0.5443	0.5581	0.4000	25600	25000	2.5	30.0
2-Nitrophenol	Ave	0.1918	0.1956	0.1000	25500	25000	2.0	30.0
2,4-Dimethylphenol	Ave	0.3130	0.3108	0.2000	24800	25000	-0.7	30.0
Bis(2-chloroethoxy)methane	Ave	0.3539	0.3610	0.3000	25500	25000	2.0	30.0
Benzoic acid	Lin2		0.1367		25100	25000	0.2	30.0
2,4-Dichlorophenol	Ave	0.3096	0.3123	0.2000	25200	25000	0.9	30.0
1,2,4-Trichlorobenzene	Ave	0.3664	0.3710		25300	25000	1.3	30.0
Naphthalene	Ave	1.029	1.063	0.7000	25800	25000	3.3	30.0
4-Chloroaniline	Ave	0.3980	0.3895	0.0100	24500	25000	-2.1	30.0
Hexachlorobutadiene	Ave	0.2277	0.2343	0.0100	25700	25000	2.9	30.0
4-Chloro-3-methylphenol	Ave	0.2575	0.2579		25000	25000	0.2	30.0
2-Methylnaphthalene	Ave	0.6846	0.6674	0.4000	24400	25000	-2.5	30.0
1-Methylnaphthalene	Ave	0.5853	0.6210	0.0100	26500	25000	6.1	30.0
Hexachlorocyclopentadiene	Ave	0.4266	0.3974	0.0500	23300	25000	-6.8	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7520	0.7678	0.0100	25500	25000	2.1	30.0
2-tertbutyl-4-methylphenol	Ave	0.4638	0.4708	0.0100	25400	25000	1.5	30.0
2,4,6-Trichlorophenol	Ave	0.4325	0.4587	0.2000	26500	25000	6.1	30.0
2,4,5-Trichlorophenol	Ave	0.4472	0.4671	0.2000	26100	25000	4.5	30.0
1,1'-Biphenyl	Ave	1.693	1.734	0.0100	25600	25000	2.4	30.0
2-Chloronaphthalene	Ave	1.286	1.332	0.8000	25900	25000	3.6	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Lab Sample ID: ICV 460-354233/18 Calibration Date: 03/05/2016 19:36

Instrument ID: CBNAMS5 Calib Start Date: 03/05/2016 13:12

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/05/2016 16:28

Lab File ID: x11423.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.9152	0.9562	0.0100	26100	25000	4.5	30.0
2-Nitroaniline	Ave	0.3755	0.3807	0.0100	25300	25000	1.4	30.0
1,3-Dimethylnaphthalene	Ave	1.020	1.103	0.0100	27000	25000	8.2	30.0
Dimethyl phthalate	Ave	1.158	1.197	0.0100	25800	25000	3.4	30.0
Coumarin	Ave	0.1569	0.1591	0.0100	25300	25000	1.4	30.0
2,6-Dinitrotoluene	Ave	0.2749	0.2916	0.2000	26500	25000	6.1	30.0
Acenaphthylene	Ave	1.812	1.836	0.9000	25300	25000	1.3	30.0
3-Nitroaniline	Ave	0.2645	0.2735	0.0100	25900	25000	3.4	30.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.319	1.360	0.0100	25800	25000	3.2	30.0
Acenaphthene	Ave	1.112	1.148	0.9000	25800	25000	3.3	30.0
2,4-Dinitrophenol	Qua		0.1241	0.0100	55700	50000	11.4	30.0
4-Nitrophenol	Ave	0.1534	0.1554	0.0100	50600	50000	1.3	30.0
2,4-Dinitrotoluene	Ave	0.3120	0.3392	0.2000	27200	25000	8.7	30.0
Dibenzofuran	Ave	1.656	1.700	0.8000	25700	25000	2.7	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3095	0.3185	0.0100	25700	25000	2.9	30.0
Diethyl phthalate	Ave	1.078	1.121	0.0100	26000	25000	4.0	30.0
4-Chlorophenyl phenyl ether	Ave	0.6418	0.6538	0.4000	25500	25000	1.9	30.0
Fluorene	Ave	1.262	1.291	0.9000	25600	25000	2.3	30.0
4-Nitroaniline	Ave	0.2218	0.2210	0.0100	24900	25000	-0.3	30.0
4,6-Dinitro-2-methylphenol	Lin2		0.1288	0.0100	52200	50000	4.3	30.0
N-Nitrosodiphenylamine	Ave	0.6598	0.7823	0.0100	50400	42500	18.6	30.0
1,2-Diphenylhydrazine	Ave	0.7667	0.7982	0.0100	26000	25000	4.1	30.0
4-Bromophenyl phenyl ether	Ave	0.2778	0.2817	0.1000	25300	25000	1.4	30.0
Hexachlorobenzene	Ave	0.2820	0.2951	0.1000	26200	25000	4.7	30.0
Pentachlorophenol	Qua		0.1542	0.0500	55000	50000	9.9	30.0
Pentachloronitrobenzene	Ave	0.1007	0.1126	0.0100	28000	25000	11.8	30.0
n-Octadecane	Ave	0.5530	0.5464	0.0100	24700	25000	-1.2	30.0
Phenanthrene	Ave	1.132	1.148	0.7000	25400	25000	1.4	30.0
Anthracene	Ave	1.137	1.176	0.7000	25900	25000	3.4	30.0
Carbazole	Ave	0.8880	0.9151	0.0100	25800	25000	3.0	30.0
Di-n-butyl phthalate	Ave	1.039	1.099	0.0100	26400	25000	5.8	30.0
Fluoranthene	Ave	0.9747	1.013	0.6000	26000	25000	3.9	30.0
Benzidine	Ave	0.3705	0.3813		25700	25000	2.9	30.0
Pyrene	Ave	1.686	1.697	0.6000	25200	25000	0.7	30.0
Bisphenol-A	Ave	0.5963	0.6054		25400	25000	1.5	30.0
Butyl benzyl phthalate	Ave	0.5759	0.6060	0.0100	26300	25000	5.2	30.0
Carbamazepine	Ave	0.3963	0.4191	0.0100	26400	25000	5.7	30.0
3,3'-Dichlorobenzidine	Ave	0.3811	0.4084	0.0100	26800	25000	7.2	30.0
Benzo[a]anthracene	Ave	1.222	1.236	0.8000	25300	25000	1.2	30.0
Chrysene	Ave	1.077	1.171	0.7000	27200	25000	8.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Lab Sample ID: ICV 460-354233/18 Calibration Date: 03/05/2016 19:36
 Instrument ID: CBNAMS5 Calib Start Date: 03/05/2016 13:12
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/05/2016 16:28
 Lab File ID: x11423.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bis(2-ethylhexyl) phthalate	Ave	0.7568	0.7639	0.0100	25200	25000	0.9	30.0
Di-n-octyl phthalate	Ave	1.485	1.535	0.0100	25800	25000	3.4	30.0
Benzo[b]fluoranthene	Ave	1.188	1.221	0.7000	25700	25000	2.8	30.0
Benzo[k]fluoranthene	Ave	1.279	1.394	0.7000	27300	25000	9.0	30.0
Benzo[a]pyrene	Ave	1.095	1.128	0.7000	25800	25000	3.1	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.8976	0.9178	0.5000	25600	25000	2.3	30.0
Dibenz(a,h)anthracene	Ave	0.9030	0.9912	0.4000	27400	25000	9.8	30.0
Benzo[g,h,i]perylene	Ave	0.9752	0.995	0.5000	25500	25000	2.1	30.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11423.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 05-Mar-2016 19:36:30 ALS Bottle#: 18 Worklist Smp#: 18
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038060-018
 Operator ID: Instrument ID: CBNAMS5
 Sublist:
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Mar-2016 01:47:23 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: bayoumiw

Date: 06-Mar-2016 01:44:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.556	1.550	0.006	97	319399	25.0	25.8	
2 N-Nitrosodimethylamine	74	1.773	1.773	0.000	84	360586	25.0	22.3	
3 Pyridine	79	1.803	1.797	0.006	89	733964	25.0	26.0	
7 Phenol	94	3.826	3.838	-0.012	99	986066	25.0	25.7	
8 Aniline	93	3.838	3.844	-0.006	99	1106606	25.0	25.3	
9 Bis(2-chloroethyl)ether	93	3.908	3.914	-0.006	98	710435	25.0	24.7	
10 Benzonitrile	103	3.920	3.938	-0.018	67	1403206	NC	NC	
11 2-Chlorophenol	128	3.961	3.967	-0.006	97	856467	25.0	25.8	
12 n-Decane	43	4.020	4.020	0.000	87	781917	25.0	25.6	
13 1,3-Dichlorobenzene	146	4.114	4.114	0.000	96	1005174	25.0	26.0	
* 14 1,4-Dichlorobenzene-d4	152	4.173	4.173	0.000	96	986469	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.185	4.191	-0.006	95	1008306	25.0	26.0	
16 Benzyl alcohol	108	4.314	4.320	-0.006	93	467308	25.0	26.1	
17 1,2-Dichlorobenzene	146	4.338	4.338	0.000	95	929103	25.0	25.6	
18 2-Methylphenol	108	4.432	4.438	-0.006	87	663316	25.0	25.7	
19 2,2'-oxybis[1-chloropropan	45	4.450	4.450	0.000	91	830126	25.0	25.5	
20 N-Methylaniline	106	4.567	4.573	-0.006	86	1050398	NC	NC	
21 Acetophenone	105	4.579	4.585	-0.006	94	909519	25.0	25.1	
22 N-Nitrosodi-n-propylamine	70	4.585	4.591	-0.006	85	439028	25.0	23.5	
24 4-Methylphenol	108	4.591	4.602	-0.011	93	714264	25.0	26.6	
23 3 & 4 Methylphenol	108	4.591	4.602	-0.011	97	714264	25.0	26.6	
25 Hexachloroethane	117	4.679	4.679	0.000	91	361748	25.0	25.6	
28 Nitrobenzene	77	4.749	4.755	-0.006	93	957498	25.0	25.0	
27 n,n'-Dimethylaniline	120	4.749	4.755	-0.006	92	1048825	25.0	23.7	
31 Isophorone	82	4.991	5.002	-0.011	98	1114560	25.0	25.6	
32 2-Nitrophenol	139	5.067	5.067	0.000	93	390635	25.0	25.5	
33 2,4-Dimethylphenol	122	5.120	5.126	-0.006	92	620711	25.0	24.8	
34 Bis(2-chloroethoxy)methane	93	5.214	5.214	0.000	100	720991	25.0	25.5	
35 Benzoic acid	122	5.244	5.273	-0.029	86	273003	25.0	25.1	
36 2,4-Dichlorophenol	162	5.314	5.314	0.000	96	623666	25.0	25.2	
37 1,2,4-Trichlorobenzene	180	5.397	5.397	0.000	94	740954	25.0	25.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 38 Naphthalene-d8	136	5.449	5.449	0.000	99	3195400	40.0	40.0	
39 Naphthalene	128	5.473	5.473	0.000	100	2122842	25.0	25.8	
40 4-Chloroaniline	127	5.532	5.532	0.000	97	777967	25.0	24.5	
41 Hexachlorobutadiene	225	5.602	5.602	0.000	96	467931	25.0	25.7	
43 4-Chloro-3-methylphenol	107	6.020	6.026	-0.006	96	515076	25.0	25.0	
44 2-Methylnaphthalene	142	6.161	6.161	0.000	85	1332859	25.0	24.4	
45 1-Methylnaphthalene	142	6.261	6.261	0.000	93	1240225	25.0	26.5	
46 Hexachlorocyclopentadiene	237	6.326	6.332	-0.006	96	349803	25.0	23.3	
47 1,2,4,5-Tetrachlorobenzene	216	6.332	6.338	-0.006	98	675742	25.0	25.5	
48 2-tertbutyl-4-methylphenol	149	6.373	6.373	0.000	92	940252	25.0	25.4	
49 2,4,6-Trichlorophenol	196	6.449	6.449	0.000	92	403758	25.0	26.5	
50 2,4,5-Trichlorophenol	196	6.485	6.485	0.000	98	411135	25.0	26.1	
52 1,1'-Biphenyl	154	6.626	6.632	-0.006	95	1525730	25.0	25.6	
53 2-Chloronaphthalene	162	6.643	6.649	-0.006	98	1172543	25.0	25.9	
54 Phenyl ether	170	6.732	6.732	0.000	84	841563	25.0	26.1	
56 2-Nitroaniline	65	6.749	6.749	0.000	97	335082	25.0	25.3	
57 1,3-Dimethylnaphthalene	156	6.861	6.867	-0.006	91	970871	25.0	27.0	
58 Dimethyl phthalate	163	6.938	6.943	-0.005	99	1053774	25.0	25.8	
59 Coumarin	146	6.949	6.955	-0.006	79	317717	25.0	25.3	
60 2,6-Dinitrotoluene	165	6.991	6.996	-0.005	96	256653	25.0	26.5	
61 Acenaphthylene	152	7.055	7.055	0.000	97	1615831	25.0	25.3	
64 3-Nitroaniline	138	7.155	7.161	-0.006	96	240684	25.0	25.9	
* 65 Acenaphthene-d10	164	7.196	7.196	0.000	92	1408219	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.226	7.226	0.000	96	1197379	25.0	25.8	
67 Acenaphthene	154	7.226	7.226	0.000	93	1010276	25.0	25.8	
68 2,4-Dinitrophenol	184	7.261	7.261	0.000	94	218382	50.0	55.7	
69 4-Nitrophenol	65	7.332	7.338	-0.006	91	273494	50.0	50.6	
70 2,4-Dinitrotoluene	165	7.385	7.390	-0.005	97	298510	25.0	27.2	
71 Dibenzofuran	168	7.396	7.396	0.000	97	1496057	25.0	25.7	
72 2,3,4,6-Tetrachlorophenol	232	7.520	7.520	0.000	95	280338	25.0	25.7	
73 Diethyl phthalate	149	7.632	7.638	-0.006	99	986751	25.0	26.0	
75 Fluorene	166	7.732	7.732	0.000	96	1135864	25.0	25.6	
74 4-Chlorophenyl phenyl ethe	204	7.732	7.732	0.000	89	575459	25.0	25.5	
76 4-Nitroaniline	138	7.755	7.761	-0.006	87	194549	25.0	24.9	
77 4,6-Dinitro-2-methylphenol	198	7.790	7.796	-0.006	90	296122	50.0	52.2	
78 N-Nitrosodiphenylamine	169	7.855	7.855	0.000	66	1529217	42.5	50.4	
79 1,2-Diphenylhydrazine	77	7.890	7.890	0.000	96	917771	25.0	26.0	
81 4-Bromophenyl phenyl ether	248	8.214	8.214	0.000	95	323884	25.0	25.3	
83 Hexachlorobenzene	284	8.279	8.279	0.000	96	339369	25.0	26.2	
85 Pentachlorophenol	266	8.473	8.473	0.000	93	354564	50.0	55.0	
86 Pentachloronitrobenzene	237	8.485	8.485	0.000	88	129474	25.0	28.0	
87 n-Octadecane	57	8.561	8.561	0.000	92	628300	25.0	24.7	
* 88 Phenanthrene-d10	188	8.649	8.649	0.000	98	1839760	40.0	40.0	
89 Phenanthrene	178	8.673	8.673	0.000	96	1319713	25.0	25.4	
90 Anthracene	178	8.720	8.720	0.000	99	1352790	25.0	25.9	
91 Carbazole	167	8.879	8.879	0.000	96	1052184	25.0	25.8	
92 Di-n-butyl phthalate	149	9.232	9.232	0.000	100	1264213	25.0	26.4	
93 Fluoranthene	202	9.837	9.837	0.000	99	1164970	25.0	26.0	
94 Benzidine	184	9.967	9.967	0.000	99	438436	25.0	25.7	
95 Pyrene	202	10.061	10.061	0.000	99	1164962	25.0	25.2	
82 Bisphenol-A	213	10.114	10.108	0.006	99	415644	25.0	25.4	
97 Butyl benzyl phthalate	149	10.731	10.731	0.000	95	416070	25.0	26.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 Carbamazepine	193	10.843	10.843	0.000	92	287758	25.0	26.4	
100 3,3'-Dichlorobenzidine	252	11.331	11.331	0.000	99	280399	25.0	26.8	
101 Benzo[a]anthracene	228	11.361	11.355	0.006	97	848906	25.0	25.3	
* 102 Chrysene-d12	240	11.373	11.367	0.006	99	1098517	40.0	40.0	
103 Chrysene	228	11.402	11.402	0.000	99	803730	25.0	27.2	
104 Bis(2-ethylhexyl) phthalat	149	11.414	11.408	0.006	88	524470	25.0	25.2	
105 Di-n-octyl phthalate	149	12.249	12.249	0.000	97	776377	25.0	25.8	
106 Benzo[b]fluoranthene	252	12.731	12.731	0.000	98	617447	25.0	25.7	
107 Benzo[k]fluoranthene	252	12.767	12.767	0.000	99	705100	25.0	27.3	
108 Benzo[a]pyrene	252	13.172	13.167	0.005	98	570832	25.0	25.8	
* 109 Perylene-d12	264	13.249	13.243	0.006	99	809345	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.714	14.714	0.000	98	464277	25.0	25.6	
111 Dibenz(a,h)anthracene	278	14.749	14.749	0.000	98	501369	25.0	27.4	
112 Benzo[g,h,i]perylene	276	15.108	15.108	0.000	97	503542	25.0	25.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ICV-long_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160305-38060.b\\x11423.D

Injection Date: 05-Mar-2016 19:36:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: icv

Worklist Smp#: 18

Client ID:

Injection Vol: 1.0 ul

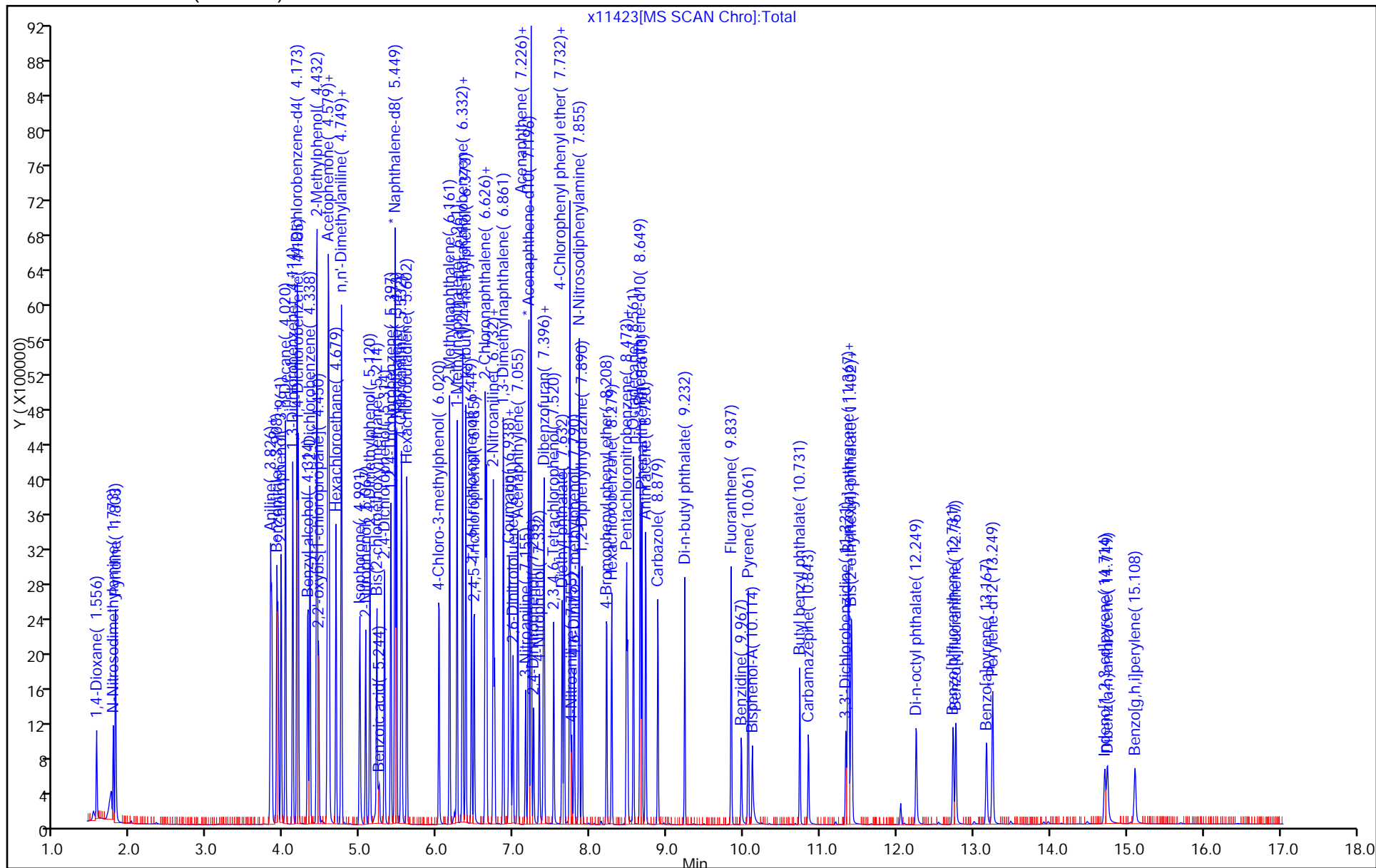
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-109448-1
SDG No.: _____
Lab Sample ID: ICV 460-354233/19 Calibration Date: 03/05/2016 19:59
Instrument ID: CBNAMS5 Calib Start Date: 03/05/2016 16:51
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/05/2016 19:12
Lab File ID: x11424.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	0.9899	1.228	0.0100	31000	25000	24.0	30.0
Caprolactam	Ave	0.0770	0.0992	0.0100	32200	25000	28.8	30.0
Atrazine	Ave	0.2032	0.2505	0.0100	30800	25000	23.3	30.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11424.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 05-Mar-2016 19:59:30 ALS Bottle#: 19 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038060-019
 Operator ID: Instrument ID: CBNAMS5
 Sublist:
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Mar-2016 09:25:22 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: bayoumiw

Date: 06-Mar-2016 01:45:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.732	3.732	0.000	93	811868	25.0	31.0	
* 14 1,4-Dichlorobenzene-d4	152	4.167	4.173	-0.006	96	1057871	40.0	40.0	
* 38 Naphthalene-d8	136	5.449	5.449	0.000	99	3660036	40.0	40.0	
42 Caprolactam	113	5.855	5.867	-0.012	93	226890	25.0	32.2	
* 65 Acenaphthene-d10	164	7.190	7.196	-0.006	92	1758564	40.0	40.0	
84 Atrazine	200	8.379	8.384	-0.006	96	384122	25.0	30.8	
* 88 Phenanthrene-d10	188	8.649	8.649	0.000	98	2453249	40.0	40.0	
* 102 Chrysene-d12	240	11.367	11.367	0.000	99	1314276	40.0	40.0	
* 109 Perylene-d12	264	13.249	13.243	0.006	99	873954	40.0	40.0	

Reagents:

SM_ICV-short_00009

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\x11424.D

Injection Date: 05-Mar-2016 19:59:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: icv

Worklist Smp#: 19

Client ID:

Injection Vol: 1.0 ul

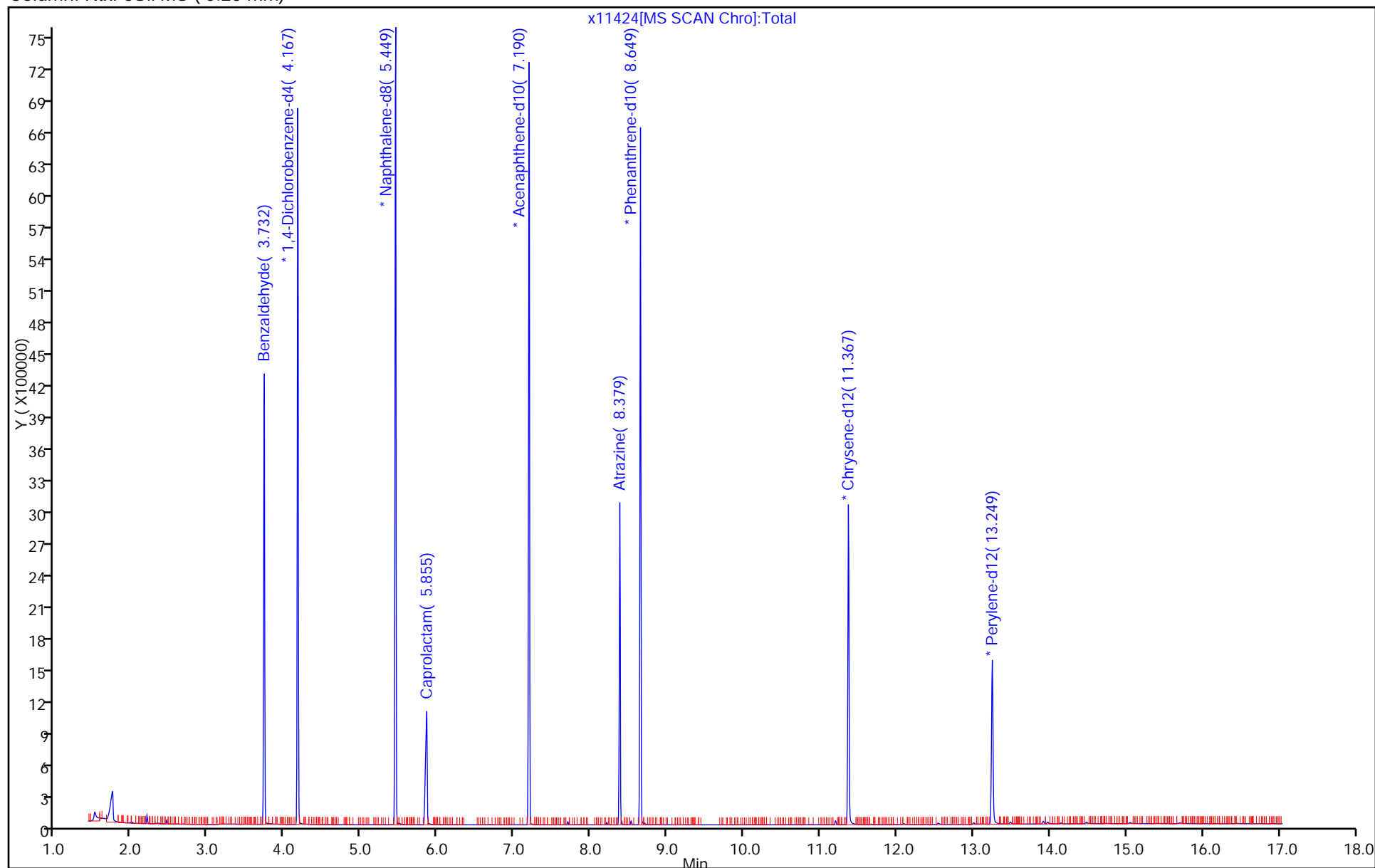
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Lab Sample ID: CCVIS 460-354522/2 Calibration Date: 03/07/2016 17:09

Instrument ID: CBNAMS5 Calib Start Date: 03/05/2016 13:12

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/05/2016 16:28

Lab File ID: x11509.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5018	0.4847	0.0100	48300	50000	-3.4	20.0
N-Nitrosodimethylamine	Ave	0.6559	0.6404		48800	50000	-2.4	20.0
Pyridine	Ave	1.143	1.112		48600	50000	-2.8	20.0
Phenol	Ave	1.556	1.524	0.8000	49000	50000	-2.0	20.0
Aniline	Ave	1.773	1.751		49400	50000	-1.3	20.0
Bis(2-chloroethyl)ether	Ave	1.167	1.150	0.7000	49300	50000	-1.5	20.0
2-Chlorophenol	Ave	1.347	1.322	0.8000	49100	50000	-1.9	20.0
n-Decane	Ave	1.240	1.155	0.0100	46600	50000	-6.9	20.0
1,3-Dichlorobenzene	Ave	1.570	1.549		49300	50000	-1.3	20.0
1,4-Dichlorobenzene	Ave	1.572	1.541		49000	50000	-2.0	20.0
Benzyl alcohol	Ave	0.7273	0.7297	0.0100	50200	50000	0.3	20.0
1,2-Dichlorobenzene	Ave	1.469	1.430		48700	50000	-2.7	20.0
2-Methylphenol	Ave	1.045	1.026	0.7000	49100	50000	-1.8	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.318	1.224	0.0100	46400	50000	-7.1	20.0
Acetophenone	Ave	1.471	1.453	0.0100	49400	50000	-1.2	20.0
N-Nitrosodi-n-propylamine	Ave	0.7589	0.7153	0.5000	47100	50000	-5.7	20.0
3 & 4 Methylphenol	Ave	1.089	1.037		47600	50000	-4.8	20.0
4-Methylphenol	Ave	1.089	1.037	0.6000	47600	50000	-4.8	20.0
Hexachloroethane	Ave	0.5739	0.5580	0.3000	48600	50000	-2.8	20.0
n,n'-Dimethylaniline	Ave	1.792	1.707	0.0100	47600	50000	-4.7	20.0
Nitrobenzene	Ave	0.4792	0.4765	0.2000	49700	50000	-0.6	20.0
Isophorone	Ave	0.5443	0.5336	0.4000	49000	50000	-2.0	20.0
2-Nitrophenol	Ave	0.1918	0.1909	0.1000	49800	50000	-0.5	20.0
2,4-Dimethylphenol	Ave	0.3130	0.3006	0.2000	48000	50000	-4.0	20.0
Bis(2-chloroethoxy)methane	Ave	0.3539	0.3492	0.3000	49300	50000	-1.3	20.0
Benzoic acid	Lin2		0.1447		49900	50000	-0.3	20.0
2,4-Dichlorophenol	Ave	0.3096	0.3014	0.2000	48700	50000	-2.7	20.0
1,2,4-Trichlorobenzene	Ave	0.3664	0.3551		48500	50000	-3.1	20.0
Naphthalene	Ave	1.029	1.002	0.7000	48700	50000	-2.6	20.0
4-Chloroaniline	Ave	0.3980	0.3867	0.0100	48600	50000	-2.8	20.0
Hexachlorobutadiene	Ave	0.2277	0.2284	0.0100	50100	50000	0.3	20.0
4-Chloro-3-methylphenol	Ave	0.2575	0.2538		49300	50000	-1.5	20.0
2-Methylnaphthalene	Ave	0.6846	0.6626	0.4000	48400	50000	-3.2	20.0
1-Methylnaphthalene	Ave	0.5853	0.5662	0.0100	48400	50000	-3.3	20.0
Hexachlorocyclopentadiene	Ave	0.4266	0.4027	0.0500	47200	50000	-5.6	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7520	0.7506	0.0100	49900	50000	-0.2	20.0
2-tertbutyl-4-methylphenol	Ave	0.4638	0.4507	0.0100	48600	50000	-2.8	20.0
2,4,6-Trichlorophenol	Ave	0.4325	0.4355	0.2000	50300	50000	0.7	20.0
2,4,5-Trichlorophenol	Ave	0.4472	0.4452	0.2000	49800	50000	-0.4	20.0
1,1'-Biphenyl	Ave	1.693	1.650	0.0100	48700	50000	-2.5	20.0
2-Chloronaphthalene	Ave	1.286	1.248	0.8000	48500	50000	-3.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Lab Sample ID: CCVIS 460-354522/2 Calibration Date: 03/07/2016 17:09

Instrument ID: CBNAMS5 Calib Start Date: 03/05/2016 13:12

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/05/2016 16:28

Lab File ID: x11509.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.9152	0.9069	0.0100	49500	50000	-0.9	20.0
2-Nitroaniline	Ave	0.3755	0.3714	0.0100	49500	50000	-1.1	20.0
1,3-Dimethylnaphthalene	Ave	1.020	1.006	0.0100	49300	50000	-1.4	20.0
Dimethyl phthalate	Ave	1.158	1.134	0.0100	48900	50000	-2.1	20.0
Coumarin	Ave	0.1569	0.1547	0.0100	49300	50000	-1.4	20.0
2,6-Dinitrotoluene	Ave	0.2749	0.2733	0.2000	49700	50000	-0.6	20.0
Acenaphthylene	Ave	1.812	1.761	0.9000	48600	50000	-2.8	20.0
3-Nitroaniline	Ave	0.2645	0.2636	0.0100	49800	50000	-0.3	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.319	1.298	0.0100	49200	50000	-1.6	20.0
Acenaphthene	Ave	1.112	1.079	0.9000	48600	50000	-2.9	20.0
2,4-Dinitrophenol	Qua		0.1402	0.0100	109000	100000	9.1	20.0
4-Nitrophenol	Ave	0.1534	0.1659	0.0100	108000	100000	8.1	20.0
2,4-Dinitrotoluene	Ave	0.3120	0.3203	0.2000	51300	50000	2.7	20.0
Dibenzofuran	Ave	1.656	1.615	0.8000	48800	50000	-2.5	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3095	0.3245	0.0100	52400	50000	4.8	20.0
Diethyl phthalate	Ave	1.078	1.062	0.0100	49300	50000	-1.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.6418	0.6386	0.4000	49800	50000	-0.5	20.0
Fluorene	Ave	1.262	1.256	0.9000	49800	50000	-0.4	20.0
4-Nitroaniline	Ave	0.2218	0.2122	0.0100	47800	50000	-4.3	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1314	0.0100	104000	100000	3.6	20.0
N-Nitrosodiphenylamine	Ave	0.6598	0.6312	0.0100	95700	100000	-4.3	20.0
1,2-Diphenylhydrazine	Ave	0.7667	0.7637	0.0100	49800	50000	-0.4	20.0
4-Bromophenyl phenyl ether	Ave	0.2778	0.2818	0.1000	50700	50000	1.4	20.0
Hexachlorobenzene	Ave	0.2820	0.2904	0.1000	51500	50000	3.0	20.0
Pentachlorophenol	Qua		0.1575	0.0500	103000	100000	3.1	20.0
Pentachloronitrobenzene	Ave	0.1007	0.1059	0.0100	52600	50000	5.1	20.0
n-Octadecane	Ave	0.5530	0.5473	0.0100	49500	50000	-1.0	20.0
Phenanthrene	Ave	1.132	1.102	0.7000	48700	50000	-2.6	20.0
Anthracene	Ave	1.137	1.117	0.7000	49100	50000	-1.8	20.0
Carbazole	Ave	0.8880	0.8744	0.0100	49200	50000	-1.5	20.0
Di-n-butyl phthalate	Ave	1.039	1.041	0.0100	50100	50000	0.2	20.0
Fluoranthene	Ave	0.9747	0.9659	0.6000	49500	50000	-0.9	20.0
Benzidine	Ave	0.3705	0.3349		45200	50000	-9.6	20.0
Pyrene	Ave	1.686	1.748	0.6000	51800	50000	3.7	20.0
Bisphenol-A	Ave	0.5963	0.5837		48900	50000	-2.1	20.0
Butyl benzyl phthalate	Ave	0.5759	0.6008	0.0100	52200	50000	4.3	20.0
2,3,7,8-TCDD	Ave	0.1448	0.1744	0.0100	602	500	20.4*	20.0
Carbamazepine	Ave	0.3963	0.3951	0.0100	49800	50000	-0.3	20.0
3,3'-Dichlorobenzidine	Ave	0.3811	0.4017	0.0100	52700	50000	5.4	20.0
Benzo[a]anthracene	Ave	1.222	1.206	0.8000	49300	50000	-1.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-354522/2 Calibration Date: 03/07/2016 17:09
 Instrument ID: CBNAMS5 Calib Start Date: 03/05/2016 13:12
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/05/2016 16:28
 Lab File ID: x11509.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chrysene	Ave	1.077	1.066	0.7000	49500	50000	-1.0	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7568	0.7906	0.0100	52200	50000	4.5	20.0
Di-n-octyl phthalate	Ave	1.485	1.687	0.0100	56800	50000	13.6	20.0
Benzo[b]fluoranthene	Ave	1.188	1.289	0.7000	54300	50000	8.5	20.0
Benzo[k]fluoranthene	Ave	1.279	1.357	0.7000	53100	50000	6.2	20.0
Benzo[a]pyrene	Ave	1.095	1.178	0.7000	53800	50000	7.6	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.8976	1.002	0.5000	55800	50000	11.7	20.0
Dibenz(a,h)anthracene	Ave	0.9030	0.9879	0.4000	54700	50000	9.4	20.0
Benzo[g,h,i]perylene	Ave	0.9752	0.9679	0.5000	49600	50000	-0.8	20.0
2-Fluorophenol (Surr)	Ave	1.323	1.344	0.0100	50800	50000	1.6	20.0
Phenol-d5 (Surr)	Ave	1.472	1.467	0.0100	49800	50000	-0.3	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3757	0.3890	0.0100	51800	50000	3.6	20.0
2-Fluorobiphenyl	Ave	1.640	1.661	0.0100	50600	50000	1.3	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1735	0.1952	0.0100	56300	50000	12.5	20.0
Terphenyl-d14 (Surr)	Ave	1.246	1.340	0.0100	53800	50000	7.6	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\11509.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 07-Mar-2016 17:09:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038117-002
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 08-Mar-2016 10:58:49 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: szczecha

Date: 08-Mar-2016 10:58:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.523	1.523	0.000	95	661160	50.0	48.3	
2 N-Nitrosodimethylamine	74	1.747	1.747	0.000	83	873528	50.0	48.8	
3 Pyridine	79	1.764	1.764	0.000	90	1516261	50.0	48.6	
\$ 4 2-Fluorophenol	112	2.847	2.847	0.000	95	1833568	50.0	50.8	
\$ 6 Phenol-d5	99	3.782	3.782	0.000	93	2001713	50.0	49.8	
7 Phenol	94	3.794	3.794	0.000	95	2078940	50.0	49.0	
8 Aniline	93	3.800	3.800	0.000	97	2388679	50.0	49.4	
9 Bis(2-chloroethyl)ether	93	3.870	3.870	0.000	98	1568083	50.0	49.3	
10 Benzonitrile	103	3.894	3.894	0.000	66	2990870	NC	NC	
11 2-Chlorophenol	128	3.923	3.923	0.000	97	1802857	50.0	49.1	
12 n-Decane	43	3.970	3.970	0.000	86	1576076	50.0	46.6	
13 1,3-Dichlorobenzene	146	4.070	4.070	0.000	96	2112607	50.0	49.3	
* 14 1,4-Dichlorobenzene-d4	152	4.123	4.123	0.000	96	1091266	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.141	4.141	0.000	94	2101455	50.0	49.0	
16 Benzyl alcohol	108	4.276	4.276	0.000	92	995309	50.0	50.2	
17 1,2-Dichlorobenzene	146	4.294	4.294	0.000	95	1950185	50.0	48.7	
18 2-Methylphenol	108	4.394	4.394	0.000	87	1398860	50.0	49.1	
19 2,2'-oxybis[1-chloropropan	45	4.405	4.405	0.000	89	1669191	50.0	46.4	
20 N-Methylaniline	106	4.529	4.529	0.000	90	2302713	NC	NC	
21 Acetophenone	105	4.541	4.541	0.000	95	1981498	50.0	49.4	
22 N-Nitrosodi-n-propylamine	70	4.547	4.547	0.000	90	975721	50.0	47.1	
24 4-Methylphenol	108	4.558	4.558	0.000	94	1414525	50.0	47.6	
23 3 & 4 Methylphenol	108	4.558	4.558	0.000	90	1414525	50.0	47.6	
25 Hexachloroethane	117	4.629	4.629	0.000	92	761131	50.0	48.6	
\$ 26 Nitrobenzene-d5	82	4.688	4.688	0.000	90	1717738	50.0	51.8	
28 Nitrobenzene	77	4.711	4.711	0.000	95	2103784	50.0	49.7	
27 n,n'-Dimethylaniline	120	4.711	4.711	0.000	95	2328753	50.0	47.6	
31 Isophorone	82	4.958	4.958	0.000	99	2356049	50.0	49.0	
32 2-Nitrophenol	139	5.023	5.023	0.000	91	842890	50.0	49.8	
33 2,4-Dimethylphenol	122	5.082	5.082	0.000	91	1327288	50.0	48.0	
34 Bis(2-chloroethoxy)methane	93	5.170	5.170	0.000	100	1541855	50.0	49.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.247	5.247	0.000	87	638711	50.0	49.9	
36 2,4-Dichlorophenol	162	5.276	5.276	0.000	96	1330660	50.0	48.7	
37 1,2,4-Trichlorobenzene	180	5.352	5.352	0.000	94	1567946	50.0	48.5	
* 38 Naphthalene-d8	136	5.405	5.405	0.000	99	3532370	40.0	40.0	
39 Naphthalene	128	5.423	5.423	0.000	100	4426179	50.0	48.7	
40 4-Chloroaniline	127	5.488	5.488	0.000	96	1707630	50.0	48.6	
41 Hexachlorobutadiene	225	5.558	5.558	0.000	97	1008436	50.0	50.1	
43 4-Chloro-3-methylphenol	107	5.982	5.982	0.000	96	1120437	50.0	49.3	
44 2-Methylnaphthalene	142	6.117	6.117	0.000	85	2925663	50.0	48.4	
45 1-Methylnaphthalene	142	6.217	6.217	0.000	92	2499993	50.0	48.4	
46 Hexachlorocyclopentadiene	237	6.282	6.282	0.000	97	793348	50.0	47.2	
47 1,2,4,5-Tetrachlorobenzene	216	6.288	6.288	0.000	98	1478813	50.0	49.9	
48 2-tertbutyl-4-methylphenol	149	6.329	6.329	0.000	91	1989924	50.0	48.6	
49 2,4,6-Trichlorophenol	196	6.405	6.405	0.000	91	857977	50.0	50.3	
50 2,4,5-Trichlorophenol	196	6.441	6.441	0.000	98	877225	50.0	49.8	
\$ 51 2-Fluorobiphenyl	172	6.488	6.488	0.000	98	3272210	50.0	50.6	
52 1,1'-Biphenyl	154	6.588	6.588	0.000	94	3251746	50.0	48.7	
53 2-Chloronaphthalene	162	6.599	6.599	0.000	99	2457957	50.0	48.5	
54 Phenyl ether	170	6.688	6.688	0.000	83	1786852	50.0	49.5	
56 2-Nitroaniline	65	6.705	6.705	0.000	98	731838	50.0	49.5	
57 1,3-Dimethylnaphthalene	156	6.817	6.817	0.000	91	1982287	50.0	49.3	
58 Dimethyl phthalate	163	6.899	6.899	0.000	99	2233472	50.0	48.9	
59 Coumarin	146	6.911	6.911	0.000	77	683002	50.0	49.3	
60 2,6-Dinitrotoluene	165	6.952	6.952	0.000	95	538515	50.0	49.7	
61 Acenaphthylene	152	7.011	7.011	0.000	97	3469303	50.0	48.6	
64 3-Nitroaniline	138	7.117	7.117	0.000	96	519292	50.0	49.8	
* 65 Acenaphthene-d10	164	7.146	7.146	0.000	91	1576234	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.182	7.182	0.000	95	2556447	50.0	49.2	
67 Acenaphthene	154	7.182	7.182	0.000	94	2126613	50.0	48.6	
68 2,4-Dinitrophenol	184	7.223	7.223	0.000	95	552636	100.0	109.1	
69 4-Nitrophenol	65	7.299	7.299	0.000	91	653648	100.0	108.1	
70 2,4-Dinitrotoluene	165	7.346	7.346	0.000	93	631056	50.0	51.3	
71 Dibenzofuran	168	7.352	7.352	0.000	96	3181477	50.0	48.8	
72 2,3,4,6-Tetrachlorophenol	232	7.476	7.476	0.000	95	639270	50.0	52.4	
73 Diethyl phthalate	149	7.593	7.593	0.000	99	2093049	50.0	49.3	
75 Fluorene	166	7.688	7.688	0.000	96	2474567	50.0	49.8	
74 4-Chlorophenyl phenyl ethe	204	7.688	7.688	0.000	80	1258269	50.0	49.8	
76 4-Nitroaniline	138	7.723	7.723	0.000	87	418133	50.0	47.8	
77 4,6-Dinitro-2-methylphenol	198	7.758	7.758	0.000	89	678945	100.0	103.6	
78 N-Nitrosodiphenylamine	169	7.811	7.811	0.000	80	3262492	100.0	95.7	
79 1,2-Diphenylhydrazine	77	7.846	7.846	0.000	96	1973716	50.0	49.8	
\$ 80 2,4,6-Tribromophenol	330	7.929	7.929	0.000	93	384689	50.0	56.3	
81 4-Bromophenyl phenyl ether	248	8.164	8.164	0.000	94	728302	50.0	50.7	
83 Hexachlorobenzene	284	8.235	8.235	0.000	96	750417	50.0	51.5	
85 Pentachlorophenol	266	8.429	8.429	0.000	94	814250	100.0	103.1	
86 Pentachloronitrobenzene	237	8.440	8.440	0.000	89	273621	50.0	52.6	
87 n-Octadecane	57	8.517	8.517	0.000	91	1414413	50.0	49.5	
* 88 Phenanthrene-d10	188	8.605	8.605	0.000	98	2067582	40.0	40.0	
89 Phenanthrene	178	8.629	8.629	0.000	97	2848579	50.0	48.7	
90 Anthracene	178	8.676	8.676	0.000	99	2886218	50.0	49.1	
91 Carbazole	167	8.835	8.835	0.000	96	2259846	50.0	49.2	
92 Di-n-butyl phthalate	149	9.187	9.187	0.000	100	2690708	50.0	50.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	9.793	9.793	0.000	99	2496265	50.0	49.5	
94 Benzidine	184	9.923	9.923	0.000	99	865470	50.0	45.2	
95 Pyrene	202	10.011	10.011	0.000	98	2463543	50.0	51.8	
82 Bisphenol-A	213	10.064	10.064	0.000	99	822646	50.0	48.9	
\$ 96 Terphenyl-d14	244	10.170	10.170	0.000	98	1888504	50.0	53.8	
97 Butyl benzyl phthalate	149	10.681	10.681	0.000	96	846699	50.0	52.2	
98 2,3,7,8-TCDD	320	10.781	10.781	0.000	91	2458	0.5000	0.6021	
99 Carbamazepine	193	10.793	10.793	0.000	92	556818	50.0	49.8	
100 3,3'-Dichlorobenzidine	252	11.276	11.276	0.000	99	566155	50.0	52.7	
101 Benzo[a]anthracene	228	11.299	11.299	0.000	97	1699701	50.0	49.3	
* 102 Chrysene-d12	240	11.317	11.317	0.000	99	1127434	40.0	40.0	
103 Chrysene	228	11.346	11.346	0.000	99	1502997	50.0	49.5	
104 Bis(2-ethylhexyl) phthalat	149	11.352	11.352	0.000	92	1114111	50.0	52.2	
105 Di-n-octyl phthalate	149	12.187	12.187	0.000	97	1622614	50.0	56.8	
106 Benzo[b]fluoranthene	252	12.670	12.670	0.000	98	1239845	50.0	54.3	
107 Benzo[k]fluoranthene	252	12.711	12.711	0.000	98	1305560	50.0	53.1	
108 Benzo[a]pyrene	252	13.105	13.105	0.000	98	1133124	50.0	53.8	
* 109 Perylene-d12	264	13.181	13.181	0.000	99	769412	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.640	14.640	0.000	97	964023	50.0	55.8	
111 Dibenz(a,h)anthracene	278	14.669	14.669	0.000	98	950095	50.0	54.7	
112 Benzo[g,h,i]perylene	276	15.028	15.028	0.000	97	930852	50.0	49.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L6_00018

Amount Added: 1.00

Units: mL

Operator ID:

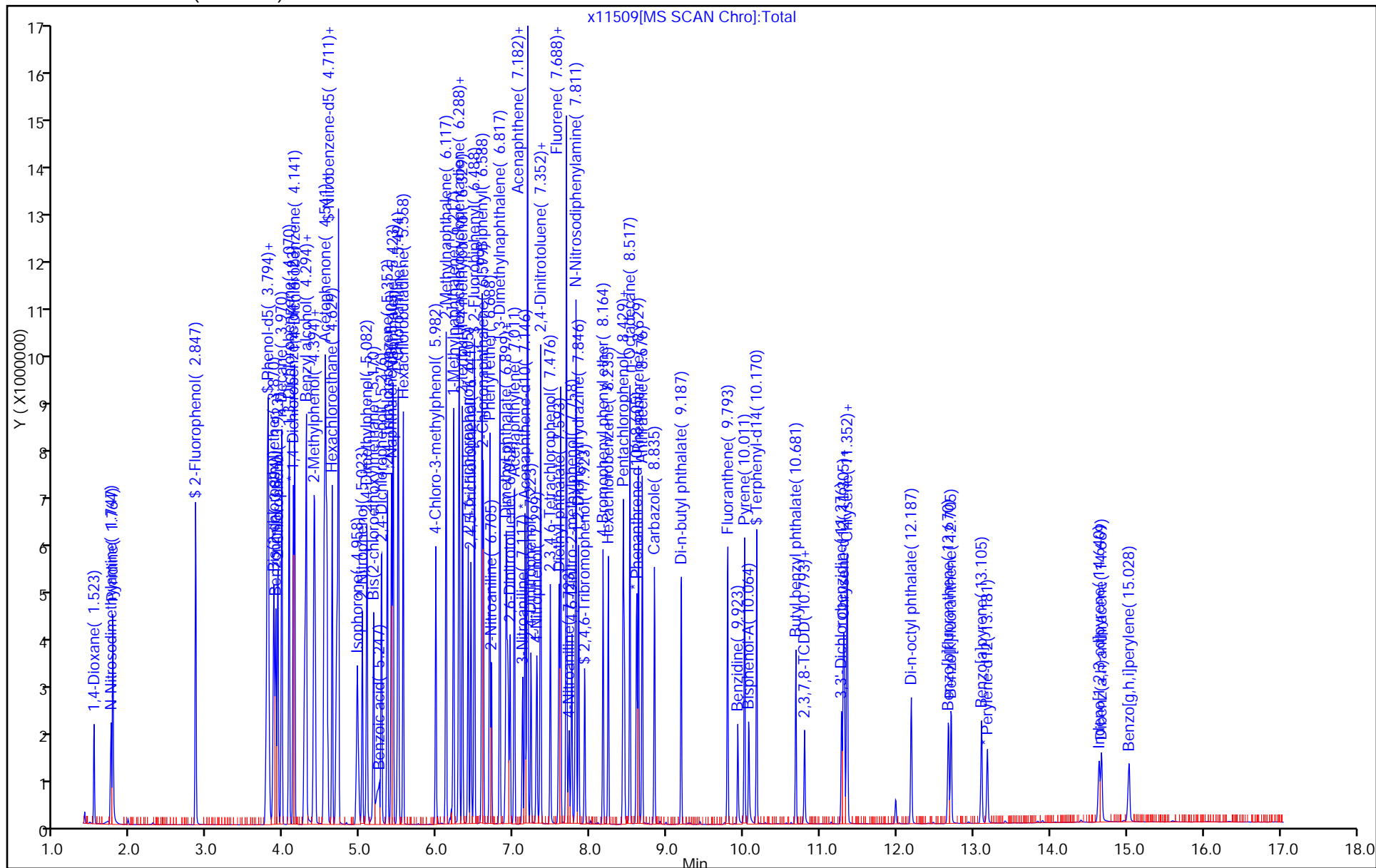
Worklist Smp#: 2

Client ID:

ALS Bottle#: 2

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-109448-1
SDG No.: _____
Lab Sample ID: CCV 460-354522/3 Calibration Date: 03/07/2016 17:38
Instrument ID: CBNAMS5 Calib Start Date: 03/05/2016 16:51
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/05/2016 19:12
Lab File ID: x11510.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	0.9899	1.003	0.0100	50700	50000	1.3	20.0
Caprolactam	Ave	0.0770	0.0739	0.0100	48000	50000	-4.1	20.0
Atrazine	Ave	0.2032	0.1998	0.0100	49200	50000	-1.7	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\11510.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 07-Mar-2016 17:38:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038117-003
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 08-Mar-2016 10:59:18 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: szczech

Date: 08-Mar-2016 10:59:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.676	3.676	0.000	94	1427222	50.0	50.7	
* 14 1,4-Dichlorobenzene-d4	152	4.117	4.117	0.000	97	1138318	40.0	40.0	
* 38 Naphthalene-d8	136	5.394	5.394	0.000	100	3832324	40.0	40.0	
42 Caprolactam	113	5.817	5.817	0.000	93	354048	50.0	48.0	
* 65 Acenaphthene-d10	164	7.141	7.141	0.000	92	1856519	40.0	40.0	
84 Atrazine	200	8.335	8.335	0.000	96	658873	50.0	49.2	
* 88 Phenanthrene-d10	188	8.599	8.599	0.000	98	2637952	40.0	40.0	
* 102 Chrysene-d12	240	11.311	11.311	0.000	99	1437423	40.0	40.0	
* 109 Perylene-d12	264	13.181	13.181	0.000	99	952600	40.0	40.0	

Reagents:

SV_IC-S_L6_00015

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160307-38117.b\\x11510.D

Injection Date: 07-Mar-2016 17:38:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: ccv

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

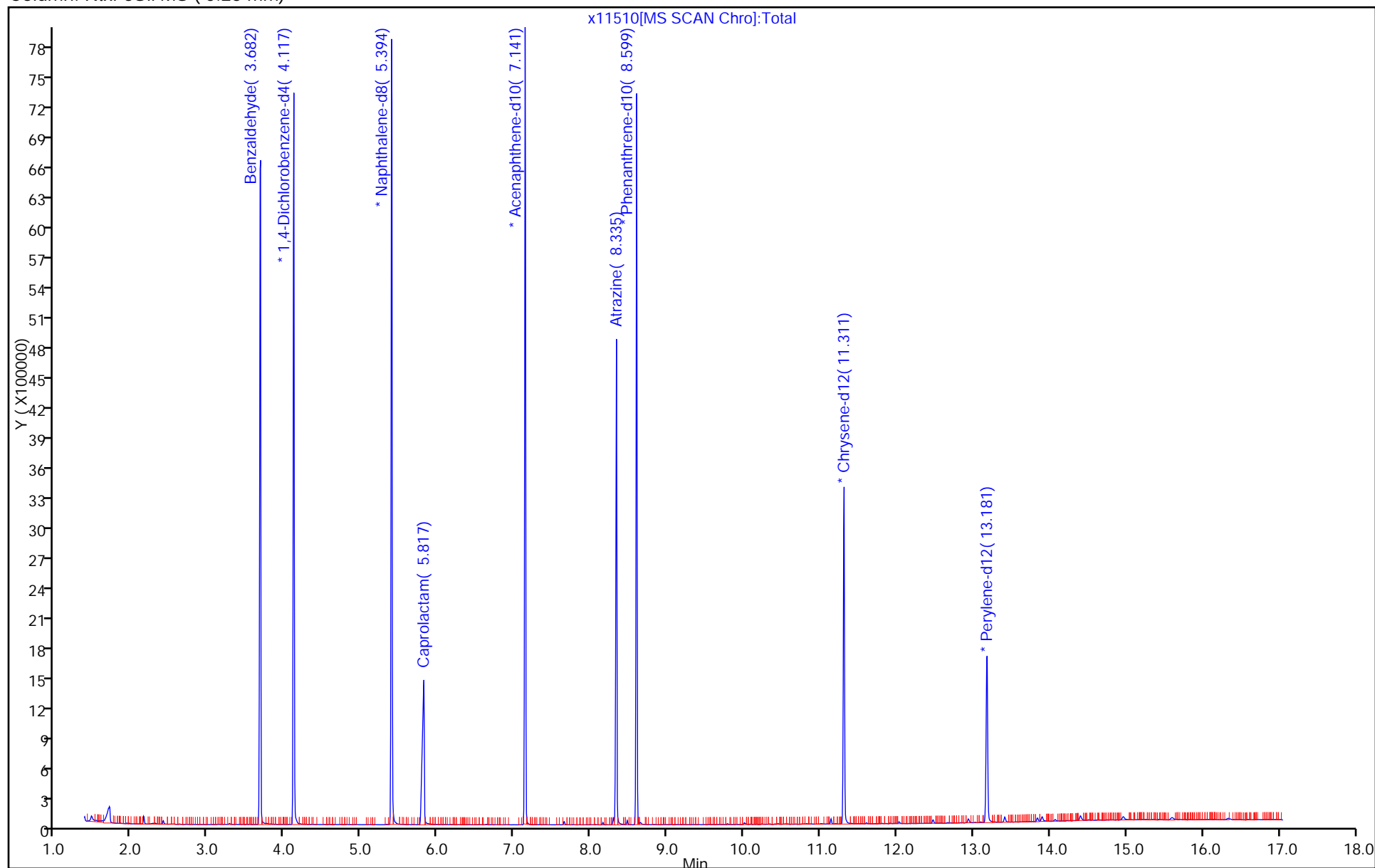
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Lab Sample ID: CCVIS 460-354619/2 Calibration Date: 03/08/2016 10:20

Instrument ID: CBNAMS5 Calib Start Date: 03/05/2016 13:12

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/05/2016 16:28

Lab File ID: x11549.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5018	0.4936	0.0100	49200	50000	-1.6	20.0
N-Nitrosodimethylamine	Ave	0.6559	0.6513		49600	50000	-0.7	20.0
Pyridine	Ave	1.143	1.129		49400	50000	-1.2	20.0
Aniline	Ave	1.773	1.788		50400	50000	0.8	20.0
Phenol	Ave	1.556	1.569	0.8000	50400	50000	0.8	20.0
Bis(2-chloroethyl)ether	Ave	1.167	1.165	0.7000	49900	50000	-0.1	20.0
2-Chlorophenol	Ave	1.347	1.359	0.8000	50400	50000	0.9	20.0
n-Decane	Ave	1.240	1.153	0.0100	46500	50000	-7.0	20.0
1,3-Dichlorobenzene	Ave	1.570	1.546		49300	50000	-1.5	20.0
1,4-Dichlorobenzene	Ave	1.572	1.560		49600	50000	-0.8	20.0
Benzyl alcohol	Ave	0.7273	0.7676	0.0100	52800	50000	5.6	20.0
1,2-Dichlorobenzene	Ave	1.469	1.448		49300	50000	-1.4	20.0
2-Methylphenol	Ave	1.045	1.065	0.7000	51000	50000	2.0	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.318	1.247	0.0100	47300	50000	-5.4	20.0
Acetophenone	Ave	1.471	1.521	0.0100	51700	50000	3.4	20.0
N-Nitrosodi-n-propylamine	Ave	0.7589	0.7585	0.5000	50000	50000	-0.0	20.0
3 & 4 Methylphenol	Ave	1.089	1.082		49700	50000	-0.7	20.0
4-Methylphenol	Ave	1.089	1.082	0.6000	49700	50000	-0.7	20.0
Hexachloroethane	Ave	0.5739	0.5556	0.3000	48400	50000	-3.2	20.0
Nitrobenzene	Ave	0.4792	0.4778	0.2000	49900	50000	-0.3	20.0
n,n'-Dimethylaniline	Ave	1.792	1.816	0.0100	50700	50000	1.3	20.0
Isophorone	Ave	0.5443	0.5557	0.4000	51000	50000	2.1	20.0
2-Nitrophenol	Ave	0.1918	0.1909	0.1000	49800	50000	-0.5	20.0
2,4-Dimethylphenol	Ave	0.3130	0.3133	0.2000	50000	50000	0.0	20.0
Bis(2-chloroethoxy)methane	Ave	0.3539	0.3556	0.3000	50200	50000	0.5	20.0
Benzoic acid	Lin2		0.1594		54600	50000	9.3	20.0
2,4-Dichlorophenol	Ave	0.3096	0.3115	0.2000	50300	50000	0.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3664	0.3496		47700	50000	-4.6	20.0
Naphthalene	Ave	1.029	1.019	0.7000	49500	50000	-1.0	20.0
4-Chloroaniline	Ave	0.3980	0.3972	0.0100	49900	50000	-0.2	20.0
Hexachlorobutadiene	Ave	0.2277	0.2283	0.0100	50100	50000	0.2	20.0
4-Chloro-3-methylphenol	Ave	0.2575	0.2712		52700	50000	5.3	20.0
2-Methylnaphthalene	Ave	0.6846	0.6828	0.4000	49900	50000	-0.3	20.0
1-Methylnaphthalene	Ave	0.5853	0.5913	0.0100	50500	50000	1.0	20.0
Hexachlorocyclopentadiene	Ave	0.4266	0.4205	0.0500	49300	50000	-1.4	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7520	0.7465	0.0100	49600	50000	-0.7	20.0
2-tertbutyl-4-methylphenol	Ave	0.4638	0.4871	0.0100	52500	50000	5.0	20.0
2,4,6-Trichlorophenol	Ave	0.4325	0.4398	0.2000	50800	50000	1.7	20.0
2,4,5-Trichlorophenol	Ave	0.4472	0.4574	0.2000	51100	50000	2.3	20.0
1,1'-Biphenyl	Ave	1.693	1.649	0.0100	48700	50000	-2.6	20.0
2-Chloronaphthalene	Ave	1.286	1.227	0.8000	47700	50000	-4.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Lab Sample ID: CCVIS 460-354619/2 Calibration Date: 03/08/2016 10:20

Instrument ID: CBNAMS5 Calib Start Date: 03/05/2016 13:12

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/05/2016 16:28

Lab File ID: x11549.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.9152	0.9148	0.0100	50000	50000	-0.0	20.0
2-Nitroaniline	Ave	0.3755	0.3696	0.0100	49200	50000	-1.6	20.0
1,3-Dimethylnaphthalene	Ave	1.020	1.027	0.0100	50400	50000	0.7	20.0
Dimethyl phthalate	Ave	1.158	1.128	0.0100	48700	50000	-2.6	20.0
Coumarin	Ave	0.1569	0.1591	0.0100	50700	50000	1.3	20.0
2,6-Dinitrotoluene	Ave	0.2749	0.2777	0.2000	50500	50000	1.0	20.0
Acenaphthylene	Ave	1.812	1.797	0.9000	49600	50000	-0.8	20.0
3-Nitroaniline	Ave	0.2645	0.2569	0.0100	48600	50000	-2.8	20.0
Acenaphthene	Ave	1.112	1.088	0.9000	48900	50000	-2.1	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.319	1.335	0.0100	50600	50000	1.2	20.0
2,4-Dinitrophenol	Qua		0.1393	0.0100	109000	100000	8.5	20.0
4-Nitrophenol	Ave	0.1534	0.1509	0.0100	98400	100000	-1.6	20.0
2,4-Dinitrotoluene	Ave	0.3120	0.3129	0.2000	50100	50000	0.3	20.0
Dibenzofuran	Ave	1.656	1.636	0.8000	49400	50000	-1.2	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3095	0.3154	0.0100	51000	50000	1.9	20.0
Diethyl phthalate	Ave	1.078	1.065	0.0100	49400	50000	-1.3	20.0
4-Chlorophenyl phenyl ether	Ave	0.6418	0.6414	0.4000	50000	50000	-0.0	20.0
Fluorene	Ave	1.262	1.258	0.9000	49900	50000	-0.2	20.0
4-Nitroaniline	Ave	0.2218	0.2031	0.0100	45800	50000	-8.4	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1327	0.0100	105000	100000	4.7	20.0
N-Nitrosodiphenylamine	Ave	0.6598	0.6747	0.0100	102000	100000	2.2	20.0
1,2-Diphenylhydrazine	Ave	0.7667	0.7843	0.0100	51100	50000	2.3	20.0
4-Bromophenyl phenyl ether	Ave	0.2778	0.2959	0.1000	53200	50000	6.5	20.0
Hexachlorobenzene	Ave	0.2820	0.3126	0.1000	55400	50000	10.8	20.0
Pentachlorophenol	Qua		0.1592	0.0500	104000	100000	4.1	20.0
Pentachloronitrobenzene	Ave	0.1007	0.1103	0.0100	54800	50000	9.6	20.0
n-Octadecane	Ave	0.5530	0.5793	0.0100	52400	50000	4.7	20.0
Phenanthrene	Ave	1.132	1.148	0.7000	50700	50000	1.4	20.0
Anthracene	Ave	1.137	1.137	0.7000	50000	50000	-0.0	20.0
Carbazole	Ave	0.8880	0.8596	0.0100	48400	50000	-3.2	20.0
Di-n-butyl phthalate	Ave	1.039	1.041	0.0100	50100	50000	0.2	20.0
Fluoranthene	Ave	0.9747	0.9389	0.6000	48200	50000	-3.7	20.0
Benzidine	Ave	0.3705	0.3719		50200	50000	0.4	20.0
Pyrene	Ave	1.686	1.719	0.6000	51000	50000	2.0	20.0
Bisphenol-A	Ave	0.5963	0.5685		47700	50000	-4.7	20.0
Butyl benzyl phthalate	Ave	0.5759	0.5711	0.0100	49600	50000	-0.8	20.0
2,3,7,8-TCDD	Ave	0.1448	0.1672	0.0100	577	500	15.4	20.0
Carbamazepine	Ave	0.3963	0.4135	0.0100	52200	50000	4.3	20.0
3,3'-Dichlorobenzidine	Ave	0.3811	0.4109	0.0100	53900	50000	7.8	20.0
Benzo[a]anthracene	Ave	1.222	1.188	0.8000	48600	50000	-2.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-354619/2 Calibration Date: 03/08/2016 10:20
 Instrument ID: CBNAMS5 Calib Start Date: 03/05/2016 13:12
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/05/2016 16:28
 Lab File ID: x11549.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chrysene	Ave	1.077	1.078	0.7000	50100	50000	0.1	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7568	0.7682	0.0100	50800	50000	1.5	20.0
Di-n-octyl phthalate	Ave	1.485	1.455	0.0100	49000	50000	-2.0	20.0
Benzo[b]fluoranthene	Ave	1.188	1.238	0.7000	52100	50000	4.2	20.0
Benzo[k]fluoranthene	Ave	1.279	1.288	0.7000	50400	50000	0.7	20.0
Benzo[a]pyrene	Ave	1.095	1.141	0.7000	52100	50000	4.2	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.8976	1.042	0.5000	58100	50000	16.1	20.0
Dibenz(a,h)anthracene	Ave	0.9030	1.021	0.4000	56500	50000	13.0	20.0
Benzo[g,h,i]perylene	Ave	0.9752	1.030	0.5000	52800	50000	5.6	20.0
2-Fluorophenol (Surr)	Ave	1.323	1.344	0.0100	50800	50000	1.6	20.0
Phenol-d5 (Surr)	Ave	1.472	1.522	0.0100	51700	50000	3.4	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3757	0.3880	0.0100	51600	50000	3.3	20.0
2-Fluorobiphenyl	Ave	1.640	1.685	0.0100	51400	50000	2.8	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1735	0.1916	0.0100	55200	50000	10.4	20.0
Terphenyl-d14 (Surr)	Ave	1.246	1.300	0.0100	52200	50000	4.3	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160308-38136.b\11549.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 08-Mar-2016 10:20:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038136-002
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160308-38136.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 08-Mar-2016 16:21:42 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: szczecha

Date: 08-Mar-2016 16:21:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.470	1.470	0.000	97	648245	50.0	49.2	
2 N-Nitrosodimethylamine	74	1.694	1.694	0.000	83	855340	50.0	49.6	
3 Pyridine	79	1.717	1.717	0.000	91	1483279	50.0	49.4	
\$ 4 2-Fluorophenol	112	2.794	2.794	0.000	96	1764960	50.0	50.8	
\$ 6 Phenol-d5	99	3.723	3.723	0.000	92	1999160	50.0	51.7	
7 Phenol	94	3.735	3.735	0.000	96	2060741	50.0	50.4	
8 Aniline	93	3.735	3.735	0.000	93	2348520	50.0	50.4	
9 Bis(2-chloroethyl)ether	93	3.805	3.805	0.000	98	1530481	50.0	49.9	
10 Benzonitrile	103	3.829	3.829	0.000	66	2988322	NC	NC	
11 2-Chlorophenol	128	3.858	3.858	0.000	97	1784839	50.0	50.4	
12 n-Decane	43	3.911	3.911	0.000	86	1514839	50.0	46.5	
13 1,3-Dichlorobenzene	146	4.005	4.005	0.000	96	2030796	50.0	49.3	
* 14 1,4-Dichlorobenzene-d4	152	4.058	4.058	0.000	95	1050654	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.076	4.076	0.000	95	2049114	50.0	49.6	
16 Benzyl alcohol	108	4.211	4.211	0.000	93	1008138	50.0	52.8	
17 1,2-Dichlorobenzene	146	4.229	4.229	0.000	95	1901846	50.0	49.3	
18 2-Methylphenol	108	4.329	4.329	0.000	89	1399065	50.0	51.0	
19 2,2'-oxybis[1-chloropropan	45	4.346	4.346	0.000	89	1637880	50.0	47.3	
20 N-Methylaniline	106	4.464	4.464	0.000	88	2326284	NC	NC	
21 Acetophenone	105	4.476	4.476	0.000	96	1997334	50.0	51.7	
22 N-Nitrosodi-n-propylamine	70	4.488	4.488	0.000	90	996119	50.0	50.0	
24 4-Methylphenol	108	4.499	4.499	0.000	94	1420972	50.0	49.7	
23 3 & 4 Methylphenol	108	4.499	4.499	0.000	90	1420972	50.0	49.7	
25 Hexachloroethane	117	4.564	4.564	0.000	92	729675	50.0	48.4	
\$ 26 Nitrobenzene-d5	82	4.623	4.623	0.000	89	1709523	50.0	51.6	
28 Nitrobenzene	77	4.646	4.646	0.000	94	2104857	50.0	49.9	
27 n,n'-Dimethylaniline	120	4.652	4.652	0.000	90	2385312	50.0	50.7	
31 Isophorone	82	4.893	4.893	0.000	99	2448105	50.0	51.0	
32 2-Nitrophenol	139	4.958	4.958	0.000	91	840932	50.0	49.8	
33 2,4-Dimethylphenol	122	5.023	5.023	0.000	91	1380111	50.0	50.0	
34 Bis(2-chloroethoxy)methane	93	5.111	5.111	0.000	100	1566712	50.0	50.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.193	5.193	0.000	83	702150	50.0	54.6	
36 2,4-Dichlorophenol	162	5.211	5.211	0.000	96	1372488	50.0	50.3	
37 1,2,4-Trichlorobenzene	180	5.288	5.288	0.000	95	1540013	50.0	47.7	
* 38 Naphthalene-d8	136	5.340	5.340	0.000	99	3524483	40.0	40.0	
39 Naphthalene	128	5.358	5.358	0.000	100	4487527	50.0	49.5	
40 4-Chloroaniline	127	5.423	5.423	0.000	96	1749691	50.0	49.9	
41 Hexachlorobutadiene	225	5.493	5.493	0.000	97	1005766	50.0	50.1	
43 4-Chloro-3-methylphenol	107	5.917	5.917	0.000	97	1194968	50.0	52.7	
44 2-Methylnaphthalene	142	6.052	6.052	0.000	85	3008204	50.0	49.9	
45 1-Methylnaphthalene	142	6.146	6.146	0.000	93	2604907	50.0	50.5	
46 Hexachlorocyclopentadiene	237	6.217	6.217	0.000	97	862223	50.0	49.3	
47 1,2,4,5-Tetrachlorobenzene	216	6.223	6.223	0.000	98	1530649	50.0	49.6	
48 2-tertbutyl-4-methylphenol	149	6.270	6.270	0.000	91	2146080	50.0	52.5	
49 2,4,6-Trichlorophenol	196	6.340	6.340	0.000	92	901802	50.0	50.8	
50 2,4,5-Trichlorophenol	196	6.376	6.376	0.000	98	937891	50.0	51.1	
\$ 51 2-Fluorobiphenyl	172	6.423	6.423	0.000	100	3456085	50.0	51.4	
52 1,1'-Biphenyl	154	6.517	6.517	0.000	95	3380431	50.0	48.7	
53 2-Chloronaphthalene	162	6.535	6.535	0.000	97	2516099	50.0	47.7	
54 Phenyl ether	170	6.623	6.623	0.000	82	1875843	50.0	50.0	
56 2-Nitroaniline	65	6.640	6.640	0.000	98	757816	50.0	49.2	
57 1,3-Dimethylnaphthalene	156	6.752	6.752	0.000	91	2106818	50.0	50.4	
58 Dimethyl phthalate	163	6.835	6.835	0.000	99	2313549	50.0	48.7	
59 Coumarin	146	6.846	6.846	0.000	79	700762	50.0	50.7	
60 2,6-Dinitrotoluene	165	6.887	6.887	0.000	96	569422	50.0	50.5	
61 Acenaphthylene	152	6.940	6.940	0.000	98	3683931	50.0	49.6	
64 3-Nitroaniline	138	7.046	7.046	0.000	95	526855	50.0	48.6	
* 65 Acenaphthene-d10	164	7.082	7.082	0.000	92	1640456	40.0	40.0	
67 Acenaphthene	154	7.111	7.111	0.000	93	2230827	50.0	48.9	
66 3,5-di-tert-butyl-4-hydrox	205	7.117	7.117	0.000	95	2736821	50.0	50.6	
68 2,4-Dinitrophenol	184	7.158	7.158	0.000	95	571405	100.0	108.5	
69 4-Nitrophenol	65	7.234	7.234	0.000	90	618694	100.0	98.4	
70 2,4-Dinitrotoluene	165	7.282	7.282	0.000	94	641562	50.0	50.1	
71 Dibenzofuran	168	7.282	7.282	0.000	96	3353710	50.0	49.4	
72 2,3,4,6-Tetrachlorophenol	232	7.405	7.405	0.000	95	646706	50.0	51.0	
73 Diethyl phthalate	149	7.523	7.523	0.000	99	2182930	50.0	49.4	
75 Fluorene	166	7.617	7.617	0.000	97	2580607	50.0	49.9	
74 4-Chlorophenyl phenyl ethe	204	7.617	7.617	0.000	92	1315302	50.0	50.0	
76 4-Nitroaniline	138	7.652	7.652	0.000	85	416466	50.0	45.8	
77 4,6-Dinitro-2-methylphenol	198	7.687	7.687	0.000	90	670066	100.0	104.7	
78 N-Nitrosodiphenylamine	169	7.746	7.746	0.000	66	3406094	100.0	102.2	
79 1,2-Diphenylhydrazine	77	7.776	7.776	0.000	96	1979673	50.0	51.1	
\$ 80 2,4,6-Tribromophenol	330	7.852	7.852	0.000	93	392823	50.0	55.2	
81 4-Bromophenyl phenyl ether	248	8.093	8.093	0.000	94	746812	50.0	53.2	
83 Hexachlorobenzene	284	8.158	8.158	0.000	96	788981	50.0	55.4	
85 Pentachlorophenol	266	8.352	8.352	0.000	94	803737	100.0	104.1	
86 Pentachloronitrobenzene	237	8.370	8.370	0.000	91	278474	50.0	54.8	
87 n-Octadecane	57	8.446	8.446	0.000	91	1462205	50.0	52.4	
* 88 Phenanthrene-d10	188	8.529	8.529	0.000	98	2019391	40.0	40.0	
89 Phenanthrene	178	8.552	8.552	0.000	96	2898491	50.0	50.7	
90 Anthracene	178	8.599	8.599	0.000	99	2870308	50.0	50.0	
91 Carbazole	167	8.764	8.764	0.000	96	2169837	50.0	48.4	
92 Di-n-butyl phthalate	149	9.111	9.111	0.000	100	2627205	50.0	50.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	9.711	9.711	0.000	99	2370052	50.0	48.2	
94 Benzidine	184	9.846	9.846	0.000	99	938718	50.0	50.2	
95 Pyrene	202	9.934	9.934	0.000	99	2324045	50.0	51.0	
82 Bisphenol-A	213	9.987	9.987	0.000	99	768516	50.0	47.7	
\$ 96 Terphenyl-d14	244	10.093	10.093	0.000	99	1757071	50.0	52.2	
97 Butyl benzyl phthalate	149	10.599	10.599	0.000	96	772095	50.0	49.6	
98 2,3,7,8-TCDD	320	10.693	10.693	0.000	86	2260	0.5000	0.5771	
99 Carbamazepine	193	10.705	10.705	0.000	93	559091	50.0	52.2	
100 3,3'-Dichlorobenzidine	252	11.181	11.181	0.000	99	555537	50.0	53.9	
101 Benzo[a]anthracene	228	11.205	11.205	0.000	97	1605552	50.0	48.6	
* 102 Chrysene-d12	240	11.217	11.217	0.000	99	1081569	40.0	40.0	
103 Chrysene	228	11.246	11.246	0.000	99	1457678	50.0	50.1	
104 Bis(2-ethylhexyl) phthalat	149	11.264	11.264	0.000	86	1038546	50.0	50.8	
105 Di-n-octyl phthalate	149	12.081	12.081	0.000	97	1533432	50.0	49.0	
106 Benzo[b]fluoranthene	252	12.552	12.552	0.000	98	1304442	50.0	52.1	
107 Benzo[k]fluoranthene	252	12.587	12.587	0.000	99	1357476	50.0	50.4	
108 Benzo[a]pyrene	252	12.981	12.981	0.000	99	1202433	50.0	52.1	
* 109 Perylene-d12	264	13.058	13.058	0.000	99	842993	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.493	14.493	0.000	98	1098289	50.0	58.1	
111 Dibenz(a,h)anthracene	278	14.522	14.522	0.000	96	1075376	50.0	56.5	
112 Benzo[g,h,i]perylene	276	14.869	14.869	0.000	97	1085236	50.0	52.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160308-38136.b\\x11549.D

Injection Date: 08-Mar-2016 10:20:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: ccvis

Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul

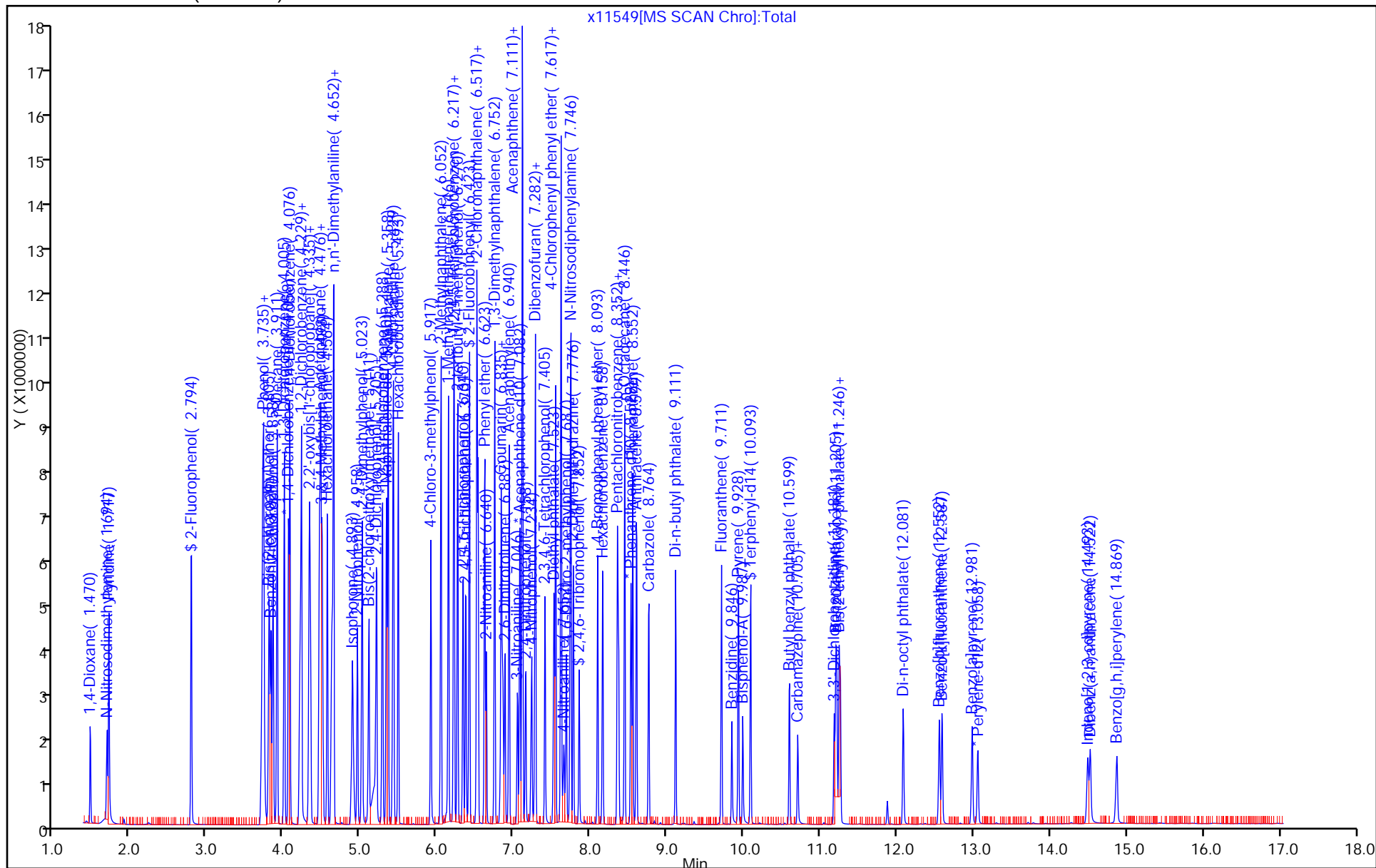
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-109448-1
SDG No.: _____
Lab Sample ID: CCV 460-354619/3 Calibration Date: 03/08/2016 11:31
Instrument ID: CBNAMS5 Calib Start Date: 03/05/2016 16:51
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 03/05/2016 19:12
Lab File ID: x11550.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	0.9899	0.9847	0.0100	49700	50000	-0.5	20.0
Caprolactam	Ave	0.0770	0.0757	0.0100	49100	50000	-1.8	20.0
Atrazine	Ave	0.2032	0.2076	0.0100	51100	50000	2.1	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160308-38136.b\11550.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 08-Mar-2016 11:31:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038136-003
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160308-38136.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 08-Mar-2016 16:23:53 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: szczecha

Date: 08-Mar-2016 16:23:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.605	3.605	0.000	93	1272464	50.0	49.7	
* 14 1,4-Dichlorobenzene-d4	152	4.046	4.046	0.000	95	1033823	40.0	40.0	
* 38 Naphthalene-d8	136	5.323	5.323	0.000	100	3537868	40.0	40.0	
42 Caprolactam	113	5.746	5.746	0.000	93	334563	50.0	49.1	
* 65 Acenaphthene-d10	164	7.070	7.070	0.000	92	1739747	40.0	40.0	
84 Atrazine	200	8.264	8.264	0.000	96	626327	50.0	51.1	
* 88 Phenanthrene-d10	188	8.523	8.523	0.000	98	2414081	40.0	40.0	
* 102 Chrysene-d12	240	11.211	11.211	0.000	99	1271414	40.0	40.0	
* 109 Perylene-d12	264	13.058	13.058	0.000	99	774495	40.0	40.0	

Reagents:

SV_IC-S_L6_00015

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160308-38136.b\\x11550.D

Injection Date: 08-Mar-2016 11:31:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: ccv

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

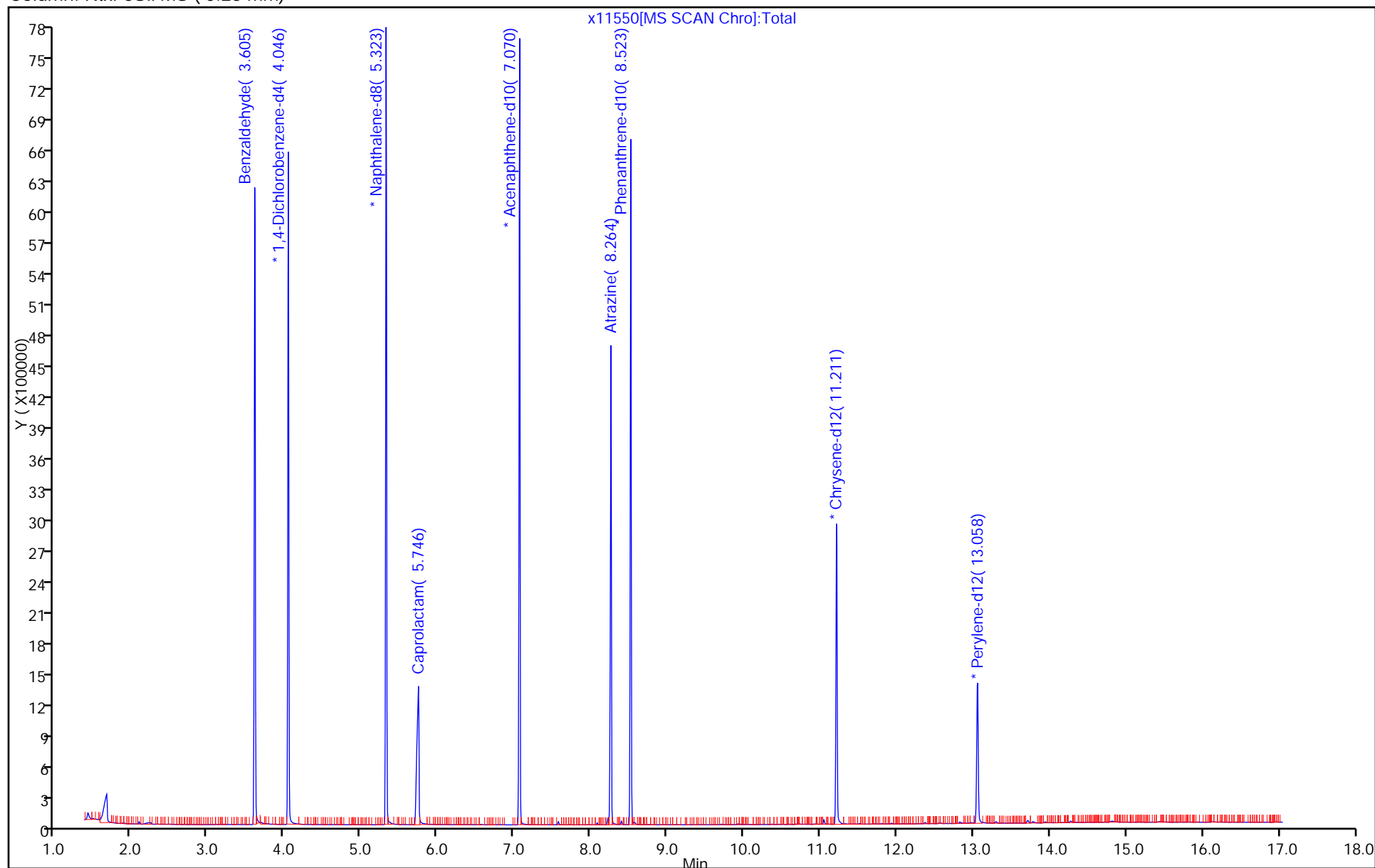
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11406.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 05-Mar-2016 12:53:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038056-001
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Mar-2016 01:50:05 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: szczecha

Date: 05-Mar-2016 13:48:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	4.887	4.887	0.000	92	35772	NR	NR	
55 Benzidine_T	184	6.710	6.710	0.000	99	252294	NR	NR	
124 DFTPP									
125 4,4'-DDE	246	6.946	6.946	0.000	1	174		NR	
126 4,4'-DDD	235	7.351	7.351	0.000	94	5417		NR	M
127 4,4'-DDT	235	7.704	7.704	0.000	98	76893	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

SMDFTP_CH_00015

Amount Added: 1.00

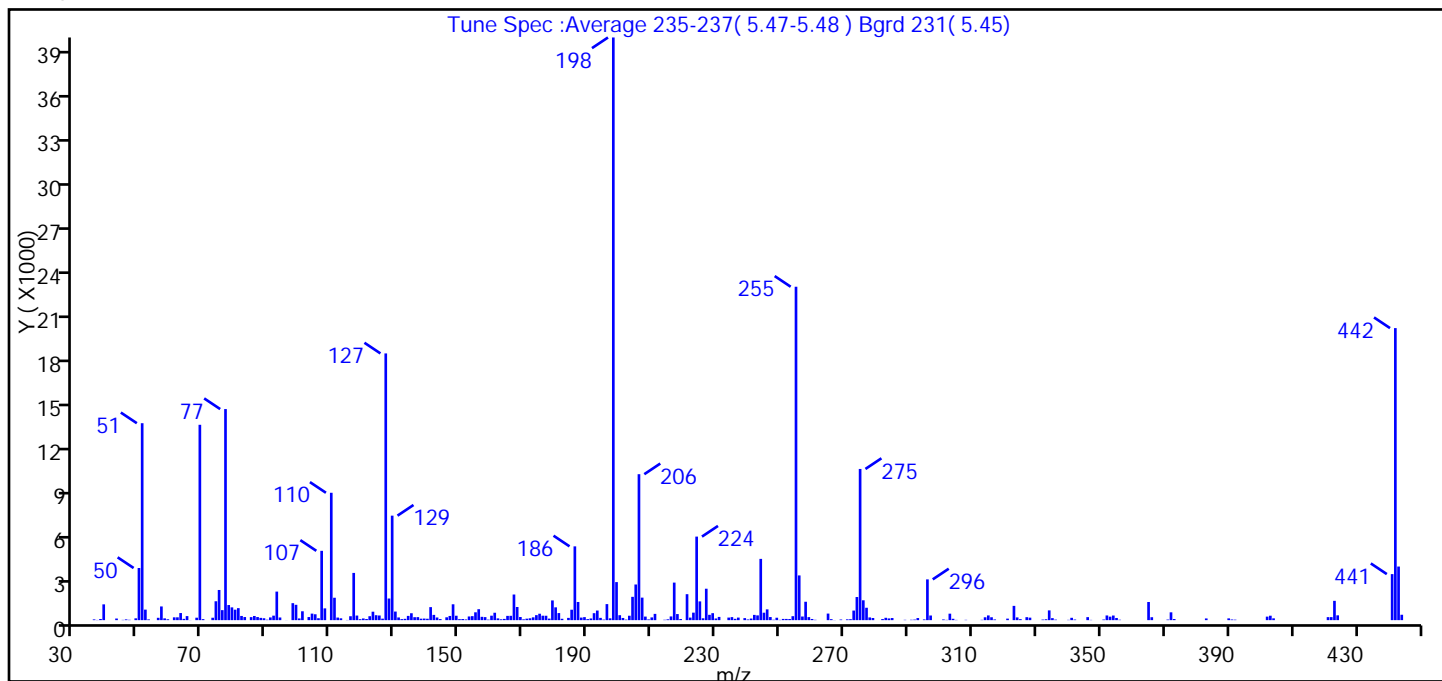
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11406.D
Injection Date: 05-Mar-2016 12:53:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Tune Method: DFTPP Method 8270

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	33.8
68	<2% of mass 69	0.4 (1.3)
69	Present	33.5
70	<2% of mass 69	0.2 (0.5)
127	40-60% of mass 198	45.8
197	<1% of mass 198	0.3
199	5-9% of mass 198	6.5
275	10-30% of mass 198	25.9
365	>1% of mass 198	3.1
441	Present but less than mass 443	7.9 (85.9)
442	>40% of mass 198	50.1
443	17-23% of mass 442	9.2 (18.4)

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11406.D\8270_5R.rslt\spectra.d
Injection Date: 05-Mar-2016 12:53:30
Spectrum: Tune Spec :Average 235-237(5.47-5.48) Bgrd 231(5.45)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 278

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	51	123.00	576	195.00	37	276.00	1355
37.00	13	124.00	337	196.00	1095	277.00	846
38.00	78	125.00	317	197.00	124	278.00	185
39.00	1078	126.00	102	198.00	39776	279.00	146
43.00	110	127.00	18208	199.00	2597	282.00	74
45.00	18	128.00	1477	200.00	338	283.00	160
46.00	52	129.00	7133	201.00	149	284.00	117
47.00	23	130.00	586	202.00	37	285.00	144
49.00	124	131.00	184	203.00	301	289.00	22
50.00	3559	132.00	70	204.00	1591	291.00	26
51.00	13444	133.00	91	205.00	2434	292.00	39
52.00	718	134.00	290	206.00	9963	293.00	143
53.00	51	135.00	471	207.00	1537	295.00	48
56.00	160	136.00	201	208.00	243	296.00	2783
57.00	935	137.00	206	209.00	50	297.00	316
58.00	121	138.00	99	210.00	187	301.00	48
59.00	59	139.00	108	211.00	428	302.00	18
61.00	192	140.00	96	214.00	26	303.00	442
62.00	193	141.00	889	215.00	57	304.00	93
63.00	485	142.00	359	216.00	253	305.00	16
64.00	88	143.00	181	217.00	2563	308.00	21
65.00	276	144.00	73	218.00	415	313.00	22
66.00	6	146.00	194	219.00	77	314.00	195
68.00	167	147.00	286	221.00	1772	315.00	322
69.00	13336	148.00	1083	222.00	174	316.00	197
70.00	70	149.00	301	223.00	512	317.00	48
73.00	164	150.00	68	224.00	5703	321.00	104
74.00	1289	151.00	76	225.00	1280	323.00	974
75.00	2059	152.00	48	226.00	127	324.00	186
76.00	683	153.00	251	227.00	2145	325.00	68
77.00	14409	154.00	272	228.00	363	327.00	202
78.00	1031	155.00	535	229.00	476	328.00	170
79.00	872	156.00	747	230.00	113	332.00	39

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	714	157.00	226	231.00	220	333.00	61
81.00	819	158.00	207	234.00	175	334.00	666
82.00	286	159.00	36	235.00	206	335.00	137
83.00	211	160.00	304	236.00	91	336.00	37
85.00	206	161.00	505	237.00	175	340.00	20
86.00	284	162.00	120	239.00	139	341.00	160
87.00	212	163.00	57	240.00	47	342.00	42
88.00	155	164.00	85	241.00	109	346.00	205
89.00	130	165.00	291	242.00	358	347.00	17
90.00	30	166.00	296	243.00	325	351.00	42
91.00	186	167.00	1750	244.00	4182	352.00	320
92.00	306	168.00	897	245.00	508	353.00	238
93.00	1949	169.00	214	246.00	736	354.00	315
94.00	182	170.00	55	247.00	211	355.00	148
96.00	4	171.00	101	248.00	26	356.00	27
98.00	1159	172.00	127	249.00	165	365.00	1239
99.00	1047	173.00	192	250.00	19	366.00	200
100.00	117	174.00	341	251.00	84	371.00	39
101.00	605	175.00	438	252.00	83	372.00	534
103.00	211	176.00	303	253.00	77	373.00	77
104.00	445	177.00	300	254.00	270	383.00	116
105.00	401	178.00	105	255.00	22760	390.00	120
106.00	130	179.00	1346	256.00	3053	391.00	45
107.00	4732	180.00	874	257.00	248	392.00	32
108.00	804	181.00	483	258.00	1256	402.00	240
110.00	8695	182.00	93	259.00	206	403.00	303
111.00	1529	184.00	154	260.00	79	404.00	123
112.00	176	185.00	712	261.00	23	421.00	205
113.00	125	186.00	5037	265.00	448	422.00	206
115.00	12	187.00	1240	266.00	66	423.00	1318
116.00	267	188.00	175	267.00	7	424.00	328
117.00	3224	189.00	205	269.00	43	441.00	3143
118.00	313	190.00	71	271.00	55	442.00	19936
119.00	66	191.00	114	272.00	65	443.00	3659

Report Date: 06-Mar-2016 01:50:07

Chrom Revision: 2.2 02-Dec-2015 11:51:48

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11406.D\8270_5R.rslt\spectra.d

Injection Date: 05-Mar-2016 12:53:30

Spectrum: Tune Spec :Average 235-237(5.47-5.48) Bgrd 231(5.45)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 278

m/z	Y	m/z	Y	m/z	Y	m/z	Y
120.00	115	192.00	475	273.00	654	444.00	368
121.00	77	193.00	655	274.00	1578		
122.00	269	194.00	155	275.00	10321		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11406.D
Injection Date: 05-Mar-2016 12:53:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

127 4,4'-DDT, Detector: MS SCAN

SW-846 Method

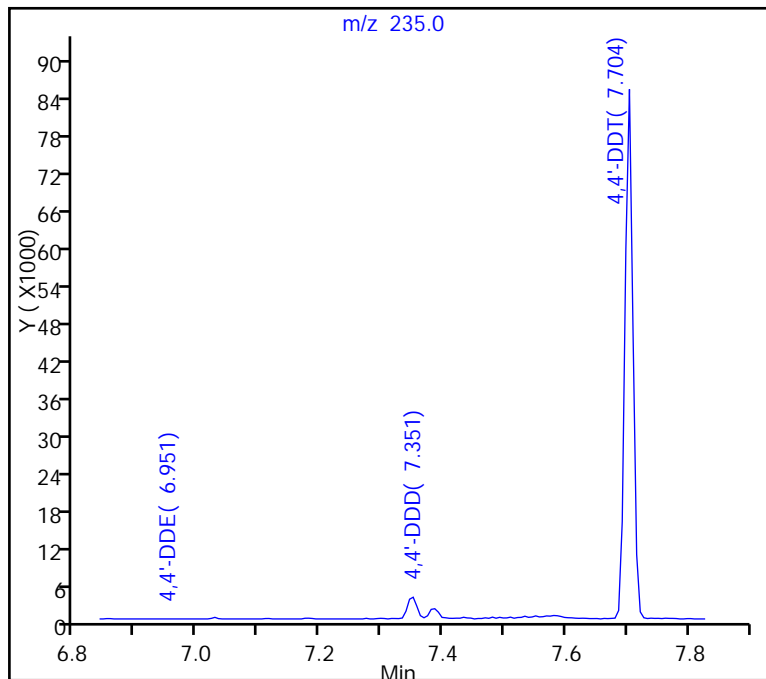
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 76893

126 4,4'-DDD, Area = 5417

125 4,4'-DDE, Area = 174

%Breakdown: 6.78%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11406.D
Injection Date: 05-Mar-2016 12:53:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

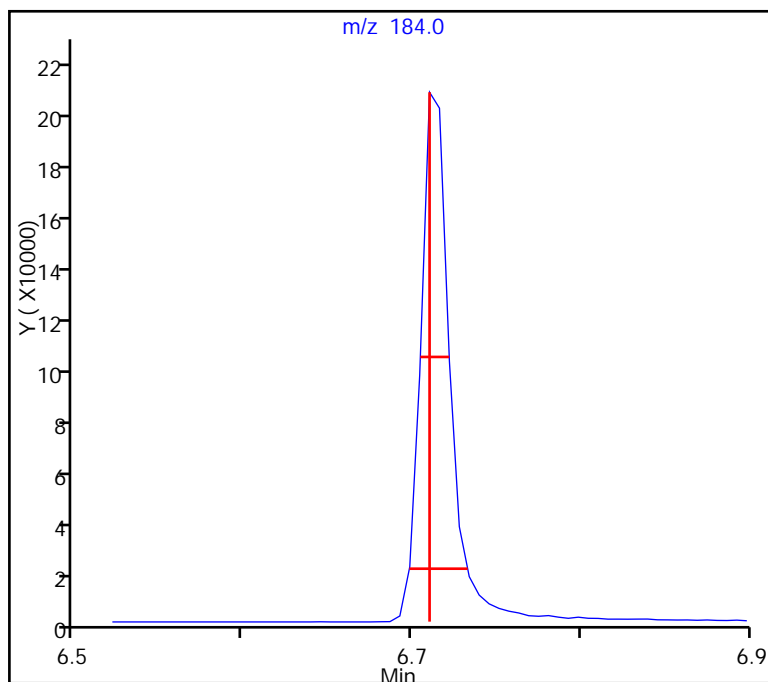
55 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.023 (min.)

Front Width = 0.012 (min.)

Tailing Factor = 1.9, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11406.D
Injection Date: 05-Mar-2016 12:53:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

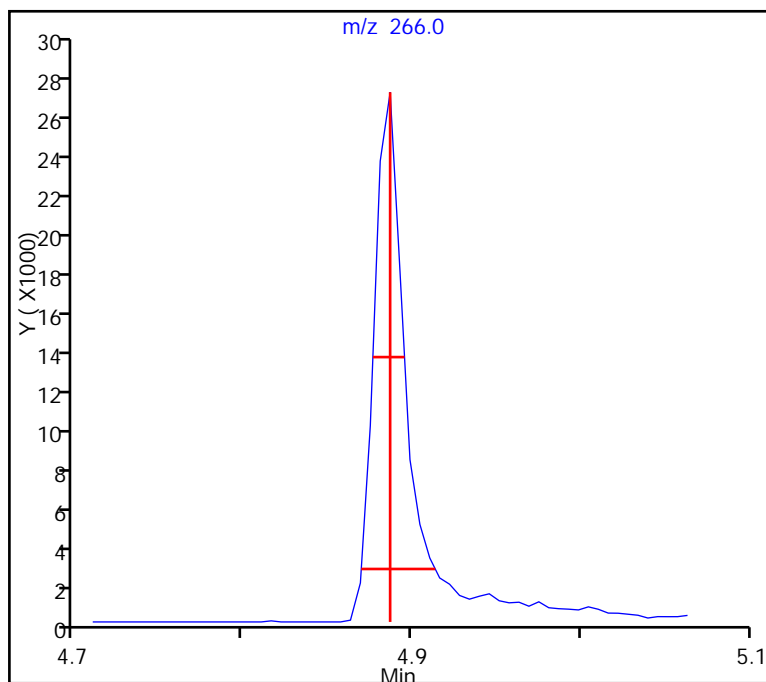
30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.027 (min.)

Front Width = 0.017 (min.)

Tailing Factor = 1.6, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\11508.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 07-Mar-2016 16:45:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038117-001
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 08-Mar-2016 10:58:05 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: szczecha

Date: 08-Mar-2016 10:58:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	4.834	4.834	0.000	91	41168	NR	NR	
55 Benzidine_T	184	6.657	6.657	0.000	99	340849	NR	NR	
124 DFTPP									
125 4,4'-DDE	246	6.898	6.898	0.000	2	255		NR	
126 4,4'-DDD	235	7.293	7.293	0.000	94	6346		NR	M
127 4,4'-DDT	235	7.645	7.645	0.000	98	120084	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

SMDFTP_CH_00014

Amount Added: 1.00

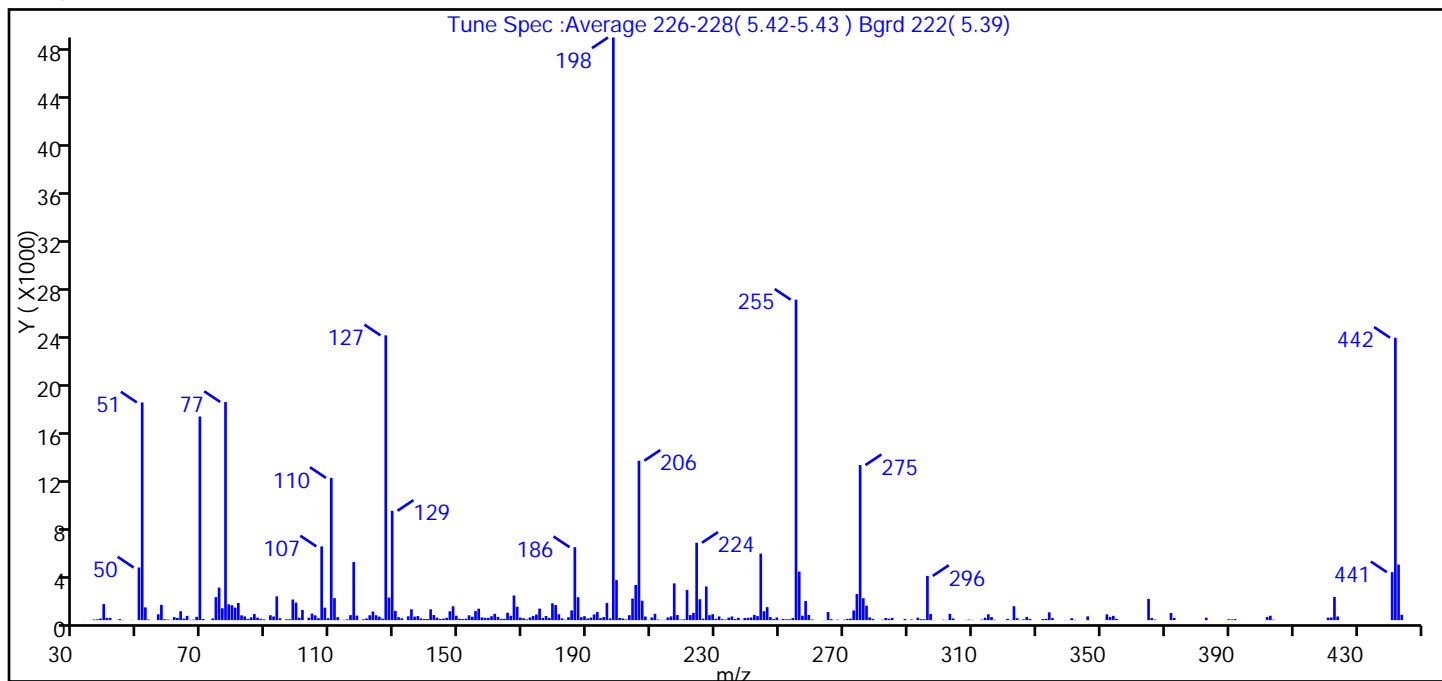
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\11508.D
Injection Date: 07-Mar-2016 16:45:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Tune Method: DFTPP Method 8270

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	37.4
68	<2% of mass 69	0.6 (1.6)
69	Present	35.0
70	<2% of mass 69	0.2 (0.6)
127	40-60% of mass 198	48.9
197	<1% of mass 198	0.3
199	5-9% of mass 198	6.9
275	10-30% of mass 198	26.6
365	>1% of mass 198	3.6
441	Present but less than mass 443	8.2 (86.3)
442	>40% of mass 198	48.5
443	17-23% of mass 442	9.5 (19.7)

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\11508.D\8270_5R.rslt\spectra.d
Injection Date: 07-Mar-2016 16:45:30
Spectrum: Tune Spec :Average 226-228(5.42-5.43) Bgrd 222(5.39)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 290

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	56	122.00	407	196.00	1434	273.00	805
37.00	71	123.00	716	197.00	146	274.00	2171
38.00	137	124.00	405	198.00	48408	275.00	12883
39.00	1333	125.00	289	199.00	3324	276.00	1821
40.00	186	126.00	131	200.00	184	277.00	1202
41.00	184	127.00	23664	201.00	136	278.00	232
44.00	88	128.00	1876	202.00	61	279.00	103
45.00	18	129.00	9086	203.00	412	282.00	35
48.00	17	130.00	766	204.00	1793	283.00	181
50.00	4375	131.00	242	205.00	2925	284.00	116
51.00	18088	132.00	156	206.00	13247	285.00	189
52.00	1060	134.00	320	207.00	1616	289.00	101
53.00	54	135.00	902	208.00	301	291.00	56
56.00	491	136.00	290	209.00	13	293.00	204
57.00	1271	137.00	334	210.00	224	294.00	85
58.00	77	138.00	144	211.00	524	295.00	78
59.00	53	139.00	90	212.00	48	296.00	3674
60.00	26	140.00	96	213.00	24	297.00	512
61.00	255	141.00	901	214.00	25	298.00	17
62.00	188	142.00	424	215.00	225	301.00	37
63.00	741	143.00	207	216.00	311	302.00	19
64.00	128	144.00	95	217.00	3055	303.00	525
65.00	353	145.00	131	218.00	422	304.00	139
66.00	27	146.00	193	219.00	43	308.00	19
67.00	46	147.00	737	220.00	65	309.00	41
68.00	277	148.00	1152	221.00	2509	310.00	21
69.00	16920	149.00	364	222.00	424	313.00	45
70.00	94	150.00	116	223.00	605	314.00	202
73.00	141	151.00	95	224.00	6430	315.00	488
74.00	1910	152.00	121	225.00	1736	316.00	254
75.00	2705	153.00	403	226.00	124	317.00	36
76.00	987	154.00	283	227.00	2798	321.00	106
77.00	18128	155.00	751	228.00	413	322.00	27

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\11508.D\8270_5R.rsl\spectra.d

Injection Date: 07-Mar-2016 16:45:30

Spectrum: Tune Spec :Average 226-228(5.42-5.43) Bgrd 222(5.39)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 290

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	1312	156.00	953	229.00	494	323.00	1157
79.00	1239	157.00	231	230.00	112	324.00	160
80.00	1043	158.00	197	231.00	309	325.00	20
81.00	1423	159.00	193	232.00	80	326.00	65
82.00	397	160.00	324	233.00	45	327.00	272
83.00	314	161.00	528	234.00	209	328.00	106
84.00	105	162.00	273	235.00	302	332.00	92
85.00	236	163.00	111	236.00	92	333.00	108
86.00	504	164.00	112	237.00	197	334.00	649
87.00	206	165.00	618	238.00	21	335.00	170
88.00	107	166.00	357	239.00	181	339.00	17
89.00	66	167.00	2048	240.00	195	341.00	165
91.00	407	168.00	1115	241.00	219	342.00	29
92.00	303	169.00	217	242.00	439	346.00	316
93.00	1976	170.00	158	243.00	336	352.00	481
94.00	154	171.00	68	244.00	5529	353.00	265
96.00	75	172.00	226	245.00	743	354.00	357
97.00	69	173.00	349	246.00	1080	355.00	106
98.00	1712	174.00	467	247.00	254	365.00	1762
99.00	1456	175.00	959	248.00	94	366.00	181
100.00	204	176.00	188	249.00	217	367.00	45
101.00	850	177.00	345	250.00	27	372.00	597
103.00	202	178.00	194	251.00	98	373.00	186
104.00	545	179.00	1397	252.00	74	383.00	205
105.00	397	180.00	1256	253.00	74	390.00	70
106.00	160	181.00	487	254.00	177	391.00	62
107.00	6127	182.00	149	255.00	26624	392.00	86
108.00	1038	183.00	37	256.00	4036	402.00	268
109.00	160	184.00	246	257.00	362	403.00	365
110.00	11819	185.00	813	258.00	1592	404.00	36
111.00	1826	186.00	6064	259.00	434	421.00	209
112.00	246	187.00	1909	260.00	59	422.00	224
114.00	35	188.00	243	263.00	9	423.00	1934
115.00	66	189.00	330	264.00	18	424.00	306

Report Date: 08-Mar-2016 10:58:06

Chrom Revision: 2.2 02-Dec-2015 11:51:48

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\11508.D\8270_5R.rslt\spectra.d

Injection Date: 07-Mar-2016 16:45:30

Spectrum: Tune Spec :Average 226-228(5.42-5.43) Bgrd 222(5.39)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 290

m/z	Y	m/z	Y	m/z	Y	m/z	Y
116.00	417	190.00	139	265.00	675	441.00	3984
117.00	4833	191.00	214	266.00	87	442.00	23464
118.00	375	192.00	474	268.00	37	443.00	4616
119.00	9	193.00	673	270.00	41	444.00	444
120.00	77	194.00	165	271.00	108		
121.00	138	195.00	255	272.00	125		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\11508.D
Injection Date: 07-Mar-2016 16:45:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

127 4,4'-DDT, Detector: MS SCAN

SW-846 Method

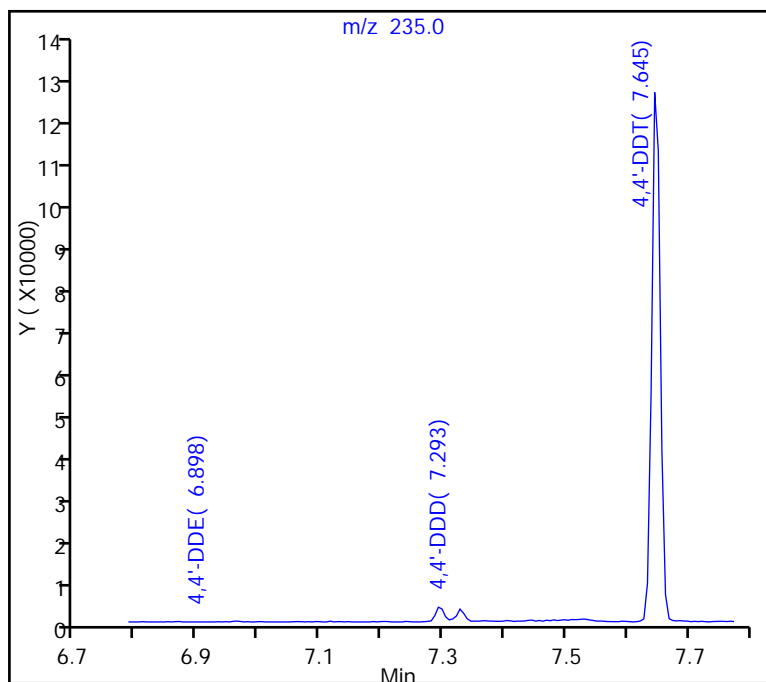
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 120084

126 4,4'-DDD, Area = 6346

125 4,4'-DDE, Area = 255

%Breakdown: 5.21%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\11508.D
Injection Date: 07-Mar-2016 16:45:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

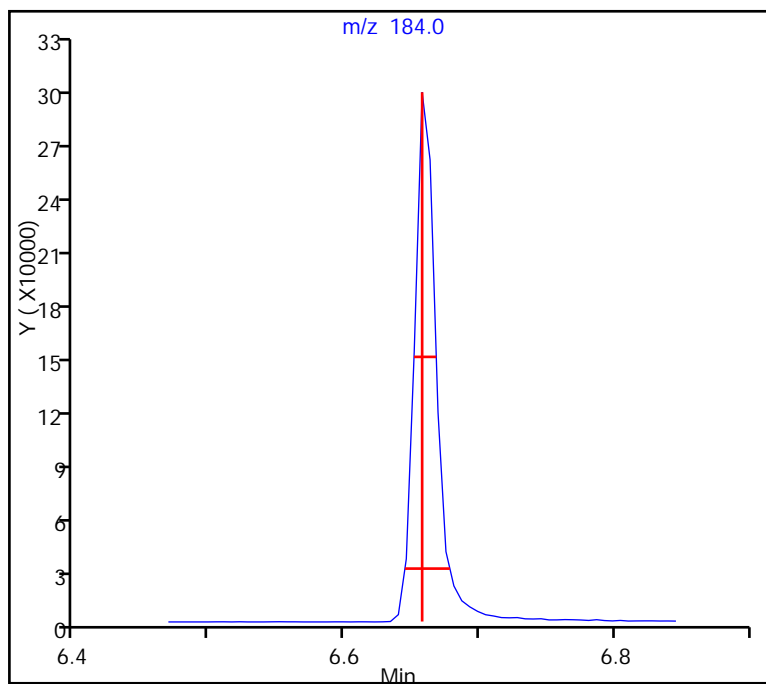
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

55 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 1.6, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\11508.D
Injection Date: 07-Mar-2016 16:45:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

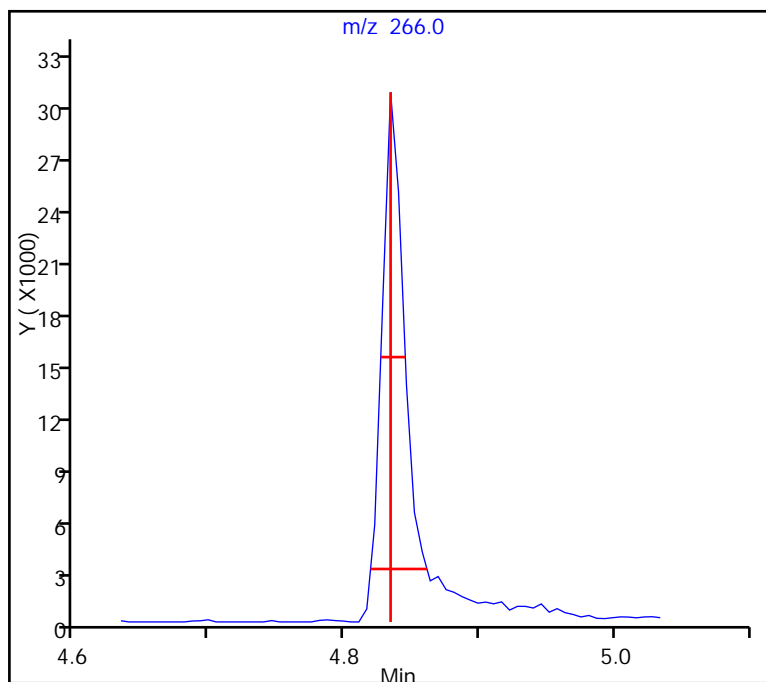
30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.027 (min.)

Front Width = 0.015 (min.)

Tailing Factor = 1.8, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160308-38136.b\11548.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 08-Mar-2016 10:04:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038136-001
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160308-38136.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 08-Mar-2016 16:21:14 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: szczecha

Date: 08-Mar-2016 16:21:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	4.740	4.740	0.000	93	29663	NR	NR	
55 Benzidine_T	184	6.569	6.569	0.000	99	283933	NR	NR	
124 DFTPP									
125 4,4'-DDE	246	6.804	6.804	0.000	69	294		NR	
126 4,4'-DDD	235	7.204	7.204	0.000	93	8402		NR	M
127 4,4'-DDT	235	7.557	7.557	0.000	98	99785	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

SMDFTP_CH_00014

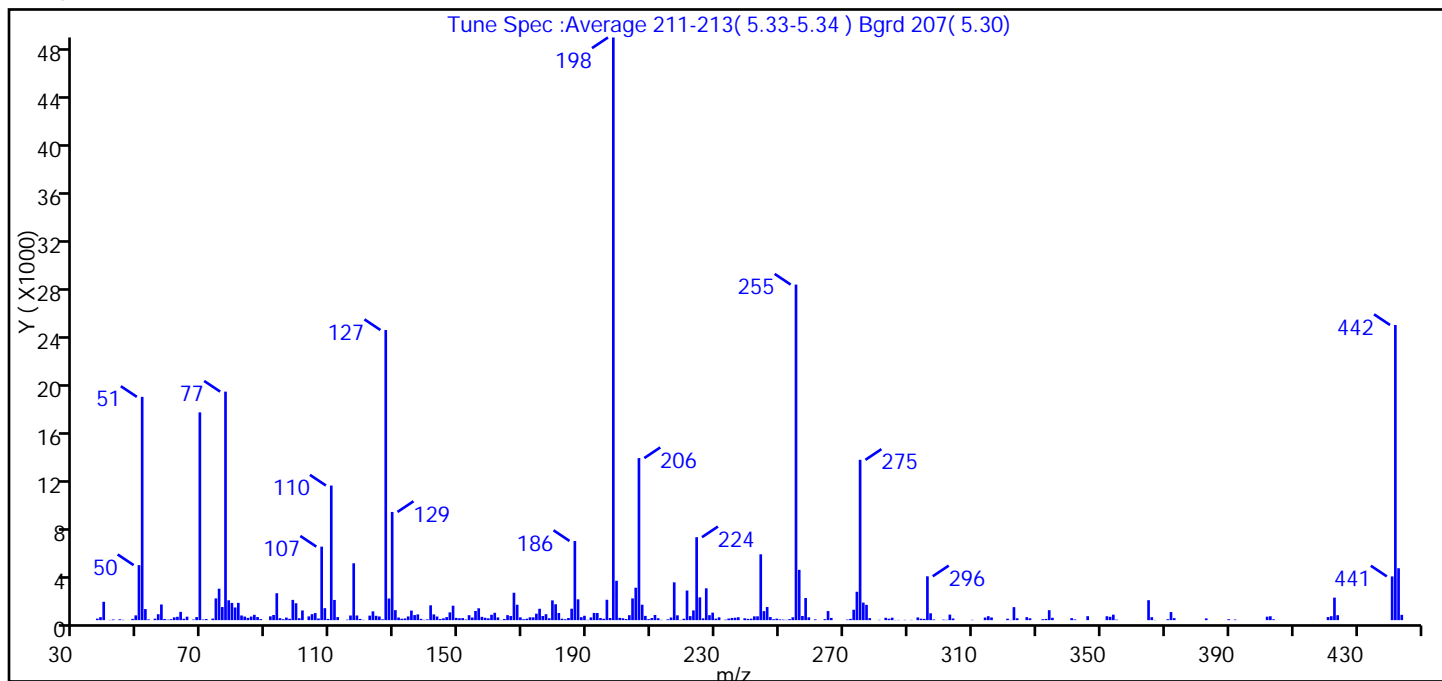
Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160308-38136.b\11548.D
Injection Date: 08-Mar-2016 10:04:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_5R Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	38.3
68	<2% of mass 69	0.5 (1.5)
69	Present	35.7
70	<2% of mass 69	0.1 (0.3)
127	40-60% of mass 198	49.8
197	<1% of mass 198	0.4
199	5-9% of mass 198	6.8
275	10-30% of mass 198	27.5
365	>1% of mass 198	3.4
441	Present but less than mass 443	7.5 (84.3)
442	>40% of mass 198	50.7
443	17-23% of mass 442	8.9 (17.6)

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160308-38136.b\11548.D\8270_5R.rslt\spectra.d
Injection Date: 08-Mar-2016 10:04:30
Spectrum: Tune Spec :Average 211-213(5.33-5.34) Bgrd 207(5.30)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 278

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	124	119.00	101	190.00	22	266.00	184
38.00	246	120.00	25	191.00	225	271.00	45
39.00	1516	122.00	372	192.00	598	272.00	105
41.00	22	123.00	725	193.00	587	273.00	859
42.00	55	124.00	360	194.00	172	274.00	2346
44.00	66	125.00	301	195.00	113	275.00	13241
45.00	27	126.00	71	196.00	1684	276.00	1449
48.00	104	127.00	23960	197.00	175	277.00	1264
49.00	395	128.00	1787	198.00	48120	278.00	166
50.00	4545	129.00	8936	199.00	3251	281.00	26
51.00	18440	130.00	825	200.00	189	283.00	195
52.00	915	131.00	216	201.00	155	284.00	115
53.00	61	132.00	115	202.00	90	285.00	200
55.00	123	133.00	139	203.00	409	286.00	17
56.00	491	134.00	306	204.00	1795	287.00	18
57.00	1294	135.00	791	205.00	2678	289.00	24
58.00	93	136.00	419	206.00	13385	291.00	22
59.00	39	137.00	475	207.00	1273	293.00	226
60.00	80	138.00	107	208.00	351	294.00	118
61.00	230	139.00	27	209.00	82	295.00	104
62.00	278	140.00	61	210.00	172	296.00	3622
63.00	683	141.00	1224	211.00	426	297.00	565
64.00	117	142.00	475	212.00	159	298.00	57
65.00	285	143.00	300	213.00	20	301.00	41
67.00	50	144.00	93	215.00	67	302.00	26
68.00	253	145.00	151	216.00	215	303.00	459
69.00	17160	146.00	252	217.00	3121	304.00	138
70.00	51	147.00	642	218.00	397	310.00	27
71.00	92	148.00	1193	219.00	21	314.00	214
73.00	128	149.00	188	220.00	113	315.00	327
74.00	1797	150.00	157	221.00	2446	316.00	222
75.00	2599	151.00	170	222.00	331	321.00	119
76.00	1081	152.00	54	223.00	804	322.00	17

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160308-38136.b\11548.D\8270_5R.rsl\spectra.d

Injection Date: 08-Mar-2016 10:04:30

Spectrum: Tune Spec :Average 211-213(5.33-5.34) Bgrd 207(5.30)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 278

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.00	18872	153.00	408	224.00	6851	323.00	1075
78.00	1642	154.00	217	225.00	1881	324.00	155
79.00	1423	155.00	756	226.00	151	327.00	247
80.00	1047	156.00	979	227.00	2628	328.00	152
81.00	1428	157.00	273	228.00	411	332.00	79
82.00	385	158.00	196	229.00	620	333.00	102
83.00	296	159.00	148	230.00	123	334.00	822
84.00	187	160.00	445	231.00	233	335.00	193
85.00	296	161.00	607	233.00	41	341.00	166
86.00	440	162.00	224	234.00	130	342.00	60
87.00	258	163.00	18	235.00	182	346.00	327
88.00	87	164.00	97	236.00	200	352.00	322
91.00	314	165.00	414	237.00	239	353.00	276
92.00	426	166.00	344	239.00	154	354.00	453
93.00	2223	167.00	2263	240.00	105	355.00	44
94.00	164	168.00	1272	241.00	119	365.00	1648
95.00	79	169.00	229	242.00	313	366.00	245
96.00	210	170.00	78	243.00	316	367.00	19
97.00	111	171.00	119	244.00	5437	371.00	77
98.00	1673	172.00	234	245.00	744	372.00	666
99.00	1395	173.00	233	246.00	1082	373.00	165
100.00	158	174.00	536	247.00	253	383.00	143
101.00	799	175.00	940	248.00	79	390.00	78
103.00	311	176.00	340	249.00	125	392.00	49
104.00	494	177.00	491	250.00	60	402.00	286
105.00	585	178.00	156	251.00	44	403.00	321
106.00	137	179.00	1632	252.00	25	404.00	68
107.00	6071	180.00	1313	253.00	84	421.00	256
108.00	989	181.00	593	254.00	238	422.00	324
109.00	101	182.00	117	255.00	27712	423.00	1860
110.00	11117	183.00	74	256.00	4155	424.00	409
111.00	1668	184.00	177	257.00	342	441.00	3613
112.00	252	185.00	944	258.00	1826	442.00	24376
115.00	41	186.00	6539	259.00	234	443.00	4288

Report Date: 08-Mar-2016 16:21:18

Chrom Revision: 2.2 02-Dec-2015 11:51:48

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160308-38136.blx11548.D\8270_5R.rslt\spectra.d

Injection Date: 08-Mar-2016 10:04:30

Spectrum: Tune Spec :Average 211-213(5.33-5.34) Bgrd 207(5.30)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 278

m/z	Y	m/z	Y	m/z	Y	m/z	Y
116.00	382	187.00	1720	261.00	65	444.00	436
117.00	4696	188.00	244	264.00	82		
118.00	384	189.00	361	265.00	750		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160308-38136.b\11548.D
Injection Date: 08-Mar-2016 10:04:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

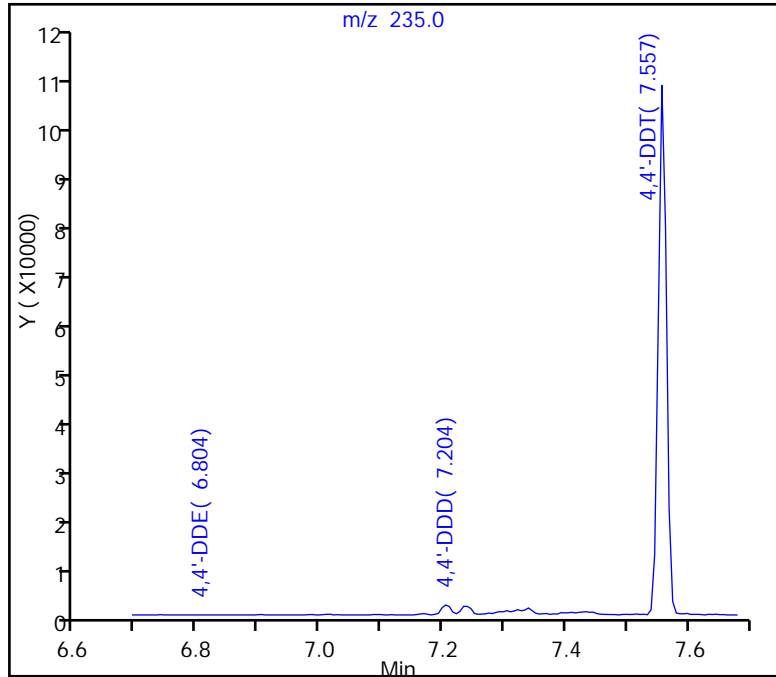
127 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 99785
126 4,4'-DDD, Area = 8402
125 4,4'-DDE, Area = 294

%Breakdown: 8.02%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160308-38136.b\11548.D
Injection Date: 08-Mar-2016 10:04:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

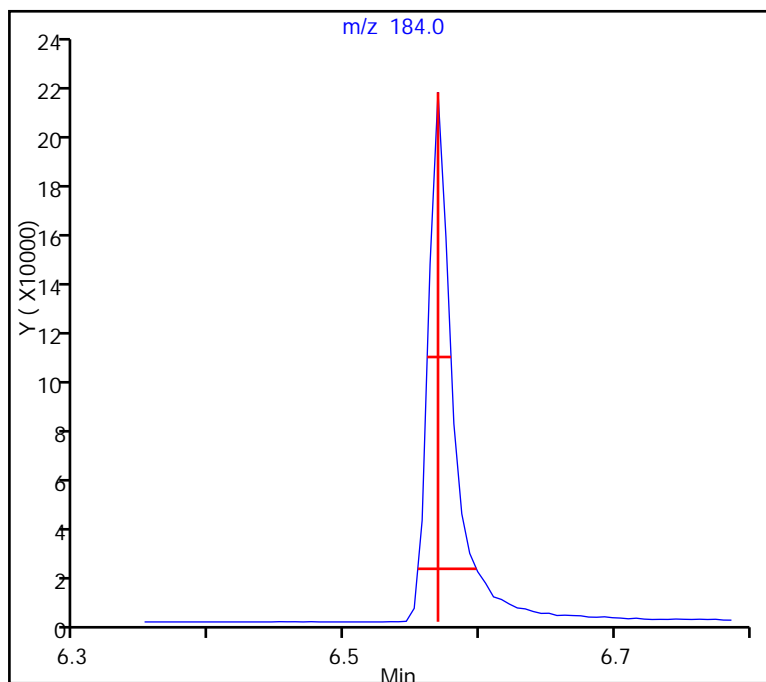
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

55 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.028 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.9, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160308-38136.b\11548.D
Injection Date: 08-Mar-2016 10:04:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

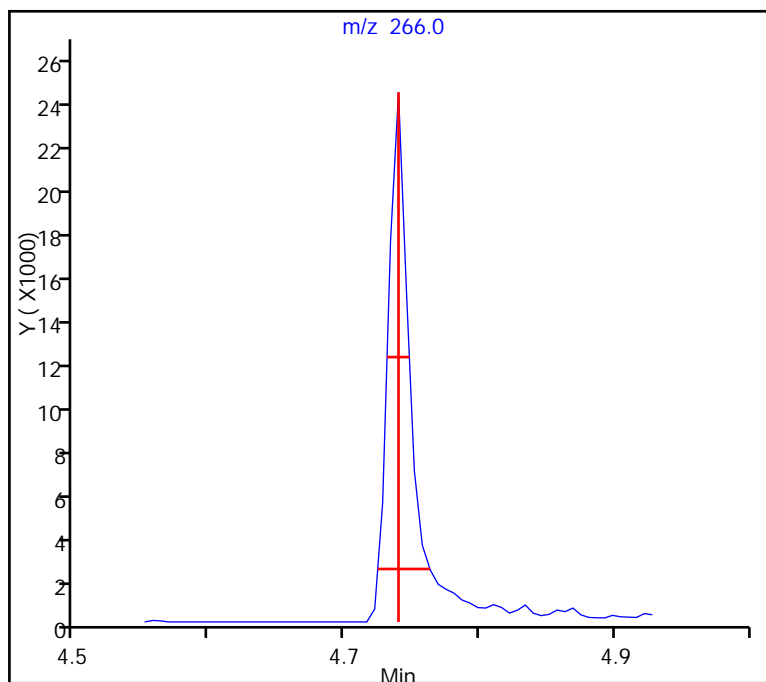
30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.023 (min.)

Front Width = 0.015 (min.)

Tailing Factor = 1.5, Max. Tailing < 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109448-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-353351/1-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x11514.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>03/01/2016 12:43</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>03/07/2016 19:17</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>354522</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	330	U	330	28
95-94-3	1,2,4,5-Tetrachlorobenzene	330	U	330	25
108-60-1	2,2'-oxybis[1-chloropropane]	330	U	330	14
58-90-2	2,3,4,6-Tetrachlorophenol	330	U	330	31
95-95-4	2,4,5-Trichlorophenol	330	U	330	33
88-06-2	2,4,6-Trichlorophenol	130	U	130	9.4
120-83-2	2,4-Dichlorophenol	130	U	130	7.8
105-67-9	2,4-Dimethylphenol	330	U	330	73
51-28-5	2,4-Dinitrophenol	270	U	270	250
121-14-2	2,4-Dinitrotoluene	67	U	67	13
606-20-2	2,6-Dinitrotoluene	67	U	67	18
91-58-7	2-Chloronaphthalene	330	U	330	7.5
95-57-8	2-Chlorophenol	330	U	330	8.4
91-57-6	2-Methylnaphthalene	330	U	330	7.3
95-48-7	2-Methylphenol	330	U	330	14
88-74-4	2-Nitroaniline	330	U	330	11
88-75-5	2-Nitrophenol	330	U	330	11
91-94-1	3,3'-Dichlorobenzidine	130	U	130	37
99-09-2	3-Nitroaniline	330	U	330	9.8
534-52-1	4,6-Dinitro-2-methylphenol	270	U	270	88
101-55-3	4-Bromophenyl phenyl ether	330	U	330	10
59-50-7	4-Chloro-3-methylphenol	330	U	330	14
106-47-8	4-Chloroaniline	330	U	330	8.5
7005-72-3	4-Chlorophenyl phenyl ether	330	U	330	9.9
106-44-5	4-Methylphenol	330	U	330	9.0
100-01-6	4-Nitroaniline	330	U	330	13
100-02-7	4-Nitrophenol	670	U	670	160
83-32-9	Acenaphthene	330	U	330	8.0
208-96-8	Acenaphthylene	330	U	330	8.5
98-86-2	Acetophenone	330	U	330	7.2
120-12-7	Anthracene	330	U	330	31
1912-24-9	Atrazine	130	U	130	15
100-52-7	Benzaldehyde	330	U	330	25
56-55-3	Benzo[a]anthracene	33	U	33	28

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109448-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-353351/1-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x11514.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>03/01/2016 12:43</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>03/07/2016 19:17</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>354522</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	33	U	33	10
205-99-2	Benzo[b]fluoranthene	33	U	33	13
191-24-2	Benzo[g,h,i]perylene	330	U	330	19
207-08-9	Benzo[k]fluoranthene	33	U	33	14
111-91-1	Bis(2-chloroethoxy)methane	330	U	330	10
111-44-4	Bis(2-chloroethyl)ether	33	U	33	7.8
117-81-7	Bis(2-ethylhexyl) phthalate	330	U	330	13
85-68-7	Butyl benzyl phthalate	330	U	330	10
105-60-2	Caprolactam	330	U	330	24
86-74-8	Carbazole	330	U	330	8.2
218-01-9	Chrysene	330	U	330	9.0
53-70-3	Dibenz(a,h)anthracene	33	U	33	17
132-64-9	Dibenzofuran	330	U	330	10
84-66-2	Diethyl phthalate	330	U	330	9.4
131-11-3	Dimethyl phthalate	330	U	330	9.6
84-74-2	Di-n-butyl phthalate	330	U	330	9.9
117-84-0	Di-n-octyl phthalate	330	U	330	17
206-44-0	Fluoranthene	330	U	330	9.8
86-73-7	Fluorene	330	U	330	7.2
118-74-1	Hexachlorobenzene	33	U	33	13
87-68-3	Hexachlorobutadiene	67	U	67	9.3
77-47-4	Hexachlorocyclopentadiene	330	U	330	21
67-72-1	Hexachloroethane	33	U	33	12
193-39-5	Indeno[1,2,3-cd]pyrene	33	U	33	22
78-59-1	Isophorone	130	U	130	7.1
91-20-3	Naphthalene	330	U	330	8.4
98-95-3	Nitrobenzene	33	U	33	10
621-64-7	N-Nitrosodi-n-propylamine	33	U	33	11
86-30-6	N-Nitrosodiphenylamine	330	U	330	30
87-86-5	Pentachlorophenol	270	U	270	40
85-01-8	Phenanthrene	330	U	330	8.8
108-95-2	Phenol	330	U	330	11
129-00-0	Pyrene	330	U	330	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109448-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-353351/1-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x11514.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>03/01/2016 12:43</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>03/07/2016 19:17</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>354522</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	91		10-95
321-60-8	2-Fluorobiphenyl	76		27-84
367-12-4	2-Fluorophenol (Surr)	76		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	82		28-92
4165-62-2	Phenol-d5 (Surr)	80		22-88
1718-51-0	Terphenyl-d14 (Surr)	88		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\11514.D
 Lims ID: MB 460-353351/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 07-Mar-2016 19:17:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038117-007
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 08-Mar-2016 12:02:44 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: szczecha

Date: 08-Mar-2016 11:17:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	2.882	2.847	0.035	96	1519296	50.0	38.0	
\$ 6 Phenol-d5	99	3.764	3.782	-0.018	88	1782687	50.0	40.1	
* 14 1,4-Dichlorobenzene-d4	152	4.117	4.117	0.000	95	1208068	40.0	40.0	
\$ 26 Nitrobenzene-d5	82	4.676	4.688	-0.012	88	1712704	50.0	40.8	
* 38 Naphthalene-d8	136	5.394	5.394	0.000	99	4464127	40.0	40.0	
\$ 51 2-Fluorobiphenyl	172	6.482	6.488	-0.006	98	3578526	50.0	37.9	
* 65 Acenaphthene-d10	164	7.141	7.141	0.000	92	2304625	40.0	40.0	
\$ 80 2,4,6-Tribromophenol	330	7.917	7.929	-0.012	92	456644	50.0	45.7	
* 88 Phenanthrene-d10	188	8.599	8.599	0.000	98	3445705	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.170	10.170	0.000	99	2833788	50.0	44.0	
* 102 Chrysene-d12	240	11.305	11.311	-0.006	99	2068405	40.0	40.0	
* 109 Perylene-d12	264	13.175	13.181	-0.006	99	1418614	40.0	40.0	

Reagents:

SM_ISTD_00102

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160307-38117.b\\x11514.D

Injection Date: 07-Mar-2016 19:17:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: MB 460-353351/1-A

Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul

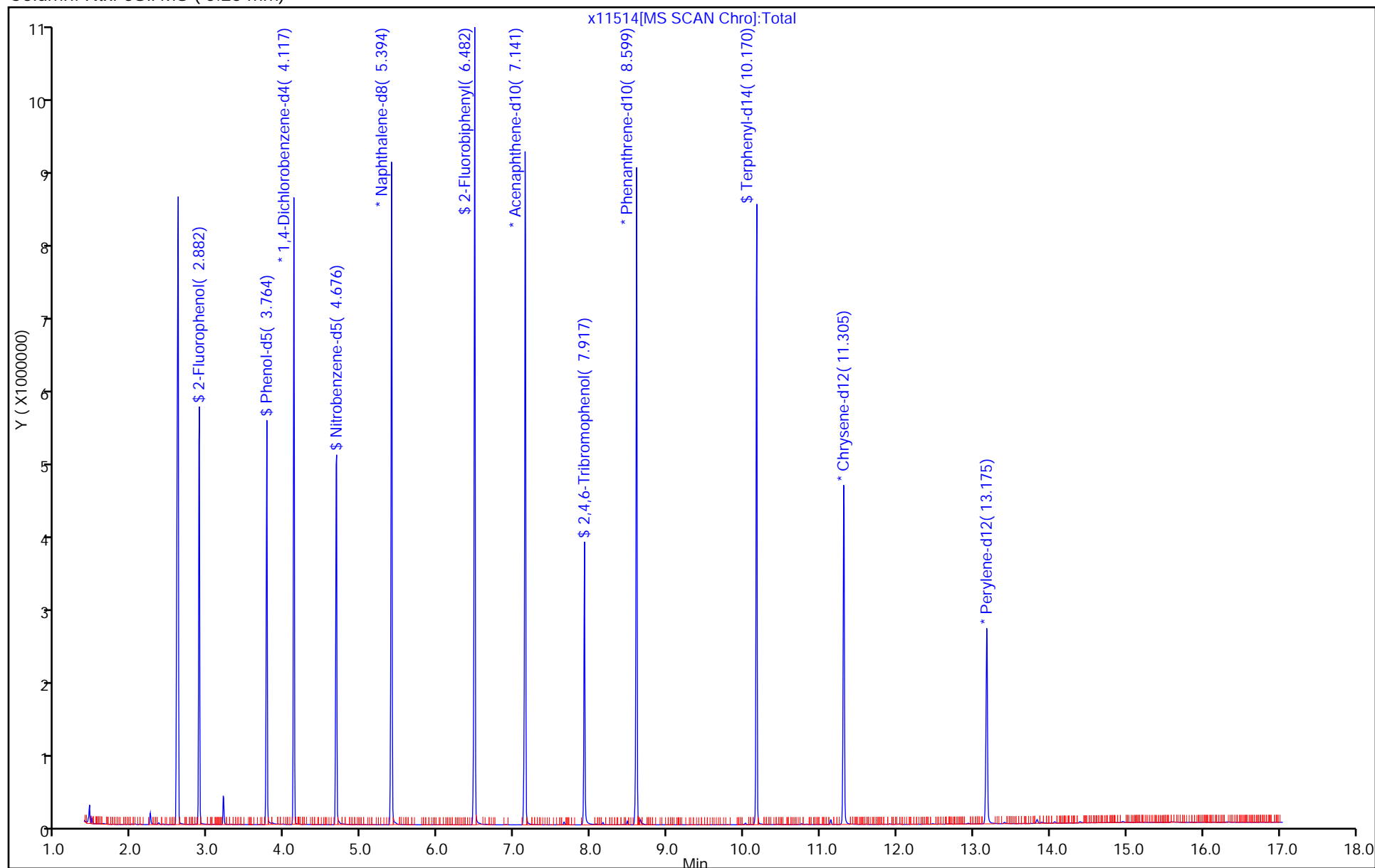
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109448-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 460-353351/2-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x11515.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>03/01/2016 12:43</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>03/07/2016 19:41</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>354522</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2700		330	28
95-94-3	1,2,4,5-Tetrachlorobenzene	2710		330	25
108-60-1	2,2'-oxybis[1-chloropropane]	2590		330	14
58-90-2	2,3,4,6-Tetrachlorophenol	3030		330	31
95-95-4	2,4,5-Trichlorophenol	2580		330	33
88-06-2	2,4,6-Trichlorophenol	2810		130	9.4
120-83-2	2,4-Dichlorophenol	2530		130	7.8
105-67-9	2,4-Dimethylphenol	2570		330	73
51-28-5	2,4-Dinitrophenol	6770		270	250
121-14-2	2,4-Dinitrotoluene	3180		67	13
606-20-2	2,6-Dinitrotoluene	3000		67	18
91-58-7	2-Chloronaphthalene	2680		330	7.5
95-57-8	2-Chlorophenol	2670		330	8.4
91-57-6	2-Methylnaphthalene	2670		330	7.3
95-48-7	2-Methylphenol	2710		330	14
88-74-4	2-Nitroaniline	2860		330	11
88-75-5	2-Nitrophenol	2740		330	11
91-94-1	3,3'-Dichlorobenzidine	1400		130	37
99-09-2	3-Nitroaniline	1650		330	9.8
534-52-1	4,6-Dinitro-2-methylphenol	6530		270	88
101-55-3	4-Bromophenyl phenyl ether	2960		330	10
59-50-7	4-Chloro-3-methylphenol	2800		330	14
106-47-8	4-Chloroaniline	1220		330	8.5
7005-72-3	4-Chlorophenyl phenyl ether	2880		330	9.9
106-44-5	4-Methylphenol	2650		330	9.0
100-01-6	4-Nitroaniline	2790		330	13
100-02-7	4-Nitrophenol	6910		670	160
83-32-9	Acenaphthene	2810		330	8.0
208-96-8	Acenaphthylene	2880		330	8.5
98-86-2	Acetophenone	2780		330	7.2
120-12-7	Anthracene	2950		330	31
56-55-3	Benzo[a]anthracene	2950		33	28
50-32-8	Benzo[a]pyrene	3050		33	10
205-99-2	Benzo[b]fluoranthene	3250		33	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109448-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 460-353351/2-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x11515.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>03/01/2016 12:43</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>03/07/2016 19:41</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>354522</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	2910		330	19
207-08-9	Benzo[k]fluoranthene	2870		33	14
111-91-1	Bis(2-chloroethoxy)methane	2810		330	10
111-44-4	Bis(2-chloroethyl)ether	2800		33	7.8
117-81-7	Bis(2-ethylhexyl) phthalate	3070		330	13
85-68-7	Butyl benzyl phthalate	3110		330	10
86-74-8	Carbazole	3050		330	8.2
218-01-9	Chrysene	3030		330	9.0
53-70-3	Dibenz(a,h)anthracene	3210		33	17
132-64-9	Dibenzofuran	2800		330	10
84-66-2	Diethyl phthalate	3110		330	9.4
131-11-3	Dimethyl phthalate	2990		330	9.6
84-74-2	Di-n-butyl phthalate	3150		330	9.9
117-84-0	Di-n-octyl phthalate	3100		330	17
206-44-0	Fluoranthene	3140		330	9.8
86-73-7	Fluorene	2850		330	7.2
118-74-1	Hexachlorobenzene	3030		33	13
87-68-3	Hexachlorobutadiene	2600		67	9.3
77-47-4	Hexachlorocyclopentadiene	3120		330	21
67-72-1	Hexachloroethane	2550		33	12
193-39-5	Indeno[1,2,3-cd]pyrene	3260		33	22
78-59-1	Isophorone	3000		130	7.1
91-20-3	Naphthalene	2660		330	8.4
98-95-3	Nitrobenzene	2700		33	10
621-64-7	N-Nitrosodi-n-propylamine	2910		33	11
86-30-6	N-Nitrosodiphenylamine	2890		330	30
87-86-5	Pentachlorophenol	6140		270	40
85-01-8	Phenanthrene	2860		330	8.8
108-95-2	Phenol	2550		330	11
129-00-0	Pyrene	2920		330	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109448-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 460-353351/2-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x11515.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>03/01/2016 12:43</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>03/07/2016 19:41</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>354522</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	96	*	10-95
321-60-8	2-Fluorobiphenyl	80		27-84
367-12-4	2-Fluorophenol (Surr)	74		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	79		28-92
4165-62-2	Phenol-d5 (Surr)	77		22-88
1718-51-0	Terphenyl-d14 (Surr)	88		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\11515.D
 Lims ID: LCS 460-353351/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 07-Mar-2016 19:41:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038117-008
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 08-Mar-2016 11:11:21 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: szczecha

Date: 08-Mar-2016 11:17:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.611	1.523	0.088	95	325304	50.0	24.7	
2 N-Nitrosodimethylamine	74	1.817	1.747	0.070	84	701892	50.0	40.8	
3 Pyridine	79	1.841	1.764	0.077	90	1008349	50.0	33.6	
\$ 4 2-Fluorophenol	112	2.876	2.847	0.029	96	1279084	50.0	36.8	
\$ 6 Phenol-d5	99	3.776	3.782	-0.006	93	1491591	50.0	38.6	
7 Phenol	94	3.794	3.794	0.000	97	1562257	50.0	38.3	
8 Aniline	93	3.794	3.800	-0.006	90	1363179	50.0	29.3	
9 Bis(2-chloroethyl)ether	93	3.864	3.870	-0.006	98	1287413	50.0	42.1	
10 Benzonitrile	103	3.894	3.894	0.000	66	2602014	NC	NC	
11 2-Chlorophenol	128	3.917	3.923	-0.006	97	1412467	50.0	40.0	
12 n-Decane	43	3.970	3.970	0.000	87	1095850	50.0	33.7	
13 1,3-Dichlorobenzene	146	4.064	4.070	-0.006	96	1617863	50.0	39.3	
* 14 1,4-Dichlorobenzene-d4	152	4.123	4.117	0.006	95	1049267	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.141	4.141	0.000	94	1603108	50.0	38.9	
16 Benzyl alcohol	108	4.270	4.276	-0.006	94	841373	50.0	44.1	
17 1,2-Dichlorobenzene	146	4.288	4.294	-0.006	95	1512319	50.0	39.2	
18 2-Methylphenol	108	4.388	4.394	-0.006	87	1112070	50.0	40.6	
19 2,2'-oxybis[1-chloropropan	45	4.399	4.405	-0.006	91	1344461	50.0	38.9	
20 N-Methylaniline	106	4.523	4.529	-0.006	92	1994600	NC	NC	
21 Acetophenone	105	4.535	4.541	-0.006	94	1608231	50.0	41.7	
22 N-Nitrosodi-n-propylamine	70	4.541	4.547	-0.006	88	870393	50.0	43.7	
24 4-Methylphenol	108	4.552	4.558	-0.006	93	1134680	50.0	39.7	
23 3 & 4 Methylphenol	108	4.552	4.558	-0.006	97	1134680	50.0	39.7	
25 Hexachloroethane	117	4.623	4.629	-0.006	92	575160	50.0	38.2	
\$ 26 Nitrobenzene-d5	82	4.682	4.688	-0.006	89	1359139	50.0	39.3	
28 Nitrobenzene	77	4.705	4.711	-0.006	90	1784012	50.0	40.5	
27 n,n'-Dimethylaniline	120	4.705	4.711	-0.006	89	2116200	50.0	45.0	
31 Isophorone	82	4.946	4.958	-0.012	98	2253223	50.0	45.0	
32 2-Nitrophenol	139	5.017	5.023	-0.006	92	726285	50.0	41.2	
33 2,4-Dimethylphenol	122	5.082	5.082	0.000	91	1111640	50.0	38.6	
34 Bis(2-chloroethoxy)methane	93	5.170	5.170	0.000	100	1371932	50.0	42.1	
35 Benzoic acid	122	5.235	5.247	-0.012	89	580580	50.0	43.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.270	5.276	-0.006	96	1080929	50.0	38.0	
37 1,2,4-Trichlorobenzene	180	5.346	5.352	-0.006	94	1307910	50.0	38.8	
* 38 Naphthalene-d8	136	5.399	5.394	0.005	99	3678982	40.0	40.0	
39 Naphthalene	128	5.423	5.423	0.000	100	3774245	50.0	39.9	
40 4-Chloroaniline	127	5.482	5.488	-0.006	97	670909	50.0	18.3	
41 Hexachlorobutadiene	225	5.552	5.558	-0.006	96	817736	50.0	39.0	
43 4-Chloro-3-methylphenol	107	5.982	5.982	0.000	96	994829	50.0	42.0	
44 2-Methylnaphthalene	142	6.117	6.117	0.000	85	2518088	50.0	40.0	
45 1-Methylnaphthalene	142	6.211	6.217	-0.006	93	2346210	50.0	43.6	
46 Hexachlorocyclopentadiene	237	6.282	6.282	0.000	97	857394	50.0	46.9	
47 1,2,4,5-Tetrachlorobenzene	216	6.287	6.288	-0.001	98	1313205	50.0	40.7	
48 2-tertbutyl-4-methylphenol	149	6.329	6.329	0.000	91	1855848	50.0	43.5	
49 2,4,6-Trichlorophenol	196	6.405	6.405	0.000	92	782113	50.0	42.2	
50 2,4,5-Trichlorophenol	196	6.440	6.441	-0.001	98	741414	50.0	38.7	
\$ 51 2-Fluorobiphenyl	172	6.487	6.488	-0.001	98	2811914	50.0	40.0	
52 1,1'-Biphenyl	154	6.582	6.588	-0.006	94	2936794	50.0	40.4	
53 2-Chloronaphthalene	162	6.599	6.599	0.000	97	2213733	50.0	40.1	
54 Phenyl ether	170	6.687	6.688	-0.001	84	1679702	50.0	42.8	
56 2-Nitroaniline	65	6.705	6.705	0.000	97	691371	50.0	42.9	
57 1,3-Dimethylnaphthalene	156	6.817	6.817	0.000	92	1947271	50.0	44.5	
58 Dimethyl phthalate	163	6.899	6.899	0.000	99	2231565	50.0	44.9	
59 Coumarin	146	6.911	6.911	0.000	78	735672	50.0	51.0	
60 2,6-Dinitrotoluene	165	6.952	6.952	0.000	95	531519	50.0	45.1	
61 Acenaphthylene	152	7.005	7.011	-0.006	97	3353901	50.0	43.2	
64 3-Nitroaniline	138	7.111	7.117	-0.006	96	281411	50.0	24.8	
* 65 Acenaphthene-d10	164	7.146	7.141	0.005	92	1715664	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.182	7.182	0.000	96	2486408	50.0	44.0	
67 Acenaphthene	154	7.182	7.182	0.000	93	2012075	50.0	42.2	
68 2,4-Dinitrophenol	184	7.223	7.223	0.000	96	550407	100.0	101.6	
69 4-Nitrophenol	65	7.299	7.299	0.000	91	681554	100.0	103.6	
70 2,4-Dinitrotoluene	165	7.346	7.346	0.000	95	638708	50.0	47.7	
71 Dibenzofuran	168	7.352	7.352	0.000	96	2981196	50.0	42.0	
72 2,3,4,6-Tetrachlorophenol	232	7.476	7.476	0.000	95	604162	50.0	45.5	
73 Diethyl phthalate	149	7.587	7.593	-0.006	99	2158643	50.0	46.7	
75 Fluorene	166	7.687	7.688	-0.001	95	2314400	50.0	42.8	
74 4-Chlorophenyl phenyl ethe	204	7.687	7.688	-0.001	80	1191030	50.0	43.3	
76 4-Nitroaniline	138	7.717	7.723	-0.006	87	398596	50.0	41.9	
77 4,6-Dinitro-2-methylphenol	198	7.752	7.758	-0.006	90	716225	100.0	97.9	
78 N-Nitrosodiphenylamine	169	7.805	7.811	-0.006	65	1654404	50.0	43.4	
79 1,2-Diphenylhydrazine	77	7.846	7.846	0.000	96	1932191	50.0	43.6	
\$ 80 2,4,6-Tribromophenol	330	7.923	7.929	-0.006	93	358364	50.0	48.1	
81 4-Bromophenyl phenyl ether	248	8.164	8.164	0.000	94	713591	50.0	44.4	
83 Hexachlorobenzene	284	8.234	8.235	-0.001	96	741716	50.0	45.5	
85 Pentachlorophenol	266	8.429	8.429	-0.001	94	799560	100.0	92.1	
86 Pentachloronitrobenzene	237	8.440	8.440	0.000	89	300191	50.0	51.6	
87 n-Octadecane	57	8.517	8.517	0.000	91	1335710	50.0	41.8	
* 88 Phenanthrene-d10	188	8.599	8.599	0.000	98	2311996	40.0	40.0	
89 Phenanthrene	178	8.623	8.629	-0.006	97	2809583	50.0	42.9	
90 Anthracene	178	8.676	8.676	0.000	99	2913272	50.0	44.3	
91 Carbazole	167	8.834	8.835	-0.001	96	2349423	50.0	45.8	
92 Di-n-butyl phthalate	149	9.181	9.187	-0.006	100	2835999	50.0	47.2	
93 Fluoranthene	202	9.787	9.793	-0.006	99	2657512	50.0	47.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
94 Benzidine	184	9.917	9.923	-0.006	99	437042	50.0	20.4	
95 Pyrene	202	10.011	10.011	0.000	98	2571806	50.0	43.8	
82 Bisphenol-A	213	10.070	10.064	0.006	99	446429	25.0	21.5	
\$ 96 Terphenyl-d14	244	10.170	10.170	0.000	99	1898888	50.0	43.8	
97 Butyl benzyl phthalate	149	10.681	10.681	0.000	96	934196	50.0	46.6	
99 Carbamazepine	193	10.793	10.793	0.000	93	692045	50.0	50.2	
100 3,3'-Dichlorobenzidine	252	11.269	11.276	-0.007	99	278961	50.0	21.0	
101 Benzo[a]anthracene	228	11.299	11.299	0.000	97	1884256	50.0	44.3	
* 102 Chrysene-d12	240	11.311	11.311	0.000	99	1392649	40.0	40.0	
103 Chrysene	228	11.340	11.346	-0.006	99	1703099	50.0	45.4	
104 Bis(2-ethylhexyl) phthalat	149	11.352	11.352	0.000	88	1213355	50.0	46.1	
105 Di-n-octyl phthalate	149	12.187	12.187	0.000	97	1775368	50.0	46.5	
106 Benzo[b]fluoranthene	252	12.669	12.670	-0.001	98	1489938	50.0	48.8	
107 Benzo[k]fluoranthene	252	12.705	12.711	-0.006	98	1416798	50.0	43.1	
108 Benzo[a]pyrene	252	13.105	13.105	0.000	98	1287633	50.0	45.7	
* 109 Perylene-d12	264	13.175	13.181	-0.006	99	1028592	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.634	14.640	-0.006	98	1128937	50.0	48.9	
111 Dibenz(a,h)anthracene	278	14.663	14.669	-0.006	96	1117234	50.0	48.1	
112 Benzo[g,h,i]perylene	276	15.022	15.028	-0.006	97	1093883	50.0	43.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_00102

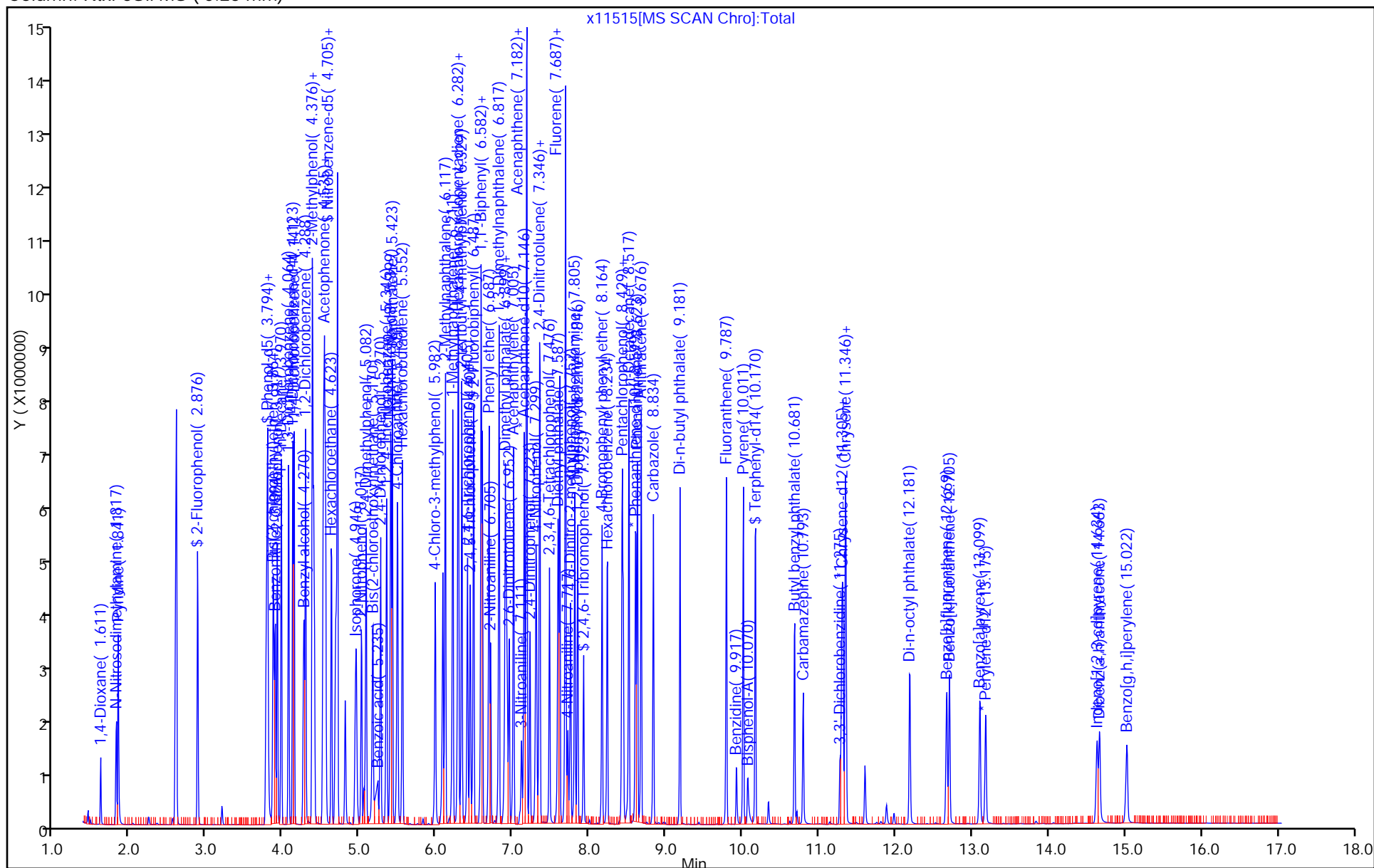
Amount Added: 20.00

Units: uL

Run Reagent

Data File:	\\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\11515.D		
Injection Date:	07-Mar-2016 19:41:30	Instrument ID:	CBNAMS5
Lims ID:	LCS 460-353351/2-A		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_5R	Limit Group:	SV 8270D ICA
Column:	Rtxi-5Sil MS (0.25 mm)		

ALS Bottle#: 8



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-353351/3-A
 Matrix: Solid Lab File ID: x11516.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 03/01/2016 12:43
 Sample wt/vol: 15.0000 (g) Date Analyzed: 03/07/2016 20:05
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 354522 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	6200		130	15
100-52-7	Benzaldehyde	4820		330	25
105-60-2	Caprolactam	6850		330	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	82		10-95
321-60-8	2-Fluorobiphenyl	74		27-84
367-12-4	2-Fluorophenol (Surr)	73		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	79		28-92
4165-62-2	Phenol-d5 (Surr)	74		22-88
1718-51-0	Terphenyl-d14 (Surr)	82		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\11516.D
 Lims ID: LCS 460-353351/3-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 07-Mar-2016 20:05:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0038117-009
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 08-Mar-2016 11:11:21 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: szczech

Date: 08-Mar-2016 11:17:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	2.882	2.847	0.035	96	1488542	50.0	36.6	
5 Benzaldehyde	77	3.694	3.676	0.018	94	2203317	100.0	72.4	
\$ 6 Phenol-d5	99	3.764	3.782	-0.018	88	1665165	50.0	36.8	
* 14 1,4-Dichlorobenzene-d4	152	4.117	4.117	0.000	96	1230371	40.0	40.0	
\$ 26 Nitrobenzene-d5	82	4.676	4.688	-0.012	89	1677054	50.0	39.4	
* 38 Naphthalene-d8	136	5.393	5.394	-0.001	99	4526745	40.0	40.0	
42 Caprolactam	113	5.846	5.817	0.029	93	895995	100.0	102.8	
\$ 51 2-Fluorobiphenyl	172	6.482	6.488	-0.006	98	3484363	50.0	36.8	
* 65 Acenaphthene-d10	164	7.140	7.141	-0.001	92	2309964	40.0	40.0	
\$ 80 2,4,6-Tribromophenol	330	7.917	7.929	-0.012	93	408803	50.0	40.8	
84 Atrazine	200	8.346	8.335	0.011	96	1595683	100.0	93.0	
* 88 Phenanthrene-d10	188	8.599	8.599	0.000	98	3378640	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.170	10.170	0.000	99	2740667	50.0	40.8	
* 102 Chrysene-d12	240	11.311	11.311	0.000	99	2154713	40.0	40.0	
* 109 Perylene-d12	264	13.175	13.181	-0.006	100	1531858	40.0	40.0	

Reagents:

SM_ISTD_00102 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160307-38117.b\\x11516.D

Injection Date: 07-Mar-2016 20:05:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: LCS 460-353351/3-A

Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul

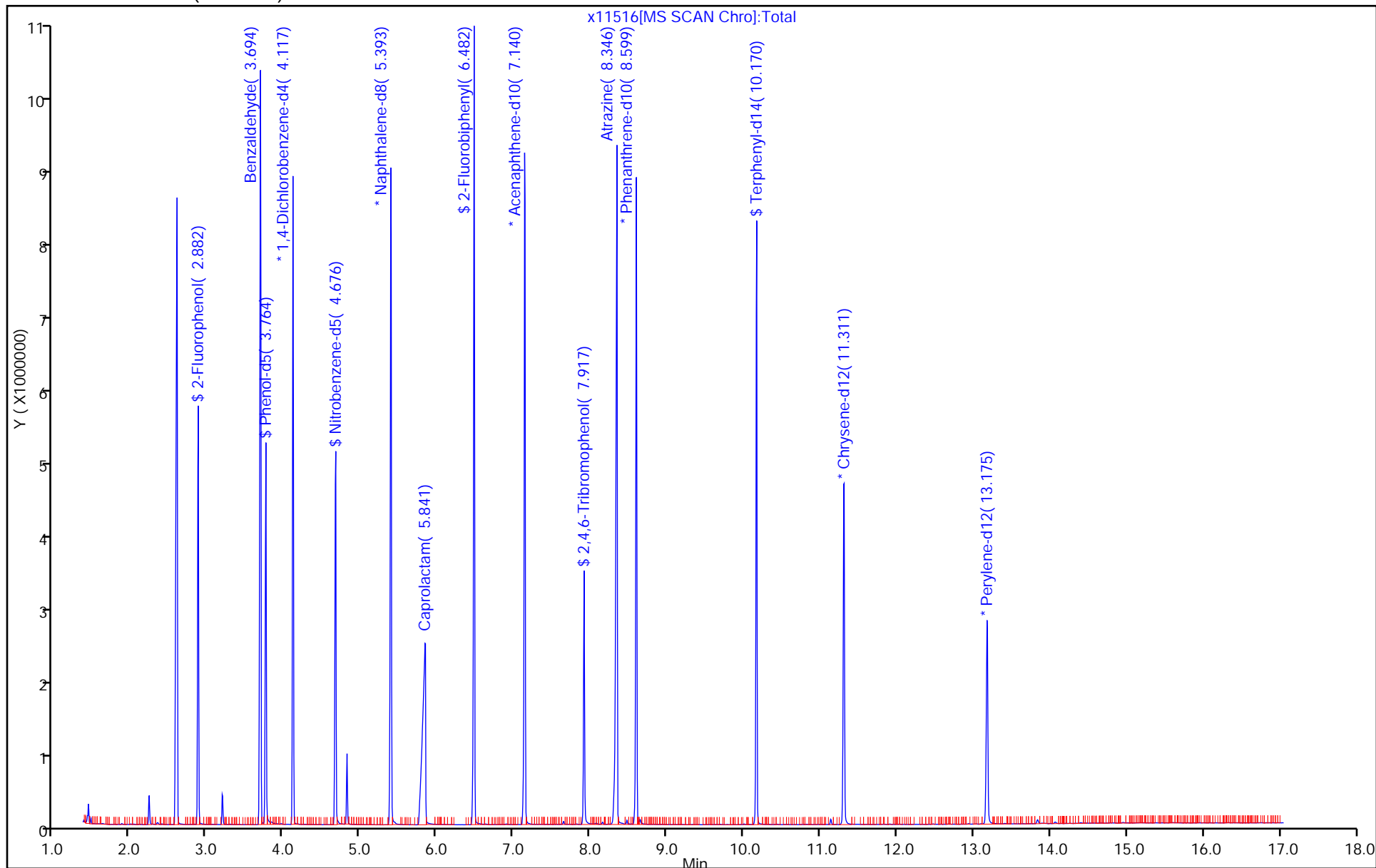
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109448-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-109341-A-4-C MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x11532.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>02/24/2016 11:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>03/01/2016 12:43</u>
Sample wt/vol: <u>15.0321(g)</u>	Date Analyzed: <u>03/08/2016 02:21</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>5</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>19.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>354522</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	3070		2000	170
95-94-3	1,2,4,5-Tetrachlorobenzene	2870		2000	150
108-60-1	2,2'-oxybis[1-chloropropane]	2810		2000	84
58-90-2	2,3,4,6-Tetrachlorophenol	1990	J	2000	190
95-95-4	2,4,5-Trichlorophenol	2170		2000	200
88-06-2	2,4,6-Trichlorophenol	2480		820	58
120-83-2	2,4-Dichlorophenol	2310		820	48
105-67-9	2,4-Dimethylphenol	2200		2000	450
51-28-5	2,4-Dinitrophenol	1600	U	1600	1500
121-14-2	2,4-Dinitrotoluene	3140		420	81
606-20-2	2,6-Dinitrotoluene	3650		420	110
91-58-7	2-Chloronaphthalene	3030		2000	46
95-57-8	2-Chlorophenol	2530		2000	52
91-57-6	2-Methylnaphthalene	2710		2000	45
95-48-7	2-Methylphenol	2390		2000	89
88-74-4	2-Nitroaniline	3410		2000	68
88-75-5	2-Nitrophenol	2330		2000	69
91-94-1	3,3'-Dichlorobenzidine	1850		820	230
99-09-2	3-Nitroaniline	2630		2000	61
534-52-1	4,6-Dinitro-2-methylphenol	2180		1600	550
101-55-3	4-Bromophenyl phenyl ether	2730		2000	64
59-50-7	4-Chloro-3-methylphenol	2380		2000	88
106-47-8	4-Chloroaniline	1120	J	2000	53
7005-72-3	4-Chlorophenyl phenyl ether	2820		2000	61
106-44-5	4-Methylphenol	2450		2000	56
100-01-6	4-Nitroaniline	2330		2000	77
100-02-7	4-Nitrophenol	4610		4200	990
83-32-9	Acenaphthene	4410		2000	50
208-96-8	Acenaphthylene	3160		2000	53
98-86-2	Acetophenone	2890		2000	45
120-12-7	Anthracene	5010		2000	190
1912-24-9	Atrazine	7500		820	91
100-52-7	Benzaldehyde	4870		2000	160
56-55-3	Benzo[a]anthracene	12200		200	170

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109448-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-109341-A-4-C MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x11532.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>02/24/2016 11:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>03/01/2016 12:43</u>
Sample wt/vol: <u>15.0321(g)</u>	Date Analyzed: <u>03/08/2016 02:21</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>5</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>19.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>354522</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	13500		200	62
205-99-2	Benzo[b]fluoranthene	15800		200	80
191-24-2	Benzo[g,h,i]perylene	14700		2000	120
207-08-9	Benzo[k]fluoranthene	7310		200	89
111-91-1	Bis(2-chloroethoxy)methane	3030		2000	64
111-44-4	Bis(2-chloroethyl)ether	2720		200	48
117-81-7	Bis(2-ethylhexyl) phthalate	3170		2000	80
85-68-7	Butyl benzyl phthalate	2900		2000	63
105-60-2	Caprolactam	4150		2000	150
86-74-8	Carbazole	4350		2000	51
218-01-9	Chrysene	15600		2000	56
53-70-3	Dibenz(a,h)anthracene	6680		200	110
132-64-9	Dibenzofuran	3310		2000	62
84-66-2	Diethyl phthalate	3500		2000	58
131-11-3	Dimethyl phthalate	3620		2000	60
84-74-2	Di-n-butyl phthalate	3370		2000	61
117-84-0	Di-n-octyl phthalate	2110		2000	100
206-44-0	Fluoranthene	29400		2000	61
86-73-7	Fluorene	3880		2000	45
118-74-1	Hexachlorobenzene	2760		200	83
87-68-3	Hexachlorobutadiene	2650		420	58
77-47-4	Hexachlorocyclopentadiene	287	J	2000	130
67-72-1	Hexachloroethane	2480		200	75
193-39-5	Indeno[1,2,3-cd]pyrene	16400		200	140
78-59-1	Isophorone	3170		820	44
91-20-3	Naphthalene	2780		2000	52
98-95-3	Nitrobenzene	2610		200	64
621-64-7	N-Nitrosodi-n-propylamine	2810		200	69
86-30-6	N-Nitrosodiphenylamine	3430		2000	190
87-86-5	Pentachlorophenol	5380		1600	250
85-01-8	Phenanthrene	15600		2000	55
108-95-2	Phenol	2320		2000	67
129-00-0	Pyrene	20100		2000	93

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109448-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-109341-A-4-C MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x11532.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>02/24/2016 11:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>03/01/2016 12:43</u>
Sample wt/vol: <u>15.0321(g)</u>	Date Analyzed: <u>03/08/2016 02:21</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>5</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>19.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>354522</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	57	*	10-95
321-60-8	2-Fluorobiphenyl	72	*	27-84
367-12-4	2-Fluorophenol (Surr)	59		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	66		28-92
4165-62-2	Phenol-d5 (Surr)	59		22-88
1718-51-0	Terphenyl-d14 (Surr)	59		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\11532.D

Lims ID: 460-109341-A-4-C MS

Client ID:

Sample Type: MS

Inject. Date: 08-Mar-2016 02:21:30

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Sample Info: 460-0038117-025

Operator ID:

Instrument ID:

CBNAMS5

Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\8270_5R.m

Limit Group: SV 8270D ICAL

Last Update: 08-Mar-2016 11:42:44

Calib Date:

05-Mar-2016 19:12:30

Integrator: RTE

ID Type:

Deconvolution ID

Quant Method: Internal Standard

Quant By:

Initial Calibration

Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D

Column 1 : Rtxi-5Sil MS (0.25 mm)

Det: MS SCAN

Process Host: XAWRK012

First Level Reviewer: szczech

Date:

08-Mar-2016 11:42:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.535	1.523	0.012	97	33174	10.0	4.30	
2 N-Nitrosodimethylamine	74	1.753	1.747	0.006	80	61495	10.0	6.10	
3 Pyridine	79	1.788	1.764	0.024	87	40790	10.0	2.32	
\$ 4 2-Fluorophenol	112	2.858	2.847	0.011	96	119452	10.0	5.87	
5 Benzaldehyde	77	3.682	3.676	0.006	92	179398	20.0	11.8	
\$ 6 Phenol-d5	99	3.758	3.782	-0.024	87	133240	10.0	5.89	
7 Phenol	94	3.770	3.794	-0.024	99	134292	10.0	5.61	
8 Aniline	93	3.788	3.788	-0.012	89	47948	10.0	1.76	
9 Bis(2-chloroethyl)ether	93	3.852	3.870	-0.018	98	118044	10.0	6.58	
10 Benzonitrile	103	3.864	3.894	-0.030	66	236631	NC	NC	
11 2-Chlorophenol	128	3.911	3.923	-0.012	97	126712	10.0	6.12	
12 n-Decane	43	3.970	3.970	0.000	88	119054	10.0	6.24	
13 1,3-Dichlorobenzene	146	4.064	4.070	-0.006	96	151565	10.0	6.28	
* 14 1,4-Dichlorobenzene-d4	152	4.117	4.117	0.000	96	615042	8.00	40.0	
15 1,4-Dichlorobenzene	146	4.135	4.141	-0.006	95	151017	10.0	6.25	
16 Benzyl alcohol	108	4.258	4.276	-0.018	93	66524	10.0	5.95	
17 1,2-Dichlorobenzene	146	4.288	4.294	-0.006	95	141692	10.0	6.27	
18 2-Methylphenol	108	4.382	4.394	-0.012	92	93073	10.0	5.79	
19 2,2'-oxybis[1-chloropropan	45	4.399	4.399	-0.006	90	137684	10.0	6.80	
20 N-Methylaniline	106	4.517	4.529	-0.012	90	117722	NC	NC	
21 Acetophenone	105	4.523	4.541	-0.018	93	158200	10.0	7.00	
22 N-Nitrosodi-n-propylamine	70	4.529	4.547	-0.018	91	79325	10.0	6.80	
24 4-Methylphenol	108	4.541	4.558	-0.017	97	99431	10.0	5.94	
23 3 & 4 Methylphenol	108	4.541	4.558	-0.017	95	99431	10.0	5.94	
25 Hexachloroethane	117	4.629	4.629	0.000	92	52891	10.0	5.99	
\$ 26 Nitrobenzene-d5	82	4.676	4.688	-0.012	89	117756	10.0	6.57	
28 Nitrobenzene	77	4.694	4.711	-0.017	95	144328	10.0	6.31	
27 n,n'-Dimethylaniline	120	4.699	4.711	-0.012	95	139324	10.0	5.06	
31 Isophorone	82	4.935	4.958	-0.023	98	198898	10.0	7.66	
29 2-Toluidine	107	4.988	4.968	0.020	1	59		NC	
32 2-Nitrophenol	139	5.017	5.023	-0.006	92	51524	10.0	5.63	
33 2,4-Dimethylphenol	122	5.070	5.082	-0.012	92	79424	10.0	5.32	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.158	5.170	-0.012	100	123744	10.0	7.33	
35 Benzoic acid	122	5.158	5.158	-0.089	33	6680	10.0	3.75	
36 2,4-Dichlorophenol	162	5.264	5.276	-0.012	96	82490	10.0	5.58	
37 1,2,4-Trichlorobenzene	180	5.346	5.352	-0.006	95	111095	10.0	6.36	
* 38 Naphthalene-d8	136	5.399	5.394	0.005	99	1908452	8.00	40.0	
39 Naphthalene	128	5.417	5.423	-0.006	100	330756	10.0	6.74	
40 4-Chloroaniline	127	5.482	5.488	-0.006	97	51267	10.0	2.70	
41 Hexachlorobutadiene	225	5.552	5.558	-0.006	95	69589	10.0	6.40	
42 Caprolactam	113	5.793	5.817	-0.024	92	36909	20.0	10.0	
43 4-Chloro-3-methylphenol	107	5.982	5.982	0.000	95	70794	10.0	5.76	
44 2-Methylnaphthalene	142	6.111	6.117	-0.006	87	213809	10.0	6.55	
45 1-Methylnaphthalene	142	6.211	6.217	-0.006	93	198048	10.0	7.09	
46 Hexachlorocyclopentadiene	237	6.276	6.282	-0.006	96	5392	10.0	0.6940	
47 1,2,4,5-Tetrachlorobenzene	216	6.282	6.288	-0.006	98	95269	10.0	6.96	
48 2-tertbutyl-4-methylphenol	149	6.329	6.329	0.000	92	126794	10.0	5.73	
49 2,4,6-Trichlorophenol	196	6.399	6.405	-0.006	91	47181	10.0	5.99	
50 2,4,5-Trichlorophenol	196	6.441	6.441	-0.001	97	42668	10.0	5.24	
\$ 51 2-Fluorobiphenyl	172	6.482	6.488	-0.006	98	215511	10.0	7.22	
52 1,1'-Biphenyl	154	6.576	6.588	-0.012	95	228940	10.0	7.42	
53 2-Chloronaphthalene	162	6.593	6.599	-0.006	98	171947	10.0	7.34	
54 Phenyl ether	170	6.682	6.688	-0.006	83	128130	10.0	7.69	
56 2-Nitroaniline	65	6.699	6.705	-0.006	98	56432	10.0	8.25	
57 1,3-Dimethylnaphthalene	156	6.811	6.817	-0.006	93	173939	10.0	9.36	
58 Dimethyl phthalate	163	6.882	6.899	-0.017	99	184882	10.0	8.76	
59 Coumarin	146	6.899	6.911	-0.012	80	58271	10.0	7.78	
60 2,6-Dinitrotoluene	165	6.935	6.952	-0.017	96	44180	10.0	8.82	
61 Acenaphthylene	152	6.999	7.011	-0.012	98	251929	10.0	7.63	
64 3-Nitroaniline	138	7.105	7.117	-0.012	94	30702	10.0	6.37	
* 65 Acenaphthene-d10	164	7.140	7.141	-0.001	93	728522	8.00	40.0	S
66 3,5-di-tert-butyl-4-hydrox	205	7.176	7.182	-0.006	63	26252	10.0	1.09	
67 Acenaphthene	154	7.176	7.182	-0.006	93	216063	10.0	10.7	
69 4-Nitrophenol	65	7.293	7.299	-0.006	86	31182	20.0	11.2	
70 2,4-Dinitrotoluene	165	7.340	7.346	-0.006	94	43153	10.0	7.59	
71 Dibenzofuran	168	7.346	7.352	-0.006	96	241629	10.0	8.01	
72 2,3,4,6-Tetrachlorophenol	232	7.476	7.476	0.000	91	27146	10.0	4.82	
73 Diethyl phthalate	149	7.576	7.593	-0.017	99	166369	10.0	8.47	
75 Fluorene	166	7.682	7.688	-0.006	96	215792	10.0	9.39	
74 4-Chlorophenyl phenyl ethe	204	7.682	7.688	-0.006	87	79804	10.0	6.83	
76 4-Nitroaniline	138	7.699	7.723	-0.024	90	22764	10.0	5.64	
77 4,6-Dinitro-2-methylphenol	198	7.740	7.758	-0.018	75	7558	20.0	5.28	
78 N-Nitrosodiphenylamine	169	7.799	7.811	-0.012	65	122605	10.0	8.31	
79 1,2-Diphenylhydrazine	77	7.840	7.846	-0.006	92	128162	10.0	7.47	
\$ 80 2,4,6-Tribromophenol	330	7.917	7.929	-0.012	89	17903	10.0	5.66	
81 4-Bromophenyl phenyl ether	248	8.164	8.164	0.000	92	40991	10.0	6.60	
83 Hexachlorobenzene	284	8.229	8.235	-0.006	94	42115	10.0	6.68	
84 Atrazine	200	8.329	8.335	-0.006	96	82507	20.0	18.2	
63 2-Naphthylamine	143	8.440	8.385	0.055	44	7143		NC	
62 1-Naphthylamine	143	8.382	8.385	-0.003	46	2944		NC	
85 Pentachlorophenol	266	8.429	8.429	0.000	87	33324	20.0	13.0	M
86 Pentachloronitrobenzene	237	8.440	8.440	0.000	84	12955	10.0	5.75	
87 n-Octadecane	57	8.546	8.517	0.029	91	1171191	10.0	94.7	
* 88 Phenanthrene-d10	188	8.599	8.599	0.000	98	894466	8.00	40.0	S

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
89 Phenanthrene	178	8.623	8.629	-0.006	96	956816	10.0	37.8	
90 Anthracene	178	8.676	8.676	0.000	99	308165	10.0	12.1	
91 Carbazole	167	8.834	8.835	-0.001	97	209043	10.0	10.5	
92 Di-n-butyl phthalate	149	9.182	9.187	-0.005	99	189239	10.0	8.14	
93 Fluoranthene	202	9.793	9.793	0.000	99	1550932	10.0	71.2	
95 Pyrene	202	10.011	10.011	0.000	98	1278448	10.0	48.5	
82 Bisphenol-A	213	10.076	10.064	0.012	89	36853	5.00	3.96	
\$ 96 Terphenyl-d14	244	10.164	10.170	-0.006	98	114846	10.0	5.90	
97 Butyl benzyl phthalate	149	10.676	10.681	-0.005	98	63203	10.0	7.02	
99 Carbamazepine	193	10.787	10.793	-0.006	93	46501	10.0	7.51	
100 3,3'-Dichlorobenzidine	252	11.270	11.276	-0.006	97	26655	10.0	4.48	
101 Benzo[a]anthracene	228	11.299	11.299	0.000	97	562434	10.0	29.5	
* 102 Chrysene-d12	240	11.311	11.311	0.000	99	624918	8.00	40.0	
103 Chrysene	228	11.340	11.346	-0.006	99	636465	10.0	37.8	
104 Bis(2-ethylhexyl) phthalat	149	11.346	11.352	-0.006	90	90741	10.0	7.67	
105 Di-n-octyl phthalate	149	12.181	12.187	-0.006	96	142780	10.0	5.11	
106 Benzo[b]fluoranthene	252	12.664	12.670	-0.006	98	852790	10.0	38.1	
107 Benzo[k]fluoranthene	252	12.699	12.711	-0.012	98	425517	10.0	17.7	
108 Benzo[a]pyrene	252	13.099	13.105	-0.006	99	672453	10.0	32.6	
* 109 Perylene-d12	264	13.181	13.181	0.000	100	752908	8.00	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.634	14.640	-0.006	98	670969	10.0	39.7	
111 Dibenz(a,h)anthracene	278	14.658	14.669	-0.011	96	274606	10.0	16.2	
112 Benzo[g,h,i]perylene	276	15.022	15.028	-0.006	97	653537	10.0	35.6	
S 119 Total Cresols	1				0			11.7	
126 4,4'-DDD	235	7.293	7.293	0.000	54	104		NR	7
127 4,4'-DDT	235	7.640	7.645	-0.005	62	124		NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

SM_ISTD_00102

Amount Added: 20.00

Units: uL

Run Reagent

Operator ID:

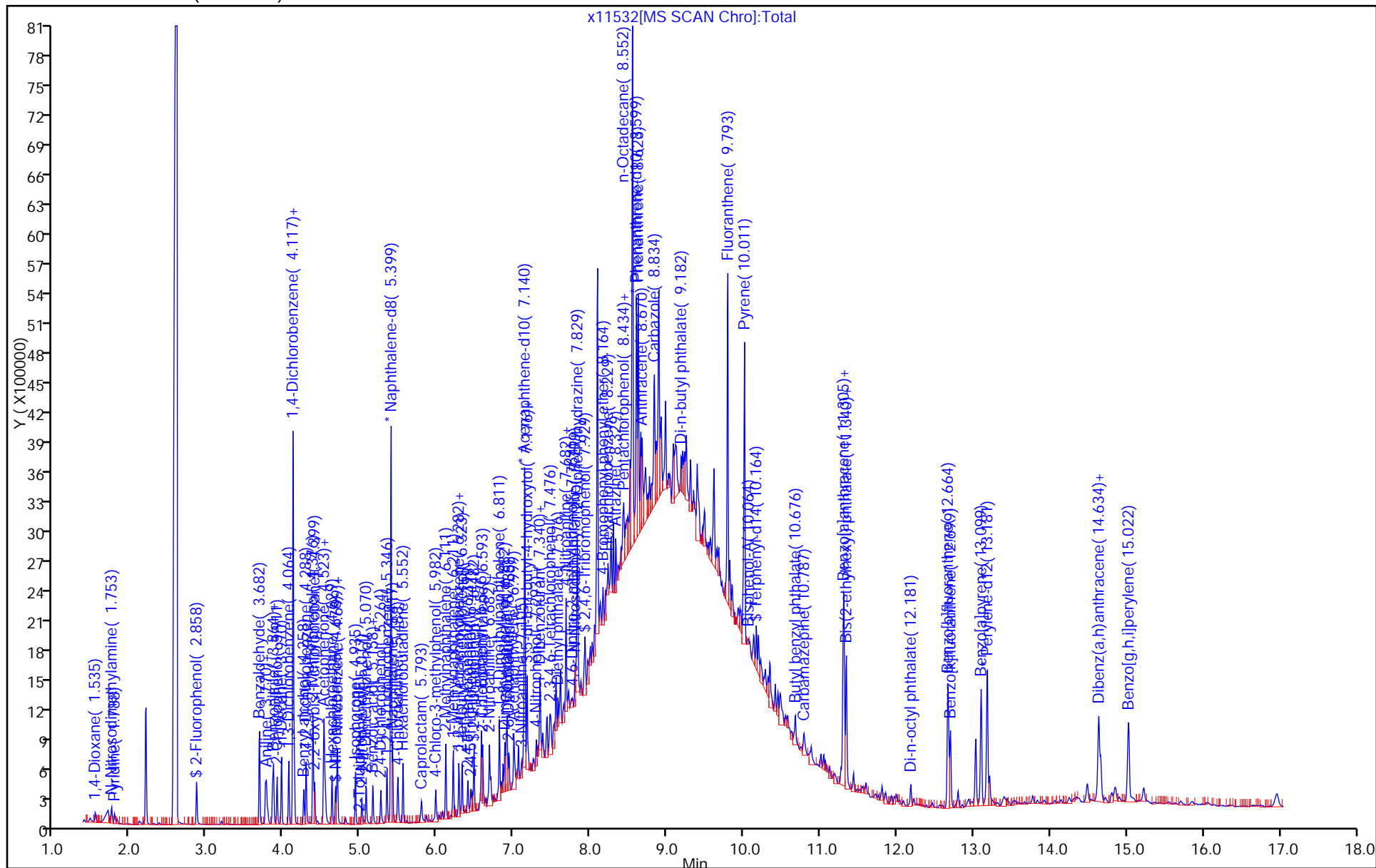
Worklist Smp#: 25

Client ID:

ALS Bottle#: 25

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\11532.D

Injection Date: 08-Mar-2016 02:21:30

Instrument ID: CBNAMS5

Lims ID: 460-109341-A-4-C MS

Client ID:

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_5R

Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

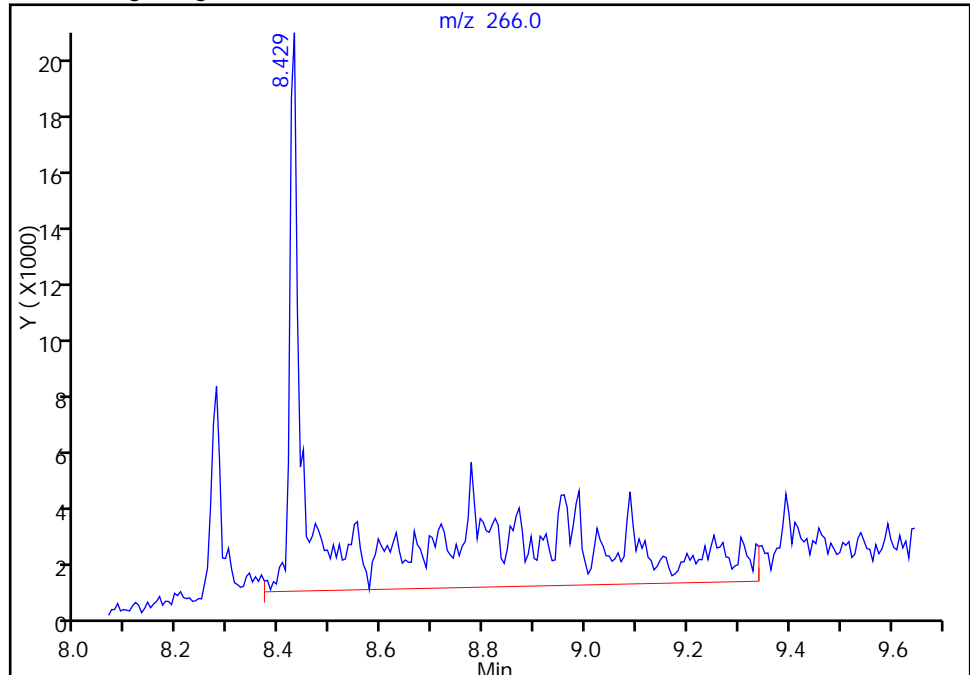
Detector

MS SCAN

85 Pentachlorophenol, CAS: 87-86-5

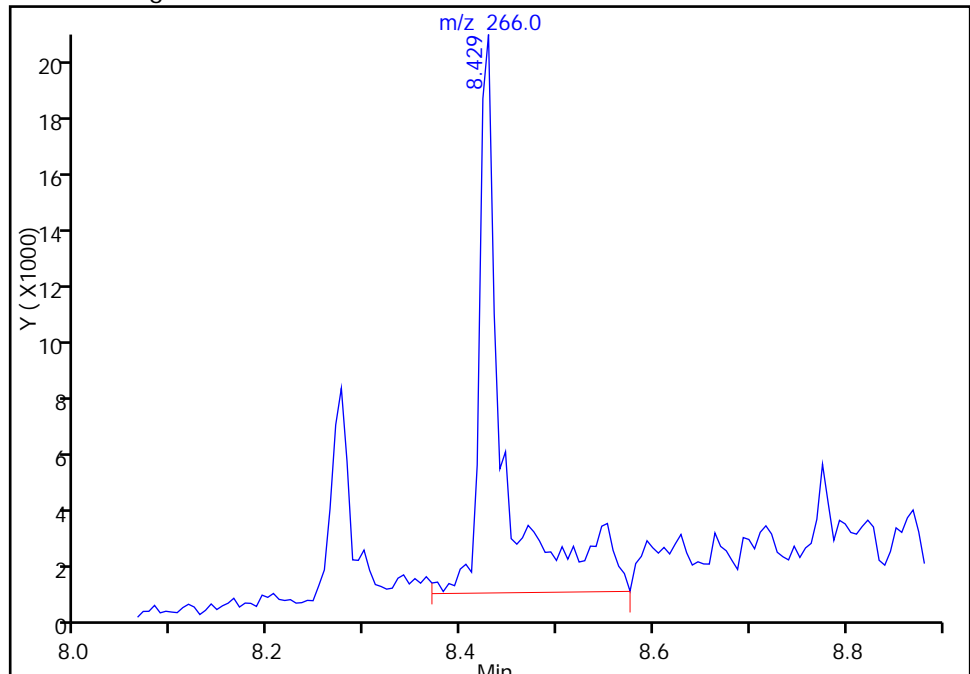
RT: 8.43
Area: 96024
Amount: 32.544372
Amount Units: ug/ml

Processing Integration Results



RT: 8.43
Area: 33324
Amount: 13.028071
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 08-Mar-2016 11:42:44

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109448-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-109341-A-4-D MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x11533.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>02/24/2016 11:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>03/01/2016 12:43</u>
Sample wt/vol: <u>15.0265(g)</u>	Date Analyzed: <u>03/08/2016 02:45</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>5</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>19.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>354522</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	3350		2000	170
95-94-3	1,2,4,5-Tetrachlorobenzene	3080		2000	150
108-60-1	2,2'-oxybis[1-chloropropane]	3030		2000	84
58-90-2	2,3,4,6-Tetrachlorophenol	2200		2000	190
95-95-4	2,4,5-Trichlorophenol	2590		2000	200
88-06-2	2,4,6-Trichlorophenol	2780		820	58
120-83-2	2,4-Dichlorophenol	2670		820	48
105-67-9	2,4-Dimethylphenol	2650		2000	450
51-28-5	2,4-Dinitrophenol	1600	U	1600	1600
121-14-2	2,4-Dinitrotoluene	3550		420	81
606-20-2	2,6-Dinitrotoluene	4320		420	110
91-58-7	2-Chloronaphthalene	3240		2000	47
95-57-8	2-Chlorophenol	2750		2000	52
91-57-6	2-Methylnaphthalene	3070		2000	45
95-48-7	2-Methylphenol	2770		2000	89
88-74-4	2-Nitroaniline	3620		2000	68
88-75-5	2-Nitrophenol	2640		2000	69
91-94-1	3,3'-Dichlorobenzidine	2130		820	230
99-09-2	3-Nitroaniline	3380		2000	61
534-52-1	4,6-Dinitro-2-methylphenol	2120		1600	550
101-55-3	4-Bromophenyl phenyl ether	3200		2000	64
59-50-7	4-Chloro-3-methylphenol	2820		2000	88
106-47-8	4-Chloroaniline	1240	J	2000	53
7005-72-3	4-Chlorophenyl phenyl ether	3240		2000	61
106-44-5	4-Methylphenol	2840		2000	56
100-01-6	4-Nitroaniline	2380		2000	78
100-02-7	4-Nitrophenol	4970		4200	990
83-32-9	Acenaphthene	4400		2000	50
208-96-8	Acenaphthylene	3500		2000	53
98-86-2	Acetophenone	3150		2000	45
120-12-7	Anthracene	4930		2000	190
1912-24-9	Atrazine	8900		820	91
100-52-7	Benzaldehyde	4810		2000	160
56-55-3	Benzo[a]anthracene	11300		200	170

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109448-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-109341-A-4-D MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x11533.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>02/24/2016 11:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>03/01/2016 12:43</u>
Sample wt/vol: <u>15.0265(g)</u>	Date Analyzed: <u>03/08/2016 02:45</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>5</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>19.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>354522</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	11700		200	62
205-99-2	Benzo[b]fluoranthene	13400		200	80
191-24-2	Benzo[g,h,i]perylene	12800		2000	120
207-08-9	Benzo[k]fluoranthene	6750		200	89
111-91-1	Bis(2-chloroethoxy)methane	3380		2000	64
111-44-4	Bis(2-chloroethyl)ether	2920		200	48
117-81-7	Bis(2-ethylhexyl) phthalate	3410		2000	80
85-68-7	Butyl benzyl phthalate	3190		2000	63
105-60-2	Caprolactam	4510		2000	150
86-74-8	Carbazole	4630		2000	51
218-01-9	Chrysene	13300		2000	56
53-70-3	Dibenz(a,h)anthracene	6660		200	110
132-64-9	Dibenzofuran	3480		2000	62
84-66-2	Diethyl phthalate	3810		2000	58
131-11-3	Dimethyl phthalate	3960		2000	60
84-74-2	Di-n-butyl phthalate	3790		2000	61
117-84-0	Di-n-octyl phthalate	2190		2000	100
206-44-0	Fluoranthene	24600		2000	61
86-73-7	Fluorene	4020		2000	45
118-74-1	Hexachlorobenzene	3110		200	83
87-68-3	Hexachlorobutadiene	3050		420	58
77-47-4	Hexachlorocyclopentadiene	192	J	2000	130
67-72-1	Hexachloroethane	2570		200	75
193-39-5	Indeno[1,2,3-cd]pyrene	14600		200	140
78-59-1	Isophorone	3480		820	44
91-20-3	Naphthalene	3120		2000	52
98-95-3	Nitrobenzene	2990		200	64
621-64-7	N-Nitrosodi-n-propylamine	3130		200	69
86-30-6	N-Nitrosodiphenylamine	3970		2000	190
87-86-5	Pentachlorophenol	5040		1600	250
85-01-8	Phenanthrene	13400		2000	55
108-95-2	Phenol	2510		2000	67
129-00-0	Pyrene	16600		2000	93

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-109448-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-109341-A-4-D MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x11533.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>02/24/2016 11:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>03/01/2016 12:43</u>
Sample wt/vol: <u>15.0265(g)</u>	Date Analyzed: <u>03/08/2016 02:45</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>5</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>19.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>354522</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	59		10-95
321-60-8	2-Fluorobiphenyl	79		27-84
367-12-4	2-Fluorophenol (Surr)	63		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	74		28-92
4165-62-2	Phenol-d5 (Surr)	62		22-88
1718-51-0	Terphenyl-d14 (Surr)	65		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\11533.D
 Lims ID: 460-109341-A-4-D MSD
 Client ID:
 Sample Type: MSD
 Inject. Date: 08-Mar-2016 02:45:30 ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 5.0000
 Sample Info: 460-0038117-026
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 08-Mar-2016 11:45:36 Calib Date: 05-Mar-2016 19:12:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160305-38060.b\11422.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: szczech

Date: 08-Mar-2016 11:46:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.535	1.523	0.012	99	36851	10.0	4.32	
2 N-Nitrosodimethylamine	74	1.747	1.747	0.000	83	72811	10.0	6.54	
3 Pyridine	79	1.788	1.764	0.024	87	36980	10.0	1.90	
\$ 4 2-Fluorophenol	112	2.864	2.847	0.017	96	141692	10.0	6.30	
5 Benzaldehyde	77	3.682	3.676	0.006	92	195664	20.0	11.6	
\$ 6 Phenol-d5	99	3.758	3.782	-0.024	87	154681	10.0	6.19	
7 Phenol	94	3.770	3.794	-0.024	98	160698	10.0	6.08	
8 Aniline	93	3.788	3.800	-0.012	90	56713	10.0	1.88	
9 Bis(2-chloroethyl)ether	93	3.852	3.870	-0.018	99	139850	10.0	7.06	
10 Benzonitrile	103	3.864	3.894	-0.030	66	278614	NC	NC	
11 2-Chlorophenol	128	3.911	3.923	-0.012	97	152065	10.0	6.65	
12 n-Decane	43	3.970	3.970	0.000	88	136477	10.0	6.48	
13 1,3-Dichlorobenzene	146	4.064	4.070	-0.006	96	178425	10.0	6.69	
* 14 1,4-Dichlorobenzene-d4	152	4.117	4.117	0.000	96	679449	8.00	40.0	
15 1,4-Dichlorobenzene	146	4.135	4.141	-0.006	96	180806	10.0	6.77	
16 Benzyl alcohol	108	4.258	4.276	-0.018	94	81490	10.0	6.60	
17 1,2-Dichlorobenzene	146	4.288	4.294	-0.006	96	170262	10.0	6.82	
18 2-Methylphenol	108	4.382	4.394	-0.012	90	118993	10.0	6.71	
19 2,2'-oxybis[1-chloropropan	45	4.400	4.405	-0.005	91	164236	10.0	7.34	
20 N-Methylaniline	106	4.517	4.529	-0.012	85	141926	NC	NC	
21 Acetophenone	105	4.523	4.541	-0.018	93	190592	10.0	7.63	
22 N-Nitrosodi-n-propylamine	70	4.529	4.547	-0.018	91	97683	10.0	7.58	
24 4-Methylphenol	108	4.541	4.558	-0.017	95	127171	10.0	6.87	
23 3 & 4 Methylphenol	108	4.541	4.558	-0.017	97	127171	10.0	6.87	
25 Hexachloroethane	117	4.629	4.629	0.000	91	60567	10.0	6.21	
\$ 26 Nitrobenzene-d5	82	4.676	4.688	-0.012	88	142610	10.0	7.43	
28 Nitrobenzene	77	4.694	4.711	-0.017	95	176758	10.0	7.22	
27 n,n'-Dimethylaniline	120	4.699	4.711	-0.012	93	173588	10.0	5.70	
31 Isophorone	82	4.935	4.958	-0.023	99	234228	10.0	8.42	
29 2-Toluidine	107	4.970	4.968	0.002	1	66		NC	
32 2-Nitrophenol	139	5.017	5.023	-0.006	94	62628	10.0	6.39	
33 2,4-Dimethylphenol	122	5.070	5.082	-0.012	92	102630	10.0	6.42	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.158	5.170	-0.012	100	147610	10.0	8.16	
35 Benzoic acid	122	5.164	5.247	-0.083	31	7337	10.0	3.77	
36 2,4-Dichlorophenol	162	5.264	5.276	-0.012	96	102101	10.0	6.45	
37 1,2,4-Trichlorobenzene	180	5.346	5.352	-0.006	94	140100	10.0	7.49	
* 38 Naphthalene-d8	136	5.399	5.394	0.005	99	2043448	8.00	40.0	
39 Naphthalene	128	5.417	5.423	-0.006	100	396642	10.0	7.55	
40 4-Chloroaniline	127	5.482	5.488	-0.006	97	61193	10.0	3.01	
41 Hexachlorobutadiene	225	5.552	5.558	-0.006	96	85807	10.0	7.38	
42 Caprolactam	113	5.794	5.817	-0.023	93	42924	20.0	10.9	
43 4-Chloro-3-methylphenol	107	5.982	5.982	0.000	95	89757	10.0	6.82	
44 2-Methylnaphthalene	142	6.111	6.117	-0.006	86	259292	10.0	7.41	
45 1-Methylnaphthalene	142	6.211	6.217	-0.006	93	243056	10.0	8.13	
46 Hexachlorocyclopentadiene	237	6.276	6.282	-0.006	94	4128	10.0	0.4634	
47 1,2,4,5-Tetrachlorobenzene	216	6.282	6.288	-0.006	98	116876	10.0	7.44	
48 2-tertbutyl-4-methylphenol	149	6.323	6.329	-0.006	92	165637	10.0	6.99	
49 2,4,6-Trichlorophenol	196	6.399	6.405	-0.006	92	60777	10.0	6.73	
50 2,4,5-Trichlorophenol	196	6.441	6.441	0.000	98	58581	10.0	6.27	
\$ 51 2-Fluorobiphenyl	172	6.482	6.488	-0.006	98	269809	10.0	7.88	
52 1,1'-Biphenyl	154	6.576	6.588	-0.012	94	286425	10.0	8.10	
53 2-Chloronaphthalene	162	6.593	6.599	-0.006	98	210504	10.0	7.84	
54 Phenyl ether	170	6.682	6.688	-0.006	82	161020	10.0	8.43	
56 2-Nitroaniline	65	6.699	6.705	-0.006	95	68699	10.0	8.76	
57 1,3-Dimethylnaphthalene	156	6.811	6.817	-0.006	93	217902	10.0	10.2	
58 Dimethyl phthalate	163	6.882	6.899	-0.017	99	231566	10.0	9.57	
59 Coumarin	146	6.899	6.911	-0.012	79	71479	10.0	8.92	
60 2,6-Dinitrotoluene	165	6.941	6.952	-0.012	96	59965	10.0	10.4	
61 Acenaphthylene	152	6.999	7.011	-0.012	98	320337	10.0	8.47	
64 3-Nitroaniline	138	7.105	7.117	-0.012	95	45180	10.0	8.18	
* 65 Acenaphthene-d10	164	7.140	7.141	-0.001	93	835163	8.00	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.176	7.182	-0.006	76	51165	10.0	1.86	
67 Acenaphthene	154	7.176	7.182	-0.006	94	246771	10.0	10.6	
69 4-Nitrophenol	65	7.293	7.299	-0.006	83	38477	20.0	12.0	
70 2,4-Dinitrotoluene	165	7.340	7.346	-0.006	95	55905	10.0	8.58	
71 Dibenzofuran	168	7.346	7.352	-0.006	96	291119	10.0	8.42	
72 2,3,4,6-Tetrachlorophenol	232	7.476	7.476	0.000	94	34432	10.0	5.33	
73 Diethyl phthalate	149	7.576	7.593	-0.017	99	207421	10.0	9.21	
75 Fluorene	166	7.682	7.688	-0.006	96	255956	10.0	9.72	
74 4-Chlorophenyl phenyl ethe	204	7.682	7.688	-0.006	87	105044	10.0	7.84	
76 4-Nitroaniline	138	7.699	7.723	-0.024	87	26692	10.0	5.76	
77 4,6-Dinitro-2-methylphenol	198	7.740	7.758	-0.018	75	8098	20.0	5.12	
78 N-Nitrosodiphenylamine	169	7.799	7.811	-0.012	65	161688	10.0	9.59	
79 1,2-Diphenylhydrazine	77	7.840	7.846	-0.006	92	157852	10.0	8.06	
\$ 80 2,4,6-Tribromophenol	330	7.917	7.929	-0.012	92	21472	10.0	5.93	
81 4-Bromophenyl phenyl ether	248	8.164	8.164	0.000	93	54871	10.0	7.73	
83 Hexachlorobenzene	284	8.235	8.235	0.000	95	54249	10.0	7.53	
84 Atrazine	200	8.329	8.335	-0.006	96	111787	20.0	21.5	
63 2-Naphthylamine	143	8.435	8.385	0.050	44	13720		NC	
62 1-Naphthylamine	143	8.376	8.385	-0.009	47	7955		NC	
85 Pentachlorophenol	266	8.429	8.429	0.000	86	35101	20.0	12.2	M
86 Pentachloronitrobenzene	237	8.440	8.440	0.000	85	16480	10.0	6.41	
87 n-Octadecane	57	8.552	8.517	0.035	85	1482837	10.0	105.0	
* 88 Phenanthrene-d10	188	8.599	8.599	0.000	97	1021909	8.00	40.0	s

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
89 Phenanthrene	178	8.623	8.629	-0.006	97	936143	10.0	32.4	
90 Anthracene	178	8.676	8.676	0.000	99	346829	10.0	11.9	
91 Carbazole	167	8.835	8.835	-0.001	97	254296	10.0	11.2	
92 Di-n-butyl phthalate	149	9.182	9.187	-0.005	99	243095	10.0	9.16	
93 Fluoranthene	202	9.793	9.793	0.000	99	1482240	10.0	59.5	
95 Pyrene	202	10.011	10.011	0.000	98	1250469	10.0	40.2	
82 Bisphenol-A	213	10.076	10.064	0.012	95	39485	5.00	3.59	
\$ 96 Terphenyl-d14	244	10.170	10.170	0.000	99	149100	10.0	6.48	
97 Butyl benzyl phthalate	149	10.676	10.681	-0.005	97	82086	10.0	7.72	
99 Carbamazepine	193	10.787	10.793	-0.006	92	47999	10.0	6.56	
100 3,3'-Dichlorobenzidine	252	11.270	11.276	-0.006	97	36203	10.0	5.15	
101 Benzo[a]anthracene	228	11.299	11.299	0.000	97	614866	10.0	27.3	
* 102 Chrysene-d12	240	11.311	11.311	0.000	99	738371	8.00	40.0	
103 Chrysene	228	11.340	11.346	-0.006	99	640970	10.0	32.2	
104 Bis(2-ethylhexyl) phthalat	149	11.346	11.352	-0.006	87	115358	10.0	8.26	
105 Di-n-octyl phthalate	149	12.181	12.187	-0.006	97	182188	10.0	5.29	
106 Benzo[b]fluoranthene	252	12.670	12.670	0.000	97	890334	10.0	32.3	
107 Benzo[k]fluoranthene	252	12.699	12.711	-0.012	97	484675	10.0	16.3	
108 Benzo[a]pyrene	252	13.099	13.105	-0.006	98	722077	10.0	28.4	
* 109 Perylene-d12	264	13.181	13.181	0.000	99	928373	8.00	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.634	14.640	-0.006	98	736944	10.0	35.4	
111 Dibenz(a,h)anthracene	278	14.664	14.669	-0.005	95	337496	10.0	16.1	
112 Benzo[g,h,i]perylene	276	15.022	15.028	-0.006	97	699992	10.0	30.9	
S 119 Total Cresols	1				0			13.6	
126 4,4'-DDD	235	7.305	7.293	0.012	53	43		NR	7
127 4,4'-DDT	235	7.693	7.645	0.048	58	335		NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

SM_ISTD_00102

Amount Added: 20.00

Units: uL

Run Reagent

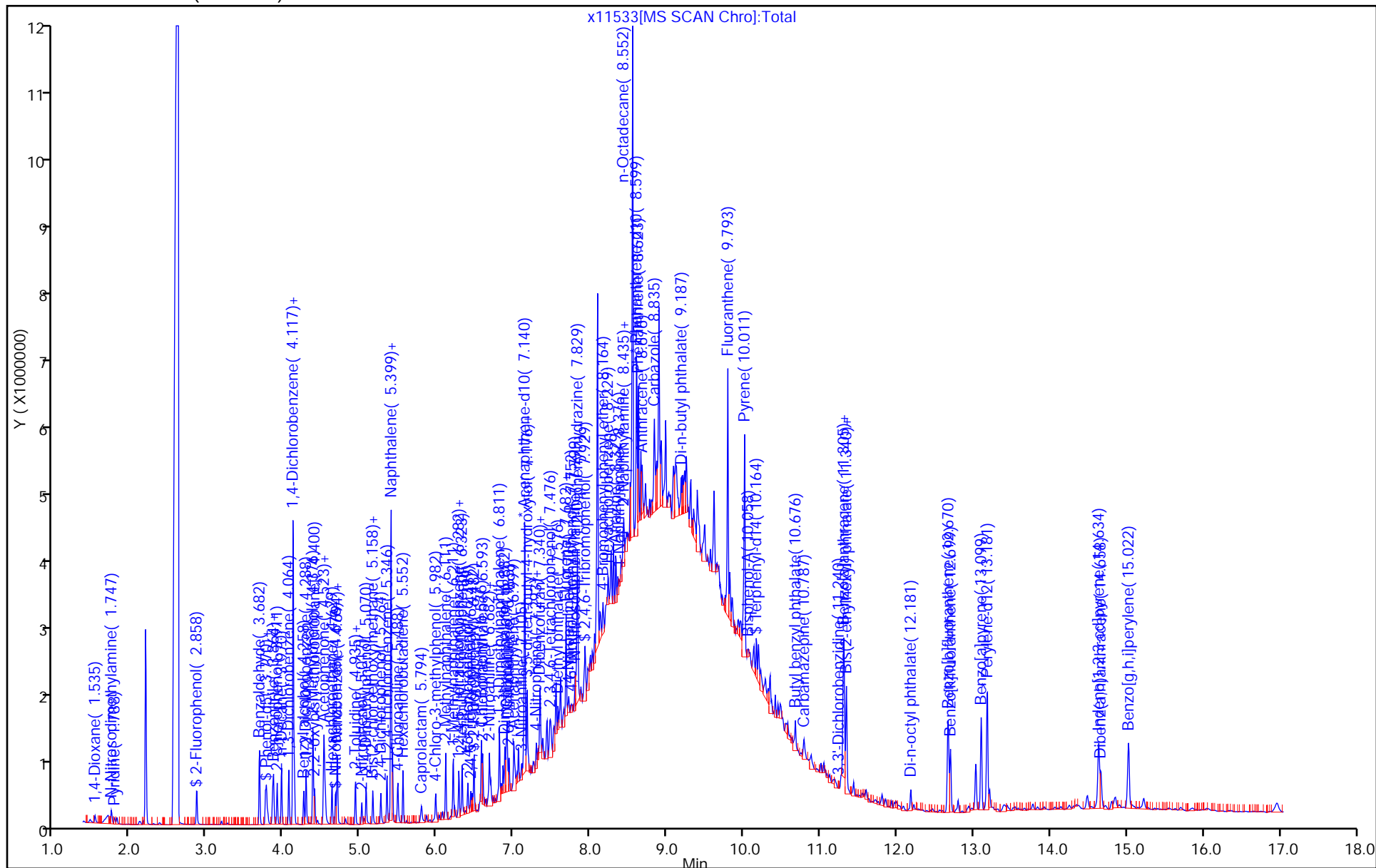
Operator ID:

Worklist Smp#: 26

ALS Bottle#: 26

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

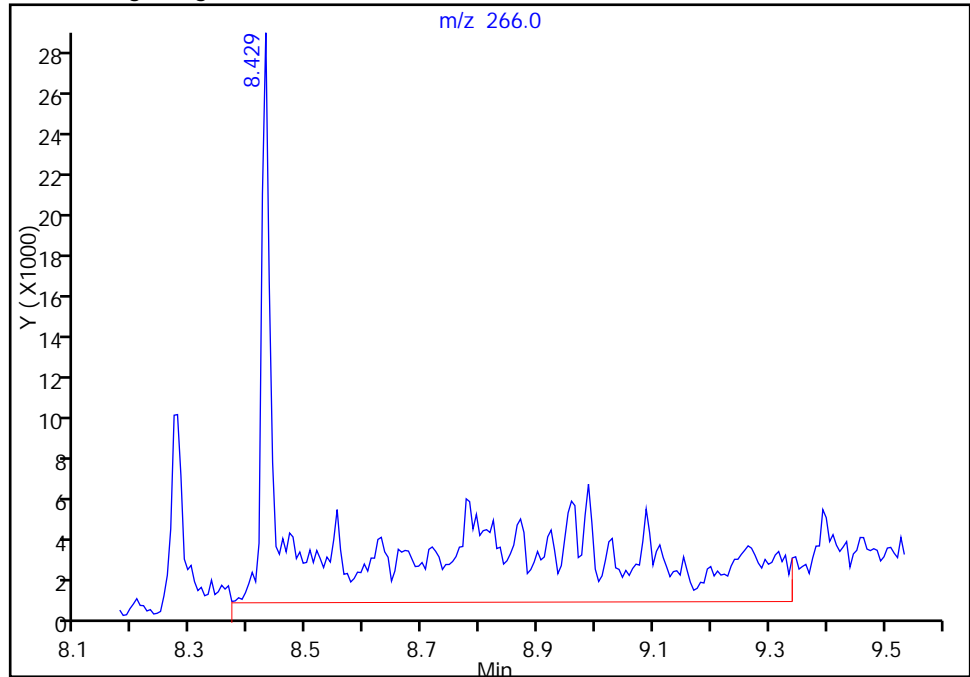
Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160307-38117.b\11533.D
Injection Date: 08-Mar-2016 02:45:30 Instrument ID: CBNAMS5
Lims ID: 460-109341-A-4-D MSD
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 26 Worklist Smp#: 26
Dil. Factor: 5.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

85 Pentachlorophenol, CAS: 87-86-5

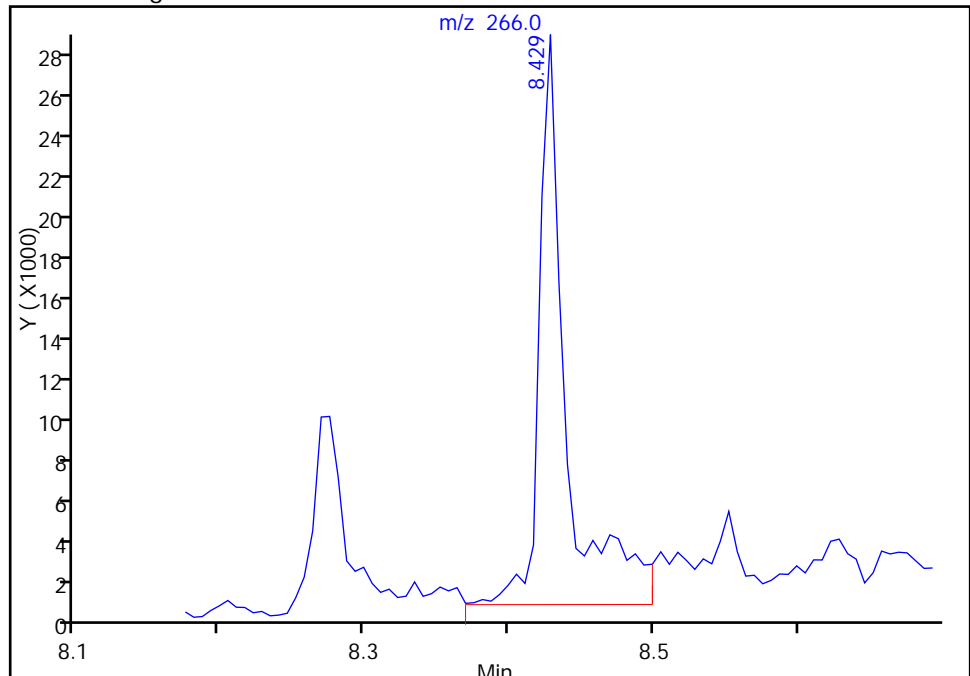
RT: 8.43
Area: 146498
Amount: 42.164760
Amount Units: ug/ml

Processing Integration Results



RT: 8.43
Area: 35101
Amount: 12.194201
Amount Units: ug/ml

Manual Integration Results



Reviewer: szczecha, 08-Mar-2016 11:45:36
Audit Action: Split an Integrated Peak
Audit Reason: Baseline

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-109448-1

SDG No.: _____

Instrument ID: CBNAMS5Start Date: 03/05/2016 12:53Analysis Batch Number: 354233End Date: 03/06/2016 00:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-354233/1		03/05/2016 12:53	1	x11406.D	Rtxi-5Sil MS 0.25 (mm)
ICIS 460-354233/2		03/05/2016 13:12	1	x11407.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-354233/3 IC		03/05/2016 13:44	1	x11408.D	Rtxi-5Sil MS 0.25 (mm)
STD80 460-354233/4 IC		03/05/2016 14:07	1	x11409.D	Rtxi-5Sil MS 0.25 (mm)
STD20 460-354233/5 IC		03/05/2016 14:31	1	x11410.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-354233/6 IC		03/05/2016 14:54	1	x11411.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-354233/7 IC		03/05/2016 15:18	1	x11412.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-354233/8 IC		03/05/2016 15:41	1	x11413.D	Rtxi-5Sil MS 0.25 (mm)
STD1 460-354233/9 IC		03/05/2016 16:04	1	x11414.D	Rtxi-5Sil MS 0.25 (mm)
STD05 460-354233/10 IC		03/05/2016 16:28	1	x11415.D	Rtxi-5Sil MS 0.25 (mm)
STD50 460-354233/11 IC		03/05/2016 16:51	1	x11416.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-354233/12 IC		03/05/2016 17:15	1	x11417.D	Rtxi-5Sil MS 0.25 (mm)
STD80 460-354233/13 IC		03/05/2016 17:38	1	x11418.D	Rtxi-5Sil MS 0.25 (mm)
STD20 460-354233/14 IC		03/05/2016 18:01	1	x11419.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-354233/15 IC		03/05/2016 18:25	1	x11420.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-354233/16 IC		03/05/2016 18:49	1	x11421.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-354233/17 IC		03/05/2016 19:12	1	x11422.D	Rtxi-5Sil MS 0.25 (mm)
ICV 460-354233/18		03/05/2016 19:36	1	x11423.D	Rtxi-5Sil MS 0.25 (mm)
ICV 460-354233/19		03/05/2016 19:59	1	x11424.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/05/2016 20:23	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/05/2016 20:46	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/05/2016 21:10	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/05/2016 21:34	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/05/2016 21:57	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/05/2016 22:21	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/05/2016 22:44	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/05/2016 23:08	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/05/2016 23:32	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/05/2016 23:56	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/06/2016 00:19	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Instrument ID: CBNAMS5 Start Date: 03/07/2016 16:45Analysis Batch Number: 354522 End Date: 03/08/2016 02:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-354522/1		03/07/2016 16:45	1	x11508.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-354522/2		03/07/2016 17:09	1	x11509.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-354522/3		03/07/2016 17:38	1	x11510.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/07/2016 18:31	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/07/2016 18:54	1		Rtxi-5Sil MS 0.25 (mm)
MB 460-353351/1-A		03/07/2016 19:17	1	x11514.D	Rtxi-5Sil MS 0.25 (mm)
LCS 460-353351/2-A		03/07/2016 19:41	1	x11515.D	Rtxi-5Sil MS 0.25 (mm)
LCS 460-353351/3-A		03/07/2016 20:05	1	x11516.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/07/2016 20:28	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/07/2016 20:52	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/07/2016 21:16	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/07/2016 23:37	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/08/2016 00:01	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/08/2016 00:24	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/08/2016 00:48	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/08/2016 01:11	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/08/2016 01:58	5		Rtxi-5Sil MS 0.25 (mm)
460-109341-A-4-C MS		03/08/2016 02:21	5	x11532.D	Rtxi-5Sil MS 0.25 (mm)
460-109341-A-4-D MSD		03/08/2016 02:45	5	x11533.D	Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Instrument ID: CBNAMS5 Start Date: 03/08/2016 10:04Analysis Batch Number: 354619 End Date: 03/08/2016 20:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-354619/1		03/08/2016 10:04	1	x11548.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-354619/2		03/08/2016 10:20	1	x11549.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-354619/3		03/08/2016 11:31	1	x11550.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/08/2016 12:27	1		Rtxi-5Sil MS 0.25 (mm)
460-109448-1		03/08/2016 12:50	1	x11554.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/08/2016 13:14	2		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/08/2016 14:24	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/08/2016 15:11	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/08/2016 15:34	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/08/2016 15:57	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/08/2016 16:43	10		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/08/2016 17:07	20		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/08/2016 17:30	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/08/2016 17:53	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/08/2016 18:40	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/08/2016 19:50	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/08/2016 20:13	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		03/08/2016 20:37	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Batch Number: 353351 Batch Start Date: 03/01/16 12:43 Batch Analyst: DeLeaon, Royce ABatch Method: 3546 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	OP_Benzald_sp 00002	OP_BNA SPIK 00020	OP_BNASurroga 00009	
MB 460-353351/1		3546, 8270D		15.0000 g	1 mL			500 uL	
LCS 460-353351/2		3546, 8270D		15.0000 g	1 mL		500 uL	500 uL	
LCS 460-353351/3		3546, 8270D		15.0000 g	1 mL	50 uL		500 uL	
460-109341-A-4 MS		3546, 8270D	T	15.0321 g	1 mL	50 uL	500 uL	500 uL	
460-109341-A-4 MSD		3546, 8270D	T	15.0265 g	1 mL	50 uL	500 uL	500 uL	
460-109448-A-1	B1	3546, 8270D	T	15.0365 g	1 mL			500 uL	

Batch Notes	
Balance ID	28
Batch Comment	BNA SOIL 8270D
Final Concentrator Volume	1 mL
MeCL2 ID	128101
MeCl2 / Acetone ID	110970
Na2SO4 ID	151191 (SILICA SAND LOT#132456)
Person's name who did the prep	RD
Analyst ID - Spike Analyst	RD
Analyst ID - Spike Witness Analyst	RD
Water Bath Temperature	38c (38c UNCORRECTED)

Basis	Basis Description
T	Total/NA

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.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-109448-1

SDG No.: _____

Project: DEC Elmont546; Site: E130150

Client Sample ID
B1

Lab Sample ID
460-109448-1

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: B1	Lab Sample ID: 460-109448-1
Lab Name: TestAmerica Edison	Job No.: 460-109448-1
SDG ID.:	
Matrix: Solid	Date Sampled: 02/26/2016 11:40
Reporting Basis: DRY	Date Received: 02/26/2016 17:40
% Solids: 90.9	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8260	33.1	17.0	mg/Kg			4	6010C
7440-36-0	Antimony	3.3	3.3	1.3	mg/Kg	U		4	6010C
7440-38-2	Arsenic	2.3	2.5	0.81	mg/Kg	J		4	6010C
7440-39-3	Barium	52.8	33.1	1.2	mg/Kg			4	6010C
7440-41-7	Beryllium	0.37	0.33	0.28	mg/Kg			4	6010C
7440-43-9	Cadmium	0.66	0.66	0.34	mg/Kg	U		4	6010C
7440-70-2	Calcium	1410	827	49.0	mg/Kg			4	6010C
7440-47-3	Chromium	9.7	1.7	0.80	mg/Kg			4	6010C
7440-48-4	Cobalt	2.9	8.3	0.95	mg/Kg	J		4	6010C
7440-50-8	Copper	10.1	4.1	1.1	mg/Kg			4	6010C
7439-89-6	Iron	10800	24.8	18.7	mg/Kg			4	6010C
7439-92-1	Lead	49.3	1.7	0.65	mg/Kg			4	6010C
7439-95-4	Magnesium	908	827	41.3	mg/Kg			4	6010C
7439-96-5	Manganese	375	2.5	0.87	mg/Kg			4	6010C
7440-02-0	Nickel	10.1	6.6	1.2	mg/Kg			4	6010C
7440-09-7	Potassium	370	827	25.1	mg/Kg	J		4	6010C
7782-49-2	Selenium	3.3	3.3	1.1	mg/Kg	U		4	6010C
7440-22-4	Silver	1.7	1.7	0.29	mg/Kg	U		4	6010C
7440-23-5	Sodium	827	827	56.0	mg/Kg	U		4	6010C
7440-28-0	Thallium	3.3	3.3	1.5	mg/Kg	U		4	6010C
7440-62-2	Vanadium	12.8	8.3	0.83	mg/Kg			4	6010C
7440-66-6	Zinc	46.0	5.0	1.2	mg/Kg			4	6010C

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison

Job No.: 460-109448-1

SDG No.: _____

ICV Source: ME_CCv_DUO_00149

Concentration Units: ug/L

CCV Source: ME_CCv_DUO_00149

Analyte	ICV 460-353173/7 02/29/2016 09:54				CCV 460-353173/33 02/29/2016 11:34				CCV 460-353173/46 02/29/2016 12:37			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	124600		125000	100	127400		125000	102	121000		125000	97
Antimony	989.4		1000	99	999.6		1000	100	974.2		1000	97
Arsenic	2479		2500	99	2484		2500	99	2482		2500	99
Barium	10100		10000	101	10170		10000	102	10100		10000	101
Beryllium	1005		1000	101	1027		1000	103	995.6		1000	100
Cadmium	1261		1250	101	1269		1250	102	1262		1250	101
Calcium	125900		125000	101	126900		125000	102	126200		125000	101
Chromium	5048		5000	101	5096		5000	102	5107		5000	102
Cobalt	2522		2500	101	2544		2500	102	2504		2500	100
Copper	12470		12500	100	12560		12500	100	12230		12500	98
Iron	101600		100000	102	102600		100000	103	99660		100000	100
Lead	7582		7500	101	7616		7500	102	7635		7500	102
Magnesium	125100		125000	100	125400		125000	100	125600		125000	100
Manganese	5097		5000	102	5141		5000	103	5077		5000	102
Nickel	2530		2500	101	2541		2500	102	2541		2500	102
Potassium	49820		50000	100	50450		50000	101	48720		50000	97
Selenium	2475		2500	99	2485		2500	99	2496		2500	100
Silver	1241		1250	99	1256		1250	100	1217		1250	97
Sodium	125100		125000	100	125900		125000	101	123800		125000	99
Thallium	2542		2500	102	2581		2500	103	2524		2500	101
Vanadium	2524		2500	101	2549		2500	102	2505		2500	100
Zinc	2526		2500	101	2568		2500	103	2543		2500	102

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.: 460-109448-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00149 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00149

Analyte	CCV 460-353173/59 02/29/2016 13:26											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum												
Antimony	996.1		1000	100								
Arsenic	2535		2500	101								
Barium	10280		10000	103								
Beryllium												
Cadmium	1283		1250	103								
Calcium	128500		125000	103								
Chromium	5187		5000	104								
Cobalt	2544		2500	102								
Copper	12540		12500	100								
Iron	101300		100000	101								
Lead	7802		7500	104								
Magnesium	128500		125000	103								
Manganese	5155		5000	103								
Nickel	2588		2500	104								
Potassium												
Selenium	2549		2500	102								
Silver	1240		1250	99								
Sodium												
Thallium	2568		2500	103								
Vanadium	2540		2500	102								
Zinc	2569		2500	103								

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison

Job No.: 460-109448-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00009

Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00009

Analyte	ICVL 460-353173/9 02/29/2016 10:02				CCVL 460-353173/35 02/29/2016 11:42				CCVL 460-353173/48 02/29/2016 12:45			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	222.1		200	111	230.2		200	115	232.5		200	116
Antimony	19.11	J	20.0	96	19.22	J	20.0	96	17.22	J	20.0	86
Arsenic	16.57		15.0	110	16.12		15.0	107	15.11		15.0	101
Barium	214.9		200	107	214.7		200	107	212.1		200	106
Beryllium	2.05		2.00	103	2.08		2.00	104	2.03		2.00	101
Cadmium	4.19		4.00	105	4.22		4.00	105	4.27		4.00	107
Calcium	5132		5000	103	5205		5000	104	5118		5000	102
Chromium	10.90		10.0	109	11.29		10.0	113	10.79		10.0	108
Cobalt	54.48		50.0	109	54.71		50.0	109	53.75		50.0	108
Copper	24.87	J	25.0	99	25.39		25.0	102	24.14	J	25.0	97
Iron	149.0	J	150	99	169.0		150	113	156.1		150	104
Lead	12.24		10.0	122	12.07		10.0	121	11.85		10.0	119
Magnesium	5121		5000	102	5125		5000	103	5052		5000	101
Manganese	16.19		15.0	108	16.43		15.0	110	16.05		15.0	107
Nickel	44.39		40.0	111	44.03		40.0	110	43.76		40.0	109
Potassium	4677	J	5000	94	4967	J	5000	99	4811	J	5000	96
Selenium	24.04		20.0	120	21.99		20.0	110	22.69		20.0	113
Silver	9.75	J	10.0	98	10.07		10.0	101	9.46	J	10.0	95
Sodium	4865	J	5000	97	5101		5000	102	4972	J	5000	99
Thallium	22.92		20.0	115	24.67		20.0	123	22.59		20.0	113
Vanadium	51.13		50.0	102	52.08		50.0	104	50.75		50.0	102
Zinc	32.06		30.0	107	32.73		30.0	109	32.17		30.0	107

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00009 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00009

Analyte	CCVL 460-353173/61 02/29/2016 13:34											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	214.9		200	107								
Antimony	18.50	J	20.0	93								
Arsenic	15.84		15.0	106								
Barium	216.5		200	108								
Beryllium	1.99	J	2.00	100								
Cadmium	4.23		4.00	106								
Calcium	5213		5000	104								
Chromium	11.84		10.0	118								
Cobalt	54.43		50.0	109								
Copper	24.46	J	25.0	98								
Iron	167.7		150	112								
Lead	11.90		10.0	119								
Magnesium	5226		5000	105								
Manganese	16.40		15.0	109								
Nickel	44.66		40.0	112								
Potassium	4790	J	5000	96								
Selenium	21.46		20.0	107								
Silver	9.68	J	10.0	97								
Sodium	5033		5000	101								
Thallium	23.68		20.0	118								
Vanadium	52.24		50.0	104								
Zinc	32.59		30.0	109								

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.: 460-109448-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00149

Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00149

Analyte	ICV 460-353355/7 02/29/2016 16:35				CCV 460-353355/33 02/29/2016 18:13				CCV 460-353355/46 02/29/2016 19:03			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	123500		125000	99	127100		125000	102	127000		125000	102
Antimony	971.3		1000	97	975.2		1000	98	962.9		1000	96
Arsenic	2406		2500	96	2397		2500	96	2347		2500	94
Barium	9884		10000	99	9853		10000	99	9633		10000	96
Beryllium	987.2		1000	99	1020		1000	102	1009		1000	101
Cadmium	1229		1250	98	1233		1250	99	1209		1250	97
Calcium	122200		125000	98	122900		125000	98	120400		125000	96
Chromium	4898		5000	98	4919		5000	98	4788		5000	96
Cobalt	2471		2500	99	2478		2500	99	2443		2500	98
Copper	12280		12500	98	12280		12500	98	12190		12500	98
Iron	99170		100000	99	100400		100000	100	99970		100000	100
Lead	7403		7500	99	7351		7500	98	7152		7500	95
Magnesium	121400		125000	97	120800		125000	97	117900		125000	94
Manganese	4962		5000	99	4992		5000	100	4913		5000	98
Nickel	2466		2500	99	2458		2500	98	2396		2500	96
Potassium	49030		50000	98	49630		50000	99	49300		50000	99
Selenium	2402		2500	96	2380		2500	95	2338		2500	94
Silver	1221		1250	98	1229		1250	98	1227		1250	98
Sodium	122600		125000	98	122900		125000	98	121000		125000	97
Thallium	2503		2500	100	2528		2500	101	2505		2500	100
Vanadium	2460		2500	98	2480		2500	99	2442		2500	98
Zinc	2462		2500	98	2508		2500	100	2463		2500	99

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.: 460-109448-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00009

Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00009

Analyte	ICVL 460-353355/9 02/29/2016 16:42				CCVL 460-353355/35 02/29/2016 18:21				CCVL 460-353355/48 02/29/2016 19:10			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	222.8		200	111	230.7		200	115	227.7		200	114
Antimony	20.73		20.0	104	21.26		20.0	106	19.65	J	20.0	98
Arsenic	15.26		15.0	102	14.04	J	15.0	94	14.22	J	15.0	95
Barium	210.4		200	105	209.0		200	105	206.3		200	103
Beryllium	2.03		2.00	102	2.02		2.00	101	2.17		2.00	108
Cadmium	4.17		4.00	104	4.19		4.00	105	4.22		4.00	105
Calcium	5034		5000	101	5036		5000	101	5020		5000	100
Chromium	10.36		10.0	104	10.49		10.0	105	10.44		10.0	104
Cobalt	54.06		50.0	108	53.58		50.0	107	53.77		50.0	108
Copper	24.44	J	25.0	98	24.37	J	25.0	97	24.48	J	25.0	98
Iron	151.7		150	101	153.3		150	102	166.5		150	111
Lead	11.62		10.0	116	11.17		10.0	112	10.93		10.0	109
Magnesium	5029		5000	101	4958	J	5000	99	4882	J	5000	98
Manganese	15.94		15.0	106	15.94		15.0	106	15.92		15.0	106
Nickel	43.22		40.0	108	43.01		40.0	108	42.79		40.0	107
Potassium	4873	J	5000	97	4868	J	5000	97	4915	J	5000	98
Selenium	19.17	J	20.0	96	20.08		20.0	100	22.21		20.0	111
Silver	9.69	J	10.0	97	9.65	J	10.0	97	10.22		10.0	102
Sodium	4941	J	5000	99	4943	J	5000	99	4849	J	5000	97
Thallium	24.14		20.0	121	24.57		20.0	123	25.01		20.0	125
Vanadium	50.27		50.0	101	50.37		50.0	101	49.90	J	50.0	100
Zinc	31.47		30.0	105	31.49		30.0	105	32.36		30.0	108

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.: 460-109448-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-353173/8 02/29/2016 09:58		CCB 460-353173/34 02/29/2016 11:38		CCB 460-353173/47 02/29/2016 12:41		CCB 460-353173/60 02/29/2016 13:30	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U	200	U
Antimony	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Arsenic	15.0	15.0	U	15.0	U	15.0	U	15.0	U
Barium	200	200	U	200	U	200	U	200	U
Beryllium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Cadmium	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Calcium	5000	5000	U	5000	U	5000	U	5000	U
Chromium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Cobalt	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Copper	25.0	25.0	U	25.0	U	25.0	U	25.0	U
Iron	150	150	U	150	U	150	U	150	U
Lead	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Magnesium	5000	5000	U	5000	U	5000	U	5000	U
Manganese	15.0	15.0	U	15.0	U	15.0	U	15.0	U
Nickel	40.0	40.0	U	40.0	U	40.0	U	40.0	U
Potassium	5000	5000	U	5000	U	5000	U	5000	U
Selenium	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Silver	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Sodium	5000	5000	U	5000	U	5000	U	5000	U
Thallium	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Vanadium	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Zinc	30.0	30.0	U	30.0	U	30.0	U	30.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-353355/8 02/29/2016 16:38		CCB 460-353355/34 02/29/2016 18:17		CCB 460-353355/47 02/29/2016 19:06			
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U		
Antimony	20.0	20.0	U	20.0	U	20.0	U		
Arsenic	15.0	15.0	U	15.0	U	15.0	U		
Barium	200	200	U	200	U	200	U		
Beryllium	2.0	2.0	U	2.0	U	2.0	U		
Cadmium	4.0	4.0	U	4.0	U	4.0	U		
Calcium	5000	5000	U	5000	U	5000	U		
Chromium	10.0	10.0	U	10.0	U	10.0	U		
Cobalt	50.0	50.0	U	50.0	U	50.0	U		
Copper	25.0	25.0	U	25.0	U	25.0	U		
Iron	150	150	U	150	U	150	U		
Lead	10.0	10.0	U	10.0	U	10.0	U		
Magnesium	5000	5000	U	5000	U	5000	U		
Manganese	15.0	15.0	U	15.0	U	15.0	U		
Nickel	40.0	40.0	U	40.0	U	40.0	U		
Potassium	5000	5000	U	5000	U	5000	U		
Selenium	20.0	20.0	U	20.0	U	20.0	U		
Silver	10.0	10.0	U	10.0	U	10.0	U		
Sodium	5000	5000	U	5000	U	5000	U		
Thallium	20.0	20.0	U	20.0	U	20.0	U		
Vanadium	50.0	50.0	U	50.0	U	50.0	U		
Zinc	30.0	30.0	U	30.0	U	30.0	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 460-353000/1-A ^2
 Instrument Code: ICP4 Batch No.: 353173

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	20.0	U		6010C
7440-36-0	Antimony	2.0	U		6010C
7440-38-2	Arsenic	1.5	U		6010C
7440-39-3	Barium	20.0	U		6010C
7440-41-7	Beryllium	0.20	U		6010C
7440-43-9	Cadmium	0.40	U		6010C
7440-70-2	Calcium	500	U		6010C
7440-47-3	Chromium	1.0	U		6010C
7440-48-4	Cobalt	5.0	U		6010C
7440-50-8	Copper	2.5	U		6010C
7439-89-6	Iron	15.0	U		6010C
7439-92-1	Lead	1.0	U		6010C
7439-95-4	Magnesium	500	U		6010C
7439-96-5	Manganese	1.5	U		6010C
7440-02-0	Nickel	4.0	U		6010C
7440-09-7	Potassium	500	U		6010C
7782-49-2	Selenium	2.0	U		6010C
7440-22-4	Silver	1.0	U		6010C
7440-23-5	Sodium	500	U		6010C
7440-28-0	Thallium	2.0	U		6010C
7440-62-2	Vanadium	5.0	U		6010C
7440-66-6	Zinc	3.0	U		6010C

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-353173/10 Instrument ID: ICP4
 Lab File ID: 353000.asc ICS Source: ME_ICSA_Duo_00066
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	492000	98
Antimony		1.73	
Arsenic		0.872	
Barium		-0.854	
Beryllium		-0.106	
Cadmium		-0.417	
Calcium	500000	505200	101
Chromium		-1.61	
Cobalt		-3.35	
Copper		-2.89	
Iron	200000	194800	97
Lead		-1.98	
Magnesium	500000	515400	103
Manganese		-4.40	
Nickel		-0.623	
Potassium		-66.6	
Selenium		3.37	
Silver		-0.323	
Sodium		-52.3	
Thallium		-3.83	
Vanadium		3.02	
Zinc		-3.11	
<i>Boron</i>		<i>-9.76</i>	
<i>Molybdenum</i>		<i>-0.318</i>	
<i>Strontium</i>		<i>-1.70</i>	
<i>Tin</i>		<i>2.48</i>	
<i>Titanium</i>		<i>-1.90</i>	

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-353173/11 Instrument ID: ICP4
 Lab File ID: 353000.asc ICS Source: ME_ICSAB_DUO_00082
 Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Aluminum	500000	547300	109
Antimony	100	105	105
Arsenic	100	106	106
Barium	100	109	109
Beryllium	100	108	108
Cadmium	100	104	104
Calcium	500000	551500	110
Chromium	100	109	109
Cobalt	100	102	102
Copper	100	112	112
Iron	200000	213700	107
Lead	100	100	100
Magnesium	500000	556800	111
Manganese	100	106	106
Nickel	100	104	104
Potassium	10000	11030	110
Selenium	100	116	116
Silver	100	113	113
Sodium	10000	11300	113
Thallium	100	101	101
Vanadium	100	113	113
Zinc	100	101	101
<i>Boron</i>	<i>100</i>	<i>96.6</i>	<i>97</i>
<i>Molybdenum</i>	<i>100</i>	<i>105</i>	<i>105</i>
<i>Strontium</i>	<i>100</i>	<i>107</i>	<i>107</i>
<i>Tin</i>	<i>100</i>	<i>106</i>	<i>106</i>
<i>Titanium</i>	<i>100</i>	<i>110</i>	<i>110</i>

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-353355/10 Instrument ID: ICP4
 Lab File ID: 353117.asc ICS Source: ME_ICSA_Duo_00066
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	492400	98
Antimony		0.916	
Arsenic		0.541	
Barium		-4.92	
Beryllium		-0.0452	
Cadmium		0.0470	
Calcium	500000	496400	99
Chromium		-1.70	
Cobalt		-3.09	
Copper		-3.01	
Iron	200000	192000	96
Lead		-2.95	
Magnesium	500000	496300	99
Manganese		-4.28	
Nickel		-0.664	
Potassium		-54.5	
Selenium		6.26	
Silver		0.979	
Sodium		-54.2	
Thallium		-2.49	
Vanadium		2.52	
Zinc		-3.13	
<i>Boron</i>		<i>-8.81</i>	
<i>Molybdenum</i>		<i>-0.0978</i>	
<i>Strontium</i>		<i>-1.60</i>	
<i>Tin</i>		<i>0.954</i>	
<i>Titanium</i>		<i>-1.17</i>	

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-353355/11 Instrument ID: ICP4
 Lab File ID: 353117.asc ICS Source: ME_ICSAB_DUO_00082
 Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Aluminum	500000	544800	109
Antimony	100	108	108
Arsenic	100	107	107
Barium	100	102	102
Beryllium	100	107	107
Cadmium	100	103	103
Calcium	500000	541100	108
Chromium	100	106	106
Cobalt	100	99.8	100
Copper	100	111	111
Iron	200000	210700	105
Lead	100	100	100
Magnesium	500000	546200	109
Manganese	100	104	104
Nickel	100	102	102
Potassium	10000	10970	110
Selenium	100	111	111
Silver	100	113	113
Sodium	10000	11190	112
Thallium	100	99.1	99
Vanadium	100	111	111
Zinc	100	99.4	99
<i>Boron</i>	<i>100</i>	<i>94.5</i>	<i>95</i>
<i>Molybdenum</i>	<i>100</i>	<i>104</i>	<i>104</i>
<i>Strontium</i>	<i>100</i>	<i>106</i>	<i>106</i>
<i>Tin</i>	<i>100</i>	<i>104</i>	<i>104</i>
<i>Titanium</i>	<i>100</i>	<i>109</i>	<i>109</i>

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____

Lab ID: 460-109419-A-49-D MS

Lab Name: TestAmerica Edison

Job No.: 460-109448-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 88.8

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	5744	2130	172	2104	75-125	4	6010C
Antimony	17.34	3.5 U	43.0	40	75-125	N	6010C
Arsenic	160.5	2.6 U	172	93	75-125		6010C
Barium	183.3	8.7 J	172	102	75-125		6010C
Beryllium	4.61	0.35 U	4.30	107	75-125		6010C
Cadmium	4.09	0.70 U	4.30	95	75-125		6010C
Calcium	2320	649 J	1720	97	75-125		6010C
Chromium	27.30	9.5	17.2	103	75-125		6010C
Cobalt	46.67	1.0 J	43.0	109	75-125		6010C
Copper	26.91	5.8	21.5	98	75-125		6010C
Iron	8774	8910	85.9	-153	75-125	4	6010C
Lead	48.63	3.3	43.0	106	75-125		6010C
Magnesium	2655	585 J	1720	120	75-125		6010C
Manganese	100.5	22.9	43.0	181	75-125	N	6010C
Nickel	47.50	2.4 J	43.0	105	75-125		6010C
Potassium	1722	350 J	1720	80	75-125		6010C
Selenium	161.1	1.4 J	172	93	75-125		6010C
Silver	4.05	1.8 U	4.30	94	75-125		6010C
Sodium	2151	512 J	1720	95	75-125		6010C
Thallium	178.7	3.5 U	172	104	75-125		6010C
Vanadium	55.14	11.6	43.0	101	75-125		6010C
Zinc	49.56	5.1 J	43.0	103	75-125		6010C

SSR = Spiked Sample Result

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

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____

Lab ID: 460-109419-A-49-B PDS

Lab Name: TestAmerica Edison

Job No.: 460-109448-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	2422	2130	352	83	80-120		6010C
Antimony	81.37	3.5 U	87.9	93	80-120		6010C
Arsenic	328.9	2.6 U	352	94	80-120		6010C
Barium	358.4	8.7 J	352	99	80-120		6010C
Beryllium	9.23	0.35 U	8.79	105	80-120		6010C
Cadmium	8.61	0.70 U	8.79	98	80-120		6010C
Calcium	4041	649 J	3520	96	80-120		6010C
Chromium	45.53	9.5	35.2	102	80-120		6010C
Cobalt	89.92	1.0 J	87.9	102	80-120		6010C
Copper	47.73	5.8	44.0	95	80-120		6010C
Iron	8712	8910	176	NC	80-120		6010C
Lead	92.70	3.3	87.9	102	80-120		6010C
Magnesium	3858	585 J	3520	93	80-120		6010C
Manganese	110.5	22.9	87.9	100	80-120		6010C
Nickel	93.33	2.4 J	87.9	103	80-120		6010C
Potassium	3452	350 J	3520	88	80-120		6010C
Selenium	336.8	1.4 J	352	95	80-120		6010C
Silver	8.19	1.8 U	8.79	93	80-120		6010C
Sodium	3873	512 J	3520	96	80-120		6010C
Thallium	367.9	3.5 U	352	105	80-120		6010C
Vanadium	99.06	11.6	87.9	99	80-120		6010C
Zinc	94.56	5.1 J	87.9	102	80-120		6010C

SSR = Spiked Sample Result

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

FORM VB - IN

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-109419-A-49-C DU
 Lab Name: TestAmerica Edison Job No.: 460-109448-1
 SDG No.: _____
 % Solids for Sample: 88.8 % Solids for Duplicate: 88.8
 Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Aluminum	33.9	2130	2033	5		6010C
Antimony	3.4	3.5 U	3.4 U	NC		6010C
Arsenic	2.5	2.6 U	1.31 J	NC		6010C
Barium	33.9	8.7 J	8.43 J	3		6010C
Beryllium	0.34	0.35 U	0.34 U	NC		6010C
Cadmium	0.68	0.70 U	0.68 U	NC		6010C
Calcium	846	649 J	623.2 J	4		6010C
Chromium	1.7	9.5	9.17	4		6010C
Cobalt	8.5	1.0 J	0.972 J	3		6010C
Copper	4.2	5.8	5.61	3		6010C
Iron	25.4	8910	8551	4		6010C
Lead	1.7	3.3	2.94	11		6010C
Magnesium	846	585 J	564.5 J	4		6010C
Manganese	2.5	22.9	22.02	4		6010C
Nickel	6.8	2.4 J	2.35 J	2		6010C
Potassium	846	350 J	333.3 J	5		6010C
Selenium	3.4	1.4 J	3.4 U	NC		6010C
Silver	1.7	1.8 U	1.7 U	NC		6010C
Sodium	846	512 J	493.0 J	4		6010C
Thallium	3.4	3.5 U	3.4 U	NC		6010C
Vanadium	8.5	11.6	11.13	4		6010C
Zinc	5.1	5.1 J	4.94 J	4		6010C

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

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-353000/2-A

Lab Name: TestAmerica Edison

Job No.: 460-109448-1

Sample Matrix: Solid

LCS Source: ME_LCSS_87_00006

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	7930	6961		87.8	50.2	150.1		6010C
Antimony	105	57.65		54.9	0.1	201.0		6010C
Arsenic	98.5	94.63		96.1	77.8	122.8		6010C
Barium	308	316.9		102.9	82.5	117.5		6010C
Beryllium	66.0	66.33		100.5	83.0	116.8		6010C
Cadmium	146	152.6		104.5	82.9	117.8		6010C
Calcium	6610	6382		96.6	83.7	116.2		6010C
Chromium	182	188.5		103.6	79.7	120.3		6010C
Cobalt	162	172.4		106.4	83.3	116.0		6010C
Copper	106	105.6		99.6	81.5	118.9		6010C
Iron	14400	13660		94.9	44.1	155.6		6010C
Lead	130	133.2		102.5	82.3	117.7		6010C
Magnesium	2640	2445		92.6	75.8	124.6		6010C
Manganese	410	428.4		104.5	81.2	119.0		6010C
Nickel	149	162.0		108.7	82.6	117.4		6010C
Potassium	2550	2304		90.3	69.0	130.6		6010C
Selenium	154	150.3		97.6	77.9	122.1		6010C
Silver	40.9	38.06		93.1	75.1	124.7		6010C
Sodium	2480	2527		101.9	70.6	129.0		6010C
Thallium	175	193.8		110.7	78.3	121.1		6010C
Vanadium	96.7	97.41		100.7	77.2	123.1		6010C
Zinc	191	196.7		103.0	83.2	116.8		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

Lab ID: 460-109419-A-49-B SD

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-109448-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Aluminum	2130		2080		2.4		6010C
Antimony	3.5	U	17.6	U	NC		6010C
Arsenic	2.6	U	13.2	U	NC		6010C
Barium	8.7	J	8.68	J	NC		6010C
Beryllium	0.35	U	1.8	U	NC		6010C
Cadmium	0.70	U	3.5	U	NC		6010C
Calcium	649	J	647.7	J	NC		6010C
Chromium	9.5		9.32		NC		6010C
Cobalt	1.0	J	44.0	U	NC		6010C
Copper	5.8		22.0	U	NC		6010C
Iron	8910		8890		0.18		6010C
Lead	3.3		3.55	J	NC		6010C
Magnesium	585	J	590.1	J	NC		6010C
Manganese	22.9		22.65		NC		6010C
Nickel	2.4	J	35.2	U	NC		6010C
Potassium	350	J	331.2	J	NC		6010C
Selenium	1.4	J	17.6	U	NC		6010C
Silver	1.8	U	8.8	U	NC		6010C
Sodium	512	J	504.8	J	NC		6010C
Thallium	3.5	U	17.6	U	NC		6010C
Vanadium	11.6		11.04	J	NC		6010C
Zinc	5.1	J	26.4	U	NC		6010C

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-109448-1
 SDG Number: _____
 Matrix: Solid Instrument ID: ICP4
 Method: 6010C MDL Date: 05/05/2015 13:01
 Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum		40	20.6
Antimony		4	1.58
Arsenic		3	0.983
Barium		40	1.43
Beryllium		0.4	0.339
Cadmium		0.8	0.417
Calcium		1000	59.2
Chromium		2	0.967
Cobalt		10	1.15
Copper		5	1.3
Iron		30	22.6
Lead		2	0.785
Magnesium		1000	49.9
Manganese		3	1.05
Nickel		8	1.46
Potassium		1000	30.3
Selenium		4	1.38
Silver		2	0.353
Sodium		1000	67.7
Thallium		4	1.77
Vanadium		10	1
Zinc		6	1.46

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-109448-1
SDG Number: _____
Matrix: Solid Instrument ID: ICP4
Method: 6010C XMDL Date: 05/05/2015 12:52

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		200	69.5
Antimony		20	4.7
Arsenic		15	4.41
Barium		200	5.49
Beryllium		2	1.8
Cadmium		4	2.32
Calcium		5000	317
Chromium		10	4.5
Cobalt		50	5.08
Copper		25	5.02
Iron		150	65.4
Lead		10	4.16
Magnesium		5000	260
Manganese		15	4.88
Nickel		40	5.39
Potassium		5000	122
Selenium		20	6.76
Silver		10	1.86
Sodium		5000	315
Thallium		20	4.52
Vanadium		50	4.37
Zinc		30	5.9

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-353000/1-A ^2	02/28/2016 17:17	353000	1.00		50
LCSSRM 460-353000/2-A	02/28/2016 17:17	353000	1.02		50
460-109419-A-49-C DU	02/28/2016 17:17	353000	1.33		50
460-109419-A-49-D MS	02/28/2016 17:17	353000	1.31		50
460-109448-1	02/28/2016 17:17	353000	1.33		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 02/29/2016 09:32 End Date: 02/29/2016 13:38

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
ICIS 460-353173/1	1		09:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			09:36																				
ZZZZZZ			09:40																				
ZZZZZZ			09:44																				
ZZZZZZ			09:47																				
ZZZZZZ			09:51																				
ICV 460-353173/7	1		09:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 460-353173/8	1		09:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICVL 460-353173/9	1		10:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 460-353173/10	1		10:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 460-353173/11	1		10:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			10:14																				
ZZZZZZ			10:17																				
ZZZZZZ			10:21																				
ZZZZZZ			10:25																				
ZZZZZZ			10:29																				
ZZZZZZ			10:33																				
ZZZZZZ			10:37																				
ZZZZZZ			10:41																				
CCV 460-353173/20			10:44																				
CCB 460-353173/21			10:48																				
CCVL 460-353173/22			10:52																				
ZZZZZZ			10:56																				
ZZZZZZ			10:59																				
ZZZZZZ			11:03																				
ZZZZZZ			11:07																				
ZZZZZZ			11:11																				
ZZZZZZ			11:15																				
ZZZZZZ			11:19																				
ZZZZZZ			11:22																				
ZZZZZZ			11:26																				
ZZZZZZ			11:30																				
CCV 460-353173/33	1		11:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-353173/34	1		11:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCVL 460-353173/35	1		11:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			12:00																				
ZZZZZZ			12:04																				
MB 460-353000/1-A ^2	2	T	12:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCSSRM 460-353000/2-A	4	T	12:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-109419-A-49-C DU	4	T	12:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			12:19																				
460-109419-A-49-B SD	20	T	12:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 02/29/2016 09:32 End Date: 02/29/2016 13:38

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
460-109419-A-49-D MS	4	T	12:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-109419-A-49-B PDS	4	T	12:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:34																				
CCV 460-353173/46	1		12:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-353173/47	1		12:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-353173/48	1		12:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:49																				
ZZZZZZ			12:53																				
ZZZZZZ			12:56																				
ZZZZZZ			13:00																				
ZZZZZZ			13:04																				
ZZZZZZ			13:08																				
ZZZZZZ			13:11																				
ZZZZZZ			13:15																				
ZZZZZZ			13:19																				
ZZZZZZ			13:23																				
CCV 460-353173/59	1		13:26	X		X	X		X	X	X	X	X	X		X	X		X	X	X	X	X
CCB 460-353173/60	1		13:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-353173/61	1		13:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:38																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 02/29/2016 09:32 End Date: 02/29/2016 13:38

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ICIS 460-353173/1	1		09:32	X	X																
ZZZZZZ			09:36																		
ZZZZZZ			09:40																		
ZZZZZZ			09:44																		
ZZZZZZ			09:47																		
ZZZZZZ			09:51																		
ICV 460-353173/7	1		09:54	X	X																
ICB 460-353173/8	1		09:58	X	X																
ICVL 460-353173/9	1		10:02	X	X																
ICSA 460-353173/10	1		10:06	X	X																
ICSAB 460-353173/11	1		10:10	X	X																
ZZZZZZ			10:14																		
ZZZZZZ			10:17																		
ZZZZZZ			10:21																		
ZZZZZZ			10:25																		
ZZZZZZ			10:29																		
ZZZZZZ			10:33																		
ZZZZZZ			10:37																		
ZZZZZZ			10:41																		
CCV 460-353173/20			10:44																		
CCB 460-353173/21			10:48																		
CCVL 460-353173/22			10:52																		
ZZZZZZ			10:56																		
ZZZZZZ			10:59																		
ZZZZZZ			11:03																		
ZZZZZZ			11:07																		
ZZZZZZ			11:11																		
ZZZZZZ			11:15																		
ZZZZZZ			11:19																		
ZZZZZZ			11:22																		
ZZZZZZ			11:26																		
ZZZZZZ			11:30																		
CCV 460-353173/33	1		11:34	X	X																
CCB 460-353173/34	1		11:38	X	X																
CCVL 460-353173/35	1		11:42	X	X																
ZZZZZZ			12:00																		
ZZZZZZ			12:04																		
MB 460-353000/1-A ^2	2	T	12:08	X	X																
LCSSRM 460-353000/2-A	4	T	12:12	X	X																
460-109419-A-49-C DU	4	T	12:15	X	X																
ZZZZZZ			12:19																		
460-109419-A-49-B SD	20	T	12:23	X	X																

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 02/29/2016 09:32 End Date: 02/29/2016 13:38

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
460-109419-A-49-D MS	4	T	12:27	X	X																
460-109419-A-49-B PDS	4	T	12:30	X	X																
ZZZZZZ			12:34																		
CCV 460-353173/46	1		12:37	X	X																
CCB 460-353173/47	1		12:41	X	X																
CCVL 460-353173/48	1		12:45	X	X																
ZZZZZZ			12:49																		
ZZZZZZ			12:53																		
ZZZZZZ			12:56																		
ZZZZZZ			13:00																		
ZZZZZZ			13:04																		
ZZZZZZ			13:08																		
ZZZZZZ			13:11																		
ZZZZZZ			13:15																		
ZZZZZZ			13:19																		
ZZZZZZ			13:23																		
CCV 460-353173/59	1		13:26	X	X																
CCB 460-353173/60	1		13:30	X	X																
CCVL 460-353173/61	1		13:34	X	X																
ZZZZZZ			13:38																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 02/29/2016 16:10 End Date: 03/01/2016 01:45

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
ICIS 460-353355/1	1		16:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:15																				
ZZZZZZ			16:19																				
ZZZZZZ			16:23																				
ZZZZZZ			16:27																				
ZZZZZZ			16:31																				
ICV 460-353355/7	1		16:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 460-353355/8	1		16:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICVL 460-353355/9	1		16:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 460-353355/10	1		16:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 460-353355/11	1		16:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:54																				
ZZZZZZ			16:58																				
ZZZZZZ			17:02																				
ZZZZZZ			17:06																				
ZZZZZZ			17:09																				
ZZZZZZ			17:13																				
ZZZZZZ			17:17																				
ZZZZZZ			17:21																				
CCV 460-353355/20			17:25																				
CCB 460-353355/21			17:28																				
CCVL 460-353355/22			17:32																				
ZZZZZZ			17:36																				
ZZZZZZ			17:40																				
ZZZZZZ			17:43																				
ZZZZZZ			17:47																				
ZZZZZZ			17:51																				
ZZZZZZ			17:55																				
ZZZZZZ			17:58																				
ZZZZZZ			18:02																				
ZZZZZZ			18:06																				
ZZZZZZ			18:10																				
CCV 460-353355/33	1		18:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-353355/34	1		18:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-353355/35	1		18:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			18:25																				
460-109448-1	4	T	18:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			18:32																				
ZZZZZZ			18:36																				
ZZZZZZ			18:40																				
ZZZZZZ			18:43																				
ZZZZZZ			18:47																				

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 02/29/2016 16:10 End Date: 03/01/2016 01:45

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
ZZZZZZZ			18:51																				
ZZZZZZZ			18:55																				
ZZZZZZZ			18:59																				
CCV 460-353355/46	1		19:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-353355/47	1		19:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-353355/48	1		19:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZZ			19:14																				
ZZZZZZZ			19:18																				
ZZZZZZZ			19:22																				
ZZZZZZZ			19:26																				
ZZZZZZZ			19:30																				
ZZZZZZZ			19:33																				
ZZZZZZZ			19:37																				
ZZZZZZZ			19:41																				
ZZZZZZZ			19:45																				
ZZZZZZZ			19:49																				
CCV 460-353355/59			19:53																				
CCB 460-353355/60			19:57																				
CCVL 460-353355/61			20:01																				
ZZZZZZZ			20:05																				
ZZZZZZZ			20:09																				
ZZZZZZZ			20:13																				
ZZZZZZZ			20:17																				
ZZZZZZZ			20:21																				
ZZZZZZZ			20:25																				
ZZZZZZZ			20:29																				
ZZZZZZZ			20:33																				
ZZZZZZZ			20:37																				
ZZZZZZZ			20:41																				
CCV 460-353355/72			20:45																				
CCB 460-353355/73			20:49																				
CCVL 460-353355/74			20:53																				
ZZZZZZZ			21:02																				
ZZZZZZZ			21:06																				
ZZZZZZZ			21:10																				
ZZZZZZZ			21:14																				
ZZZZZZZ			21:18																				
ZZZZZZZ			21:22																				
ZZZZZZZ			21:27																				
ZZZZZZZ			21:31																				
ZZZZZZZ			21:34																				
ZZZZZZZ			21:38																				

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 02/29/2016 16:10 End Date: 03/01/2016 01:45

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
CCV 460-353355/85			21:42																				
CCB 460-353355/86			21:46																				
CCVL 460-353355/87			21:50																				
ZZZZZZ			21:54																				
ZZZZZZ			21:58																				
ZZZZZZ			22:02																				
ZZZZZZ			22:06																				
ZZZZZZ			22:09																				
ZZZZZZ			22:13																				
ZZZZZZ			22:17																				
ZZZZZZ			22:21																				
ZZZZZZ			22:25																				
ZZZZZZ			22:28																				
CCV 460-353355/98			22:32																				
CCB 460-353355/99			22:36																				
CCVL 460-353355/100			22:40																				
ZZZZZZ			22:44																				
ZZZZZZ			22:48																				
ZZZZZZ			22:52																				
ZZZZZZ			22:55																				
ZZZZZZ			22:59																				
ZZZZZZ			23:03																				
ZZZZZZ			23:07																				
ZZZZZZ			23:11																				
ZZZZZZ			23:15																				
ZZZZZZ			23:19																				
CCV 460-353355/111			23:22																				
CCB 460-353355/112			23:26																				
CCVL 460-353355/113			23:30																				
ZZZZZZ			23:34																				
ZZZZZZ			23:38																				
ZZZZZZ			23:42																				
ZZZZZZ			23:46																				
ZZZZZZ			23:50																				
ZZZZZZ			23:54																				
ZZZZZZ			23:57																				
ZZZZZZ			00:02																				
ZZZZZZ			00:06																				
ZZZZZZ			00:10																				
CCV 460-353355/124			00:13																				
CCB 460-353355/125			00:17																				
CCVL 460-353355/126			00:21																				

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 02/29/2016 16:10 End Date: 03/01/2016 01:45

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
ZZZZZZ			00:25																			
ZZZZZZ			00:29																			
ZZZZZZ			00:33																			
ZZZZZZ			00:37																			
ZZZZZZ			00:41																			
ZZZZZZ			00:45																			
ZZZZZZ			00:49																			
ZZZZZZ			00:53																			
ZZZZZZ			00:57																			
ZZZZZZ			01:01																			
CCV 460-353355/137			01:05																			
CCB 460-353355/138			01:09																			
CCVL 460-353355/139			01:13																			
ZZZZZZ			01:17																			
ZZZZZZ			01:21																			
ZZZZZZ			01:25																			
ZZZZZZ			01:29																			
ZZZZZZ			01:33																			
CCV 460-353355/145			01:37																			
CCB 460-353355/146			01:41																			
CCVL 460-353355/147			01:45																			

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 02/29/2016 16:10 End Date: 03/01/2016 01:45

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ICIS 460-353355/1	1		16:10	X	X																
ZZZZZZ			16:15																		
ZZZZZZ			16:19																		
ZZZZZZ			16:23																		
ZZZZZZ			16:27																		
ZZZZZZ			16:31																		
ICV 460-353355/7	1		16:35	X	X																
ICB 460-353355/8	1		16:38	X	X																
ICVL 460-353355/9	1		16:42	X	X																
ICSA 460-353355/10	1		16:46	X	X																
ICSAB 460-353355/11	1		16:50	X	X																
ZZZZZZ			16:54																		
ZZZZZZ			16:58																		
ZZZZZZ			17:02																		
ZZZZZZ			17:06																		
ZZZZZZ			17:09																		
ZZZZZZ			17:13																		
ZZZZZZ			17:17																		
ZZZZZZ			17:21																		
CCV 460-353355/20			17:25																		
CCB 460-353355/21			17:28																		
CCVL 460-353355/22			17:32																		
ZZZZZZ			17:36																		
ZZZZZZ			17:40																		
ZZZZZZ			17:43																		
ZZZZZZ			17:47																		
ZZZZZZ			17:51																		
ZZZZZZ			17:55																		
ZZZZZZ			17:58																		
ZZZZZZ			18:02																		
ZZZZZZ			18:06																		
ZZZZZZ			18:10																		
CCV 460-353355/33	1		18:13	X	X																
CCB 460-353355/34	1		18:17	X	X																
CCVL 460-353355/35	1		18:21	X	X																
ZZZZZZ			18:25																		
460-109448-1	4	T	18:28	X	X																
ZZZZZZ			18:32																		
ZZZZZZ			18:36																		
ZZZZZZ			18:40																		
ZZZZZZ			18:43																		
ZZZZZZ			18:47																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 02/29/2016 16:10 End Date: 03/01/2016 01:45

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			18:51																		
ZZZZZZ			18:55																		
ZZZZZZ			18:59																		
CCV 460-353355/46	1		19:03	X	X																
CCB 460-353355/47	1		19:06	X	X																
CCVL 460-353355/48	1		19:10	X	X																
ZZZZZZ			19:14																		
ZZZZZZ			19:18																		
ZZZZZZ			19:22																		
ZZZZZZ			19:26																		
ZZZZZZ			19:30																		
ZZZZZZ			19:33																		
ZZZZZZ			19:37																		
ZZZZZZ			19:41																		
ZZZZZZ			19:45																		
ZZZZZZ			19:49																		
CCV 460-353355/59			19:53																		
CCB 460-353355/60			19:57																		
CCVL 460-353355/61			20:01																		
ZZZZZZ			20:05																		
ZZZZZZ			20:09																		
ZZZZZZ			20:13																		
ZZZZZZ			20:17																		
ZZZZZZ			20:21																		
ZZZZZZ			20:25																		
ZZZZZZ			20:29																		
ZZZZZZ			20:33																		
ZZZZZZ			20:37																		
ZZZZZZ			20:41																		
CCV 460-353355/72			20:45																		
CCB 460-353355/73			20:49																		
CCVL 460-353355/74			20:53																		
ZZZZZZ			21:02																		
ZZZZZZ			21:06																		
ZZZZZZ			21:10																		
ZZZZZZ			21:14																		
ZZZZZZ			21:18																		
ZZZZZZ			21:22																		
ZZZZZZ			21:27																		
ZZZZZZ			21:31																		
ZZZZZZ			21:34																		
ZZZZZZ			21:38																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 02/29/2016 16:10 End Date: 03/01/2016 01:45

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCV 460-353355/85			21:42																		
CCB 460-353355/86			21:46																		
CCVL 460-353355/87			21:50																		
ZZZZZZ			21:54																		
ZZZZZZ			21:58																		
ZZZZZZ			22:02																		
ZZZZZZ			22:06																		
ZZZZZZ			22:09																		
ZZZZZZ			22:13																		
ZZZZZZ			22:17																		
ZZZZZZ			22:21																		
ZZZZZZ			22:25																		
ZZZZZZ			22:28																		
CCV 460-353355/98			22:32																		
CCB 460-353355/99			22:36																		
CCVL 460-353355/100			22:40																		
ZZZZZZ			22:44																		
ZZZZZZ			22:48																		
ZZZZZZ			22:52																		
ZZZZZZ			22:55																		
ZZZZZZ			22:59																		
ZZZZZZ			23:03																		
ZZZZZZ			23:07																		
ZZZZZZ			23:11																		
ZZZZZZ			23:15																		
ZZZZZZ			23:19																		
CCV 460-353355/111			23:22																		
CCB 460-353355/112			23:26																		
CCVL 460-353355/113			23:30																		
ZZZZZZ			23:34																		
ZZZZZZ			23:38																		
ZZZZZZ			23:42																		
ZZZZZZ			23:46																		
ZZZZZZ			23:50																		
ZZZZZZ			23:54																		
ZZZZZZ			23:57																		
ZZZZZZ			00:02																		
ZZZZZZ			00:06																		
ZZZZZZ			00:10																		
CCV 460-353355/124			00:13																		
CCB 460-353355/125			00:17																		
CCVL 460-353355/126			00:21																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-109448-1

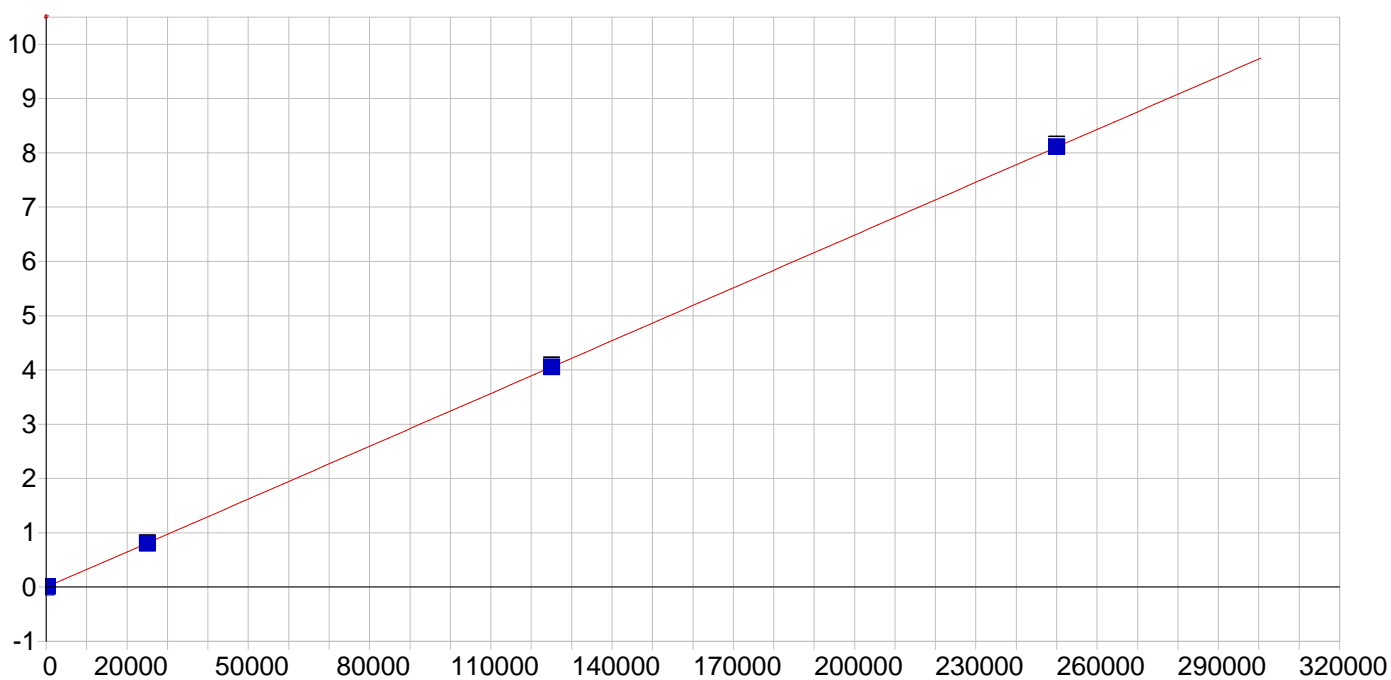
SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 02/29/2016 16:10 End Date: 03/01/2016 01:45

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			00:25																		
ZZZZZZ			00:29																		
ZZZZZZ			00:33																		
ZZZZZZ			00:37																		
ZZZZZZ			00:41																		
ZZZZZZ			00:45																		
ZZZZZZ			00:49																		
ZZZZZZ			00:53																		
ZZZZZZ			00:57																		
ZZZZZZ			01:01																		
CCV 460-353355/137			01:05																		
CCB 460-353355/138			01:09																		
CCVL 460-353355/139			01:13																		
ZZZZZZ			01:17																		
ZZZZZZ			01:21																		
ZZZZZZ			01:25																		
ZZZZZZ			01:29																		
ZZZZZZ			01:33																		
CCV 460-353355/145			01:37																		
CCB 460-353355/146			01:41																		
CCVL 460-353355/147			01:45																		

Prep Types
T = Total/NA

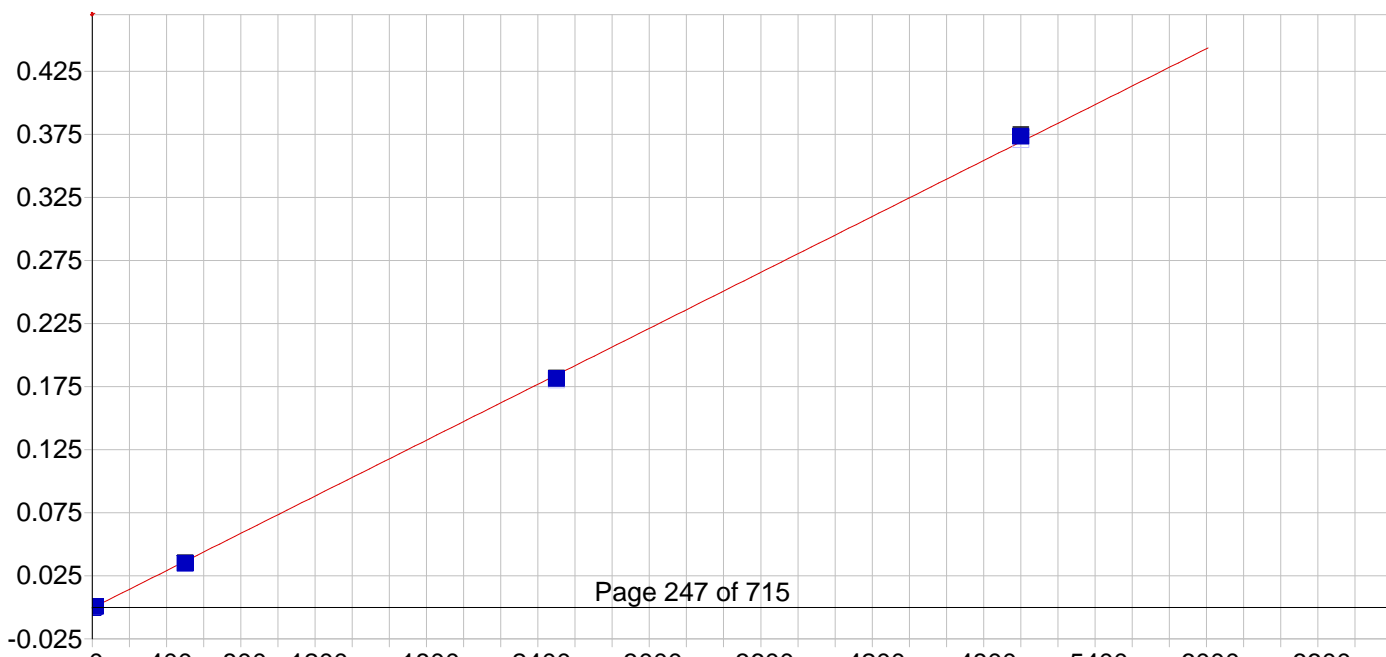


AI 396.152 { 85}

Date of Fit: 2/29/2016 9:54:47 Type of Fit: Linear Weighting: 1/Conc

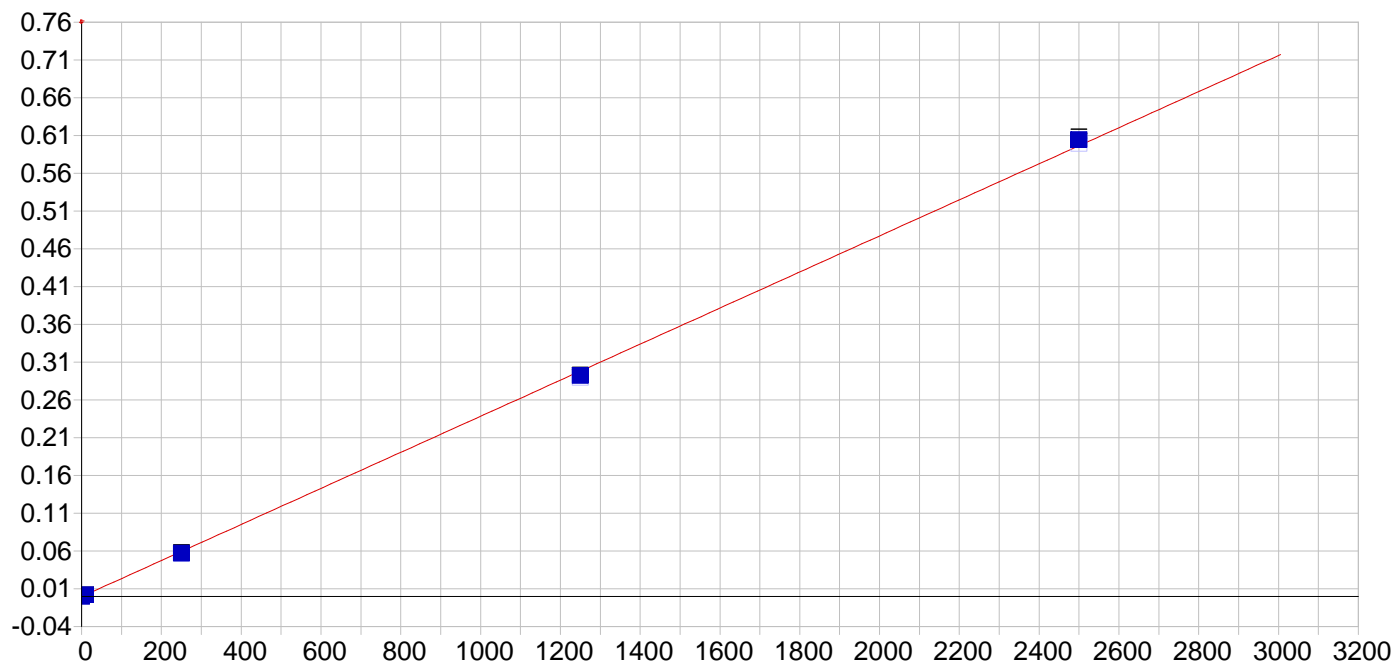
A0 (Offset): -0.000481 Re-Slope: 1.000000
 A1 (Gain): 0.000032 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999991 Status: OK.
 Std Error of Est: 0.000051
 Predicted MDL: 16.785051
 Predicted MQL: 55.950171

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.02844		-.028	.000	-.00048	.000	1
CAL2	200.00		230.30		30.3	15.1	.00701	.000	1
CAL3	25000.		24738.		-262.	-1.05	.80235	.009	1
CAL4	125000.		125060.		58.1	.046	4.0580	.029	1
CAL5	250000.		250170.		173.	.069	8.1183	.043	1



Std Error of Est: 0.000010
 Predicted MDL: 2.357015
 Predicted MQL: 7.856716

Std. Name	Stated Conc.	Found Conc.	Conc. Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00047	.000	.000	-.00043	.000	1
CAL2	15.000	14.073	-.927	-6.18	.00061	.000	1
CAL3	500.00	478.51	-21.5	-4.30	.03465	.000	1
CAL4	2500.0	2461.3	-38.7	-1.55	.18006	.000	1
CAL5	5000.0	5061.0	61.0	1.22	.37077	.001	1
CAL1	5.0000	5.0746	.075	1.49	-.00006	.000	1

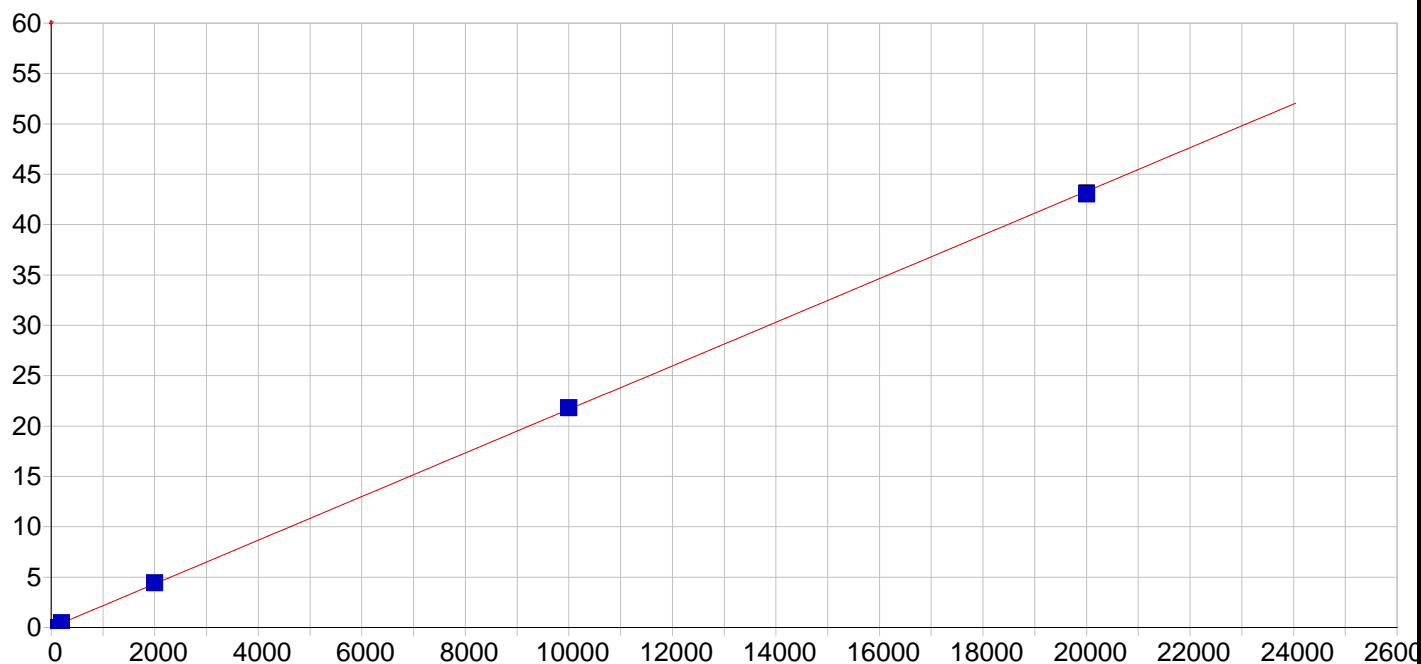


Ag 328.068 {103}

Date of Fit: 2/29/2016 9:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000372 Re-Slope: 1.000000
 A1 (Gain): 0.000239 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999835 Status: OK.
 Std Error of Est: 0.000035
 Predicted MDL: 0.593047
 Predicted MQL: 1.976822

Std. Name	Stated Conc.	Found Conc.	Conc. Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00092	.001	.000	-.00037	.000	1
CAL2	10.000	9.5060	-.494	-4.94	.00187	.000	1
CAL3	250.00	240.76	-9.24	-3.70	.05657	.000	1
CAL4	1250.0	1225.7	-24.3	-1.94	.28959	.000	1
CAL5	2500.0	2534.0	34.0	1.36	.59925	.003	1

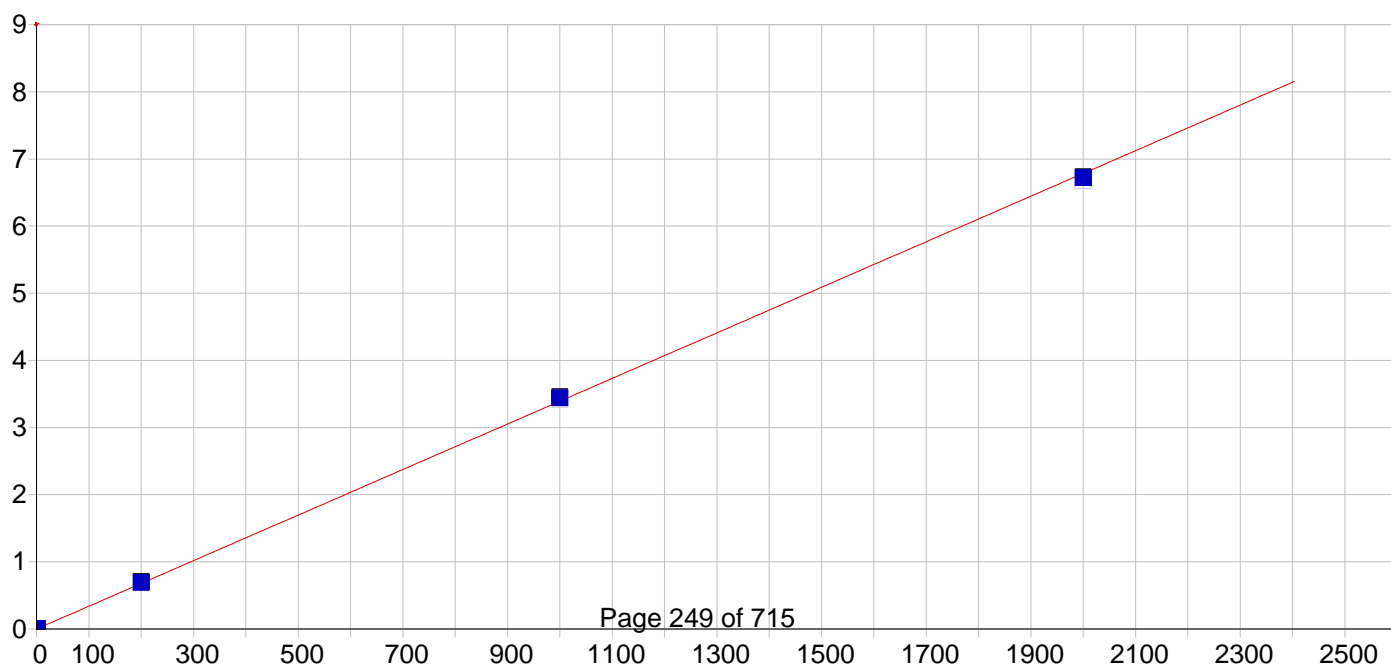


Ba 233.527 (445)

Date of Fit: 2/29/2016 9:54:47 Type of Fit: Linear Weighting: 1/Conc

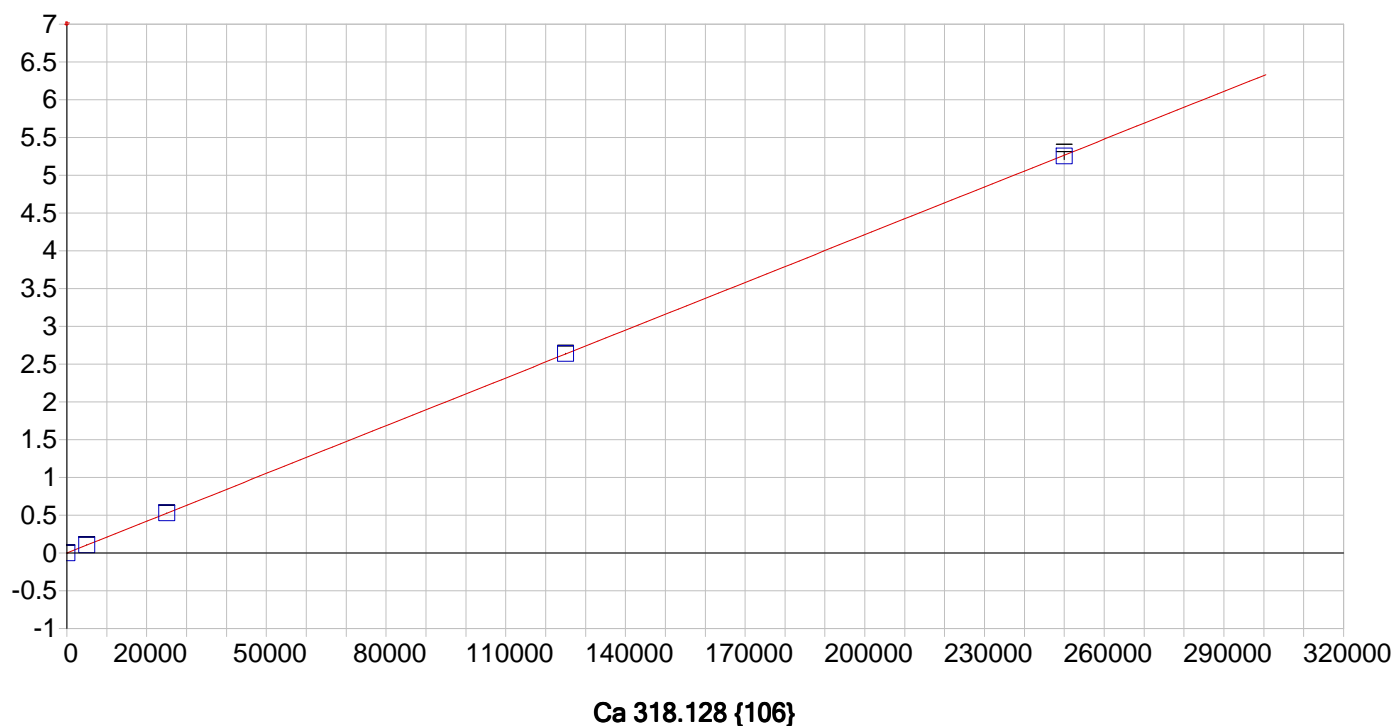
A0 (Offset): 0.000389 Re-Slope: 1.000000
 A1 (Gain): 0.002165 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999950 Status: OK.
 Std Error of Est: 0.002244
 Predicted MDL: 0.142602
 Predicted MQL: 0.475340

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.01761		-.018	.000	.00035	.000	1
CAL2	200.00		213.05		13.0	6.52	.46152	.001	1
CAL3	2000.0		2043.9		43.9	2.20	4.4203	.003	1
CAL4	10000.		10074.		74.0	.740	21.784	.029	1
CAL5	20000.		19869.		-131.	-.655	42.964	.118	1



Predicted MDL: 0.137035
Predicted MQL: 0.456782

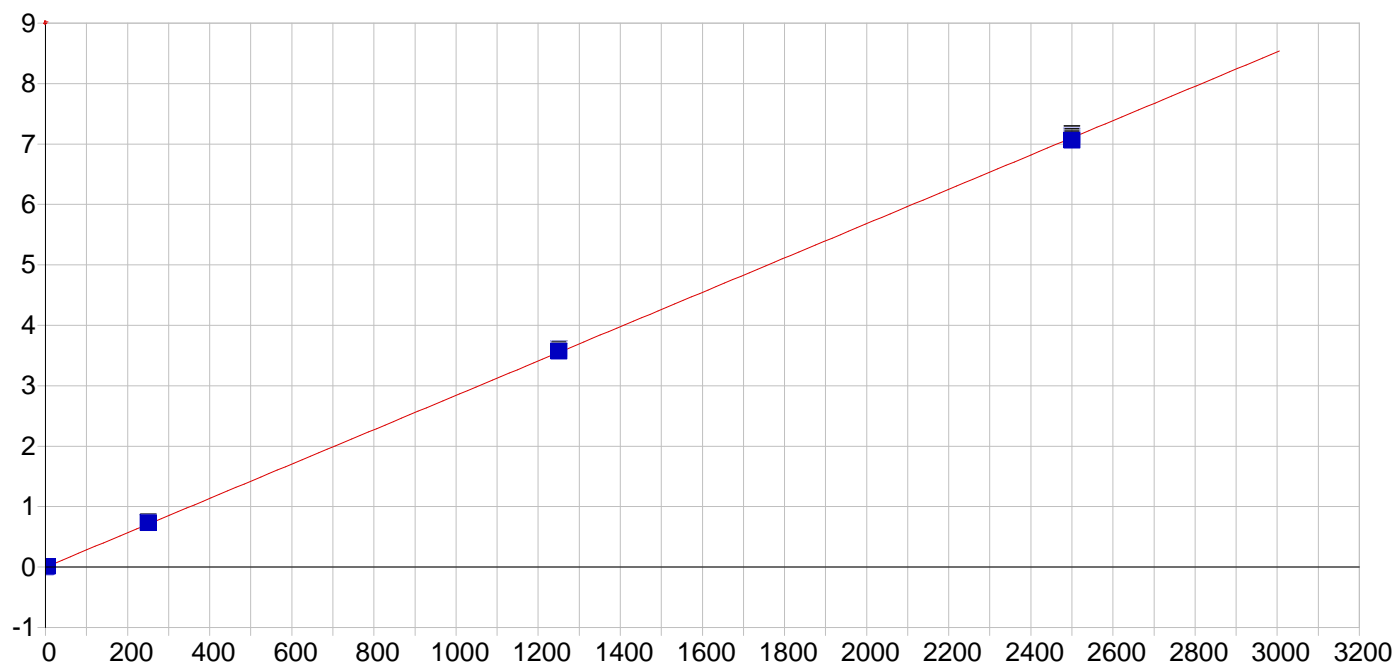
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00009	-.000	.000	.00038	.000	1
CAL2	2.0000	2.0387	.039	1.94	.00725	.000	1
CAL3	200.00	203.79	3.79	1.90	.68663	.009	1
CAL4	1000.0	1014.6	14.6	1.46	3.4169	.012	1
CAL5	2000.0	1981.5	-18.5	-.924	6.6714	.008	1



Date of Fit: 2/29/2016 9:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000623 Re-Slope: 1.000000
A1 (Gain): 0.000021 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999992 Status: OK.
Std Error of Est: 0.000153
Predicted MDL: 6.133121
Predicted MQL: 20.443738

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.16561	-.166	.000	-.00063	.000	1
CAL2	5000.0	5147.9	148.	2.96	.10785	.001	1
CAL3	25000.	25083.	83.1	.332	.52790	.002	1
CAL4	125000.	125280.	284.	.227	2.6392	.004	1
CAL5	250000.	249480.	-515.	-.206	5.2562	.048	1

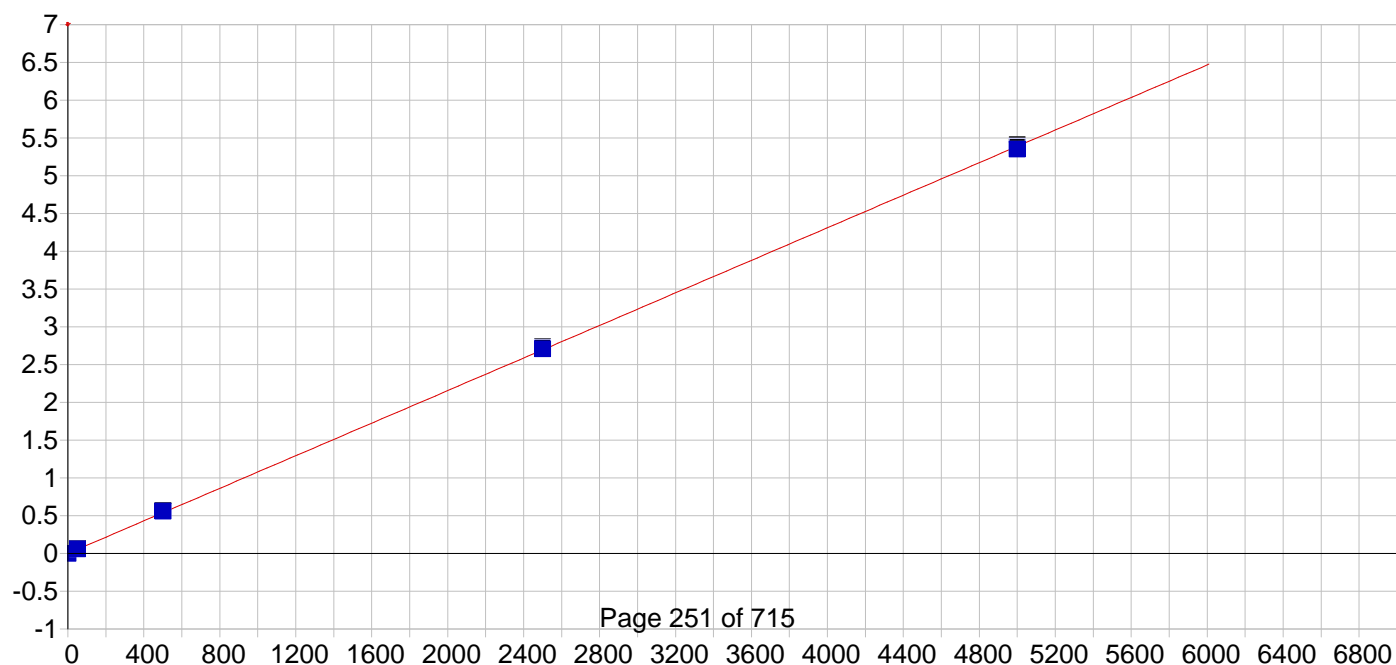


Cd 226.502 {449}

Date of Fit: 2/29/2016 9:54:47 Type of Fit: Linear Weighting: 1/Conc

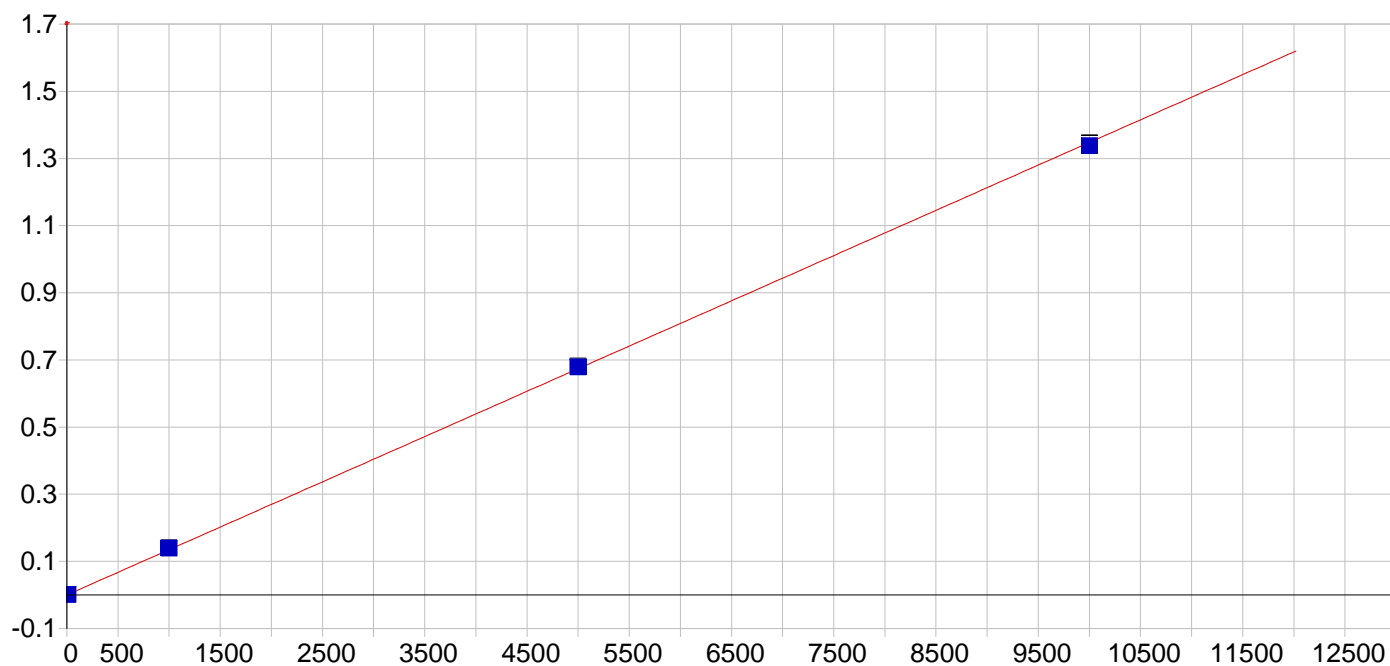
A0 (Offset): -0.000650 Re-Slope: 1.000000
 A1 (Gain): 0.002841 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999948 Status: OK.
 Std Error of Est: 0.000152
 Predicted MDL: 0.128316
 Predicted MQL: 0.427719

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00041		-.000	.000	-.00065	.000	1
CAL2	4.0000		4.2759		.276	6.90	.01156	.000	1
CAL3	250.00		258.39		8.39	3.36	.74186	.001	1
CAL4	1250.0		1256.6		6.65	.532	3.6115	.003	1
CAL5	2500.0		2484.7		-15.3	-.613	7.1424	.024	1



Predicted MDL: 0.289337
 Predicted MQL: 0.964456

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00569	-.006	.000	.00002	.000	1
CAL2	50.000	54.028	4.03	8.06	.05828	.000	1
CAL3	500.00	517.46	17.5	3.49	.56140	.001	1
CAL4	2500.0	2513.5	13.5	.542	2.7274	.005	1
CAL5	5000.0	4965.0	-35.0	-.700	5.3878	.018	1

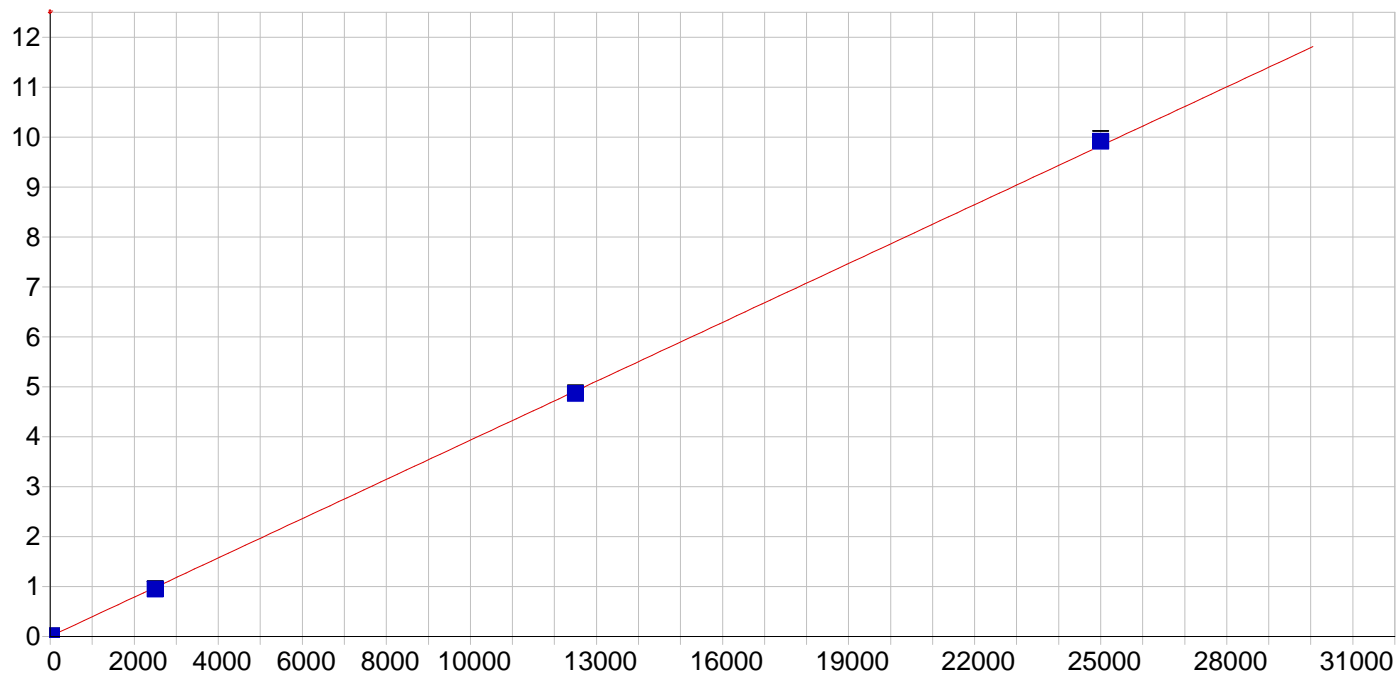


Cr 267.716 {126}

Date of Fit: 2/29/2016 9:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000021 Re-Slope: 1.000000
 A1 (Gain): 0.000135 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999941 Status: OK.
 Std Error of Est: 0.000024
 Predicted MDL: 0.607204
 Predicted MQL: 2.024013

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00143	-.001	.000	.00002	.000	1
CAL2	10.000	11.110	1.11	11.1	.00152	.000	1
CAL3	1000.0	1030.9	30.9	3.09	.13899	.001	1
CAL4	5000.0	5039.6	39.6	.792	.67941	.001	1
CAL5	10000.	9928.4	-71.6	-.716	1.3385	.007	1

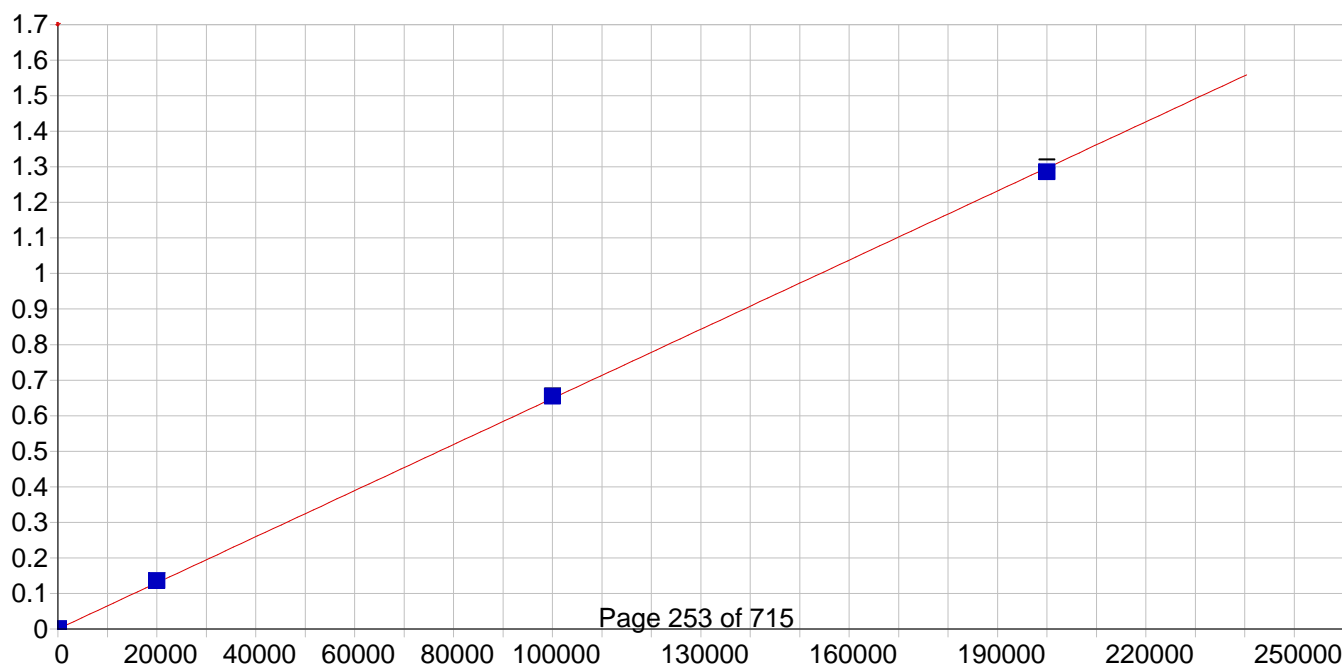


Cu 324.754 {104}

Date of Fit: 2/29/2016 9:54:47 Type of Fit: Linear Weighting: 1/Conc

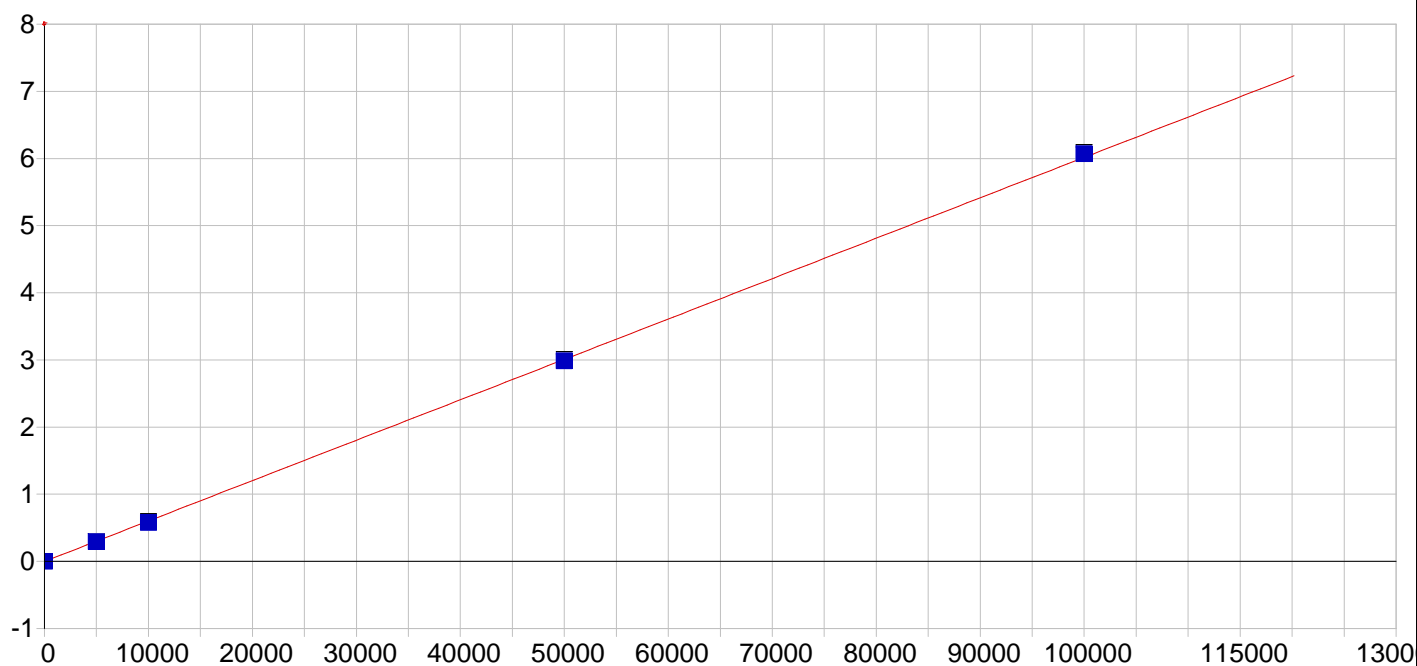
A0 (Offset): 0.002490 Re-Slope: 1.000000
 A1 (Gain): 0.000393 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999906 Status: OK.
 Std Error of Est: 0.000220
 Predicted MDL: 0.311084
 Predicted MQL: 1.036945

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00169	.002	.000	.00249	.000	1
CAL2	25.000	24.344	-.656	-2.62	.01204	.000	1
CAL3	2500.0	2399.9	-100.	-4.00	.94506	.002	1
CAL4	12500.	12369.	-131.	-1.05	4.8606	.012	1
CAL5	25000.	25232.	232.	.927	9.9127	.050	1



Predicted MDL: 12.612969
 Predicted MQL: 42.043230

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.01984	-.020	.000	.00007	.000	1
CAL2	150.00	163.10	13.1	8.73	.00114	.000	1
CAL3	20000.	20903.	903.	4.52	.13582	.001	1
CAL4	100000.	100870.	874.	.874	.65525	.000	1
CAL5	200000.	198210.	-1790.	-.895	1.2875	.012	1

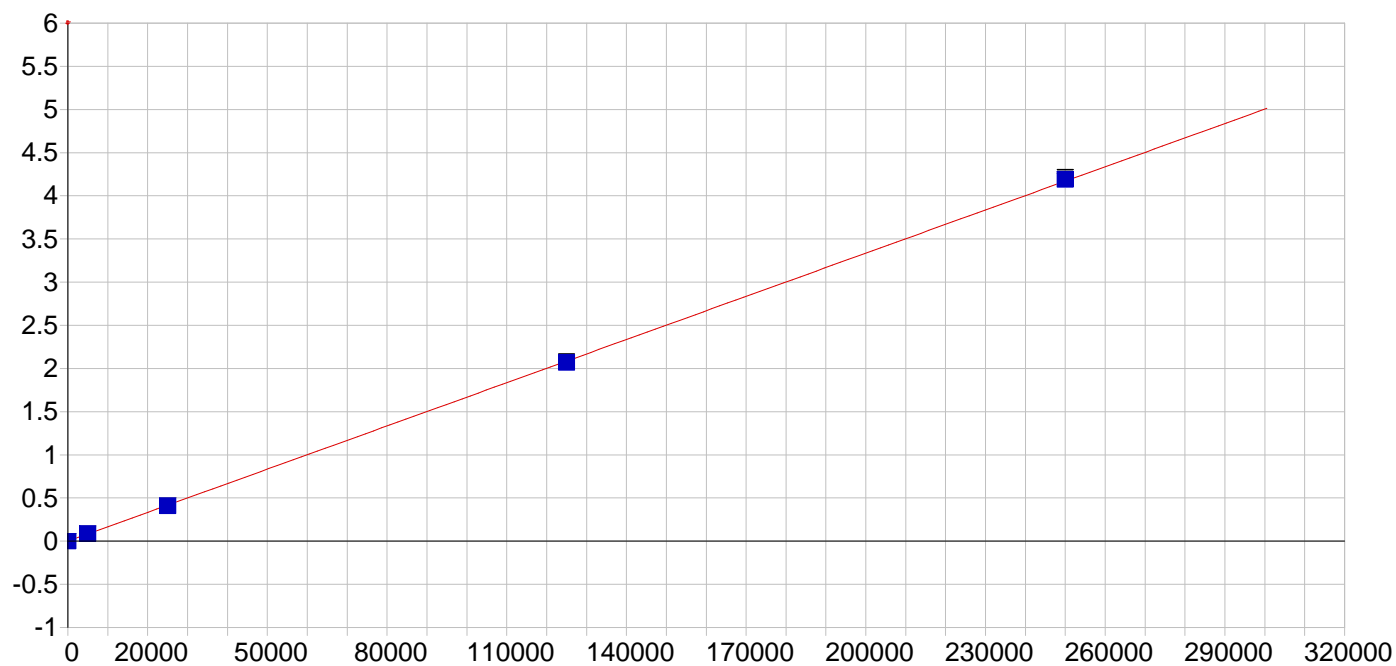


K 766.490 { 44}

Date of Fit: 2/29/2016 9:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000224 Re-Slope: 1.000000
 A1 (Gain): 0.000060 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999919 Status: OK.
 Std Error of Est: 0.000899
 Predicted MDL: 37.577655
 Predicted MQL: 125.258850

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.31369	.314	.000	-.00021	.001	1
CAL2	5000.0	4857.8	-142.	-2.84	.29204	.002	1
CAL3	10000.	9643.3	-357.	-3.57	.58017	.005	1
CAL4	50000.	49638.	-362.	-.725	2.9873	.018	1
CAL5	100000.	100860.	861.	.861	6.0701	.018	1

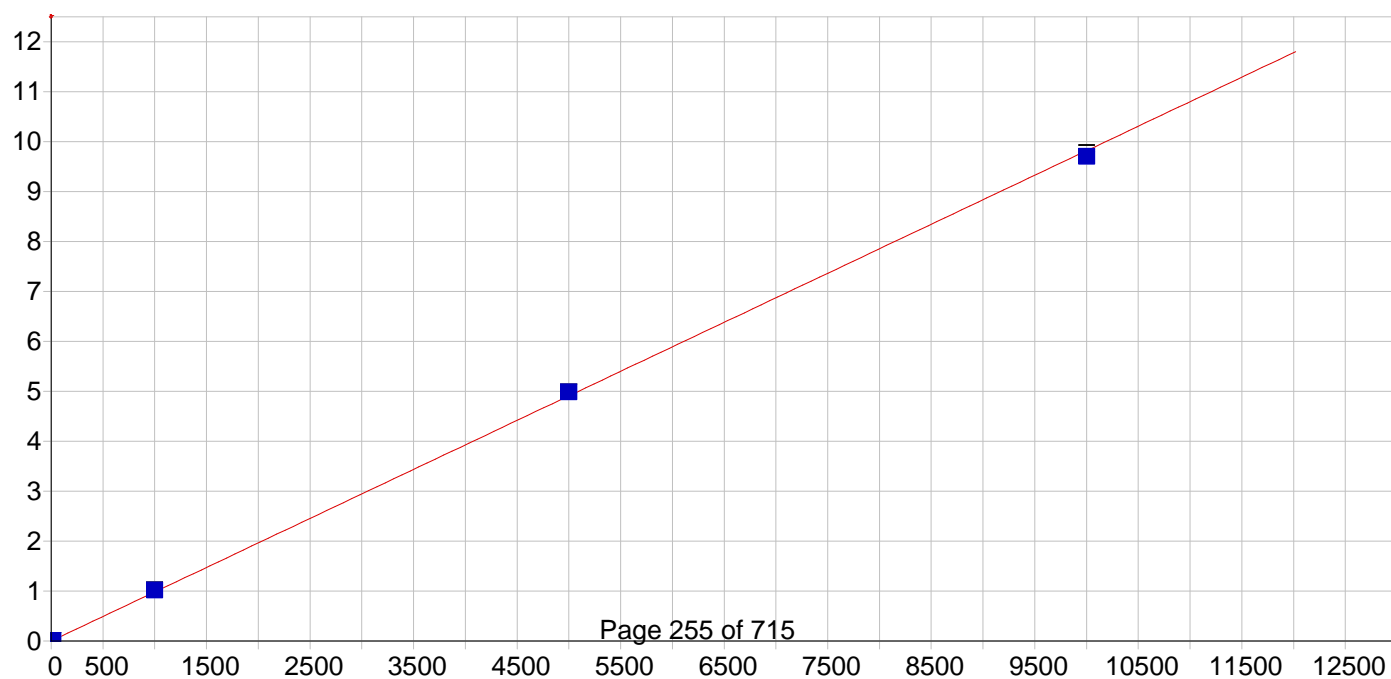


Mg 279.079 {121}

Date of Fit: 2/29/2016 9:54:47 Type of Fit: Linear Weighting: 1/Conc

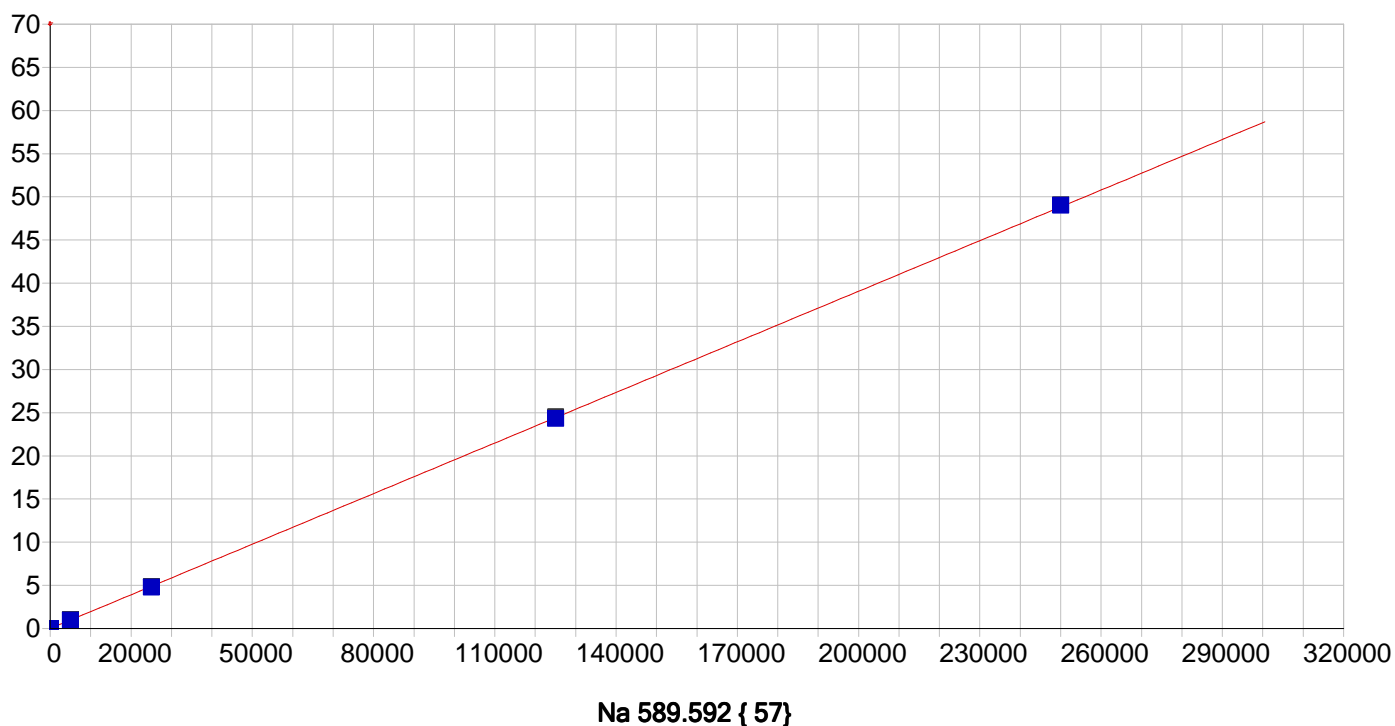
A0 (Offset): 0.000006 Re-Slope: 1.000000
 A1 (Gain): 0.000017 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999975 Status: OK.
 Std Error of Est: 0.000217
 Predicted MDL: 5.636254
 Predicted MQL: 18.787512

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00005	.000	.000	.00001	.000	1
CAL2	5000.0	5097.9	97.9	1.96	.08504	.001	1
CAL3	25000.	24556.	-444.	-1.77	.40934	.002	1
CAL4	125000.	124190.	-809.	-.647	2.0701	.002	1
CAL5	250000.	251150.	1150.	.462	4.1865	.023	1



Predicted MDL: 0.078982
 Predicted MQL: 0.263272

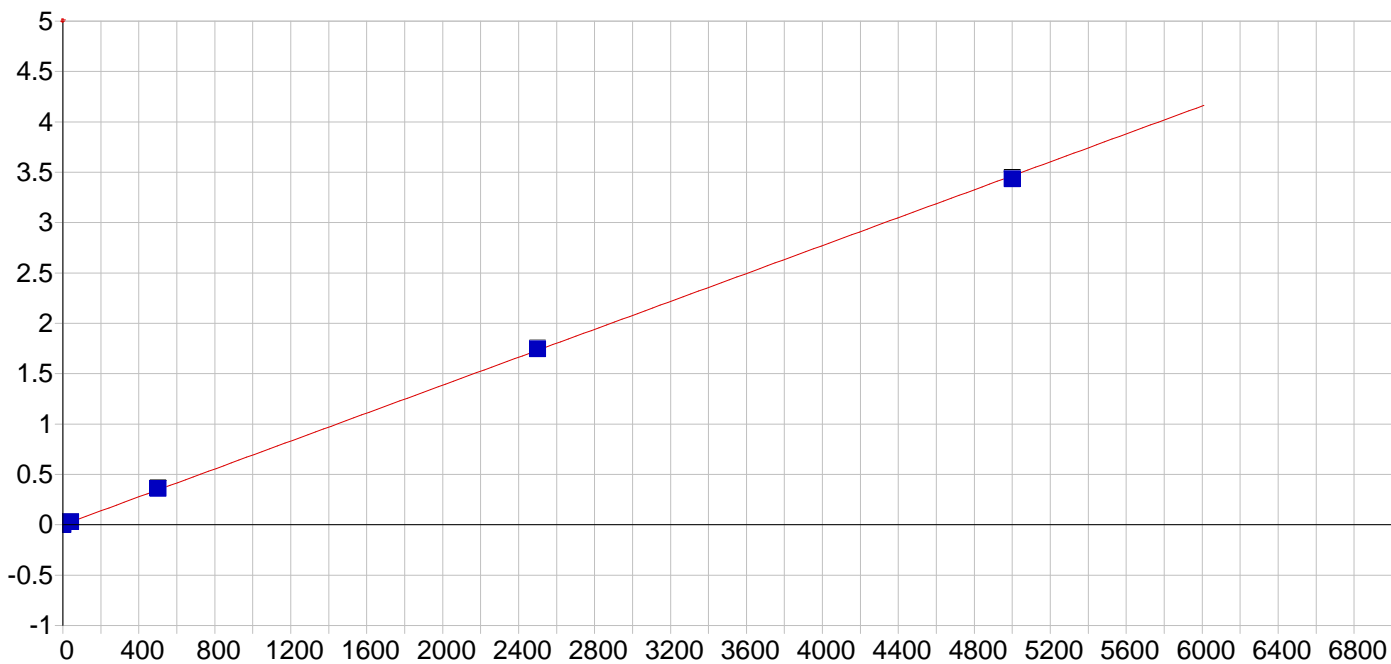
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00185	-.002	.000	.00014	.000	1
CAL2	15.000	16.211	1.21	8.07	.01606	.000	1
CAL3	1000.0	1039.1	39.1	3.91	1.0208	.004	1
CAL4	5000.0	5077.8	77.8	1.56	4.9878	.006	1
CAL5	10000.	9882.0	-118.	-1.18	9.7069	.068	1



Date of Fit: 2/29/2016 9:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004167 Re-Slope: 1.000000
 A1 (Gain): 0.000195 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999980 Status: OK.
 Std Error of Est: 0.002286
 Predicted MDL: 9.957790
 Predicted MQL: 33.192633

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.10131	.101	.000	.00419	.001	1
CAL2	5000.0	5003.1	3.11	.062	.98137	.002	1
CAL3	25000.	24468.	-532.	-2.13	4.7847	.036	1
CAL4	125000.	124570.	-428.	-.342	24.343	.126	1
CAL5	250000.	250960.	957.	.383	49.036	.037	1

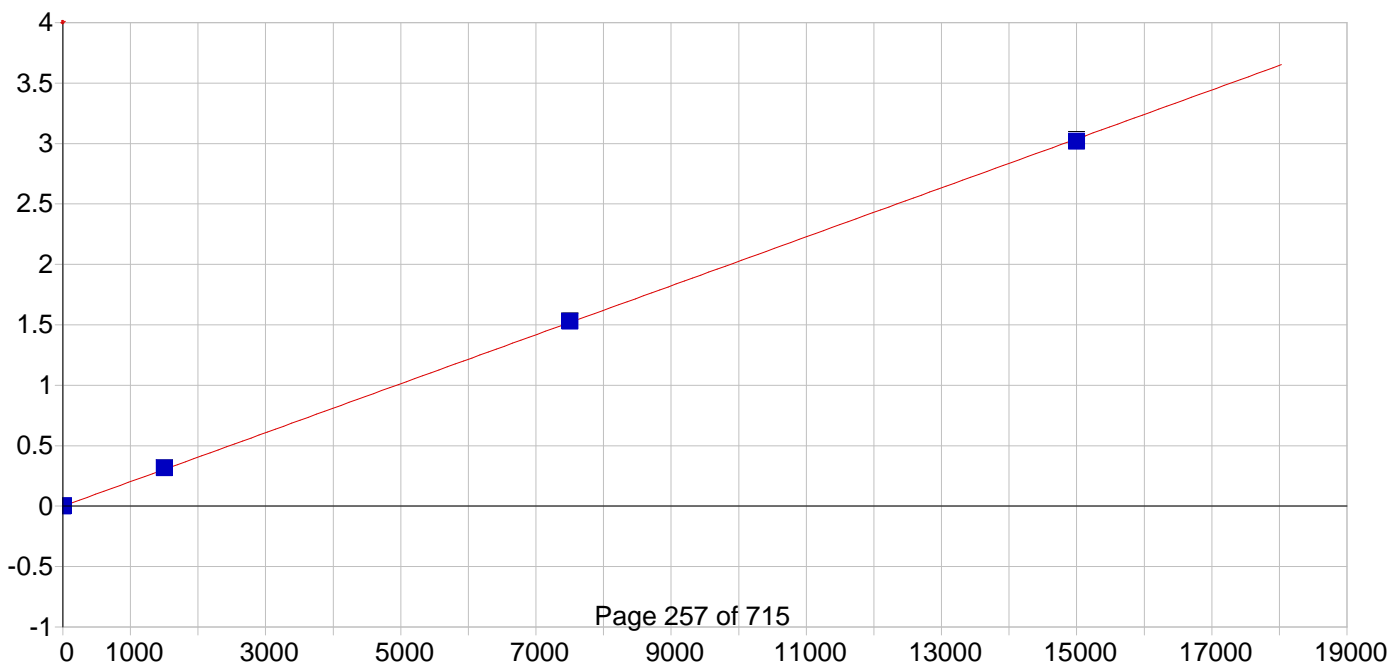


Ni 231.604 {446}

Date of Fit: 2/29/2016 9:54:47 Type of Fit: Linear Weighting: 1/Conc

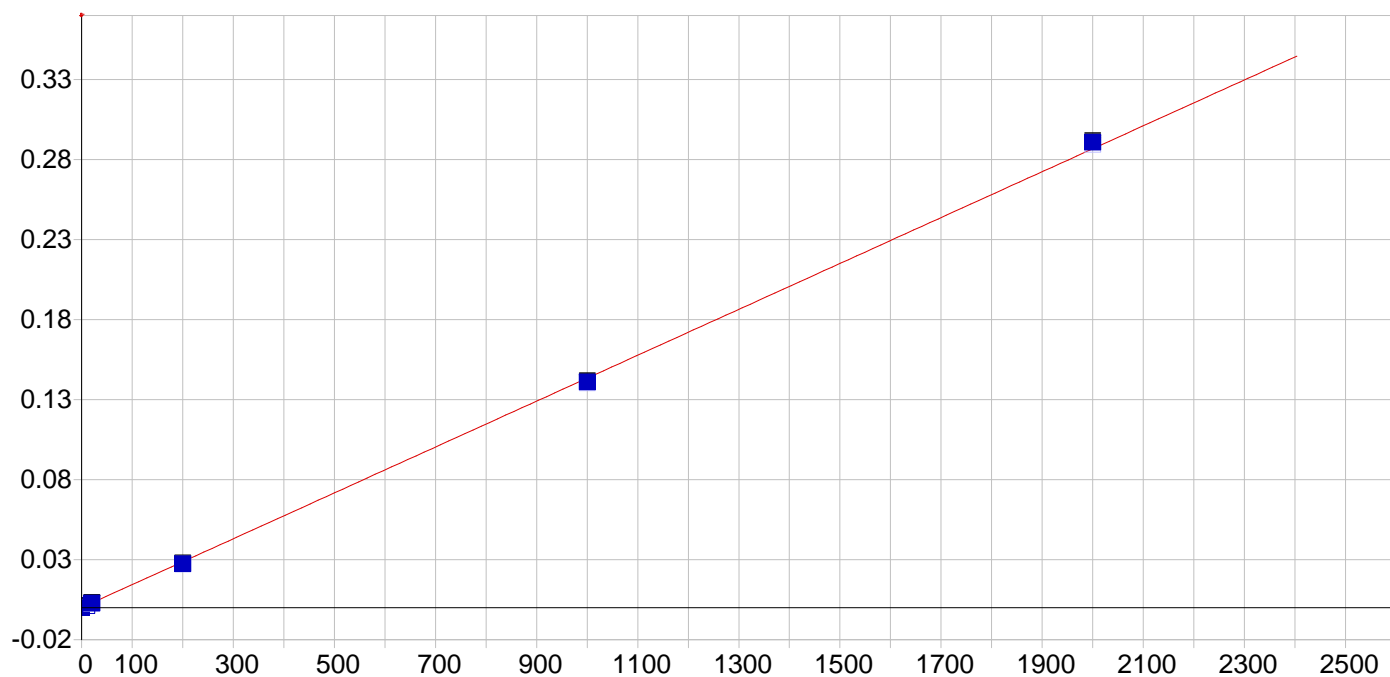
A0 (Offset): -0.000358 Re-Slope: 1.000000
 A1 (Gain): 0.000693 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999883 Status: OK.
 Std Error of Est: 0.000246
 Predicted MDL: 0.517503
 Predicted MQL: 1.725011

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00544		-.005	.000	-.00036	.000	1
CAL2	40.000		43.732		3.73	9.33	.02996	.000	1
CAL3	500.00		521.81		21.8	4.36	.36172	.000	1
CAL4	2500.0		2520.4		20.4	.816	1.7486	.002	1
CAL5	5000.0		4954.1		-45.9	-.919	3.4375	.007	1



Predicted MDL: 1.636507
 Predicted MQL: 5.455022

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00266	-.003	.000	.00007	.000	1
CAL2	10.000	11.906	1.91	19.1	.00248	.000	1
CAL3	1500.0	1559.9	59.9	4.00	.31686	.001	1
CAL4	7500.0	7544.4	44.4	.593	1.5323	.001	1
CAL5	15000.	14892.	-108.	-.719	3.0248	.009	1
CAL1	5.0000	6.5157	1.52	30.3	.00139	.000	1

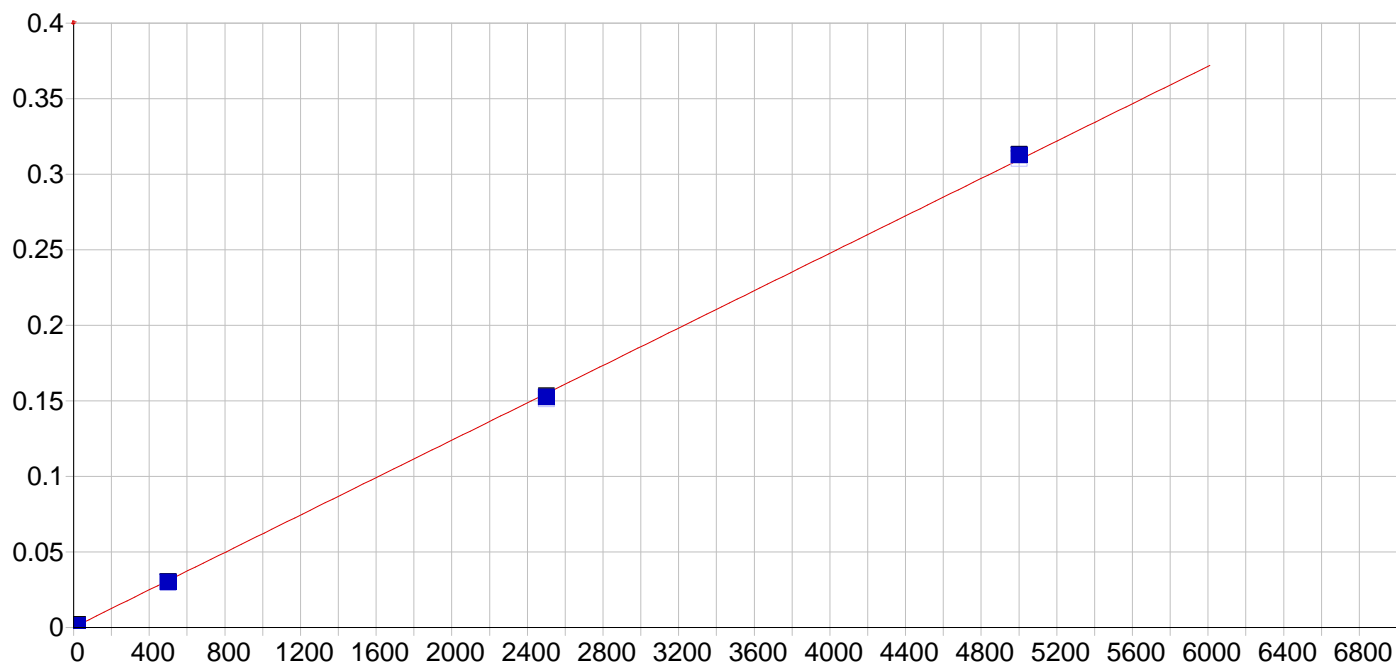


Sb 206.833 {463}

Date of Fit: 2/29/2016 9:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000052 Re-Slope: 1.000000
 A1 (Gain): 0.000143 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999760 Status: OK.
 Std Error of Est: 0.000022
 Predicted MDL: 1.806524
 Predicted MQL: 6.021746

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00289	.003	.000	.00005	.000	1
CAL2	20.000	19.082	-.918	-4.59	.00269	.000	1
CAL3	200.00	190.52	-9.48	-4.74	.02721	.000	1
CAL4	1000.0	983.78	-16.2	-1.62	.14032	.001	1
CAL5	2000.0	2028.5	28.5	1.43	.28934	.001	1
CAL1	10.000	8.0666	-1.93	-19.3	.00121	.000	1

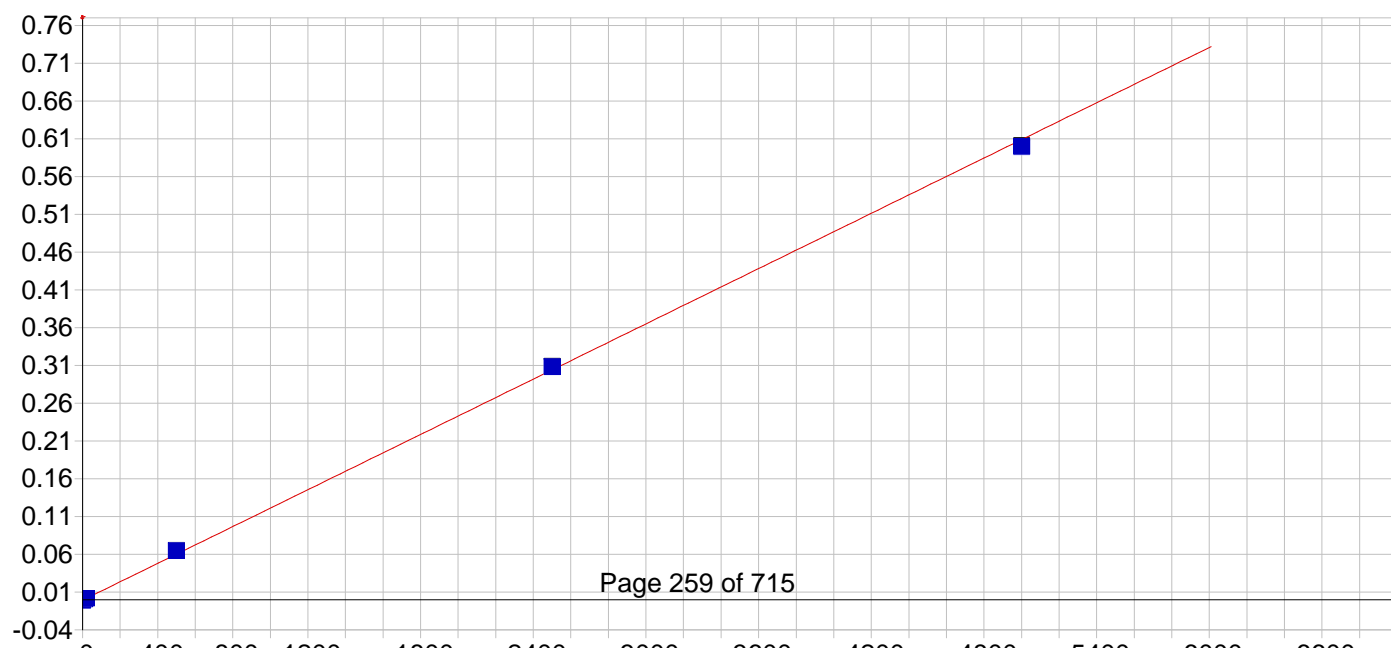


Se 196.090 {472}

Date of Fit: 2/29/2016 9:54:47 Type of Fit: Linear Weighting: 1/Conc

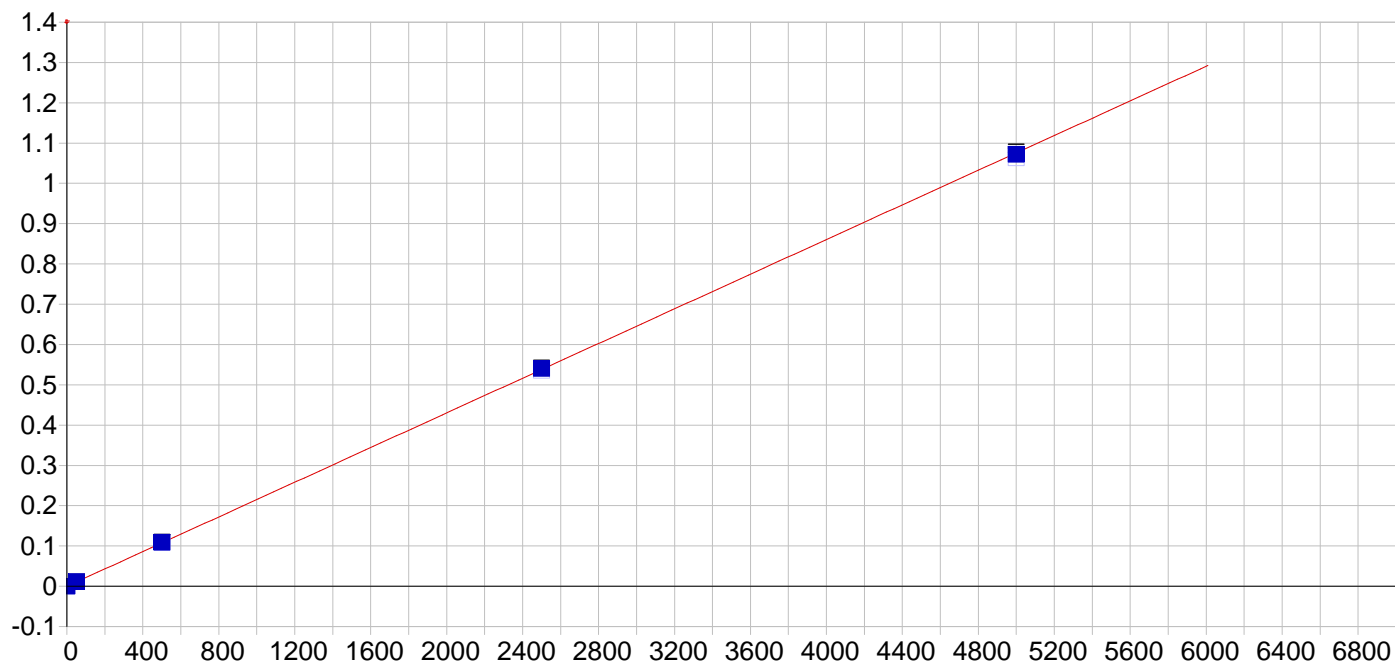
A0 (Offset): 0.000188 Re-Slope: 1.000000
 A1 (Gain): 0.000062 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999843 Status: OK.
 Std Error of Est: 0.000008
 Predicted MDL: 3.408300
 Predicted MQL: 11.360999

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00193		-.002	.000	.00019	.000	1
CAL2	20.000		22.327		2.33	11.6	.00157	.000	1
CAL3	500.00		482.90		-17.1	-3.42	.02982	.000	1
CAL4	2500.0		2461.3		-38.7	-1.55	.15126	.001	1
CAL5	5000.0		5051.9		51.9	1.04	.31033	.000	1
CAL1	5.0000		6.5465		1.55	30.9	.00059	.000	1



Std Error of Est: 0.000033
 Predicted MDL: 1.984196
 Predicted MQL: 6.613987

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00325	-.003	.000	-.00082	.000	1
CAL2	20.000	22.535	2.54	12.7	.00192	.000	1
CAL3	500.00	536.85	36.8	7.37	.06455	.000	1
CAL4	2500.0	2535.1	35.1	1.40	.30782	.000	1
CAL5	5000.0	4924.2	-75.8	-1.52	.59865	.001	1
CAL1	10.000	11.260	1.26	12.6	.00056	.000	1

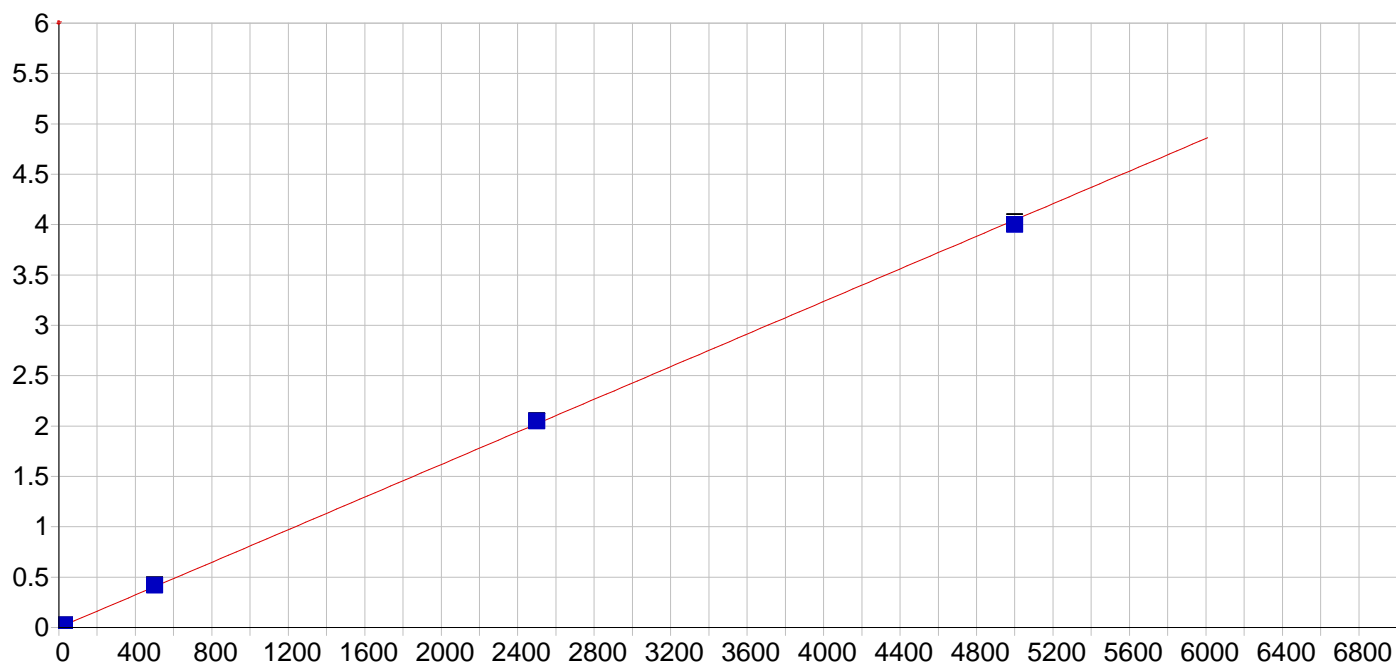


V 292.402 {115}

Date of Fit: 2/29/2016 9:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000049 Re-Slope: 1.000000
 A1 (Gain): 0.000215 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999987 Status: OK.
 Std Error of Est: 0.000028
 Predicted MDL: 0.469329
 Predicted MQL: 1.564430

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00199	-.002	.000	.00005	.000	1
CAL2	50.000	51.456	1.46	2.91	.01108	.000	1
CAL3	500.00	504.85	4.85	.969	.10779	.001	1
CAL4	2500.0	2511.0	11.0	.441	.53591	.001	1
CAL5	5000.0	4982.7	-17.3	-.347	1.0633	.006	1

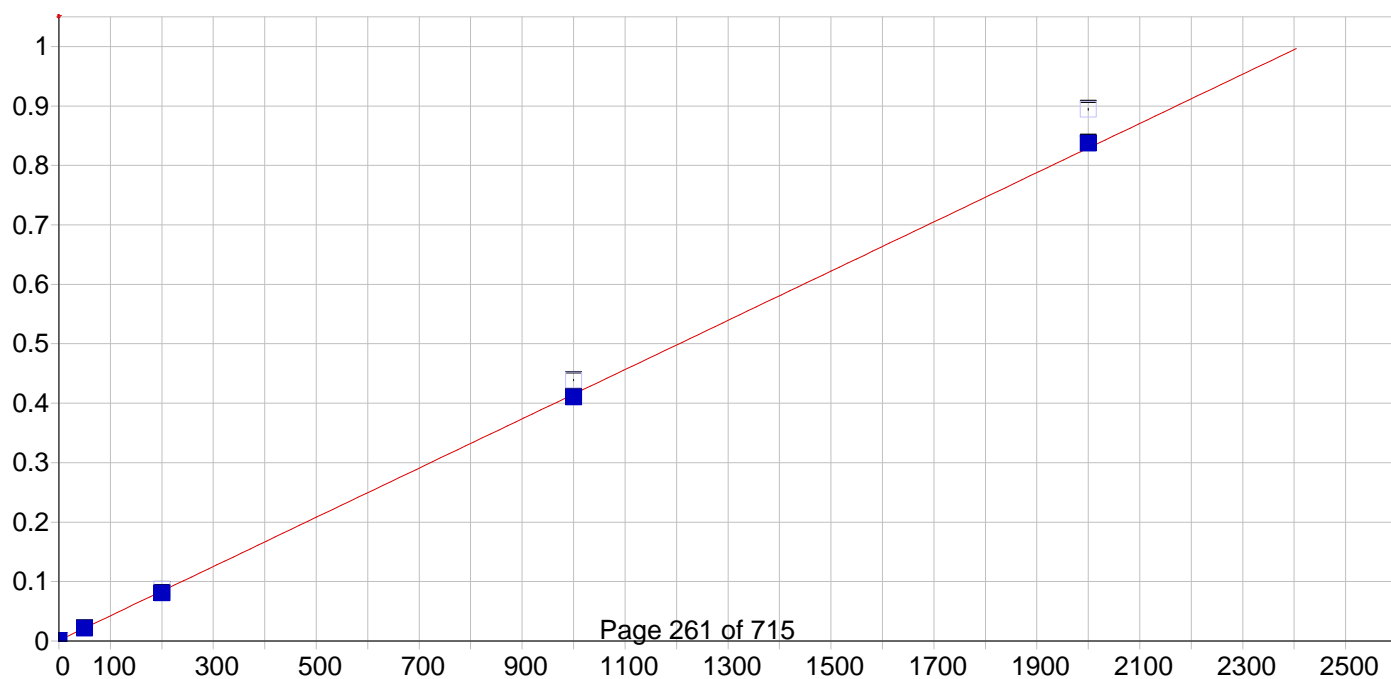


Zn 206.200 {463}

Date of Fit: 2/29/2016 9:54:47 Type of Fit: Linear Weighting: 1/Conc

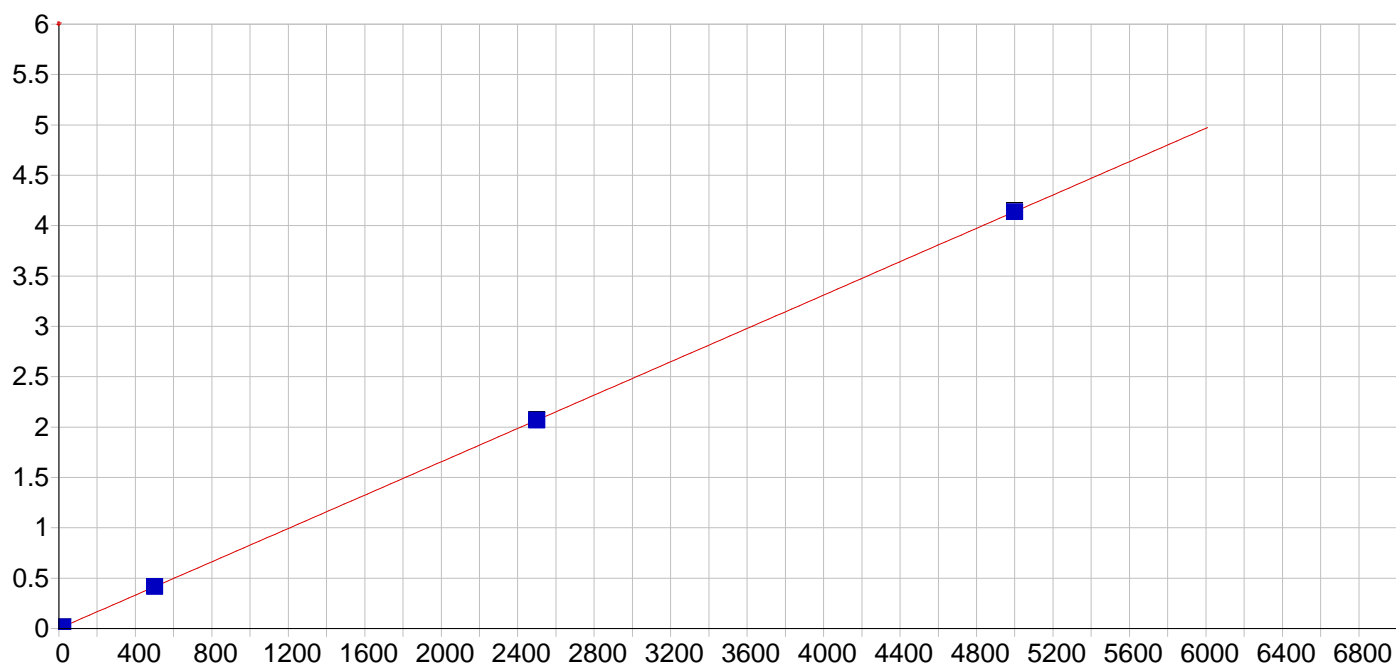
A0 (Offset): 0.000151 Re-Slope: 1.000000
 A1 (Gain): 0.000809 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999882 Status: OK.
 Std Error of Est: 0.000248
 Predicted MDL: 0.261650
 Predicted MQL: 0.872168

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00333		-.003	.000	.00015	.000	1
CAL2	30.000		32.103		2.10	7.01	.02612	.000	1
CAL3	500.00		519.37		19.4	3.87	.42004	.002	1
CAL4	2500.0		2532.2		32.2	1.29	2.0472	.001	1
CAL5	5000.0		4946.4		-53.6	-1.07	3.9989	.024	1



Predicted MDL: 0.597518
Predicted MQL: 1.991726

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00242		.002	.000	.00104	.000	1
CAL2	50.000		49.446		-.554	-1.11	.02174	.000	1
CAL3	200.00		192.90		-7.10	-3.55	.08663	.000	1
CAL4	1000.0		988.74		-11.3	-1.13	.43908	.001	1
CAL5	2000.0		2018.9		18.9	.944	.89426	.002	1

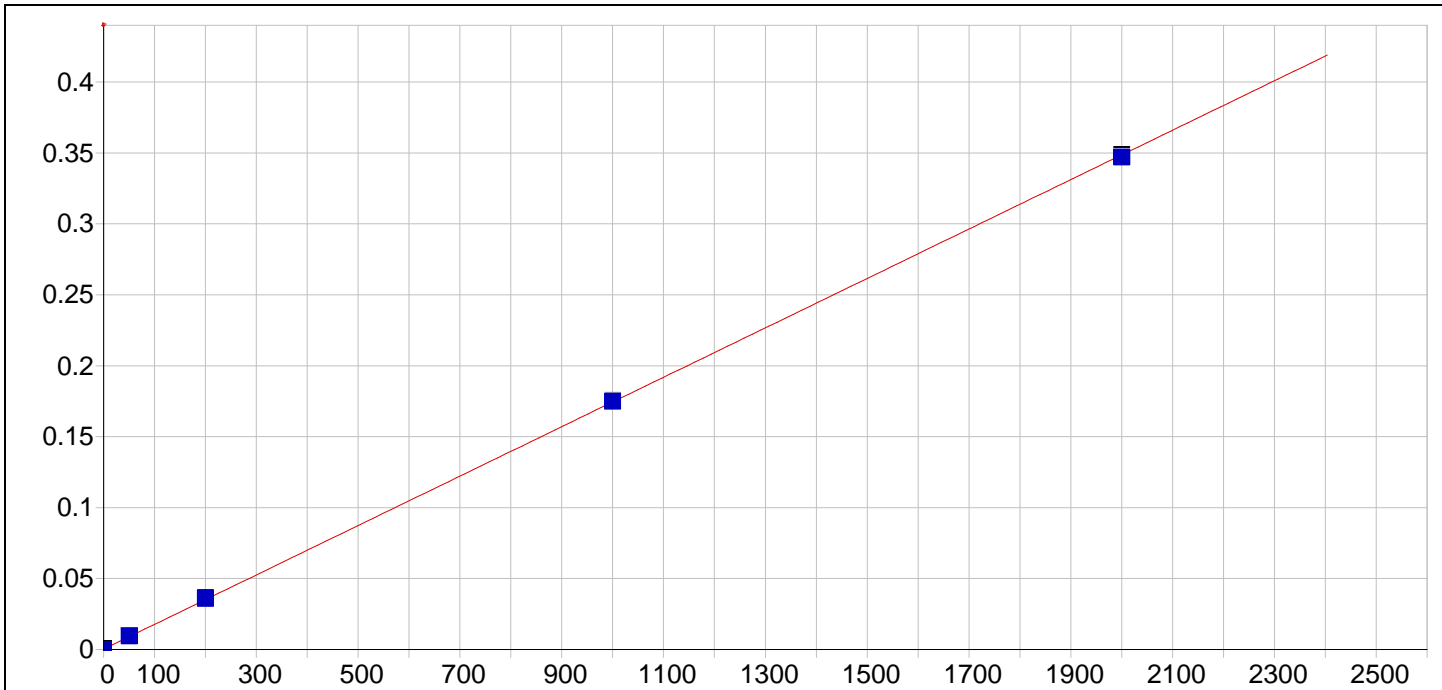


Mo 202.030 {467}

Date of Fit: 2/29/2016 9:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000412 Re-Slope: 1.000000
A1 (Gain): 0.000828 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999999 Status: OK.
Std Error of Est: 0.000016
Predicted MDL: 0.260233
Predicted MQL: 0.867443

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00003		-.000	.000	.00041	.000	1
CAL2	20.000		19.962		-.038	-.191	.01694	.000	1
CAL3	500.00		502.22		2.22	.443	.41591	.001	1
CAL4	2500.0		2498.0		-1.96	-.078	2.0671	.005	1
CAL5	5000.0		4999.8		-.219	-.004	4.1369	.011	1

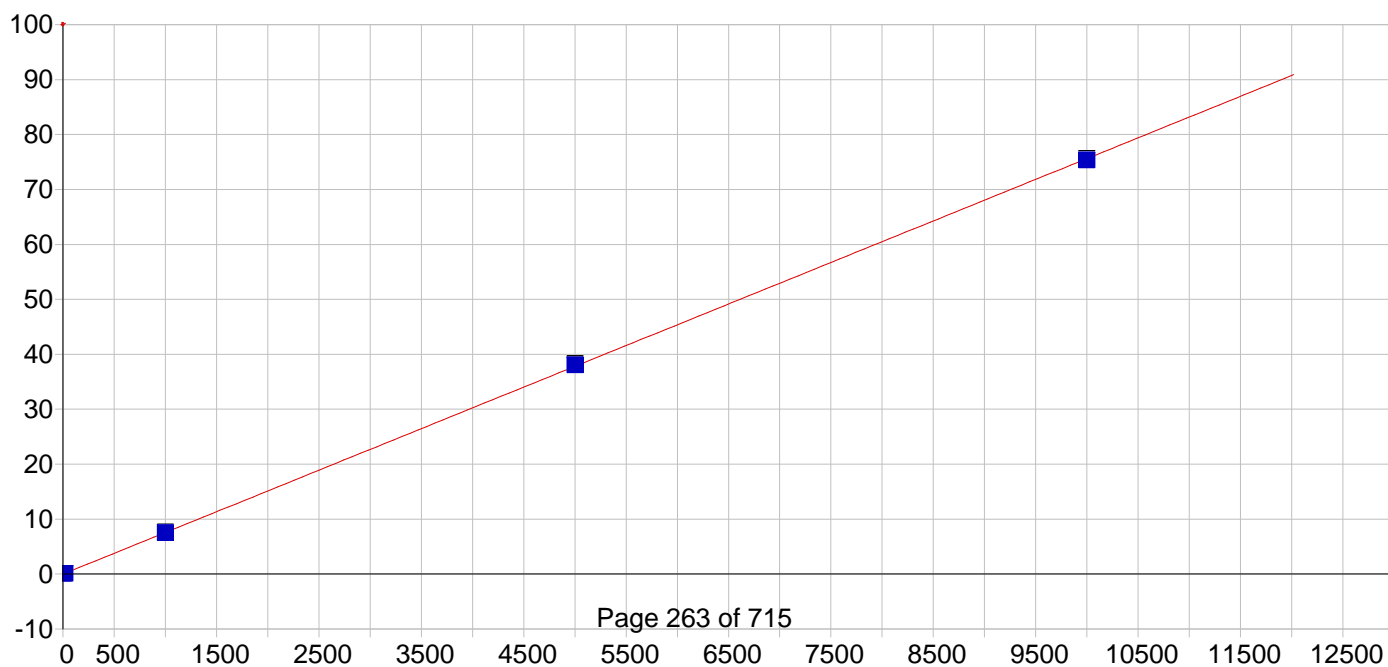


Sn 189.989 {477}

Date of Fit: 2/29/2016 9:54:47 Type of Fit: Linear Weighting: 1/Conc

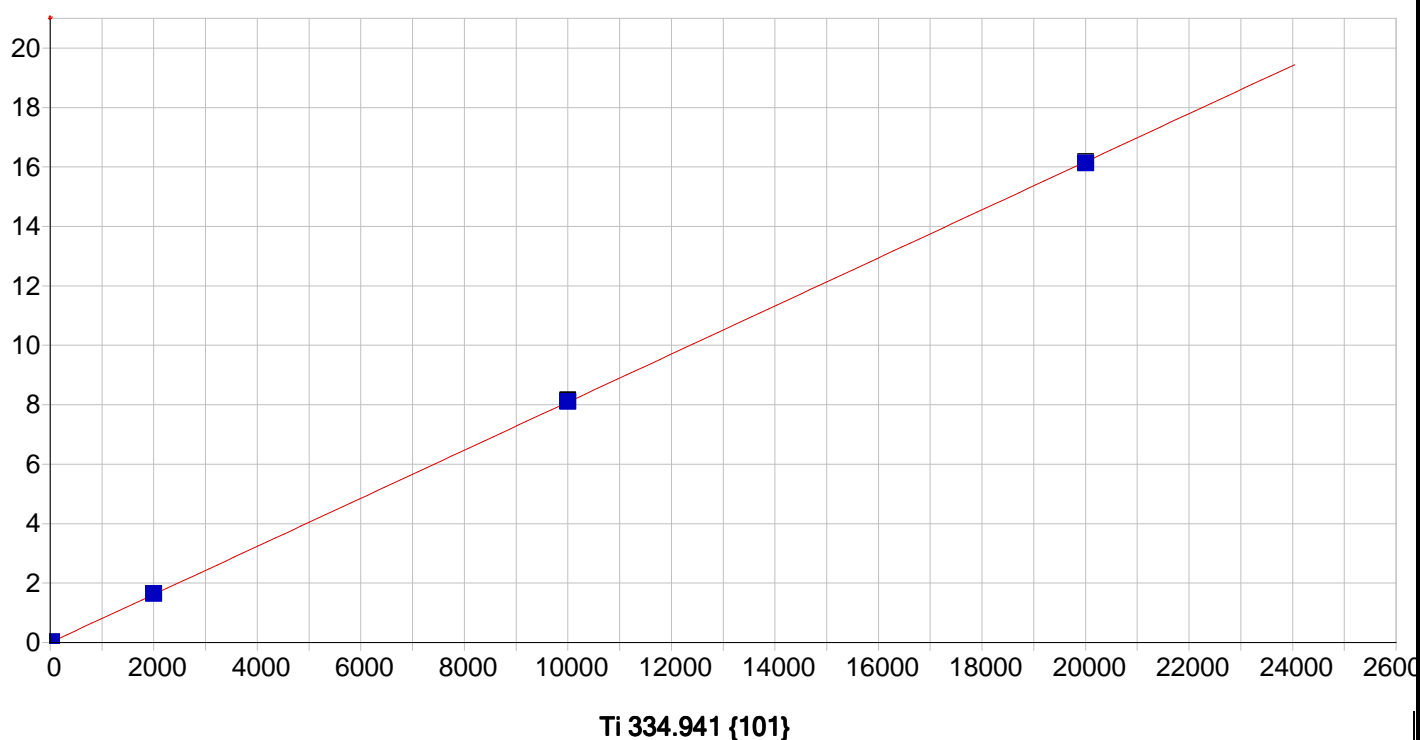
A0 (Offset): 0.000293 Re-Slope: 1.000000
 A1 (Gain): 0.000174 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999961 Status: OK.
 Std Error of Est: 0.000025
 Predicted MDL: 0.931251
 Predicted MQL: 3.104171

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-0.00329	-0.003	.000	.000	.00029	.000	1
CAL2	50.000		52.300	2.30	4.60	.00940	.000	.000	1
CAL3	200.00		204.32	4.32	2.16	.03593	.000	.000	1
CAL4	1000.0		1002.9	2.91	.291	.17521	.000	.000	1
CAL5	2000.0		1990.5	-9.53	-4.76	.34746	.001	.001	1



Predicted MDL: 0.118792
 Predicted MQL: 0.395972

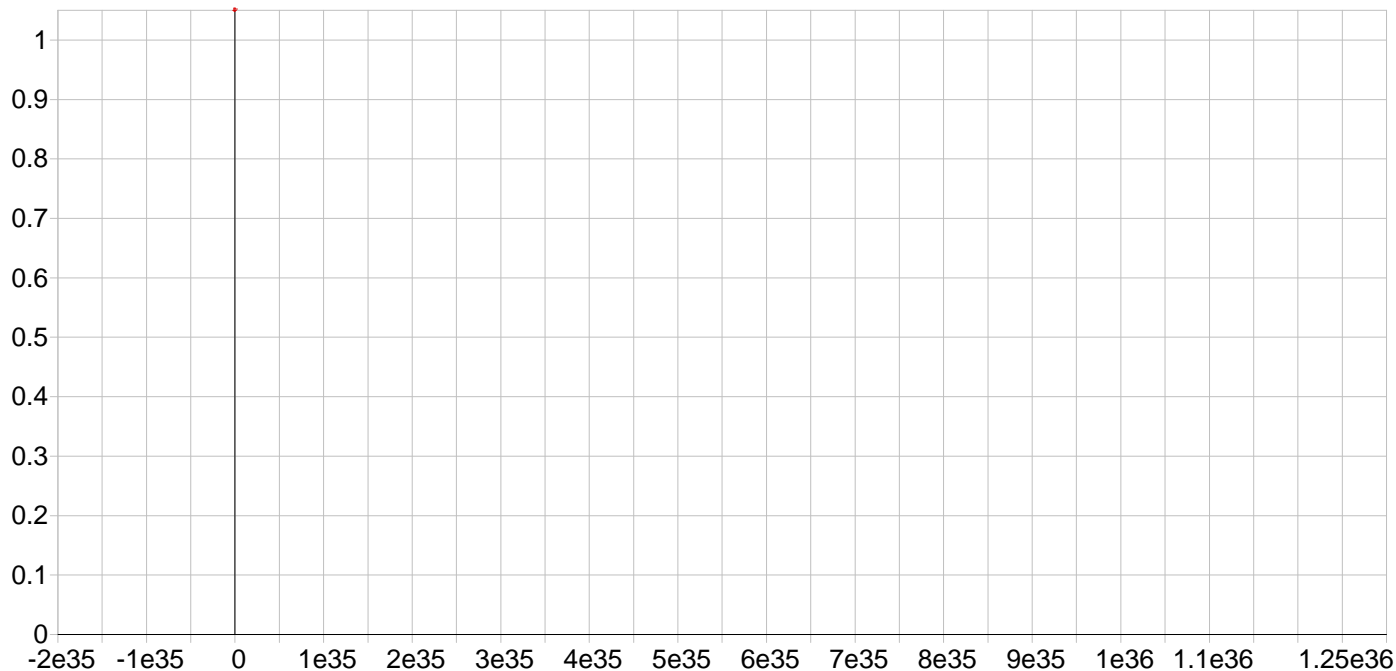
Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00045		-.000	.000	-.00198	.000	1
CAL2	20.000		20.425		.425	2.13	.15269	.001	1
CAL3	1000.0		997.53		-2.47	-.247	7.5448	.068	1
CAL4	5000.0		5033.9		33.9	.677	38.082	.150	1
CAL5	10000.		9968.2		-31.8	-.318	75.413	.182	1



Date of Fit: 2/29/2016 9:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000612 Re-Slope: 1.000000
 A1 (Gain): 0.000809 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999986 Status: OK.
 Std Error of Est: 0.000138
 Predicted MDL: 0.204367
 Predicted MQL: 0.681223

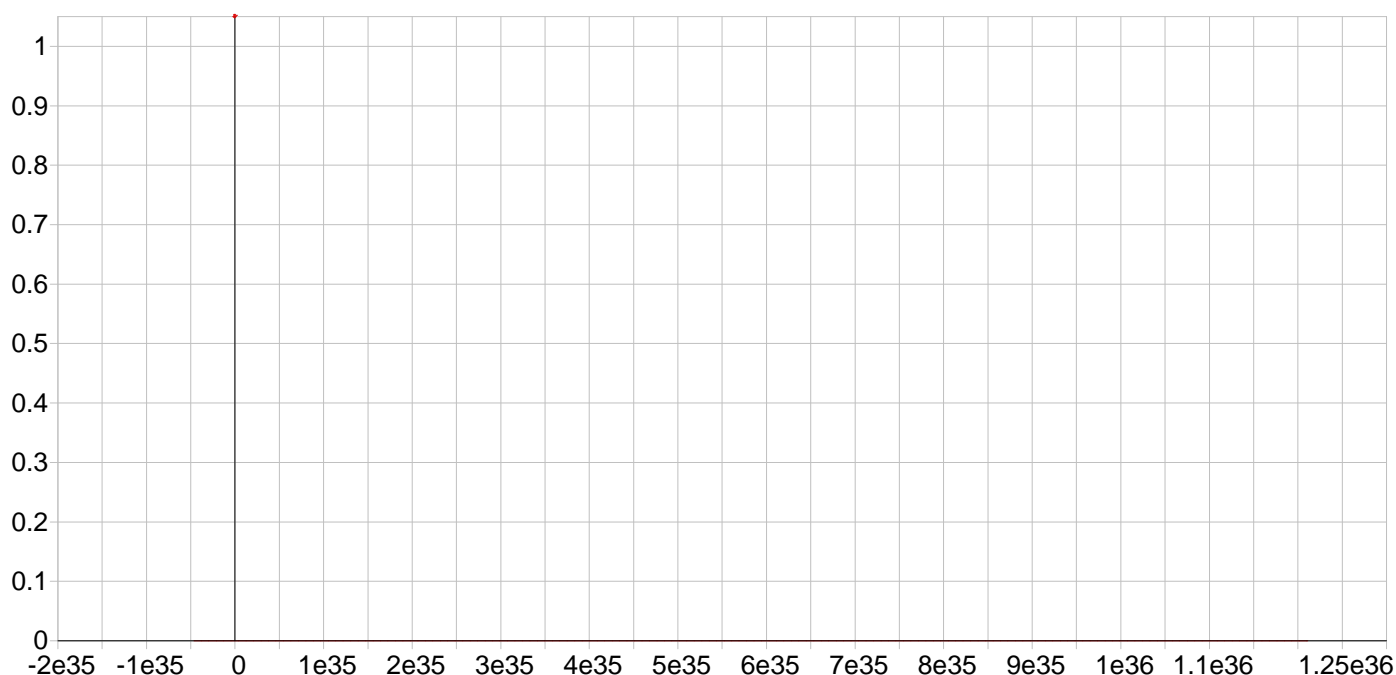
Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00092		-.001	.000	.00061	.000	1
CAL2	20.000		20.578		.578	2.89	.01726	.000	1
CAL3	2000.0		2035.5		35.5	1.78	1.6469	.005	1
CAL4	10000.		10023.		23.1	.231	8.1070	.048	1
CAL5	20000.		19941.		-59.2	-.296	16.128	.035	1



Y 224.306 {450}*
Date of Fit: 2/29/2016 9:29:25 Type of Fit: Linear Weighting: 1/Conc

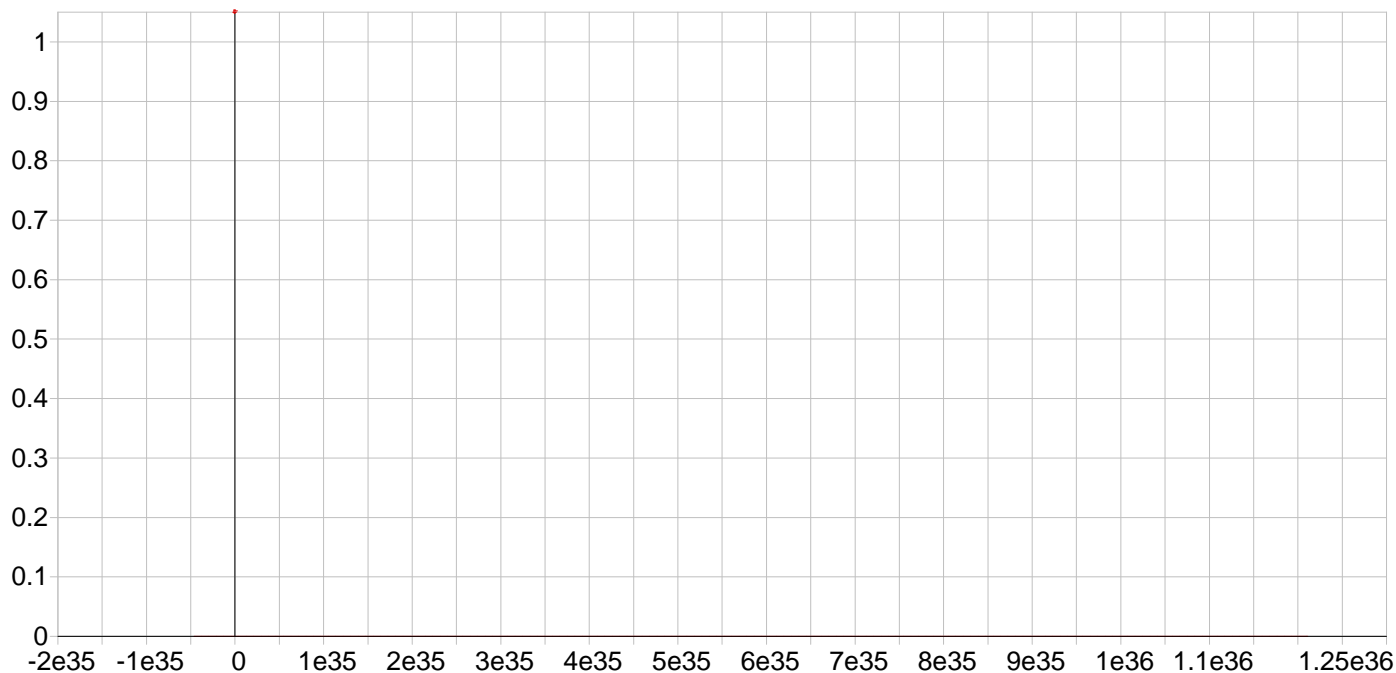
A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	183.492520		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Y 360.073 { 94}*
Date of Fit: 2/29/2016 9:29:25 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000



Y 371.030 { 91}*

Date of Fit: 2/29/2016 9:29:25

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

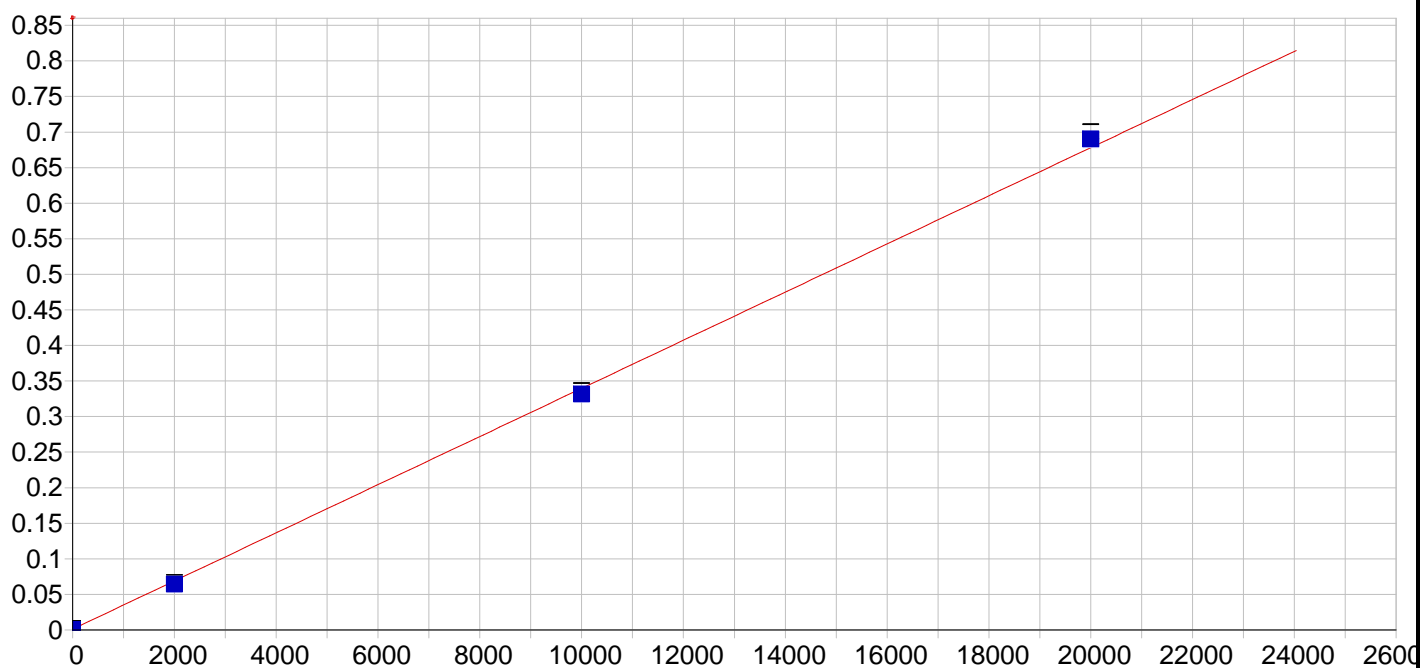
Zero Gain

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: 2/29/2016 9:54:47

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.001256

Re-Slope: 1.000000

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.13909		.139	.000	.00126	.001	1
CAL5	20000.		20359.		359.	1.79	.68916	.010	1
CAL3	2000.0		1871.0		-129.	-6.45	.06447	.002	1
CAL4	10000.		9770.3		-230.	-2.30	.33137	.004	1

Sample Name: ICIS Cal Blk Acquired: 2/29/2016 9:32:19 Type: Cal
Method: sw02152016 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	-.0005	-.0004	-.0004	.0004	.0004	-.0006
Stddev	.0004	.0002	.0001	.0002	.0001	.0001
%RSD	85.20	35.93	31.83	52.37	35.81	18.57

#1	-.0002	-.0004	-.0003	.0002	.0005	-.0007
#2	-.0002	-.0006	-.0005	.0004	.0002	-.0006
#3	-.0010	-.0003	-.0003	.0005	.0004	-.0005

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.0007	.0000	.0000	.0025	.0001	-.0002
Stddev	.0002	.0002	.0000	.0001	.0000	.0007
%RSD	33.06	812.9	155.1	5.934	73.89	360.0

#1	-.0005	.0003	-.0000	.0026	.0000	.0000
#2	-.0005	-.0001	.0001	.0023	.0001	-.0010
#3	-.0009	-.0001	.0000	.0025	.0000	.0004

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	.0001	.0042	-.0004	.0001	.0001
Stddev	.0000	.0001	.0007	.0001	.0002	.0001
%RSD	321.2	37.79	16.65	31.55	278.2	116.6

#1	.0000	.0001	.0044	-.0003	.0002	.0001
#2	-.0000	.0001	.0034	-.0003	-.0001	.0000
#3	.0000	.0002	.0047	-.0005	.0001	.0000

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	-.0008	.0000	.0001	.0010	.0004
Stddev	.0002	.0001	.0000	.0001	.0002	.0002
%RSD	94.84	11.59	101.0	71.83	14.77	41.58

#1	.0001	-.0007	.0001	.0002	.0010	.0006
#2	.0004	-.0009	.0000	.0003	.0012	.0004
#3	.0001	-.0009	.0000	.0000	.0009	.0003

Sample Name: ICIS Cal Blk Acquired: 2/29/2016 9:32:19 Type: Cal
Method: sw02152016 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	.0003	-.0020	.0006	.0013
Stddev	.0001	.0003	.0001	.0006
%RSD	37.06	16.92	20.05	45.40

#1	.0004	-.0017	.0006	.0012
#2	.0002	-.0024	.0007	.0007
#3	.0003	-.0019	.0005	.0019

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3010.7	37603.	5124.1
Stddev	17.3	293.	30.3
%RSD	.57611	.77870	.59088

#1	2998.2	37265.	5101.8
#2	3003.3	37791.	5158.6
#3	3030.5	37752.	5112.1

Sample Name: CAL1 Acquired: 2/29/2016 9:36:19 Type: Cal
Method: sw02152016 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	-.0001	.0014	.0012	.0006	.0006
Stddev	.0002	.0002	.0002	.0001	.0001
%RSD	399.9	15.78	17.21	20.00	16.75

#1	-.0003	.0014	.0011	.0006	.0005
#2	.0000	.0012	.0011	.0005	.0005
#3	.0001	.0016	.0014	.0007	.0007

Int. Std.	Y_2243
Line	224.306 {450}
Units	Cts/S
Avg	2995.1
Stddev	15.8
%RSD	.52594

#1	3013.2
#2	2987.7
#3	2984.5

Sample Name: CAL3 Acquired: 2/29/2016 9:44:08 Type: Cal
Method: sw02152016 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	.8023	.0346	.0566	4.420	.6866	.5279
Stddev	.0091	.0001	.0003	.003	.0085	.0022
%RSD	1.134	.1677	.5979	.0610	1.239	.4161

#1	.7922	.0346	.0562	4.418	.6772	.5266
#2	.8098	.0346	.0567	4.423	.6937	.5304
#3	.8050	.0347	.0568	4.420	.6890	.5267

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.7419	.5614	.1390	.9451	.1358	.5802
Stddev	.0012	.0009	.0007	.0018	.0005	.0052
%RSD	.1600	.1562	.4897	.1946	.3705	.8985

#1	.7406	.5605	.1385	.9429	.1353	.5742
#2	.7430	.5615	.1398	.9459	.1363	.5838
#3	.7420	.5622	.1387	.9463	.1359	.5825

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.4093	1.021	4.785	.3617	.3169	.0272
Stddev	.0018	.004	.036	.0004	.0011	.0003
%RSD	.4431	.3538	.7586	.1203	.3330	1.261

#1	.4092	1.018	4.749	.3613	.3157	.0275
#2	.4112	1.025	4.822	.3622	.3173	.0268
#3	.4076	1.020	4.784	.3616	.3176	.0273

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	.0298	.0645	.1078	.4200	.0866	.4159
Stddev	.0002	.0002	.0006	.0015	.0000	.0006
%RSD	.5452	.3629	.5498	.3628	.0424	.1358

#1	.0298	.0645	.1072	.4190	.0866	.4153
#2	.0300	.0648	.1084	.4218	.0866	.4164
#3	.0297	.0643	.1078	.4193	.0867	.4160

Sample Name: CAL3 Acquired: 2/29/2016 9:44:08 Type: Cal
 Method: sw02152016 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	.0359	7.545	1.647	.0645
Stddev	.0003	.068	.005	.0018
%RSD	.8269	.8968	.3160	2.735

#1	.0362	7.478	1.641	.0646
#2	.0359	7.614	1.651	.0661
#3	.0357	7.542	1.648	.0626

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2947.4	36924.	5119.1
Stddev	20.5	322.	54.0
%RSD	.69398	.87207	1.0550

#1	2939.1	36828.	5143.5
#2	2932.4	36660.	5156.5
#3	2970.7	37282.	5057.2

Sample Name: CAL2 Acquired: 2/29/2016 9:40:21 Type: Cal
Method: sw02152016 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	.0070	.0006	.0019	.4615	.0073	.1078
Stddev	.0002	.0001	.0001	.0012	.0002	.0006
%RSD	3.388	11.42	3.850	.2502	2.611	.5460

#1	.0071	.0007	.0019	.4611	.0075	.1072
#2	.0067	.0006	.0018	.4607	.0071	.1081
#3	.0072	.0005	.0019	.4628	.0072	.1083

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0116	.0583	.0015	.0120	.0011	.2920
Stddev	.0001	.0001	.0000	.0001	.0000	.0016
%RSD	1.189	.1951	2.955	1.189	1.269	.5520

#1	.0114	.0581	.0015	.0119	.0011	.2904
#2	.0117	.0583	.0015	.0121	.0011	.2921
#3	.0116	.0584	.0016	.0122	.0012	.2936

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.0850	.0161	.9814	.0300	.0025	.0027
Stddev	.0006	.0002	.0016	.0003	.0004	.0002
%RSD	.7262	1.047	.1591	.9182	15.64	7.505

#1	.0843	.0159	.9807	.0301	.0027	.0029
#2	.0855	.0161	.9832	.0301	.0020	.0027
#3	.0853	.0162	.9803	.0296	.0027	.0025

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	.0016	.0019	.0111	.0261	.0217	.0169
Stddev	.0001	.0002	.0002	.0002	.0001	.0003
%RSD	7.898	11.32	1.377	.8410	.6312	1.803

#1	.0016	.0020	.0109	.0259	.0219	.0166
#2	.0015	.0021	.0112	.0263	.0216	.0170
#3	.0017	.0017	.0112	.0262	.0217	.0172

Sample Name: CAL2 Acquired: 2/29/2016 9:40:21 Type: Cal
 Method: sw02152016 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	.0094	.1527	.0173
Stddev	.0003	.0011	.0001
%RSD	3.130	.6952	.5851

#1	.0096	.1535	.0174
#2	.0091	.1530	.0172
#3	.0096	.1515	.0172

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2965.5	37160.	5093.4
Stddev	9.5	233.	19.7
%RSD	.32075	.62676	.38641

#1	2976.2	37419.	5113.4
#2	2962.5	37092.	5074.1
#3	2958.0	36968.	5092.8

Sample Name: icv 4140568 Acquired: 2/29/2016 9:54:58 Type: QC
Method: sw02152016 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	124600.	2479.	1241.	10100.	1005.	125900.
Stddev	382.	5.	5.	17.	4.	529.
%RSD	.3068	.2195	.4020	.1706	.4180	.4204

#1	124200.	2473.	1245.	10090.	1001.	126500.
#2	124900.	2479.	1244.	10100.	1005.	125500.
#3	124800.	2484.	1236.	10120.	1010.	125600.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1261.	2522.	5048.	12470.	101600.	49820.
Stddev	2.	3.	14.	28.	374.	224.
%RSD	.1241	.1376	.2790	.2209	.3680	.4499

#1	1259.	2518.	5062.	12490.	102000.	49620.
#2	1261.	2522.	5034.	12480.	101600.	49780.
#3	1262.	2525.	5048.	12440.	101300.	50060.

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	125100.	5097.	125100.	2530.	7582.	989.4
Stddev	509.	14.	418.	6.	14.	1.7
%RSD	.4068	.2767	.3342	.2362	.1817	.1754

#1	125700.	5114.	125000.	2524.	7568.	988.1
#2	124700.	5092.	124700.	2530.	7581.	991.4
#3	125000.	5087.	125500.	2536.	7596.	988.8

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

Sample Name: icv 4140568 Acquired: 2/29/2016 9:54:58 Type: QC
Method: sw02152016 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	2475.	2542.	2524.	2526.	1002.	2512.
Stddev	15.	9.	4.	3.	3.	5.
%RSD	.6063	.3463	.1455	.1249	.3370	.1955

#1	2464.	2545.	2529.	2522.	999.6	2506.
#2	2470.	2550.	2523.	2527.	1001.	2513.
#3	2493.	2533.	2522.	2528.	1006.	2516.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1008.	5041.	10150.	9912.
Stddev	4.	12.	44.	113.
%RSD	.3551	.2439	.4360	1.139

#1	1005.	5028.	10200.	9836.
#2	1007.	5044.	10110.	10040.
#3	1012.	5052.	10150.	9858.

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	2782.3	35191.	5095.7
Stddev	6.8	360.	46.3
%RSD	.24285	1.0227	.90850

#1	2778.0	34783.	5068.0
#2	2778.8	35464.	5149.2
#3	2790.1	35325.	5070.0

Sample Name: CAL4 Acquired: 2/29/2016 9:47:42 Type: Cal
Method: sw02152016 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	4.058	.1801	.2896	21.78	3.417	2.639
Stddev	.029	.0001	.0005	.03	.012	.004
%RSD	.7242	.0794	.1707	.1312	.3487	.1431

#1	4.025	.1801	.2891	21.77	3.404	2.636
#2	4.067	.1801	.2901	21.77	3.428	2.638
#3	4.082	.1799	.2896	21.82	3.419	2.643

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	3.612	2.727	.6794	4.861	.6552	2.987
Stddev	.003	.005	.0015	.012	.0001	.018
%RSD	.0861	.1756	.2192	.2373	.0092	.6108

#1	3.613	2.726	.6777	4.848	.6552	2.967
#2	3.608	2.723	.6804	4.871	.6552	2.993
#3	3.614	2.733	.6801	4.863	.6553	3.002

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.070	4.988	24.34	1.749	1.532	.1403
Stddev	.002	.006	.13	.002	.001	.0006
%RSD	.1151	.1115	.5186	.1314	.0867	.4010

#1	2.068	4.982	24.20	1.751	1.531	.1410
#2	2.073	4.988	24.43	1.746	1.532	.1402
#3	2.069	4.993	24.41	1.748	1.534	.1399

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	.1513	.3078	.5359	2.047	.4391	2.067
Stddev	.0006	.0003	.0007	.001	.0011	.005
%RSD	.4220	.1121	.1362	.0654	.2540	.2363

#1	.1520	.3082	.5351	2.046	.4395	2.062
#2	.1510	.3078	.5362	2.047	.4378	2.067
#3	.1508	.3075	.5364	2.048	.4399	2.072

Sample Name: CAL4 Acquired: 2/29/2016 9:47:42 Type: Cal
Method: sw02152016 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	.1752	38.08	8.107	.3314
Stddev	.0002	.15	.048	.0042
%RSD	.1275	.3940	.5921	1.281

#1	.1750	37.92	8.082	.3268
#2	.1754	38.21	8.077	.3352
#3	.1752	38.12	8.162	.3321

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2788.1	35423.	5035.5
Stddev	15.0	182.	36.8
%RSD	.53866	.51389	.73142

#1	2805.4	35495.	5024.6
#2	2779.6	35557.	5076.5
#3	2779.3	35216.	5005.3

Sample Name: icsa 4079387 Acquired: 2/29/2016 10:06:24 Type: QC
Method: sw02152016 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	492000.	.8720	-.3227	-.8542	-.1064	505200.
Stddev	3152.	5.177	.1037	.0990	.0576	1464.
%RSD	.6406	593.7	32.13	11.58	54.13	.2898

#1	489500.	-3.833	-.3604	-.8156	-.0404	504000.
#2	491000.	6.419	-.4022	-.7804	-.1319	504900.
#3	495500.	.0299	-.2054	-.9667	-.1468	506800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.4172	-3.352	-1.612	-2.891	194800.	-66.64
Stddev	.3114	.023	.613	.427	774.	30.31
%RSD	74.64	.6744	38.00	14.77	.3974	45.48

#1	-.1284	-3.370	-2.302	-3.248	194600.	-101.1
#2	-.3762	-3.327	-1.405	-3.008	194200.	-54.84
#3	-.7471	-3.360	-1.130	-2.418	195700.	-44.00

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	515400.	-4.400	-52.25	-.6234	-1.975	1.733
Stddev	659.	.095	8.81	.4348	2.362	1.977
%RSD	.1278	2.166	16.87	69.75	119.6	114.1

#1	515300.	-4.471	-62.26	-.4839	-4.530	3.696
#2	514800.	-4.292	-48.85	-1.111	.1289	-.2583
#3	516100.	-4.438	-45.65	-.2755	-1.524	1.761

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

Sample Name: icsa 4079387 Acquired: 2/29/2016 10:06:24 Type: QC
Method: sw02152016 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.374	-3.826	3.016	-3.105	-9.757	-3.183
Stddev	2.567	1.687	.416	.315	.232	.6270
%RSD	76.08	44.10	13.80	10.15	2.381	196.9
#1	.4129	-4.134	2.996	-3.107	-9.648	-1.022
#2	4.741	-2.006	3.442	-3.419	-10.02	.1800
#3	4.969	-5.339	2.611	-2.789	-9.600	-.1128

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	2.477	-1.701	-1.903	1.519
Stddev	1.192	.142	.143	7.995
%RSD	48.12	8.343	7.502	526.3
#1	2.683	-1.538	-1.949	10.71
#2	3.554	-1.795	-2.017	-2.338
#3	1.196	-1.770	-1.743	-3.816

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2694.2	33483.	5090.9
Stddev	1.6	172.	51.6
%RSD	.06100	.51419	1.0127
#1	2692.3	33665.	5141.6
#2	2694.9	33461.	5092.4
#3	2695.3	33323.	5038.6

Sample Name: int-10a 4140672 Acquired: 2/29/2016 10:14:02 Type: QC
Method: sw02152016 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	23.42	2.138	13.31	8.613	5.076	20.81
Stddev	43.41	1.887	.19	.061	.132	27.67
%RSD	185.4	88.26	1.393	.7122	2.599	132.9
#1	-15.47	.8005	13.46	8.669	5.197	3.440
#2	70.26	1.318	13.10	8.623	4.935	6.284
#3	15.46	4.297	13.37	8.547	5.094	52.72

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5635	10360.	1.160	-.3506	173.9	-22.58
Stddev	.1212	20.	.454	.2531	13.2	18.96
%RSD	21.51	.1966	39.09	72.19	7.603	83.96
#1	-.6774	10350.	.6629	-.2499	173.9	-10.11
#2	-.5770	10350.	1.551	-.1633	160.7	-13.24
#3	-.4362	10390.	1.268	-.6385	187.1	-44.40

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.61	-.1878	5.676	2.384	-2.242	-6.524
Stddev	27.92	.0233	10.96	.394	1.075	.169
%RSD	135.5	12.38	193.1	16.52	47.95	2.594
#1	3.355	-.2058	16.98	2.799	-2.801	-6.556
#2	5.653	-.1615	4.944	2.336	-2.923	-6.675
#3	52.82	-.1960	-4.898	2.016	-1.003	-6.341

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

Sample Name: int-10a 4140672 Acquired: 2/29/2016 10:14:02 Type: QC
Method: sw02152016 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	.3253	15.97	F 9790.	-.3211	-7.413	-3.147
Stddev	2.569	1.62	22.	.4073	.184	.111
%RSD	789.9	10.13	.2270	126.8	2.477	3.526
#1	2.469	14.60	9781.	-.1727	-7.260	-3.110
#2	-2.523	15.56	9815.	-.0088	-7.363	-3.272
#3	1.029	17.75	9773.	-.7817	-7.617	-3.060
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	10100.	9700.	-.9591	8788.
Stddev	26.	66.	.1090	114.
%RSD	.2554	.6783	11.36	1.298
#1	10070.	9744.	-.9548	8793.
#2	10100.	9625.	-.8524	8900.
#3	10120.	9732.	-1.070	8672.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3000.4	37794.	5113.1
Stddev	7.4	189.	60.3
%RSD	.24542	.49950	1.1797
#1	3001.2	37778.	5153.7
#2	2992.7	37614.	5141.9
#3	3007.3	37990.	5043.8

Sample Name: int-10b 4140674 Acquired: 2/29/2016 10:17:53 Type: QC
Method: sw02152016 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	19.56	17.67	-8099	.4028	.0014	-8.138
Stddev	14.54	2.15	.5129	.0605	.0858	5.748
%RSD	74.34	12.17	63.33	15.03	5935.	70.63
#1	24.38	19.04	-1.145	.3449	.0688	-1.502
#2	31.09	15.19	-1.065	.4657	-.0951	-11.36
#3	3.223	18.78	-.2195	.3978	.0306	-11.55

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8204	.6068	10450.	9642.	-41.56	-5.853
Stddev	.0543	.3067	25.	11.	4.35	31.32
%RSD	6.618	50.53	.2397	.1129	10.47	535.1
#1	-.8829	.2528	10420.	9637.	-38.46	1.313
#2	-.7844	.7812	10470.	9634.	-39.68	-40.14
#3	-.7939	.7865	10460.	9654.	-46.53	21.26

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	64.05	10200.	18.01	11120.	-6.093	-2.352
Stddev	3.63	57.	5.80	18.	2.445	.258
%RSD	5.674	.5603	32.22	.1590	40.13	10.95
#1	59.91	10200.	12.16	11100.	-3.878	-2.055
#2	66.69	10140.	18.10	11140.	-8.716	-2.511
#3	65.55	10250.	23.77	11130.	-5.684	-2.490

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

Sample Name: int-10b 4140674 Acquired: 2/29/2016 10:17:53 Type: QC
Method: sw02152016 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	-5.310	5.945	4.170	-6.041	-1.687	5124.
Stddev	2.454	2.767	.410	.188	1.316	10.
%RSD	46.22	46.55	9.838	3.119	77.99	.1939
#1	-6.802	2.936	4.216	-5.991	-2.990	5115.
#2	-6.650	6.518	3.738	-6.249	-1.714	5134.
#3	-2.478	8.381	4.555	-5.882	-3.582	5122.

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	.5443	3.267	9790.	-7.685
Stddev	.8036	5.521	86.	20.29
%RSD	147.6	169.0	.8792	264.1
#1	1.037	9.642	9763.	10.42
#2	-.3830	.1040	9721.	-29.62
#3	.9789	.0558	9886.	-3.846

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2889.1	37663.	5151.5
Stddev	5.4	165.	44.5
%RSD	.18699	.43853	.86348
#1	2893.9	37643.	5111.1
#2	2890.3	37838.	5199.2
#3	2883.2	37509.	5144.2

Sample Name: MB 460-353002/1-A Acquired: 2/29/2016 10:21:57 Type: QC
Method: sw02152016 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	12.04	.1392	.3028	-.0996	.0169	.9400
Stddev	17.28	1.037	.2099	.0788	.1555	3.485
%RSD	143.5	745.4	69.30	79.18	919.8	370.8
#1	-6.217	-.1520	.1003	-.1848	-.0698	1.504
#2	28.14	-.7215	.5193	-.0293	.1964	4.109
#3	14.20	1.291	.2889	-.0846	-.0759	-2.793

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.1237	.1561	.3446	.0288	-2.042	-28.58
Stddev	.0447	.5513	.7021	.0381	7.176	22.68
%RSD	36.09	353.2	203.7	132.2	351.3	79.38
#1	-.1370	.7860	-.3040	-.0143	1.836	-11.44
#2	-.1602	-.2386	.2478	.0581	2.360	-54.30
#3	-.0739	-.0792	1.090	.0427	-10.32	-19.99

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.416	.1972	-1.256	.9291	-.9030	-1.620
Stddev	1.937	.0788	1.230	.8011	.3774	.599
%RSD	43.86	39.97	97.93	86.23	41.79	36.95
#1	3.085	.1062	-.7220	1.798	-1.144	-2.305
#2	3.524	.2444	-.3829	.7702	-1.097	-1.361
#3	6.638	.2411	-2.662	.2193	-.4681	-1.195

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

Sample Name: MB 460-353002/1-A Acquired: 2/29/2016 10:21:57 Type: QC
Method: sw02152016 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	1.210	1.111	-.4197	.5343	-.2582	2.533
Stddev	.743	1.936	.4084	.0820	.6919	2.069
%RSD	61.41	174.3	97.30	15.35	267.9	81.69
#1	.4619	-1.078	-.8801	.6280	-.6210	4.838
#2	1.220	1.807	-.1011	.4752	-.6933	1.923
#3	1.948	2.602	-.2780	.4998	.5396	.8374

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	-.0599	1.375	.4004	10.55
Stddev	.5448	2.319	.1356	6.72
%RSD	910.0	168.7	33.86	63.73
#1	-.2925	4.051	.4833	4.537
#2	-.4497	.1181	.4739	17.81
#3	.5626	-.0449	.2439	9.301

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	2962.8	37046.	5034.3
Stddev	13.7	211.	75.8
%RSD	.46183	.56859	1.5051
#1	2948.4	37098.	5035.4
#2	2975.6	36814.	4958.0
#3	2964.4	37225.	5109.5

Sample Name: 460-108177-A-2-H DU Acquired: 2/29/2016 10:29:22 Type: Unk
Method: sw02152016 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	457.6	1.257	.5308	83.70	.3216	55250.
Stddev	7.1	.283	.1253	.61	.3789	18.
%RSD	1.558	22.54	23.61	.7333	117.8	.0317
#1	464.1	1.422	.3944	83.90	.7583	55240.
#2	458.8	1.419	.5572	84.18	.0794	55240.
#3	450.0	.9296	.6408	83.01	.1272	55270.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.6668	1.744	4.096	43.35	356.2	4904.
Stddev	.0821	.196	.102	.07	14.8	51.
%RSD	12.32	11.21	2.484	.1625	4.156	1.044
#1	.7498	1.964	4.163	43.27	359.0	4857.
#2	.6651	1.590	4.146	43.36	369.3	4896.
#3	.5855	1.679	3.979	43.41	340.2	4958.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9855.	F 10800.	F 320700.	5.985	44.15	-.7331
Stddev	25.	58.	3665.	.658	.66	1.265
%RSD	.2520	.5355	1.143	10.99	1.503	172.5
#1	9827.	10830.	316800.	6.146	43.53	-.7928
#2	9873.	10830.	321400.	6.548	44.85	-1.967
#3	9866.	10730.	324000.	5.262	44.06	.5604

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.	250000.			
Low Limit		-15.00	-5000.			

Sample Name: 460-108177-A-2-H DU Acquired: 2/29/2016 10:29:22 Type: Unk
Method: sw02152016 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	5.009	4.880	1.933	80.75	463.7	1.925
Stddev	2.851	1.412	.299	.57	2.2	.376
%RSD	56.91	28.93	15.47	.7019	.4682	19.50
#1	7.513	4.925	2.254	81.31	464.3	2.248
#2	5.607	3.446	1.882	80.76	465.5	2.014
#3	1.907	6.269	1.663	80.18	461.3	1.513

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	.6945	224.4	14.03	2419.
Stddev	.4736	1.1	.55	66.
%RSD	68.19	.4837	3.900	2.727
#1	.7871	225.0	14.65	2494.
#2	1.115	225.0	13.83	2394.
#3	.1814	223.1	13.62	2370.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2759.2	34524.	4848.1
Stddev	4.5	229.	91.4
%RSD	.16264	.66338	1.8854
#1	2763.8	34754.	4950.7
#2	2759.1	34521.	4775.4
#3	2754.8	34296.	4818.1

Sample Name: CAL5 Acquired: 2/29/2016 9:51:16 Type: Cal
Method: sw02152016 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	8.118	.3708	.5993	42.96	6.671	5.256
Stddev	.043	.0010	.0033	.12	.008	.048
%RSD	.5285	.2630	.5445	.2750	.1227	.9052

#1	8.079	.3706	.5955	42.83	6.665	5.210
#2	8.113	.3718	.6007	43.02	6.668	5.253
#3	8.164	.3699	.6015	43.05	6.681	5.305

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	7.142	5.388	1.338	9.913	1.287	6.070
Stddev	.024	.018	.007	.050	.012	.018
%RSD	.3297	.3321	.5545	.5002	.9245	.2989

#1	7.116	5.367	1.331	9.870	1.276	6.058
#2	7.150	5.396	1.339	9.967	1.287	6.062
#3	7.161	5.400	1.346	9.901	1.300	6.091

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.187	9.707	49.04	3.437	3.025	.2893
Stddev	.023	.068	.04	.007	.009	.0008
%RSD	.5590	.7020	.0759	.2122	.2991	.2648

#1	4.161	9.637	49.03	3.429	3.015	.2891
#2	4.191	9.710	49.00	3.440	3.028	.2902
#3	4.207	9.773	49.08	3.443	3.032	.2888

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	.3103	.5986	1.063	3.999	.8943	4.137
Stddev	.0003	.0012	.006	.024	.0017	.011
%RSD	.0967	.1964	.5415	.6068	.1944	.2734

#1	.3101	.5974	1.058	3.976	.8938	4.124
#2	.3107	.5997	1.063	3.997	.8962	4.146
#3	.3102	.5989	1.069	4.024	.8928	4.141

Sample Name: CAL5 Acquired: 2/29/2016 9:51:16 Type: Cal
Method: sw02152016 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	.3475	75.41	16.13	.6892
Stddev	.0014	.18	.04	.0101
%RSD	.4096	.2411	.2173	1.465

#1	.3460	75.23	16.09	.6782
#2	.3475	75.42	16.16	.6981
#3	.3489	75.59	16.13	.6911

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2654.2	34324.	5009.1
Stddev	7.3	494.	69.3
%RSD	.27329	1.4389	1.3838

#1	2661.7	34762.	4936.9
#2	2653.9	34420.	5075.2
#3	2647.2	33789.	5015.3

Sample Name: 460-108177-A-2-I MS Acquired: 2/29/2016 10:41:09 Type: Unk
Method: sw02152016 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	1477.	1011.	100.3	2160.	213.5	58180.
Stddev	13.	3.	.4	2.	.3	111.
%RSD	.8933	.2508	.3643	.1090	.1374	.1902

#1	1463.	1014.	100.0	2158.	213.7	58310.
#2	1490.	1012.	100.2	2163.	213.7	58100.
#3	1477.	1009.	100.7	2159.	213.2	58140.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	218.3	220.7	1063.	250.6	576.3	8961.
Stddev	.3	.3	.	1.4	11.4	71.
%RSD	.1308	.1485	.0452	.5627	1.971	.7951

#1	218.2	220.9	1063.	251.9	580.2	8984.
#2	218.6	220.3	1063.	250.7	585.2	9017.
#3	218.0	220.8	1062.	249.1	563.5	8881.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13540.	F 10770.	F 314600.	225.3	1087.	200.3
Stddev	46.	12.	2741.	.0	2.	2.3
%RSD	.3425	.1102	.8713	.0192	.1970	1.149

#1	13600.	10780.	313000.	225.3	1086.	199.3
#2	13520.	10760.	317700.	225.4	1089.	198.6
#3	13510.	10760.	312900.	225.4	1085.	202.9

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.	250000.			
Low Limit		-15.00	-5000.			

Sample Name: 460-108177-A-2-I MS Acquired: 2/29/2016 10:41:09 Type: Unk
Method: sw02152016 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	213.4	220.0	109.5	303.8	659.0	213.4
Stddev	2.8	2.0	.2	1.0	1.9	.2
%RSD	1.322	.8884	.1966	.3281	.2944	.0738
#1	210.5	220.4	109.7	304.9	656.8	213.4
#2	213.8	221.6	109.3	303.7	660.2	213.2
#3	216.1	217.8	109.6	302.9	660.0	213.5

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	202.4	427.4	228.4	2339.
Stddev	.5	1.0	2.0	27.
%RSD	.2680	.2241	.8689	1.175
#1	202.7	428.5	229.8	2333.
#2	202.7	426.9	229.3	2316.
#3	201.8	426.8	226.1	2369.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2784.2	34538.	4891.1
Stddev	13.3	254.	33.7
%RSD	.47910	.73408	.68810
#1	2769.3	34328.	4871.2
#2	2788.4	34820.	4872.2
#3	2794.9	34467.	4930.0

Sample Name: icb Acquired: 2/29/2016 9:58:42 Type: QC
Method: sw02152016 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	15.21	.2935	.0791	1.537	.0067	14.39
Stddev	4.93	1.305	.6370	2.577	.0561	12.11
%RSD	32.39	444.6	804.9	167.7	835.8	84.19
#1	10.13	-.7782	.1746	.1259	.0594	12.53
#2	15.53	1.747	.6631	4.511	.0128	27.32
#3	19.97	-.0880	-.6002	-.0269	-.0522	3.308

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.2042	.5239	.6570	.8739	6.332	-1.161
Stddev	.3252	.6759	.4528	1.188	18.09	13.20
%RSD	159.3	129.0	68.91	136.0	285.6	1137.
#1	.0205	.1919	.7125	.3796	15.65	13.89
#2	.5797	1.302	1.079	2.230	17.86	-6.569
#3	.0123	.0781	.1791	.0125	-14.51	-10.80

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.03	.4032	23.35	-.1759	.9284	.1353
Stddev	10.86	.5914	17.51	.5736	2.132	.9234
%RSD	108.2	146.7	74.98	326.2	229.6	682.4
#1	4.180	.1812	42.18	-.5612	.4604	-.4117
#2	22.56	1.073	7.551	.4833	3.255	-.3839
#3	3.355	-.0451	20.33	-.4497	-.9306	1.202

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

Sample Name: icb Acquired: 2/29/2016 9:58:42 Type: QC
Method: sw02152016 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	2.928	.0993	-.0509	.1005	2.904	1.436
Stddev	2.061	2.518	.5407	.6431	.583	.755
%RSD	70.38	2535.	1063.	640.1	20.08	52.59
#1	.6218	-1.632	-.1460	-.1362	3.264	1.714
#2	4.589	2.988	.5311	.8284	3.218	2.013
#3	3.574	-1.058	-.5377	-.3907	2.231	.5815

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	.8318	.0576	1.060	-5.306
Stddev	.1535	.0891	1.122	10.63
%RSD	18.46	154.7	105.9	200.3
#1	.7910	.1363	.8021	3.796
#2	1.002	.0756	2.289	-2.732
#3	.7029	-.0391	.0890	-16.98

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	2931.7	36882.	5130.8
Stddev	4.3	96.	84.6
%RSD	.14596	.26145	1.6480
#1	2933.9	36876.	5228.5
#2	2926.7	36981.	5081.6
#3	2934.4	36788.	5082.5

Sample Name: CCVL Acquired: 2/29/2016 10:52:21 Type: QC
Method: sw02152016 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	222.5	16.09	9.852	215.1	2.038	5217.
Stddev	15.9	1.03	.079	.9	.072	13.
%RSD	7.152	6.419	.8039	.4288	3.540	.2474

#1	227.8	16.67	9.930	216.1	2.103	5212.
#2	235.2	16.69	9.772	214.8	2.052	5232.
#3	204.7	14.89	9.854	214.3	1.960	5208.

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	4.303	54.92	11.67	25.51	165.2	4973.
Stddev	.044	.27	.97	.93	14.3	45.
%RSD	1.027	.4971	8.319	3.649	8.664	.9142

#1	4.297	54.87	12.30	24.88	148.7	4925.
#2	4.263	55.21	12.16	26.58	173.4	5015.
#3	4.350	54.67	10.55	25.06	173.5	4978.

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	5161.	16.97	5129.	44.60	12.08	19.02
Stddev	23.	1.01	20.	.18	.79	1.56
%RSD	.4378	5.951	.3886	.4052	6.525	8.198

#1	5182.	16.43	5109.	44.40	12.08	20.81
#2	5166.	18.13	5148.	44.75	11.29	17.98
#3	5137.	16.35	5129.	44.65	12.86	18.27

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

Sample Name: CCVL Acquired: 2/29/2016 10:52:21 Type: QC
Method: sw02152016 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	21.33	23.25	51.73	32.56	51.22	20.87
Stddev	3.21	.42	.42	.23	.72	.41
%RSD	15.03	1.820	.8101	.7141	1.411	1.945
#1	24.93	23.71	52.14	32.56	52.01	21.17
#2	20.28	23.16	51.74	32.33	50.58	21.03
#3	18.78	22.87	51.30	32.79	51.09	20.41

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	52.90	20.82	21.28	F 16.93
Stddev	.42	.11	.73	7.09
%RSD	.7943	.5429	3.410	41.87
#1	52.69	20.70	20.87	9.459
#2	53.39	20.93	22.12	17.78
#3	52.63	20.83	20.86	23.56

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	2951.9	36937.	5090.5
Stddev	15.3	266.	44.4
%RSD	.51814	.71962	.87261
#1	2935.2	36644.	5141.5
#2	2955.3	37163.	5069.2
#3	2965.2	37005.	5060.7

Sample Name: icvl 4079378 Acquired: 2/29/2016 10:02:35 Type: QC
Method: sw02152016 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	222.1	16.57	9.750	214.9	2.054	5132.
Stddev	17.5	.79	.500	.7	.092	29.
%RSD	7.900	4.743	5.127	.3296	4.487	.5604

#1	205.9	15.98	9.187	214.1	1.950	5164.
#2	219.7	16.26	9.925	215.2	2.083	5107.
#3	240.8	17.46	10.14	215.4	2.127	5125.

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	4.194	54.48	10.90	24.87	149.0	4677.
Stddev	.040	.13	.33	.14	7.9	411.
%RSD	.9409	.2331	3.069	.5658	5.335	8.782

#1	4.239	54.52	10.57	24.74	154.1	4203.
#2	4.177	54.34	11.23	24.86	139.8	4912.
#3	4.166	54.58	10.89	25.02	153.1	4916.

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	5121.	16.19	4865.	44.39	12.24	19.11
Stddev	20.	.08	418.	.24	1.49	1.65
%RSD	.3937	.4876	8.582	.5312	12.16	8.618

#1	5137.	16.28	4383.	44.25	13.84	18.16
#2	5098.	16.15	5092.	44.26	11.99	18.17
#3	5128.	16.13	5120.	44.66	10.89	21.02

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

Sample Name: icvl 4079378 Acquired: 2/29/2016 10:02:35 Type: QC
Method: sw02152016 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	24.04	22.92	51.13	32.06	51.48	20.75
Stddev	1.55	.20	.47	.36	.36	.41
%RSD	6.471	.8703	.9133	1.116	.7089	1.964
#1	25.56	22.97	51.19	32.46	51.18	20.35
#2	24.10	23.10	50.64	31.94	51.37	21.17
#3	22.45	22.71	51.56	31.77	51.88	20.72

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	52.01	19.81	20.88	F 19.99
Stddev	.54	1.73	.14	6.25
%RSD	1.044	8.736	.6670	31.25
#1	52.50	17.81	21.03	13.63
#2	52.08	20.75	20.85	20.22
#3	51.43	20.86	20.76	26.11

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	2961.3	37547.	5206.1
Stddev	12.6	404.	56.9
%RSD	.42520	1.0765	1.0929
#1	2948.9	37101.	5150.0
#2	2974.1	37889.	5204.4
#3	2960.8	37651.	5263.8

Sample Name: 460-107181-E-1-D@5 Acquired: 2/29/2016 10:59:50 Type: Unk
Method: sw02152016 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	306.4	1.759	-.1551	192.8	-.0615	159400.
Stddev	1.7	1.813	.1625	.4	.1279	94.
%RSD	.5568	103.1	104.8	.1973	207.8	.0587

#1	304.5	3.326	-.2733	192.5	.0705	159300.
#2	307.7	2.176	.0302	193.3	-.1848	159500.
#3	306.9	-.2264	-.2221	192.7	-.0703	159400.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	1.366	7.674	-.4201	1.780	33.56	1198.
Stddev	.150	.091	.3694	.198	9.20	19.
%RSD	11.02	1.185	87.93	11.10	27.42	1.620

#1	1.233	7.569	-.1192	1.678	42.72	1219.
#2	1.530	7.729	-.3087	2.008	24.31	1181.
#3	1.336	7.724	-.8323	1.655	33.65	1193.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1724.	461.8	F 303200.	9.166	23.54	-.2719
Stddev	11.	1.6	1442.	.146	2.66	1.228
%RSD	.6133	.3415	.4757	1.590	11.31	451.5

#1	1714.	463.6	304300.	9.323	26.60	.8918
#2	1735.	461.2	301600.	9.035	21.75	-.1525
#3	1724.	460.7	303800.	9.139	22.26	-1.555

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

Sample Name: 460-107181-E-1-D@5 Acquired: 2/29/2016 10:59:50 Type: Unk
 Method: sw02152016 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	1.832	.5391	.7806	107.1	25.09	.5742
Stddev	4.293	2.330	.2377	.4	.48	.1378
%RSD	234.4	432.1	30.45	.3426	1.927	23.99
#1	-1.162	.1274	1.054	107.2	24.85	.7015
#2	-.0933	3.047	.6661	107.5	25.65	.5932
#3	6.750	-1.557	.6218	106.7	24.77	.4280

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	.2619	415.4	1.501	1011.
Stddev	.2942	.5	.131	18.
%RSD	112.3	.1138	8.702	1.770
#1	-.0029	415.0	1.648	990.8
#2	.5786	415.4	1.400	1024.
#3	.2100	415.9	1.455	1019.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2749.7	34490.	4865.6
Stddev	5.7	3.	59.8
%RSD	.20832	.00852	1.2297
#1	2755.7	34491.	4796.9
#2	2744.3	34486.	4906.8
#3	2749.1	34492.	4893.0

Sample Name: 460-109452-E-2-B@5 Acquired: 2/29/2016 11:15:22 Type: Unk
Method: sw02152016 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	47.29	.9696	-.3275	91.87	-.0712	16410.
Stddev	9.72	2.361	.3552	.06	.0195	40.
%RSD	20.56	243.5	108.5	.0629	27.33	.2414
#1	39.91	3.691	-.7071	91.81	-.0519	16380.
#2	43.65	-.2599	-.0033	91.93	-.0909	16410.
#3	58.31	-.5224	-.2720	91.86	-.0708	16460.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.1570	.6405	-.0066	.3231	4496.	1834.
Stddev	.0831	.1652	.3088	.0125	28.	8.
%RSD	52.91	25.79	4685.	3.854	.6249	.4119
#1	-.2468	.4787	.3497	.3201	4474.	1837.
#2	-.0828	.8089	-.1717	.3124	4487.	1840.
#3	-.1414	.6339	-.1977	.3368	4528.	1826.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3698.	605.9	113700.	.3201	1.822	-1.806
Stddev	18.	2.1	756.	.0486	1.494	.875
%RSD	.4867	.3399	.6643	15.19	81.96	48.43
#1	3704.	604.1	112900.	.3710	3.547	-2.662
#2	3678.	605.4	113800.	.3152	.9228	-.9137
#3	3713.	608.1	114400.	.2741	.9978	-1.843

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

Sample Name: 460-109452-E-2-B@5 Acquired: 2/29/2016 11:15:22 Type: Unk
Method: sw02152016 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.766	2.530	-.0602	2826.	15.39	-.6268
Stddev	1.872	1.105	.2335	18.	.68	.1540
%RSD	49.71	43.68	387.7	.6190	4.437	24.58
#1	5.403	1.325	-.2000	2807.	15.77	-.7739
#2	1.725	2.769	-.1901	2829.	15.79	-.4667
#3	4.170	3.496	.2094	2842.	14.60	-.6397

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	.4332	104.1	.7343	246.3
Stddev	.4829	.8	.1242	9.7
%RSD	111.5	.7432	16.92	3.919
#1	.8106	103.2	.6231	248.3
#2	.6002	104.5	.8684	254.8
#3	-.1110	104.6	.7115	235.8

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	2862.5	35395.	4923.2
Stddev	1.1	160.	19.2
%RSD	.03928	.45295	.39063
#1	2863.8	35214.	4931.2
#2	2861.8	35519.	4901.3
#3	2861.8	35453.	4937.2

Sample Name: icsab 4140570 Acquired: 2/29/2016 10:10:11 Type: QC
Method: sw02152016 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	547300.	105.9	112.8	108.9	108.2	551500.
Stddev	1830.	1.7	.2	.2	.8	4587.
%RSD	.3344	1.617	.1758	.2000	.7033	.8317

#1	545300.	107.3	113.0	108.7	107.3	546800.
#2	548900.	106.3	112.8	108.9	108.4	556000.
#3	547700.	104.0	112.7	109.2	108.8	551600.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	104.4	101.6	109.2	112.0	213700.	11030.
Stddev	.4	.5	1.0	.7	830.	9.
%RSD	.4169	.5254	.9096	.6042	.3881	.0798

#1	104.8	101.5	108.9	112.7	212800.	11020.
#2	104.0	102.2	110.3	111.3	214400.	11040.
#3	104.2	101.1	108.4	111.9	213900.	11030.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	556800.	105.8	11300.	103.6	100.4	105.1
Stddev	4284.	.4	10.	.5	2.8	4.2
%RSD	.7694	.3401	.0859	.4720	2.831	4.041

#1	552900.	105.5	11310.	103.6	103.7	109.4
#2	561300.	106.2	11310.	103.1	98.63	100.9
#3	556100.	105.6	11290.	104.1	98.89	105.1

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

Sample Name: icsab 4140570 Acquired: 2/29/2016 10:10:11 Type: QC
Method: sw02152016 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	116.0	100.5	113.0	101.4	96.56	104.9
Stddev	5.4	.6	.2	.7	1.19	.4
%RSD	4.623	.5769	.2203	.6814	1.235	.3535
#1	119.2	99.87	112.9	100.9	97.89	105.2
#2	119.0	100.5	112.9	101.0	95.59	104.5
#3	109.8	101.0	113.3	102.2	96.19	105.1

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	106.2	107.0	110.2	63.90
Stddev	1.1	.5	.4	13.74
%RSD	1.035	.4216	.3241	21.50
#1	107.3	107.4	109.8	74.37
#2	106.3	107.1	110.3	48.35
#3	105.1	106.5	110.5	68.98

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2680.2	33366.	5010.6
Stddev	4.8	250.	84.6
%RSD	.18028	.74778	1.6893
#1	2680.5	33628.	5105.7
#2	2675.2	33131.	4983.0
#3	2684.9	33339.	4943.3

Sample Name: CCB Acquired: 2/29/2016 11:38:07 Type: QC
Method: sw02152016 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	15.12	.0811	-.4566	.0764	.0554	9.809
Stddev	7.07	2.068	.4094	.1054	.1210	4.472
%RSD	46.77	2549.	89.65	137.9	218.3	45.59
#1	7.371	-2.222	-.9249	.1253	-.0606	11.65
#2	16.76	1.778	-.1669	-.0446	.1809	13.07
#3	21.22	.6867	-.2780	.1485	.0461	4.711

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.1113	-.1257	.4629	.3503	7.416	1.944
Stddev	.0811	.2207	.1601	.1281	1.886	37.35
%RSD	72.87	175.6	34.58	36.56	25.43	1921.
#1	-.0523	-.1162	.2860	.2712	5.240	30.98
#2	-.2038	-.3510	.5051	.2817	8.573	15.04
#3	-.0778	.0901	.5977	.4980	8.435	-40.19

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.079	.0425	44.21	-.0970	.2147	-.9874
Stddev	.811	.0648	4.82	.1174	.9564	1.706
%RSD	75.18	152.6	10.89	121.1	445.4	172.8
#1	-.2975	.0270	42.90	-.2163	.8686	.6262
#2	-1.917	-.0132	40.19	.0185	.6585	-.8154
#3	-1.023	.1136	49.55	-.0933	-.8829	-2.773

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

Sample Name: CCB Acquired: 2/29/2016 11:38:07 Type: QC
Method: sw02152016 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	4.744	-.0009	-.1798	-.1918	.8637	.6005
Stddev	.609	1.182	.3273	.0599	.6756	.5418
%RSD	12.83	131100.	182.0	31.23	78.22	90.23
#1	4.538	1.232	.0901	-.2080	1.590	1.166
#2	5.428	-.1096	-.0857	-.2419	.2536	.5483
#3	4.265	-1.125	-.5438	-.1254	.7477	.0866

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	.4867	.1229	.1814	22.38
Stddev	.8390	.0297	.0841	7.18
%RSD	172.4	24.13	46.38	32.08
#1	1.239	.1038	.2782	27.57
#2	.6392	.1571	.1402	14.19
#3	-.4181	.1079	.1258	25.39

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	2922.3	37001.	5086.1
Stddev	5.7	208.	63.7
%RSD	.19593	.56239	1.2529
#1	2926.0	36816.	5035.7
#2	2915.7	37226.	5157.7
#3	2925.1	36961.	5064.9

Sample Name: LCS 460-353002/2-A@2 Acquired: 2/29/2016 10:25:49 Type: QC
Method: sw02152016 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	2524.	2448.	239.9	5280.	517.0	10450.
Stddev	92.	43.	5.2	98.	14.7	147.
%RSD	3.647	1.773	2.182	1.847	2.838	1.407

#1	2423.	2404.	234.7	5181.	501.2	10300.
#2	2544.	2451.	239.8	5284.	519.7	10450.
#3	2604.	2491.	245.2	5376.	530.1	10600.

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	550.5	562.3	2645.	504.1	535.7	9724.
Stddev	10.3	11.2	41.	10.1	11.3	241.
%RSD	1.868	1.985	1.534	1.998	2.104	2.475

#1	540.3	550.8	2603.	494.6	534.5	9453.
#2	550.3	562.9	2648.	503.2	525.1	9808.
#3	560.8	573.1	2684.	514.6	547.5	9911.

Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	None
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10160.	556.4	9988.	571.7	2709.	497.8
Stddev	145.	8.8	243.	9.5	48.	11.9
%RSD	1.422	1.584	2.430	1.669	1.778	2.401

#1	10020.	547.4	9724.	563.1	2659.	485.8
#2	10150.	556.8	10040.	570.0	2714.	497.9
#3	10310.	565.0	10200.	581.9	2755.	509.7

Check ?	None	None	None	Chk Pass	Chk Pass	None
Value						
Range						

Sample Name: LCS 460-353002/2-A@2 Acquired: 2/29/2016 10:25:49 Type: QC
Method: sw02152016 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	511.9	568.6	263.5	564.2	505.1	529.8
Stddev	12.1	14.8	5.3	11.4	10.3	10.3
%RSD	2.358	2.602	2.011	2.026	2.037	1.940

#1	500.3	553.3	258.3	552.8	493.9	519.5
#2	511.2	569.6	263.2	564.1	507.1	529.9
#3	524.4	582.9	268.9	575.7	514.2	540.0

Check ?	Chk Pass	None	None	Chk Pass	None	None
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	519.0	511.9	525.1	68.75
Stddev	10.2	14.1	11.6	17.15
%RSD	1.973	2.748	2.217	24.95

#1	508.0	496.7	514.4	71.11
#2	520.7	514.5	523.4	50.54
#3	528.3	524.5	537.5	84.60

Check ?	None	None	None	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2880.2	35950.	4934.8
Stddev	13.9	391.	73.7
%RSD	.48104	1.0862	1.4926

#1	2864.6	35532.	4959.7
#2	2890.8	36013.	4851.9
#3	2885.3	36305.	4992.7

Sample Name: 460-108177-A-2-G@5 Acquired: 2/29/2016 10:33:21 Type: Unk
Method: sw02152016 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	458.5	1.049	.1068	82.80	.0791	54830.
Stddev	13.2	1.195	.1245	.34	.0573	109.
%RSD	2.874	113.9	116.6	.4165	72.40	.1981
#1	467.2	-.0152	.2253	83.19	.0300	54770.
#2	443.3	2.342	.1179	82.69	.1421	54960.
#3	464.9	.8201	-.0228	82.53	.0653	54780.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.7561	1.466	3.605	42.87	358.5	4837.
Stddev	.0838	.128	.431	.35	9.0	51.
%RSD	11.08	8.752	11.96	.8264	2.512	1.060
#1	.8465	1.420	3.675	42.54	364.8	4849.
#2	.7407	1.367	3.996	43.25	348.2	4781.
#3	.6810	1.611	3.143	42.82	362.5	4882.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9820.	F 10680.	F 311400.	5.527	42.79	-1.242
Stddev	31.	16.	1259.	.341	1.15	1.147
%RSD	.3158	.1521	.4043	6.165	2.691	92.39
#1	9789.	10690.	310200.	5.175	41.67	-.1381
#2	9851.	10690.	312700.	5.548	43.97	-2.428
#3	9821.	10660.	311400.	5.856	42.72	-1.159

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.	250000.			
Low Limit		-15.00	-5000.			

Sample Name: 460-108177-A-2-G@5 Acquired: 2/29/2016 10:33:21 Type: Unk
Method: sw02152016 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.762	5.518	1.857	78.76	457.1	1.358
Stddev	1.958	1.737	.476	.80	.5	.215
%RSD	52.05	31.48	25.64	1.019	.1203	15.85
#1	5.051	4.883	1.927	79.67	457.6	1.196
#2	4.726	7.482	2.293	78.15	456.5	1.277
#3	1.508	4.187	1.349	78.47	457.1	1.602

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	.3653	219.4	13.35	2396.
Stddev	.6766	1.0	1.59	25.
%RSD	185.2	.4663	11.88	1.053
#1	.5823	220.3	13.37	2422.
#2	-.3932	219.6	14.93	2372.
#3	.9067	218.3	11.75	2394.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2744.8	34099.	4864.0
Stddev	19.1	97.	57.6
%RSD	.69658	.28371	1.1835
#1	2723.8	34165.	4800.2
#2	2761.2	33988.	4879.8
#3	2749.5	34144.	4912.0

Sample Name: sd 460-108177-A-2-G Acquired: 2/29/2016 10:37:19 Type: Unk
Method: sw02152016 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	92.81	1.889	.0287	15.95	.0177	10470.
Stddev	5.00	2.156	.1768	.16	.1124	15.
%RSD	5.386	114.1	615.0	1.010	634.0	.1453
#1	97.38	.6026	.1636	15.79	-.0324	10450.
#2	93.56	.6865	.0941	15.94	-.0609	10470.
#3	87.47	4.378	-.1714	16.11	.1465	10480.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0502	.2289	1.066	8.451	66.14	867.2
Stddev	.1210	.2962	.529	.487	7.40	28.4
%RSD	241.1	129.4	49.60	5.760	11.18	3.278
#1	.0061	-.0893	1.602	8.665	74.62	888.8
#2	.1870	.4968	1.052	8.794	62.81	835.0
#3	-.0426	.2790	.5444	7.894	61.00	877.9

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1897.	2093.	60460.	.9312	8.917	-1.065
Stddev	3.	1.	272.	.2791	1.724	.026
%RSD	.1808	.0537	.4505	29.98	19.33	2.457
#1	1899.	2093.	60160.	1.159	10.47	-1.081
#2	1893.	2092.	60700.	1.015	7.060	-1.035
#3	1898.	2094.	60510.	.6198	9.227	-1.080

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

Sample Name: sd 460-108177-A-2-G Acquired: 2/29/2016 10:37:19 Type: Unk
Method: sw02152016 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.435	2.598	.1061	15.42	87.93	-.0129
Stddev	3.426	.916	.1222	.13	.78	.1315
%RSD	99.75	35.25	115.2	.8220	.8894	1020.
#1	.0184	3.650	-.0336	15.38	88.78	-.0126
#2	3.415	1.977	.1929	15.56	87.76	-.1445
#3	6.871	2.168	.1592	15.32	87.24	.1184

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	-.4746	42.04	2.457	469.0
Stddev	.3739	.07	.083	20.6
%RSD	78.78	.1687	3.378	4.391
#1	-.5533	42.04	2.540	484.7
#2	-.0676	42.12	2.459	476.7
#3	-.8029	41.98	2.374	445.7

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	2876.1	36018.	4991.2
Stddev	3.2	200.	81.2
%RSD	.11070	.55581	1.6275
#1	2873.5	36078.	5060.4
#2	2879.6	36180.	5011.4
#3	2875.0	35794.	4901.7

Sample Name: CCV Acquired: 2/29/2016 10:44:53 Type: QC
Method: sw02152016 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	125300.	2486.	1242.	10170.	1015.	126600.
Stddev	857.	5.	3.	23.	4.	238.
%RSD	.6836	.2048	.2503	.2288	.4316	.1877

#1	124600.	2489.	1240.	10170.	1012.	126300.
#2	126200.	2480.	1241.	10140.	1020.	126800.
#3	125200.	2488.	1246.	10190.	1014.	126700.

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	1268.	2532.	5104.	12460.	101800.	49910.
Stddev	2.	5.	5.	10.	238.	368.
%RSD	.1725	.2169	.1048	.0795	.2338	.7371

#1	1269.	2535.	5101.	12450.	101600.	49560.
#2	1265.	2526.	5110.	12450.	102100.	50290.
#3	1270.	2536.	5101.	12470.	101700.	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	125700.	5128.	125400.	2548.	7639.	988.9
Stddev	323.	7.	840.	5.	15.	2.8
%RSD	.2566	.1293	.6694	.2140	.1957	.2785

#1	125400.	5124.	124500.	2552.	7636.	986.0
#2	125700.	5136.	126100.	2542.	7626.	991.4
#3	126000.	5125.	125700.	2552.	7655.	989.3

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

Sample Name: CCV Acquired: 2/29/2016 10:44:53 Type: QC
Method: sw02152016 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	2481.	2559.	2540.	2556.	1004.	2527.
Stddev	12.	7.	2.	9.	2.	8.
%RSD	.4813	.2855	.0751	.3435	.2346	.3060
#1	2495.	2562.	2539.	2564.	1002.	2523.
#2	2476.	2550.	2542.	2547.	1003.	2523.
#3	2473.	2564.	2538.	2557.	1007.	2536.

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	1015.	5049.	10220.	9857.
Stddev	2.	28.	53.	96.
%RSD	.1648	.5555	.5182	.9698
#1	1016.	5022.	10200.	9803.
#2	1014.	5078.	10280.	9801.
#3	1017.	5047.	10180.	9968.

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	2726.3	34598.	4903.6
Stddev	12.4	12.	15.1
%RSD	.45543	.03602	.30878
#1	2725.8	34589.	4910.1
#2	2738.9	34594.	4886.3
#3	2714.1	34612.	4914.4

Sample Name: CCB Acquired: 2/29/2016 10:48:28 Type: QC
Method: sw02152016 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	19.77	.4236	.1371	.1418	.0325	8.007
Stddev	4.51	1.133	.3206	.1149	.0729	1.558
%RSD	22.81	267.4	233.9	81.05	224.6	19.46
#1	24.82	1.059	-.0403	.2742	-.0465	8.398
#2	18.36	-.8843	.5071	.0686	.0971	6.290
#3	16.14	1.096	-.0557	.0825	.0468	9.332

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0183	-.0891	.2925	.0709	6.520	1.868
Stddev	.1276	.3080	.3211	.1425	.702	16.54
%RSD	696.3	345.8	109.8	201.0	10.76	885.4
#1	.1455	.0555	.6008	.1045	6.025	17.56
#2	-.1097	-.4428	.3167	.1935	7.323	3.439
#3	.0193	.1200	-.0400	-.0854	6.211	-15.40

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7509	.2065	35.67	-.1546	-.5436	-.6172
Stddev	1.873	.0945	12.65	.0052	1.664	.9324
%RSD	249.5	45.76	35.45	3.353	306.1	151.1
#1	-1.106	.2943	49.89	-.1586	1.037	.4318
#2	2.640	.1065	31.46	-.1488	-.3879	-.9319
#3	.7191	.2187	25.67	-.1565	-2.280	-1.352

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

Sample Name: CCB Acquired: 2/29/2016 10:48:28 Type: QC
Method: sw02152016 Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.421	1.180	-.0532	-.1462	1.116	1.059
Stddev	1.416	1.611	.3689	.1658	.973	1.028
%RSD	41.39	136.6	693.4	113.4	87.19	97.13
#1	4.978	-.6709	.0759	-.3026	1.608	2.225
#2	3.079	2.270	-.4693	.0276	1.743	.6687
#3	2.208	1.941	.2338	-.1637	-.0049	.2824

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	.5469	.0472	.4217	5.785
Stddev	.6217	.0589	.2291	12.42
%RSD	113.7	124.8	54.33	214.7
#1	.1119	.1076	.6863	19.40
#2	.2698	.0443	.2902	2.879
#3	1.259	-.0102	.2888	-4.926

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	2893.6	36477.	4943.2
Stddev	16.8	323.	49.9
%RSD	.58051	.88529	1.0092
#1	2875.5	36195.	4944.5
#2	2908.7	36830.	4892.7
#3	2896.5	36407.	4992.4

Sample Name: pds 460-108177-A-2-G Acquired: 2/29/2016 10:56:10 Type: Unk
Method: sw02152016 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	2485.	2005.	49.93	2117.	52.95	73140.
Stddev	8.	7.	.28	6.	.39	53.
%RSD	.3355	.3359	.5588	.2714	.7412	.0724
#1	2489.	1998.	50.22	2114.	52.52	73130.
#2	2476.	2004.	49.66	2114.	53.29	73090.
#3	2492.	2012.	49.91	2124.	53.03	73190.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	52.40	517.4	217.1	290.2	1393.	23610.
Stddev	.12	.0	.8	.9	16.	52.
%RSD	.2220	.0096	.3571	.3102	1.175	.2203
#1	52.40	517.4	218.0	291.2	1412.	23650.
#2	52.28	517.4	216.5	289.5	1383.	23550.
#3	52.51	517.3	216.7	289.9	1385.	23630.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28850.	F 10780.	F 326500.	530.7	561.0	488.8
Stddev	65.	12.	4887.	2.1	2.5	1.8
%RSD	.2265	.1086	1.497	.3876	.4526	.3684
#1	28930.	10780.	322600.	528.5	558.3	489.2
#2	28810.	10770.	324900.	531.1	563.3	486.8
#3	28820.	10800.	332000.	532.6	561.5	490.3

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.	250000.			
Low Limit		-15.00	-5000.			

Sample Name: pds 460-108177-A-2-G Acquired: 2/29/2016 10:56:10 Type: Unk
Method: sw02152016 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	2072.	2077.	527.1	615.1	953.9	513.1
Stddev	12.	3.	.7	1.0	3.7	2.2
%RSD	.5807	.1587	.1414	.1698	.3830	.4202
#1	2079.	2079.	528.0	615.5	954.5	513.7
#2	2058.	2074.	526.6	613.9	950.0	510.7
#3	2078.	2080.	526.8	615.9	957.2	514.9

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	521.3	718.8	537.1	2400.
Stddev	1.9	1.0	.3	63.
%RSD	.3701	.1440	.0475	2.612
#1	519.4	719.3	537.2	2364.
#2	521.2	717.6	537.3	2362.
#3	523.3	719.5	536.8	2472.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2782.1	34760.	4950.3
Stddev	8.8	120.	28.3
%RSD	.31807	.34624	.57099
#1	2788.6	34866.	4977.2
#2	2785.7	34786.	4953.0
#3	2772.0	34629.	4920.8

Sample Name: 460-108990-E-3-E@5 Acquired: 2/29/2016 11:03:44 Type: Unk
Method: sw02152016 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	332.0	5.082	-.0130	49.04	-.0401	165900.
Stddev	13.5	2.896	.3734	.12	.0380	772.
%RSD	4.069	56.98	2882.	.2424	94.93	.4656

#1	332.0	3.997	.1142	49.16	-.0763	165300.
#2	318.5	2.886	-.4333	49.03	-.0436	165600.
#3	345.5	8.364	.2803	48.93	-.0004	166700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.5250	1.521	.1968	.9182	17630.	1770.
Stddev	.1668	.174	.3287	.1818	133.	38.
%RSD	31.78	11.45	167.1	19.80	.7534	2.148

#1	-.4047	1.663	.4130	1.070	17480.	1740.
#2	-.4549	1.574	.3588	.9683	17680.	1757.
#3	-.7154	1.327	-.1816	.7165	17740.	1812.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3221.	223.1	F 301000.	11.35	216.5	-2.684
Stddev	2.	.9	430.	.54	1.0	1.748
%RSD	.0765	.3830	.1428	4.791	.4423	65.12

#1	3219.	222.3	300500.	11.02	217.6	-2.056
#2	3223.	223.1	301200.	11.98	216.4	-4.659
#3	3222.	224.0	301300.	11.06	215.7	-1.337

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

Sample Name: 460-108990-E-3-E@5 Acquired: 2/29/2016 11:03:44 Type: Unk
Method: sw02152016 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	-2.474	-1.716	.8973	259.4	51.58	.2760
Stddev	2.043	.832	.1994	1.7	.64	.2396
%RSD	82.56	48.46	22.22	.6510	1.237	86.82
#1	-1.353	-1.096	.7765	257.5	51.26	.4910
#2	-4.832	-1.391	.7879	260.0	52.32	.0177
#3	-1.237	-2.661	1.127	260.7	51.17	.3192

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	1.013	623.9	1.377	3971.
Stddev	.254	1.0	.008	62.
%RSD	25.07	.1620	.6029	1.571
#1	.9143	624.8	1.379	3963.
#2	1.302	624.0	1.368	4037.
#3	.8234	622.8	1.384	3913.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2757.4	34504.	4932.6
Stddev	15.0	219.	58.5
%RSD	.54273	.63453	1.1870
#1	2751.1	34413.	4930.4
#2	2746.7	34754.	4992.2
#3	2774.5	34346.	4875.1

Sample Name: 460-109295-F-3-E@5 Acquired: 2/29/2016 11:07:37 Type: Unk
Method: sw02152016 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	61.85	1.334	-1.940	55.92	.1502	2384.
Stddev	9.30	.712	.1491	.03	.0311	13.
%RSD	15.04	53.38	76.87	.0544	20.73	.5616

#1	67.85	.9245	-.1828	55.89	.1763	2398.
#2	66.57	2.156	-.3484	55.94	.1157	2382.
#3	51.14	.9215	-.0508	55.94	.1586	2372.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.0236	.0711	.2753	.9081	3.197	458.7
Stddev	.0751	.0326	.0469	.3503	5.427	10.6
%RSD	317.8	45.82	17.04	38.57	169.8	2.307

#1	-.0191	.0852	.2796	1.015	-1.529	465.5
#2	-.1009	.0943	.2264	1.193	1.996	464.0
#3	.0491	.0339	.3198	.5169	9.124	446.5

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	511.1	9.422	F 290300.	1.087	3.066	-1.170
Stddev	3.6	.023	1093.	.268	.802	.670
%RSD	.7086	.2451	.3765	24.66	26.16	57.31

#1	514.7	9.424	291000.	1.394	2.915	-1.857
#2	507.5	9.397	290800.	.8972	2.351	-.5177
#3	511.3	9.443	289000.	.9703	3.933	-1.135

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

Sample Name: 460-109295-F-3-E@5 Acquired: 2/29/2016 11:07:37 Type: Unk
Method: sw02152016 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	.5046	-.3264	-.0050	2.915	11.36	-.0737
Stddev	3.771	2.895	.1884	.149	.42	.1591
%RSD	747.3	886.8	3792.	5.103	3.665	216.0
#1	2.089	-3.641	-.0890	3.060	11.16	.0392
#2	-3.800	1.706	-.1367	2.762	11.09	-.0046
#3	3.224	.9557	.2108	2.923	11.84	-.2557

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	.4686	16.19	.3471	402.0
Stddev	.6139	.06	.0800	8.3
%RSD	131.0	.3897	23.05	2.077
#1	.6630	16.26	.4093	401.4
#2	-.2190	16.14	.2568	394.0
#3	.9617	16.18	.3753	410.7

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	2842.0	35215.	4949.9
Stddev	12.0	297.	26.0
%RSD	.42260	.84440	.52460
#1	2832.6	34875.	4979.6
#2	2855.5	35428.	4931.9
#3	2838.0	35342.	4938.1

Sample Name: 460-109452-E-1-B@5 Acquired: 2/29/2016 11:11:33 Type: Unk
Method: sw02152016 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	19.56	-.7648	.3076	23.43	.0515	5882.
Stddev	5.41	.2355	.2083	.11	.1856	36.
%RSD	27.65	30.79	67.73	.4652	360.4	.6168
#1	21.28	-.4931	.1049	23.35	-.1384	5844.
#2	13.50	-.9091	.2968	23.55	.0604	5888.
#3	23.90	-.8923	.5211	23.37	.2325	5915.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.0672	-.0144	.5687	.0183	214.5	111.4
Stddev	.0774	.0100	.2631	.3229	5.2	6.3
%RSD	115.3	69.86	46.27	1765.	2.431	5.670
#1	-.1103	-.0108	.7878	.0440	210.6	116.9
#2	-.1135	-.0066	.2768	.3276	220.4	104.5
#3	.0222	-.0257	.6414	-.3167	212.5	112.7

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	1339.	227.2	6368.	-.3469	.1689	.2284
Stddev	6.	1.0	91.	.0646	1.473	2.148
%RSD	.4824	.4467	1.435	18.61	872.4	940.6
#1	1332.	226.1	6296.	-.2782	1.806	1.841
#2	1344.	227.3	6337.	-.3560	-.2498	1.055
#3	1341.	228.1	6471.	-.4064	-1.050	-2.211

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

Sample Name: 460-109452-E-1-B@5 Acquired: 2/29/2016 11:11:33 Type: Unk
Method: sw02152016 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	4.204	.2689	-.2765	454.0	7.077	-.0894
Stddev	3.806	.6907	.0585	1.0	.735	.1686
%RSD	90.53	256.9	21.16	.2280	10.38	188.6
#1	.2320	1.054	-.2257	452.8	7.891	.0773
#2	4.562	-.2436	-.2633	454.4	6.879	-.0855
#3	7.819	-.0041	-.3405	454.7	6.462	-.2600

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	-.2381	26.55	.2687	169.5
Stddev	.0767	.18	.0366	25.0
%RSD	32.21	.6801	13.62	14.77
#1	-.1531	26.42	.2269	174.6
#2	-.2589	26.76	.2842	142.3
#3	-.3022	26.48	.2950	191.6

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	2923.3	36302.	4895.5
Stddev	8.6	53.	11.9
%RSD	.29387	.14582	.24353
#1	2929.7	36294.	4888.4
#2	2926.7	36359.	4909.3
#3	2913.5	36254.	4888.8

Sample Name: 460-109452-E-5-B@5 Acquired: 2/29/2016 11:19:07 Type: Unk
Method: sw02152016 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	38.60	.1489	.6296	57.02	-.0268	12190.
Stddev	2.81	2.050	.3410	.43	.0335	15.
%RSD	7.285	1377.	54.16	.7462	124.8	.1240
#1	41.07	2.506	1.023	57.43	.0114	12170.
#2	39.19	-.8467	.4482	57.05	-.0509	12190.
#3	35.54	-1.213	.4176	56.58	-.0409	12200.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.3456	-.1815	.3695	.1231	14760.	917.3
Stddev	.1747	.1070	.5211	.3360	9.	51.2
%RSD	50.56	58.96	141.0	272.9	.0598	5.581
#1	-.4974	-.2022	-.1518	-.2640	14760.	858.4
#2	-.1546	-.0657	.3701	.3390	14770.	950.9
#3	-.3846	-.2767	.8903	.2944	14750.	942.7

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	3000.	523.2	28560.	-.0202	1.277	-1.757
Stddev	21.	.8	83.	.3835	.167	1.368
%RSD	.7160	.1488	.2919	1899.	13.10	77.88
#1	3021.	524.1	28650.	.3638	1.390	-3.154
#2	3001.	522.7	28550.	-.4032	1.356	-1.700
#3	2978.	522.7	28490.	-.0211	1.085	-.4186

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

Sample Name: 460-109452-E-5-B@5 Acquired: 2/29/2016 11:19:07 Type: Unk
Method: sw02152016 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	.0035	.2018	17.44	44.55	-.2301
Stddev	2.067	.8083	.1654	.18	.64	.2342
%RSD	162.8	22970.	82.00	1.007	1.433	101.8
#1	2.571	.6471	.0146	17.63	45.27	-.0314
#2	-1.113	.2672	.3284	17.37	44.30	-.4882
#3	2.352	-.9037	.2622	17.30	44.07	-.1706

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	-.2357	70.59	.5771	453.4
Stddev	.4630	.37	.0438	4.4
%RSD	196.5	.5304	7.587	.9650
#1	.1099	70.92	.5839	456.6
#2	-.0551	70.67	.6171	455.1
#3	-.7617	70.18	.5304	448.4

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	2926.8	36626.	4968.0
Stddev	9.4	215.	53.0
%RSD	.32054	.58644	1.0675
#1	2924.4	36591.	5008.3
#2	2937.2	36857.	4987.8
#3	2919.0	36431.	4907.9

Sample Name: 460-109452-E-6-B@5 Acquired: 2/29/2016 11:22:56 Type: Unk
Method: sw02152016 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	65.30	1.005	.3927	101.5	-.0161	22510.
Stddev	2.55	.238	.7132	.2	.0450	128.
%RSD	3.911	23.71	181.6	.1859	279.3	.5664
#1	66.27	.9279	-.4171	101.8	.0296	22570.
#2	67.22	1.273	.6677	101.5	-.0177	22590.
#3	62.40	.8153	.9274	101.4	-.0602	22360.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-1.113	-.1558	.8057	.2327	43170.	5851.
Stddev	.200	.3330	.5179	.3396	293.	47.
%RSD	17.98	213.7	64.29	145.9	.6794	.7984
#1	-.9403	.1113	1.383	.5954	43330.	5837.
#2	-1.333	-.0498	.6538	-.0778	43350.	5903.
#3	-1.067	-.5289	.3806	.1806	42830.	5812.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2351.	976.8	57830.	.8139	1.795	-1.650
Stddev	10.	5.2	144.	.3087	.183	.413
%RSD	.4075	.5309	.2494	37.93	10.21	25.03
#1	2361.	981.0	57670.	.5100	2.002	-1.740
#2	2350.	978.4	57960.	1.127	1.653	-2.010
#3	2342.	971.0	57860.	.8046	1.730	-1.199

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

Sample Name: 460-109452-E-6-B@5 Acquired: 2/29/2016 11:22:56 Type: Unk
Method: sw02152016 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	4.406	-.2571	.4234	3638.	26.82	-.8001
Stddev	2.348	.7857	.3970	27.	.39	.0288
%RSD	53.29	305.6	93.77	.7332	1.455	3.597
#1	5.589	.6500	.1932	3648.	27.08	-.8296
#2	1.702	-.7243	.1951	3658.	27.02	-.7988
#3	5.926	-.6970	.8818	3608.	26.38	-.7720

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	-.3786	172.2	.8876	215.8
Stddev	.1230	.5	.1864	6.9
%RSD	32.49	.2679	21.01	3.212
#1	-.5193	171.9	.9482	223.5
#2	-.3253	172.7	1.036	210.0
#3	-.2912	171.9	.6783	214.0

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	2867.0	35756.	4917.8
Stddev	19.9	172.	49.7
%RSD	.69274	.48122	1.0106
#1	2880.8	35763.	4884.8
#2	2844.2	35581.	4893.6
#3	2875.9	35925.	4974.9

Sample Name: 460-109452-E-7-B@5 Acquired: 2/29/2016 11:26:42 Type: Unk
Method: sw02152016 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	62.72	2.928	-.0338	80.99	-.0229	21820.
Stddev	19.29	1.038	.6478	.37	.0620	30.
%RSD	30.75	35.47	1918.	.4566	270.4	.1369
#1	40.82	2.661	-.0644	81.40	.0335	21790.
#2	70.18	4.074	-.6657	80.69	-.0130	21850.
#3	77.17	2.049	.6288	80.89	-.0893	21820.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.0317	.7553	.5829	.3805	693.8	1954.
Stddev	.1098	.2028	.7455	.5247	3.6	40.
%RSD	346.4	26.85	127.9	137.9	.5242	2.060
#1	-.0322	.6793	.8437	.6153	697.6	1983.
#2	.0784	.9851	1.163	-.2206	693.5	1971.
#3	-.1413	.6015	-.2579	.7470	690.4	1908.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5828.	1677.	107500.	1.013	2.658	-2.342
Stddev	15.	2.	84.	.984	.556	2.283
%RSD	.2588	.1139	.0781	97.09	20.91	97.46
#1	5819.	1676.	107400.	-.1010	3.236	-3.785
#2	5819.	1679.	107600.	1.762	2.128	-3.531
#3	5845.	1677.	107500.	1.379	2.610	.2895

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

Sample Name: 460-109452-E-7-B@5 Acquired: 2/29/2016 11:26:42 Type: Unk
Method: sw02152016 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	4.062	2.377	-.2318	8.932	19.15	-.3359
Stddev	2.757	.283	.2882	.934	.11	.1790
%RSD	67.88	11.92	124.3	10.46	.5579	53.27
#1	3.877	2.691	-.5625	8.693	19.05	-.2313
#2	6.907	2.141	-.0987	8.141	19.26	-.2339
#3	1.402	2.299	-.0342	9.962	19.15	-.5426

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	.3271	127.7	.8774	364.0
Stddev	.1529	.1	.1393	9.7
%RSD	46.73	.0908	15.88	2.657
#1	.1516	127.7	.8517	359.5
#2	.3989	127.6	.7527	375.1
#3	.4309	127.8	1.028	357.5

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	2863.3	35812.	4990.0
Stddev	14.7	186.	47.2
%RSD	.51412	.51817	.94684
#1	2847.4	35605.	4947.0
#2	2865.9	35868.	5040.6
#3	2876.5	35963.	4982.3

Sample Name: LB 460-352501/1-H@5 Acquired: 2/29/2016 11:30:32 Type: Unk
Method: sw02152016 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	18.84	.1767	.1490	.0237	.0538	17.21
Stddev	13.44	1.642	.5533	.0890	.1258	4.01
%RSD	71.36	929.3	371.4	376.3	234.0	23.29
#1	16.32	2.016	-.1022	.0388	.0724	17.38
#2	33.36	-.3445	.7832	.1041	.1692	21.13
#3	6.832	-1.142	-.2342	-.0720	-.0803	13.12

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1710	-.1241	.6654	.5820	-1.349	3.075
Stddev	.0709	.1974	.2969	.1908	10.28	20.17
%RSD	41.47	159.1	44.61	32.78	762.4	655.9
#1	-.1138	.0499	.9657	.5904	2.869	.8867
#2	-.2503	-.3386	.3721	.3871	-13.07	-15.91
#3	-.1488	-.0836	.6584	.7684	6.156	24.25

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	-.5007	.0363	F 292200.	.6040	.4608	-1.229
Stddev	3.365	.0645	1173.	.6034	1.384	1.327
%RSD	672.0	177.6	.4015	99.91	300.3	108.0
#1	3.383	.1070	292500.	.1657	-.2472	-2.559
#2	-2.556	-.0192	293100.	.3540	2.055	-1.222
#3	-2.329	.0211	290900.	1.292	-.4256	.0947

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

Sample Name: LB 460-352501/1-H@5 Acquired: 2/29/2016 11:30:32 Type: Unk
Method: sw02152016 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	2.061	-.8149	-.2455	.5923	2.233	-.3841
Stddev	2.149	1.533	.3991	.1498	.631	.2063
%RSD	104.3	188.1	162.6	25.29	28.26	53.71
#1	4.474	.1286	-.0503	.7595	2.852	-.6141
#2	.3557	.0103	.0184	.4706	2.258	-.3231
#3	1.353	-2.584	-.7046	.5466	1.590	-.2152

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	-.2973	-.0696	-.0091	31.43
Stddev	.8953	.0335	.2076	14.39
%RSD	301.1	48.08	2284.	45.77
#1	-.9920	-.1023	-.2471	42.95
#2	.7131	-.0354	.0851	15.30
#3	-.6130	-.0711	.1347	36.05

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2812.3	35259.	4930.6
Stddev	10.6	115.	34.0
%RSD	.37741	.32723	.69006
#1	2821.7	35315.	4969.9
#2	2800.8	35126.	4911.6
#3	2814.4	35335.	4910.3

Sample Name: CCV Acquired: 2/29/2016 11:34:30 Type: QC
Method: sw02152016 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	127400.	2484.	1256.	10170.	1027.	126900.
Stddev	988.	5.	8.	23.	2.	383.
%RSD	.7755	.1926	.6468	.2262	.1703	.3021

#1	126300.	2485.	1247.	10160.	1025.	126500.
#2	127800.	2489.	1263.	10190.	1029.	127300.
#3	128100.	2479.	1257.	10150.	1027.	126900.

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	1269.	2544.	5096.	12560.	102600.	50450.
Stddev	4.	7.	15.	53.	418.	451.
%RSD	.3188	.2675	.3008	.4208	.4076	.8948

#1	1267.	2539.	5102.	12500.	102100.	49940.
#2	1273.	2552.	5107.	12590.	102900.	50610.
#3	1266.	2540.	5078.	12590.	102700.	50800.

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	125400.	5141.	125900.	2541.	7616.	999.6
Stddev	492.	11.	932.	8.	26.	3.0
%RSD	.3922	.2234	.7399	.3009	.3436	.2955

#1	124900.	5129.	124800.	2542.	7620.	996.3
#2	125800.	5152.	126400.	2548.	7640.	1001.
#3	125500.	5141.	126500.	2533.	7588.	1002.

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

Sample Name: CCV Acquired: 2/29/2016 11:34:30 Type: QC
Method: sw02152016 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	2485.	2581.	2549.	2568.	1003.	2540.
Stddev	6.	5.	7.	13.	1.	6.
%RSD	.2514	.2073	.2570	.5085	.1296	.2427

#1	2488.	2575.	2545.	2565.	1001.	2535.
#2	2488.	2586.	2556.	2582.	1004.	2547.
#3	2477.	2581.	2545.	2557.	1002.	2539.

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	1017.	5093.	10330.	9858.
Stddev	3.	30.	63.	120.
%RSD	.3157	.5972	.6130	1.217

#1	1016.	5058.	10270.	9780.
#2	1020.	5111.	10320.	9996.
#3	1014.	5110.	10400.	9797.

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	2734.4	34486.	4857.2
Stddev	15.1	171.	24.9
%RSD	.55144	.49665	.51295

#1	2732.4	34509.	4862.1
#2	2720.4	34305.	4879.2
#3	2750.4	34645.	4830.1

Sample Name: CCVL Acquired: 2/29/2016 11:42:01 Type: QC
Method: sw02152016 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	230.2	16.12	10.07	214.7	2.082	5205.
Stddev	8.9	1.61	.22	.3	.147	34.
%RSD	3.880	9.992	2.222	.1547	7.046	.6541
#1	220.8	17.95	9.868	214.7	2.159	5165.
#2	231.4	15.53	10.31	215.1	2.174	5223.
#3	238.5	14.89	10.02	214.4	1.913	5225.

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	4.216	54.71	11.29	25.39	169.0	4967.
Stddev	.032	.40	.34	.20	9.2	18.
%RSD	.7674	.7244	2.969	.7912	5.427	.3560
#1	4.251	54.43	11.14	25.21	158.6	4957.
#2	4.212	55.16	11.06	25.61	172.6	4957.
#3	4.186	54.54	11.67	25.37	175.8	4988.

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	5125.	16.43	5101.	44.03	12.07	19.22
Stddev	5.	.08	12.	.68	1.79	.50
%RSD	.0976	.5120	.2257	1.539	14.82	2.589
#1	5120.	16.45	5105.	43.25	14.04	18.67
#2	5130.	16.33	5088.	44.39	11.64	19.65
#3	5125.	16.49	5111.	44.45	10.54	19.33

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

Sample Name: CCVL Acquired: 2/29/2016 11:42:01 Type: QC
Method: sw02152016 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	21.99	24.67	52.08	32.73	50.58	20.81
Stddev	.68	1.73	.48	.15	.74	.44
%RSD	3.092	7.020	.9288	.4706	1.462	2.098
#1	21.92	25.36	51.53	32.70	51.01	20.98
#2	21.35	22.70	52.27	32.89	51.01	21.14
#3	22.70	25.95	52.45	32.59	49.73	20.31

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	51.96	20.97	21.21	F 14.03
Stddev	.67	.20	.10	8.23
%RSD	1.294	.9439	.4586	58.64
#1	51.74	20.75	21.14	12.16
#2	52.72	21.13	21.33	6.893
#3	51.43	21.04	21.17	23.03

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	2953.8	37144.	5123.5
Stddev	26.9	531.	79.4
%RSD	.90920	1.4288	1.5499
#1	2980.9	37666.	5199.3
#2	2953.2	37160.	5130.3
#3	2927.2	36605.	5040.9

Sample Name: LB 460-352782/1-E@5 Acquired: 2/29/2016 12:00:17 Type: Unk
Method: sw02152016(v2) 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	11.16	-1.273	.2556	.0028	-.0065	8.197
Stddev	12.35	1.422	.4046	.0727	.0217	3.940
%RSD	110.6	111.7	158.3	2639.	333.0	48.07
#1	12.57	-2.813	.5807	.0572	-.0147	6.735
#2	-1.829	-.0101	.3837	.0308	-.0230	12.66
#3	22.75	-.9961	-.1976	-.0797	.0181	5.198

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.0349	-.0522	.8124	.4207	-6.163	23.94
Stddev	.0937	.1546	.1788	.1238	10.47	35.04
%RSD	268.6	296.3	22.01	29.42	169.9	146.4
#1	-.1015	.0738	.9549	.4862	-7.872	35.78
#2	.0722	-.0056	.8705	.2779	-15.67	51.52
#3	-.0753	-.2246	.6118	.4980	5.057	-15.49

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.322	.0327	F 302400.	.7869	-.0085	-1.240
Stddev	1.721	.0525	4874.	.3955	1.069	.843
%RSD	74.12	160.8	1.612	50.26	12520.	67.99
#1	-3.786	.0068	296800.	.6343	-.4272	-.7624
#2	-4.265	.0931	304500.	.4905	1.207	-.7444
#3	-2.752	-.0019	305900.	1.236	-.8053	-2.214

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

Sample Name: LB 460-352782/1-E@5 Acquired: 2/29/2016 12:00:17 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.311	-.2108	-.4800	.5468	1.856	-.3212
Stddev	4.977	1.944	.2345	.0705	.207	.1018
%RSD	379.5	922.1	48.86	12.90	11.13	31.71
#1	7.055	-2.418	-.5549	.6041	1.662	-.2197
#2	-1.730	1.246	-.2172	.4680	2.073	-.4233
#3	-1.390	.5399	-.6681	.5682	1.832	-.3205

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	.3713	-.1500	-.0257	22.69
Stddev	.4452	.0650	.0852	21.68
%RSD	119.9	43.32	331.2	95.53
#1	.8523	-.0751	-.0381	47.44
#2	-.0263	-.1828	-.1041	13.59
#3	.2880	-.1920	.0650	7.050

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2811.3	35231.	4963.5
Stddev	9.8	149.	52.4
%RSD	.34732	.42383	1.0566
#1	2806.8	35075.	4921.4
#2	2804.5	35246.	4946.8
#3	2822.4	35372.	5022.2

Sample Name: LB 460-352899/1-B@5 Acquired: 2/29/2016 12:04:19 Type: Unk
Method: sw02152016(v2) 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	99.55	.8218	-.0373	.6161	.0796	240.8
Stddev	3.13	1.249	.1351	.0642	.0779	5.1
%RSD	3.142	152.0	362.5	10.41	97.85	2.135
#1	103.2	.0545	.1157	.5963	.1687	237.2
#2	97.57	2.263	-.0873	.6878	.0243	246.7
#3	97.92	.1478	-.1402	.5642	.0458	238.5

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1165	.1414	1.815	3.139	112.8	17.56
Stddev	.0468	.0905	.547	.210	12.4	12.26
%RSD	40.21	64.01	30.16	6.688	10.97	69.82
#1	-.0624	.0381	2.386	3.247	102.4	20.16
#2	-.1413	.1793	1.764	2.897	126.5	28.31
#3	-.1456	.2069	1.295	3.272	109.6	4.209

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	55.25	2.701	164.7	1.475	.1507	-2.376
Stddev	2.61	.098	40.0	.117	.9032	1.089
%RSD	4.722	3.617	24.26	7.956	599.4	45.83
#1	55.74	2.750	210.6	1.603	-.2748	-2.657
#2	57.58	2.765	146.0	1.448	-.4612	-3.297
#3	52.44	2.589	137.6	1.373	1.188	-1.174

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

Sample Name: LB 460-352899/1-B@5 Acquired: 2/29/2016 12:04:19 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.929	.6498	.1965	3.082	1.405	-.1086
Stddev	2.128	.7796	.1879	.242	.301	.1008
%RSD	54.15	120.0	95.60	7.841	21.42	92.83
#1	3.045	1.538	.4042	3.348	1.122	-.2095
#2	2.385	.3304	.0383	3.022	1.372	-.1084
#3	6.356	.0806	.1472	2.876	1.721	-.0079

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	.4980	.8575	1.225	11.45
Stddev	.5036	.0315	.090	9.19
%RSD	101.1	3.671	7.319	80.23
#1	.9636	.8548	1.290	18.79
#2	-.0366	.8274	1.262	14.41
#3	.5668	.8902	1.123	1.150

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2966.8	37474.	5169.6
Stddev	9.3	411.	88.9
%RSD	.31467	1.0955	1.7205
#1	2956.8	37005.	5067.2
#2	2975.4	37770.	5227.4
#3	2968.1	37647.	5214.2

Sample Name: MB 460-353000/1-A@2 Acquired: 2/29/2016 12:08:12 Type: Unk
Method: sw02152016(v2) 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	1.012	.4875	.1928	-.0998	.1163	6.097
Stddev	6.600	1.606	.3332	.0210	.0888	2.017
%RSD	652.2	329.5	172.9	21.06	76.29	33.08

#1	2.998	-1.335	.4058	-.1228	.0577	4.388
#2	6.391	1.698	-.1912	-.0947	.0728	8.322
#3	-6.353	1.099	.3638	-.0817	.2184	5.582

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.0590	.0914	.2653	-.0262	-2.793	-3.361
Stddev	.0459	.2294	.3990	.0137	5.567	33.36
%RSD	77.78	250.9	150.4	52.27	199.3	992.5

#1	-.0821	.3519	.4472	-.0128	3.092	-37.99
#2	-.0889	-.0808	-.1922	-.0402	-7.976	-.6574
#3	-.0062	.0033	.5411	-.0255	-3.496	28.56

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1279	-.0498	15.86	-.0267	-.2707	-.7898
Stddev	2.450	.0250	5.01	.0974	1.184	2.001
%RSD	1915.	50.19	31.60	365.2	437.3	253.3

#1	-.6267	-.0250	16.35	.0838	-1.428	-2.048
#2	2.867	-.0493	20.61	-.1001	-.3223	-1.839
#3	-1.856	-.0749	10.62	-.0636	.9380	1.517

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

Sample Name: MB 460-353000/1-A@2 Acquired: 2/29/2016 12:08:12 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.042	1.048	-.1816	.5819	-1.261	-.2727
Stddev	2.248	1.722	.2760	.2060	.409	.1745
%RSD	55.61	164.3	151.9	35.41	32.40	64.01
#1	2.162	-.3661	-.4785	.4779	-1.719	-.2594
#2	6.533	.5454	-.1336	.4486	-1.134	-.1052
#3	3.433	2.965	.0672	.8192	-.9320	-.4535

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	-.0832	-.0985	-.2137	.8594
Stddev	.4162	.1076	.1036	7.186
%RSD	500.2	109.2	48.47	836.2
#1	-.5504	.0224	-.2154	9.116
#2	.0525	-.1837	-.1093	-3.987
#3	.2482	-.1344	-.3164	-2.550

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2924.6	36728.	4960.5
Stddev	12.2	216.	28.9
%RSD	.41699	.58889	.58360
#1	2936.0	36579.	4979.5
#2	2926.0	36976.	4974.9
#3	2911.8	36630.	4927.2

Sample Name: 460-109419-A-49-C DU Acquired: 2/29/2016 12:15:38 Type: Unk
Method: sw02152016(v2) 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	12010.	7.743	-3413	49.78	1.509	3682.
Stddev	123.	2.521	.1680	.09	.030	21.
%RSD	1.028	32.55	49.20	.1870	1.971	.5746
#1	11870.	9.876	-.5297	49.85	1.516	3664.
#2	12100.	4.961	-.2870	49.82	1.535	3676.
#3	12050.	8.393	-.2073	49.68	1.476	3705.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.8678	5.740	54.18	33.12	50520.	1969.
Stddev	.1837	.063	.80	.33	198.	38.
%RSD	21.17	1.090	1.468	.9840	.3916	1.926
#1	-.6844	5.811	53.27	33.46	50320.	1927.
#2	-.8671	5.692	54.51	32.81	50520.	1980.
#3	-1.052	5.717	54.75	33.07	50720.	2000.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3335.	130.1	2913.	13.89	17.40	.7836
Stddev	13.	.4	28.	.36	.38	1.350
%RSD	.3950	.2709	.9725	2.620	2.207	172.3
#1	3322.	129.9	2884.	14.01	17.75	-.3771
#2	3333.	129.8	2940.	13.49	16.99	2.266
#3	3348.	130.5	2916.	14.19	17.46	.4620

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

Sample Name: 460-109419-A-49-C DU Acquired: 2/29/2016 12:15:38 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.026	-3.321	65.77	29.20	5.492	1.466
Stddev	4.591	.203	.56	.09	.298	.068
%RSD	151.7	6.104	.8475	.3009	5.428	4.619
#1	-0.6447	-3.308	65.29	29.28	5.477	1.534
#2	1.550	-3.126	66.38	29.21	5.798	1.398
#3	8.174	-3.530	65.65	29.11	5.202	1.467

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	4.768	24.75	673.5	993.5
Stddev	.455	.13	1.4	31.4
%RSD	9.545	.5318	.2004	3.159
#1	5.135	24.61	672.0	962.9
#2	4.911	24.87	673.9	991.8
#3	4.259	24.77	674.6	1026.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2984.2	37620.	5206.3
Stddev	12.0	121.	35.6
%RSD	.40129	.32189	.68364
#1	2970.6	37532.	5166.8
#2	2988.5	37758.	5215.9
#3	2993.3	37570.	5236.0

Sample Name: 460-109419-A-49-B@4 Acquired: 2/29/2016 12:19:27 Type: Unk
Method: sw02152016(v2) 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	12110.	4.433	-.2157	49.57	1.512	3693.
Stddev	110.	.682	.4158	.54	.022	21.
%RSD	.9042	15.39	192.8	1.079	1.448	.5627
#1	12020.	4.960	-.6889	48.95	1.487	3674.
#2	12230.	3.663	-.0502	49.84	1.522	3690.
#3	12080.	4.678	.0918	49.91	1.527	3715.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-1.170	5.675	54.26	32.80	50640.	1991.
Stddev	.052	.380	.29	.31	136.	20.
%RSD	4.461	6.698	.5409	.9323	.2689	1.014
#1	-1.125	5.946	54.06	32.76	50630.	1970.
#2	-1.227	5.839	54.13	32.51	50510.	2010.
#3	-1.157	5.241	54.60	33.12	50780.	1995.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3324.	130.2	2913.	13.67	18.61	.4608
Stddev	23.	.6	27.	.32	2.82	.9149
%RSD	.6905	.4696	.9388	2.352	15.15	198.5
#1	3309.	129.8	2882.	13.36	18.68	-.4160
#2	3314.	129.8	2927.	14.00	15.76	.3888
#3	3351.	130.9	2932.	13.65	21.40	1.410

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

Sample Name: 460-109419-A-49-B@4 Acquired: 2/29/2016 12:19:27 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.869	-3.854	65.90	29.28	5.182	1.370
Stddev	1.957	1.157	.42	.24	.260	.131
%RSD	24.87	30.03	.6406	.8217	5.010	9.567
#1	5.689	-2.918	66.02	29.49	5.372	1.495
#2	8.443	-5.148	65.43	29.02	5.287	1.383
#3	9.473	-3.495	66.25	29.34	4.886	1.234

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	4.169	25.05	674.8	1005.
Stddev	1.156	.07	.3	23.
%RSD	27.73	.2741	.0462	2.287
#1	4.462	25.00	675.1	1015.
#2	2.895	25.13	674.9	1021.
#3	5.151	25.03	674.5	978.4

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	2954.4	37241.	5111.8
Stddev	2.3	117.	57.5
%RSD	.07891	.31451	1.1252
#1	2954.9	37288.	5171.2
#2	2951.8	37327.	5056.3
#3	2956.4	37107.	5107.9

Sample Name: 460-109419-A-49-D MS Acquired: 2/29/2016 12:27:04 Type: Unk
Method: sw02152016(v2) 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	33430.	934.2	23.59	1067.	26.85	13500.
Stddev	356.	2.9	.84	1.	.43	36.
%RSD	1.065	.3054	3.554	.1114	1.606	.2703
#1	33040.	937.4	22.99	1068.	26.36	13460.
#2	33500.	931.9	24.54	1068.	27.00	13530.
#3	33740.	933.3	23.22	1066.	27.18	13510.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	23.78	271.6	158.9	156.6	51060.	10020.
Stddev	.25	.3	.6	.4	197.	62.
%RSD	1.066	.0933	.3507	.2408	.3864	.6182
#1	23.51	271.5	158.3	156.6	50860.	9960.
#2	23.81	271.9	159.3	157.0	51260.	10080.
#3	24.01	271.5	159.1	156.2	51070.	10020.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15450.	584.7	12520.	276.4	283.0	100.9
Stddev	40.	.9	74.	.6	2.2	.7
%RSD	.2612	.1533	.5942	.2034	.7796	.7109
#1	15470.	584.2	12440.	275.9	285.3	101.3
#2	15470.	585.7	12570.	277.0	282.8	100.1
#3	15400.	584.2	12560.	276.3	280.9	101.4

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

Sample Name: 460-109419-A-49-D MS Acquired: 2/29/2016 12:27:04 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	937.5	1040.	320.9	288.4	221.6	239.7
Stddev	3.3	4.	.2	1.8	.2	.6
%RSD	.3570	.3440	.0568	.6097	.1125	.2399
#1	933.9	1037.	320.9	286.4	221.5	239.5
#2	940.6	1044.	321.0	289.1	221.8	240.4
#3	938.1	1040.	320.7	289.8	221.3	239.2

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	245.7	279.9	852.2	2066.
Stddev	.6	1.4	3.1	26.
%RSD	.2266	.4969	.3662	1.253
#1	245.1	278.3	849.1	2037.
#2	245.9	280.6	852.2	2084.
#3	246.2	280.8	855.3	2079.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2959.9	37125.	5210.3
Stddev	17.9	358.	60.8
%RSD	.60482	.96515	1.1677
#1	2943.7	36771.	5142.3
#2	2957.0	37117.	5259.4
#3	2979.1	37488.	5229.4

Sample Name: LCSSRM 460-353000/2- Acquired: 2/29/2016 12:12:05 Type: Unk
Method: sw02152016(v2) 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	35500.	482.6	194.1	1616.	338.3	32550.
Stddev	459.	3.0	.5	5.	2.7	91.
%RSD	1.292	.6133	.2595	.3125	.8015	.2810

#1	34990.	480.5	193.7	1611.	335.3	32440.
#2	35620.	481.2	194.0	1615.	339.2	32580.
#3	35880.	486.0	194.7	1621.	340.5	32610.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	778.1	879.4	961.5	538.5	69670.	11750.
Stddev	.6	2.1	1.6	2.0	384.	119.
%RSD	.0824	.2406	.1631	.3736	.5508	1.011

#1	777.4	881.7	962.2	536.3	69270.	11620.
#2	778.4	877.5	959.7	540.3	70040.	11760.
#3	778.6	879.1	962.6	538.9	69690.	11860.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12470.	2185.	12890.	826.0	679.3	294.0
Stddev	13.	5.	166.	2.3	2.5	2.8
%RSD	.1025	.2170	1.289	.2738	.3715	.9389

#1	12460.	2179.	12700.	823.9	677.9	295.3
#2	12470.	2188.	12960.	825.6	677.9	290.8
#3	12480.	2188.	13010.	828.4	682.2	295.8

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

Sample Name: LCSSRM 460-353000/2- Acquired: 2/29/2016 12:12:05 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	766.6	988.2	496.8	1003.	677.7	863.1
Stddev	3.1	2.5	3.0	1.	1.6	2.7
%RSD	.4107	.2517	.6011	.0660	.2373	.3094
#1	763.1	990.0	493.3	1002.	676.9	861.0
#2	767.2	985.4	498.8	1002.	676.7	862.3
#3	769.3	989.2	498.1	1003.	679.6	866.1

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	523.7	435.0	1914.	1528.
Stddev	2.2	3.5	7.	22.
%RSD	.4140	.7978	.3419	1.448
#1	521.8	431.0	1907.	1510.
#2	523.3	436.8	1917.	1553.
#3	526.1	437.3	1919.	1522.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2985.1	37815.	5291.9
Stddev	5.2	331.	53.5
%RSD	.17381	.87573	1.0117
#1	2980.3	37433.	5251.5
#2	2984.3	38021.	5352.6
#3	2990.6	37991.	5271.4

Sample Name: sd 460-109419-A-49-B Acquired: 2/29/2016 12:23:13 Type: Unk
Method: sw02152016(v2) 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	2365.	1.965	-.5471	9.875	.3519	736.6
Stddev	28.	.608	.4100	.076	.0854	14.8
%RSD	1.174	30.94	74.95	.7696	24.27	2.015
#1	2335.	1.290	-.3828	9.818	.3844	722.0
#2	2390.	2.470	-1.014	9.962	.4163	736.1
#3	2371.	2.133	-.2447	9.847	.2550	751.7

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3120	1.019	10.60	6.279	10110.	376.7
Stddev	.1138	.123	.77	.225	94.	22.3
%RSD	36.48	12.03	7.232	3.581	.9300	5.918
#1	-.1845	1.158	11.48	6.037	10010.	352.4
#2	-.3481	.9718	10.09	6.317	10140.	396.3
#3	-.4033	.9267	10.24	6.482	10190.	381.4

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	671.1	25.76	574.1	2.974	4.038	-.7581
Stddev	3.6	.13	10.0	.302	2.111	.1740
%RSD	.5401	.5058	1.738	10.14	52.27	22.96
#1	673.0	25.65	585.5	2.888	6.467	-.7222
#2	666.9	25.73	569.8	2.725	2.644	-.9473
#3	673.4	25.91	566.9	3.310	3.005	-.6048

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

Sample Name: sd 460-109419-A-49-B Acquired: 2/29/2016 12:23:13 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.371	-8.182	12.56	5.755	.5822	.0418
Stddev	3.284	1.799	.21	.072	.3732	.1204
%RSD	138.5	219.9	1.658	1.254	64.10	287.7
#1	-1.411	-9.082	12.69	5.762	.6125	-.0411
#2	4.497	1.024	12.32	5.824	.9393	.1799
#3	4.027	-2.570	12.67	5.680	.1948	-.0133

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	1.073	4.823	132.9	198.2
Stddev	.244	.043	.6	19.9
%RSD	22.71	.8845	.4220	10.05
#1	1.189	4.861	132.3	180.4
#2	.7926	4.777	133.0	219.8
#3	1.236	4.830	133.4	194.5

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	2942.5	37009.	5123.5
Stddev	15.4	363.	6.5
%RSD	.52354	.98197	.12696
#1	2952.8	37370.	5116.0
#2	2950.0	37014.	5128.1
#3	2924.8	36643.	5126.3

Sample Name: CCV Acquired: 2/29/2016 12:37:57 Type: QC
Method: sw02152016(v2) 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	121000.	2482.	1217.	10100.	995.6	126200.
Stddev	1152.	4.	3.	39.	7.4	380.
%RSD	.9526	.1702	.2573	.3825	.7464	.3008

#1	119700.	2477.	1215.	10050.	987.1	125700.
#2	121700.	2485.	1216.	10120.	1001.	126400.
#3	121500.	2483.	1221.	10120.	998.7	126300.

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	1262.	2504.	5107.	12230.	99660.	48720.
Stddev	5.	10.	22.	49.	163.	498.
%RSD	.3769	.4071	.4299	.3979	.1633	1.021

#1	1256.	2492.	5083.	12200.	99480.	48140.
#2	1265.	2509.	5124.	12200.	99790.	48980.
#3	1264.	2510.	5116.	12280.	99710.	49030.

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	125600.	5077.	123800.	2541.	7635.	974.2
Stddev	379.	14.	1356.	9.	31.	4.1
%RSD	.3014	.2735	1.096	.3464	.4099	.4234

#1	125200.	5062.	122200.	2532.	7600.	970.0
#2	125800.	5083.	124500.	2544.	7659.	974.4
#3	125800.	5087.	124600.	2549.	7647.	978.2

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

Sample Name: CCV Acquired: 2/29/2016 12:37:57 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2496.	2524.	2505.	2543.	998.2	2508.
Stddev	13.	6.	7.	15.	4.7	10.
%RSD	.5390	.2271	.2604	.5755	.4718	.3905

#1	2488.	2518.	2497.	2526.	993.4	2497.
#2	2489.	2527.	2507.	2555.	998.4	2510.
#3	2512.	2528.	2510.	2547.	1003.	2516.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1010.	4942.	9958.	9558.
Stddev	5.	47.	90.	170.
%RSD	.5379	.9501	.9007	1.783

#1	1004.	4888.	10050.	9363.
#2	1013.	4965.	9874.	9677.
#3	1014.	4974.	9947.	9634.

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	2776.8	35025.	4991.3
Stddev	19.4	167.	27.1
%RSD	.69913	.47634	.54198

#1	2798.2	35137.	5001.0
#2	2760.3	34833.	4960.8
#3	2771.9	35105.	5012.2

Sample Name: 460-109273-F-2-B@10 Acquired: 2/29/2016 12:49:20 Type: Unk
Method: sw02152016(v2) 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	12970.	28.78	1.020	73.68	1.285	9552.
Stddev	572.	2.20	.261	2.76	.136	372.
%RSD	4.413	7.643	25.56	3.745	10.56	3.889
#1	12370.	26.36	.8422	70.95	1.412	9172.
#2	13030.	30.65	.8991	73.62	1.142	9569.
#3	13510.	29.34	1.320	76.47	1.301	9914.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-1.372	6.585	331.3	28.43	108400.	2392.
Stddev	.109	.201	12.0	1.31	4147.	114.
%RSD	7.937	3.052	3.609	4.590	3.827	4.750
#1	-1.254	6.364	319.1	27.06	104300.	2294.
#2	-1.394	6.635	331.8	28.59	108300.	2366.
#3	-1.468	6.756	343.0	29.65	112600.	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	2369.	948.4	24.04	20.76	34.96	1.420
Stddev	87.	34.5	5.00	1.56	2.59	.532
%RSD	3.686	3.638	20.79	7.493	7.396	37.49
#1	2279.	914.2	22.71	19.43	32.25	1.615
#2	2374.	947.9	29.56	20.39	35.25	1.826
#3	2454.	983.2	19.83	22.47	37.39	.8173

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

Sample Name: 460-109273-F-2-B@10 Acquired: 2/29/2016 12:49:20 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.47	-1.968	177.4	218.0	14.20	1.962
Stddev	4.02	1.501	6.9	7.7	.10	.330
%RSD	38.37	76.29	3.904	3.532	.6737	16.83
#1	5.843	-1.140	170.5	210.3	14.14	1.966
#2	13.09	-3.701	177.1	217.9	14.31	2.290
#3	12.47	-1.063	184.4	225.7	14.15	1.630

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	2.494	31.76	357.7	629.5
Stddev	.744	1.26	13.3	30.3
%RSD	29.84	3.979	3.723	4.805
#1	1.641	30.47	344.4	615.4
#2	2.832	31.81	357.7	608.9
#3	3.010	33.00	371.0	664.2

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	2960.8	37097.	5132.6
Stddev	16.9	197.	6.2
%RSD	.56989	.53149	.12085
#1	2945.5	36875.	5139.3
#2	2978.9	37162.	5127.1
#3	2958.1	37253.	5131.3

Sample Name: pds 460-109419-A-49- Acquired: 2/29/2016 12:30:41 Type: Unk
Method: sw02152016(v2) 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	13770.	1870.	46.56	2038.	52.48	22980.
Stddev	86.	15.	.48	12.	.37	57.
%RSD	.6265	.8062	1.021	.5899	.7125	.2479
#1	13680.	1887.	47.06	2051.	52.05	22960.
#2	13850.	1858.	46.51	2036.	52.75	22940.
#3	13770.	1865.	46.11	2027.	52.62	23040.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	48.94	511.3	258.9	271.4	49540.	19630.
Stddev	.31	2.1	2.1	1.2	51.	40.
%RSD	.6322	.4187	.7990	.4596	.1024	.2017
#1	49.29	513.7	257.7	272.7	49550.	19650.
#2	48.77	510.7	257.7	270.2	49490.	19580.
#3	48.75	509.6	261.3	271.4	49590.	19650.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21940.	628.3	22020.	530.7	527.1	462.7
Stddev	52.	.8	88.	2.9	4.3	4.4
%RSD	.2386	.1260	.3981	.5407	.8087	.9453
#1	21980.	629.0	21950.	534.0	531.8	467.7
#2	21880.	627.4	22000.	529.6	523.4	460.2
#3	21960.	628.4	22120.	528.6	526.2	460.1

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

Sample Name: pds 460-109419-A-49- Acquired: 2/29/2016 12:30:41 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1915.	2092.	563.3	537.7	489.1	497.1
Stddev	15.	10.	3.3	.9	3.6	1.8
%RSD	.8066	.4887	.5944	.1737	.7341	.3522
#1	1933.	2104.	562.8	536.7	493.1	498.8
#2	1907.	2088.	560.1	538.5	487.8	497.2
#3	1905.	2085.	566.8	538.0	486.3	495.3

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	511.1	516.5	1160.	1027.
Stddev	1.1	1.1	2.	28.
%RSD	.2240	.2045	.1647	2.717
#1	512.1	515.9	1161.	995.8
#2	509.8	515.8	1161.	1036.
#3	511.2	517.7	1158.	1050.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2994.5	37735.	5232.6
Stddev	9.6	129.	71.1
%RSD	.32072	.34175	1.3582
#1	2985.0	37611.	5151.5
#2	2994.2	37869.	5283.8
#3	3004.2	37725.	5262.6

Sample Name: 460-109429-A-17-A@4 Acquired: 2/29/2016 13:04:22 Type: Unk
Method: sw02152016(v2) 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	40480.	12.51	-5691	312.3	2.172	197200.
Stddev	363.	4.07	.3054	.8	.024	1463.
%RSD	.8968	32.55	53.66	.2483	1.112	.7422

#1	40060.	12.46	-.7012	311.8	2.153	195500.
#2	40650.	8.465	-.2199	312.0	2.199	198100.
#3	40730.	16.61	-.7863	313.2	2.162	198000.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.5044	16.62	49.24	44.97	43010.	3172.
Stddev	.0517	.07	.19	.29	310.	54.
%RSD	10.24	.4434	.3905	.6456	.7206	1.694

#1	-.5303	16.71	49.34	44.65	42660.	3110.
#2	-.5380	16.58	49.02	45.06	43130.	3206.
#3	-.4449	16.58	49.36	45.21	43240.	3199.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12760.	2200.	661.4	35.97	167.1	-2.053
Stddev	80.	13.	5.2	.61	.5	.749
%RSD	.6257	.6066	.7874	1.701	.3231	36.48

#1	12670.	2185.	658.1	36.51	166.6	-2.855
#2	12810.	2208.	667.4	35.31	167.0	-1.371
#3	12810.	2208.	658.7	36.09	167.7	-1.935

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

Sample Name: 460-109429-A-17-A@4 Acquired: 2/29/2016 13:04:22 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.838	1.005	72.80	111.8	13.25	.7416
Stddev	.532	1.609	.51	.6	.57	.2163
%RSD	18.74	160.1	.7013	.5290	4.326	29.17
#1	2.576	-.5451	72.21	111.2	12.82	.4939
#2	2.489	.8934	73.12	112.0	13.03	.8381
#3	3.450	2.668	73.06	112.3	13.90	.8929

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	6.979	627.8	1154.	1046.
Stddev	.229	4.9	5.	11.
%RSD	3.281	.7819	.4100	1.016
#1	6.982	622.7	1149.	1034.
#2	6.749	628.2	1155.	1051.
#3	7.207	632.5	1159.	1054.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2914.1	36574.	5133.7
Stddev	4.2	198.	39.9
%RSD	.14387	.54029	.77700
#1	2914.6	36750.	5093.8
#2	2918.0	36361.	5133.5
#3	2909.6	36612.	5173.6

Sample Name: 460-109273-F-1-B@10 Acquired: 2/29/2016 12:34:13 Type: Unk
Method: sw02152016(v2) 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	18690.	41.64	1.182	86.93	3.009	12010.
Stddev	297.	1.25	.154	2.77	.069	268.
%RSD	1.591	2.994	13.05	3.186	2.275	2.234
#1	18370.	41.97	1.042	84.43	2.966	11750.
#2	18730.	40.26	1.157	86.47	2.973	12010.
#3	18960.	42.69	1.348	89.91	3.088	12280.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-2.426	16.12	254.7	17.64	158000.	3998.
Stddev	.218	.53	6.7	.23	3342.	74.
%RSD	8.968	3.294	2.633	1.288	2.116	1.854
#1	-2.590	15.55	248.3	17.41	154900.	3917.
#2	-2.510	16.20	254.1	17.66	157600.	4013.
#3	-2.179	16.60	261.6	17.86	161500.	4063.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3907.	476.2	112.3	40.86	38.62	4.295
Stddev	95.	9.9	2.6	1.51	.37	1.573
%RSD	2.439	2.083	2.283	3.687	.9678	36.63
#1	3810.	466.8	115.3	39.51	38.27	2.832
#2	3911.	475.3	110.7	40.58	38.59	5.959
#3	4001.	486.6	111.0	42.48	39.01	4.094

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

Sample Name: 460-109273-F-1-B@10 Acquired: 2/29/2016 12:34:13 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.656	-1.765	271.5	268.4	32.46	1.464
Stddev	4.319	.734	5.9	6.2	.50	.176
%RSD	44.73	41.58	2.173	2.297	1.541	12.03
#1	9.741	-1.335	266.2	262.5	31.93	1.262
#2	5.295	-2.613	270.6	267.9	32.52	1.544
#3	13.93	-1.348	277.9	274.8	32.93	1.586

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	2.333	47.18	572.4	649.6
Stddev	1.130	1.02	10.7	23.9
%RSD	48.42	2.156	1.862	3.687
#1	2.518	46.38	563.2	623.8
#2	1.122	46.83	570.0	653.8
#3	3.359	48.32	584.1	671.2

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	3026.4	37849.	5229.8
Stddev	8.8	43.	21.7
%RSD	.29016	.11398	.41585
#1	3033.9	37829.	5206.9
#2	3028.6	37820.	5232.5
#3	3016.7	37899.	5250.1

Sample Name: CCB Acquired: 2/29/2016 12:41:35 Type: QC
Method: sw02152016(v2) 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	25.38	-.5807	-.1215	.3984	.1193	1.858
Stddev	17.84	.8747	.5418	.1331	.1182	3.295
%RSD	70.29	150.6	445.8	33.42	99.03	177.4
#1	45.95	-.0417	.4088	.4832	.2552	-1.296
#2	14.36	-.1105	-.6742	.2449	.0619	5.277
#3	15.82	-1.590	-.0992	.4671	.0408	1.591

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0003	.0720	.4762	.1855	15.85	.6006
Stddev	.1071	.2326	.3322	.3358	11.34	31.41
%RSD	40090.	323.2	69.76	181.1	71.55	5229.
#1	.1142	.3335	.8411	.0643	24.75	24.24
#2	-.0152	-.0055	.3965	.5651	3.082	12.60
#3	-.0982	-.1120	.1911	-.0730	19.70	-35.04

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5908	.1868	18.87	-.1690	-.5053	-1.256
Stddev	3.174	.0255	21.81	.1918	.4402	.545
%RSD	537.3	13.67	115.6	113.5	87.10	43.40
#1	-2.732	.1888	43.41	.0324	-1.010	-1.543
#2	3.592	.2112	11.55	-.3495	-.3016	-1.599
#3	.9129	.1603	1.671	-.1897	-.2040	-.6276

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

Sample Name: CCB Acquired: 2/29/2016 12:41:35 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.056	1.429	-.1366	.0551	1.072	.9045
Stddev	1.911	1.077	.0993	.1918	.561	.6083
%RSD	62.52	75.41	72.73	348.1	52.33	67.26
#1	1.855	.9675	-.0320	-.0335	1.643	1.605
#2	2.054	.6586	-.2298	-.0764	.5219	.5971
#3	5.260	2.660	-.1480	.2752	1.050	.5111

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	-.1594	.3554	.5706	3.782
Stddev	.5971	.4579	.0404	7.389
%RSD	374.7	128.9	7.086	195.4
#1	.3063	.8815	.5721	7.776
#2	-.8326	.1379	.6102	8.314
#3	.0482	.0467	.5294	-4.744

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	2958.2	36873.	5030.5
Stddev	14.5	112.	49.1
%RSD	.49067	.30404	.97574
#1	2941.5	36778.	4995.4
#2	2967.3	36997.	5086.6
#3	2965.9	36844.	5009.6

Sample Name: CCV Acquired: 2/29/2016 13:26:49 Type: QC
Method: sw02152016(v2) 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 *****	2535.	1240.	10280.	[^] F *****	128500.
Stddev	-----	7.	4.	16.	-----	1121.
%RSD	-----	.2873	.3193	.1597	-----	.8723

#1	[^] -----	2532.	1235.	10290.	[^] -----	127200.
#2	122400.	2530.	1242.	10290.	1005.	128800.
#3	123100.	2544.	1242.	10260.	1005.	129400.

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	125000.				1000.	
Range	-10.50%				-10.50%	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	1283.	2544.	k 5187.	k 12540.	k 101300.	[^] F *****
Stddev	2.	2.	39.	50.	969.	-----
%RSD	.1730	.0620	.7471	.3961	.9570	-----

#1	1281.	2544.	k 5144.	k 12590.	k 100200.	[^] -----
#2	1284.	2542.	5201.	12530.	101600.	49450.
#3	1285.	2545.	5217.	12500.	102000.	49850.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						50000.
Range						-10.50%

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k 128500.	k 5155.	[^] F *****	k 2588.	k 7802.	k 996.1
Stddev	864.	37.	-----	3.	10.	1.4
%RSD	.6727	.7192	-----	.0984	.1232	.1366

#1	k 127500.	k 5114.	[^] -----	k 2591.	k 7808.	k 997.1
#2	128800.	5164.	126900.	2588.	7791.	994.5
#3	129200.	5187.	127000.	2585.	7806.	996.7

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value			125000.			
Range			-10.50%			

Sample Name: CCV Acquired: 2/29/2016 13:26:49 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k 2549.	k 2568.	k 2540.	k 2569.	k 1043.	k 2559.
Stddev	12.	4.	25.	14.	44.	4.
%RSD	.4882	.1591	.9666	.5339	4.223	.1446
#1	k 2540.	k 2571.	k 2512.	k 2553.	k 1094.	k 2560.
#2	2544.	2571.	2552.	2576.	1016.	2562.
#3	2563.	2564.	2557.	2579.	1019.	2555.

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	k 1034.	^F *****	10120.	k 9723.
Stddev	2.	----	11.	142.
%RSD	.2199	----	.1076	1.460
#1	k 1034.	^ ----	10130.	k 9598.
#2	1031.	5025.	10110.	9878.
#3	1036.	5036.	10120.	9695.

Check ?	Chk Pass	Chk Fail	Chk Pass	None
Value		5000.		
Range		-10.50%		

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2768.4	35010.	5082.4
Stddev	10.5	571.	104.9
%RSD	.37963	1.6303	2.0641
#1	2779.2	35633.	5176.3
#2	2758.2	34883.	5101.7
#3	2767.7	34513.	4969.2

Sample Name: 460-109448-A-1-A@4 Acquired: 2/29/2016 13:38:13 Type: Unk
Method: sw02152016(v2) 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	48720.	14.49	.7162	340.8	2.388	9104.
Stddev	570.	3.09	.1517	1.1	.026	72.
%RSD	1.170	21.34	21.18	.3119	1.106	.7883

#1	48070.	10.92	.8151	339.6	2.372	9041.
#2	49130.	16.09	.5415	341.3	2.374	9090.
#3	48970.	16.44	.7919	341.6	2.419	9182.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9936	17.88	63.81	62.93	67070.	2241.
Stddev	.0652	.19	1.01	.27	422.	28.
%RSD	6.561	1.067	1.583	.4351	.6292	1.231

#1	-1.068	17.86	62.89	62.80	66710.	2211.
#2	-.9668	17.70	63.64	62.75	66970.	2265.
#3	-.9462	18.08	64.89	63.25	67540.	2248.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5971.	2388.	152.3	64.85	321.8	2.219
Stddev	43.	10.	5.6	.48	.3	2.686
%RSD	.7185	.4360	3.657	.7344	.0812	121.1

#1	5928.	2379.	146.0	64.39	321.9	-.7008
#2	5973.	2386.	156.6	64.81	322.1	2.771
#3	6013.	2400.	154.2	65.34	321.5	4.586

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

Sample Name: 460-109448-A-1-A@4 Acquired: 2/29/2016 13:38:13 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.882	.3984	80.95	290.3	4.109	2.023
Stddev	3.043	1.829	.39	2.5	.147	.087
%RSD	51.74	459.2	.4791	.8523	3.579	4.304
#1	9.202	-1.504	80.76	288.3	4.144	1.951
#2	5.217	.5534	80.69	289.4	4.235	2.120
#3	3.226	2.145	81.40	293.0	3.947	1.999

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	8.421	58.17	1140.	1214.
Stddev	.635	.38	7.	32.
%RSD	7.538	.6535	.5778	2.631
#1	7.704	57.74	1135.	1177.
#2	8.914	58.31	1138.	1231.
#3	8.643	58.46	1148.	1233.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3017.3	37510.	5215.0
Stddev	15.6	538.	89.6
%RSD	.51627	1.4333	1.7179
#1	2999.4	36895.	5121.8
#2	3025.2	37750.	5222.9
#3	3027.3	37887.	5300.4

Sample Name: CCVL Acquired: 2/29/2016 12:45:29 Type: QC
Method: sw02152016(v2) 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	232.5	15.11	9.456	212.1	2.029	5118.
Stddev	21.0	.93	.183	1.2	.031	27.
%RSD	9.035	6.123	1.932	.5599	1.525	.5233

#1	237.8	16.08	9.591	213.0	1.993	5114.
#2	250.4	14.24	9.528	210.8	2.045	5094.
#3	209.4	14.99	9.248	212.5	2.049	5147.

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	4.268	53.75	10.79	24.14	156.1	4811.
Stddev	.103	.62	.21	.23	15.1	27.
%RSD	2.416	1.157	1.977	.9720	9.702	.5606

#1	4.164	54.30	10.61	24.36	163.7	4781.
#2	4.370	53.07	11.02	23.89	165.9	4820.
#3	4.270	53.87	10.74	24.16	138.6	4832.

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	5052.	16.05	4972.	43.76	11.85	17.22
Stddev	29.	.10	12.	.22	.29	.53
%RSD	.5658	.6301	.2475	.5140	2.483	3.081

#1	5053.	16.08	4960.	43.94	12.06	17.45
#2	5023.	15.94	4972.	43.50	11.99	17.61
#3	5080.	16.13	4984.	43.83	11.52	16.62

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

Sample Name: CCVL Acquired: 2/29/2016 12:45:29 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22.69	22.59	50.75	32.17	49.90	20.29
Stddev	4.56	1.07	.95	.60	.29	.10
%RSD	20.08	4.722	1.872	1.855	.5886	.4984

#1	27.55	23.14	49.66	32.75	50.06	20.38
#2	18.52	21.36	51.39	31.56	49.57	20.18
#3	21.99	23.27	51.20	32.19	50.09	20.30

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	51.93	20.35	20.54	F 18.71
Stddev	.61	.07	.14	1.57
%RSD	1.167	.3659	.7036	8.373

#1	52.44	20.26	20.44	17.53
#2	52.09	20.41	20.47	20.49
#3	51.26	20.36	20.70	18.13

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	2969.3	37259.	5107.9
Stddev	10.5	164.	78.3
%RSD	.35215	.43933	1.5336

#1	2958.7	37285.	5197.8
#2	2979.6	37407.	5070.8
#3	2969.6	37083.	5054.9

Sample Name: 460-109383-A-1-G@4 Acquired: 2/29/2016 12:53:04 Type: Unk
Method: sw02152016(v2) 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	10710.	3.322	-.0171	108.1	.8772	12930.
Stddev	98.	1.130	.2994	.4	.0639	51.
%RSD	.9196	34.00	1756.	.3307	7.281	.3920

#1	10600.	4.611	-.3610	107.7	.8566	12870.
#2	10740.	2.502	.1247	108.3	.9489	12960.
#3	10790.	2.854	.1851	108.3	.8262	12950.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0134	12.37	27.25	73.40	37970.	1351.
Stddev	.2050	.23	.17	.53	233.	23.
%RSD	1526.	1.885	.6283	.7235	.6141	1.680

#1	.0981	12.11	27.45	73.07	37720.	1325.
#2	.1625	12.43	27.16	73.12	38000.	1366.
#3	-.2203	12.56	27.16	74.01	38190.	1361.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5644.	623.2	1343.	28.19	57.24	.3649
Stddev	43.	3.2	17.	.08	1.43	1.303
%RSD	.7612	.5078	1.236	.2975	2.506	357.0

#1	5601.	619.6	1325.	28.10	55.64	-1.058
#2	5645.	624.8	1346.	28.19	57.68	1.498
#3	5687.	625.3	1357.	28.27	58.40	.6547

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

Sample Name: 460-109383-A-1-G@4 Acquired: 2/29/2016 12:53:04 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.880	.0775	43.58	286.7	29.99	5.164
Stddev	.866	1.332	.38	1.1	.44	.204
%RSD	30.06	1720.	.8715	.3722	1.468	3.954
#1	2.399	-.6784	43.15	285.7	29.94	5.328
#2	3.879	-.7049	43.82	286.5	29.58	4.936
#3	2.361	1.616	43.79	287.8	30.45	5.229

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	7.414	72.62	934.2	691.0
Stddev	.404	.61	4.3	36.0
%RSD	5.453	.8340	.4622	5.214
#1	7.735	71.95	929.7	651.2
#2	6.960	72.78	934.6	700.6
#3	7.548	73.13	938.3	721.3

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	3071.0	38606.	5365.3
Stddev	18.3	344.	93.0
%RSD	.59493	.88980	1.7336
#1	3052.0	38224.	5259.2
#2	3072.7	38704.	5404.0
#3	3088.4	38890.	5432.8

Sample Name: 460-109429-A-15-A@4 Acquired: 2/29/2016 12:56:50 Type: Unk
Method: sw02152016(v2) 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	[^] *****	12.12	.2562	482.4	4.115	13010.
Stddev	-----	1.06	.2817	1.0	.114	48.
%RSD	-----	8.725	110.0	.2001	2.758	.3657
#1	[^] -----	12.15	.5401	481.6	4.212	12950.
#2	53700.	13.15	-.0232	482.2	3.990	13020.
#3	53680.	11.04	.2516	483.5	4.141	13040.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.1717	14.47	100.2	67.58	37080.	1550.
Stddev	.1407	.16	.6	.59	135.	11.
%RSD	81.98	1.128	.6190	.8793	.3645	.7194
#1	.2832	14.51	100.8	67.28	36920.	1556.
#2	.2182	14.61	99.54	67.19	37140.	1537.
#3	.0136	14.29	100.3	68.26	37170.	1556.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k 6880.	621.0	481.0	36.52	k 208.9	1.028
Stddev	23.	2.3	2.0	.26	3.0	.355
%RSD	.3333	.3743	.4150	.7043	1.417	34.51
#1	k 6868.	618.6	482.5	36.42	k 205.6	1.067
#2	6865.	621.1	478.7	36.81	211.3	1.362
#3	6906.	623.2	481.7	36.33	209.9	.6554

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

Sample Name: 460-109429-A-15-A@4 Acquired: 2/29/2016 12:56:50 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.024	-1.699	94.15	502.3	5.981	1.026
Stddev	.972	1.357	.84	2.7	.629	.110
%RSD	13.84	79.84	.8912	.5456	10.52	10.74
#1	5.922	-2.023	93.20	499.1	5.567	1.050
#2	7.392	-.2101	94.78	503.5	5.671	.9056
#3	7.758	-2.865	94.48	504.2	6.705	1.122

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	8.993	94.02	841.8	1238.
Stddev	.182	1.39	4.2	54.
%RSD	2.027	1.477	.5038	4.367
#1	8.782	92.43	836.9	1176.
#2	9.095	94.63	843.8	1268.
#3	9.102	95.00	844.6	1271.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3264.9	40984.	5763.5
Stddev	7.1	399.	104.4
%RSD	.21855	.97360	1.8115
#1	3263.1	40532.	5661.2
#2	3272.8	41134.	5759.5
#3	3258.8	41286.	5869.9

Sample Name: 460-109429-A-16-A@4 Acquired: 2/29/2016 13:00:36 Type: Unk
Method: sw02152016(v2) 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	44120.	14.17	-.0646	516.6	3.590	21760.
Stddev	164.	2.89	.4156	2.3	.034	105.
%RSD	.3712	20.42	643.6	.4492	.9354	.4814

#1	43970.	13.65	-.4257	514.5	3.608	21650.
#2	44300.	11.58	.3897	516.0	3.551	21790.
#3	44100.	17.29	-.1577	519.1	3.611	21850.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.2684	15.27	78.25	48.15	33890.	1615.
Stddev	.0854	.30	.47	.17	154.	31.
%RSD	31.81	1.956	.6061	.3512	.4530	1.919

#1	-.2776	15.55	77.88	47.98	33720.	1580.
#2	-.1788	14.96	78.07	48.31	33930.	1631.
#3	-.3489	15.30	78.78	48.15	34030.	1635.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7070.	619.5	547.9	35.92	207.7	1.954
Stddev	53.	1.7	6.3	.35	2.3	.891
%RSD	.7482	.2787	1.151	.9729	1.099	45.58

#1	7013.	617.6	552.5	36.11	206.5	.9774
#2	7079.	619.9	550.4	35.52	206.2	2.164
#3	7117.	621.0	540.7	36.14	210.3	2.722

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

Sample Name: 460-109429-A-16-A@4 Acquired: 2/29/2016 13:00:36 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.762	-1.517	76.81	153.0	8.259	2.367
Stddev	2.692	1.045	.74	.4	.287	.168
%RSD	56.54	68.90	.9649	.2877	3.476	7.079
#1	7.851	-.3224	76.04	152.5	7.965	2.189
#2	2.913	-1.966	76.87	153.2	8.539	2.390
#3	3.522	-2.263	77.52	153.3	8.273	2.522

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	15.28	118.8	722.3	1126.
Stddev	.67	.6	.8	13.
%RSD	4.394	.5303	.1124	1.188
#1	14.77	118.1	722.8	1110.
#2	16.04	119.1	721.4	1133.
#3	15.02	119.2	722.7	1134.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3162.2	39443.	5474.6
Stddev	9.5	4.	66.2
%RSD	.30039	.01038	1.2092
#1	3162.0	39447.	5399.4
#2	3171.7	39439.	5500.1
#3	3152.7	39443.	5524.2

Sample Name: 460-109429-A-18-A@4 Acquired: 2/29/2016 13:08:08 Type: Unk
Method: sw02152016(v2) 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	37920.	9.542	.0317	163.2	1.708	3927.
Stddev	552.	1.693	.2982	.6	.056	32.
%RSD	1.454	17.74	941.5	.3388	3.264	.8170
#1	37300.	10.87	.0105	162.6	1.645	3891.
#2	38100.	7.636	.3399	163.3	1.751	3939.
#3	38360.	10.12	-.2554	163.7	1.729	3951.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.6734	13.82	40.05	26.12	39990.	1943.
Stddev	.1122	.28	.46	.40	158.	47.
%RSD	16.66	2.028	1.139	1.531	.3956	2.414
#1	-.7843	13.92	39.65	25.76	39820.	1893.
#2	-.5599	13.50	39.97	26.04	40020.	1950.
#3	-.6760	14.03	40.55	26.55	40130.	1986.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7088.	1341.	281.2	32.37	40.60	-.1516
Stddev	34.	6.	8.8	.40	1.42	.6268
%RSD	.4839	.4303	3.136	1.249	3.494	413.6
#1	7051.	1334.	275.0	32.08	39.27	-.2794
#2	7094.	1343.	277.3	32.21	40.44	.5294
#3	7119.	1345.	291.3	32.83	42.09	-.7046

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

Sample Name: 460-109429-A-18-A@4 Acquired: 2/29/2016 13:08:08 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.695	-2.230	59.86	96.94	8.114	1.070
Stddev	3.478	1.434	.18	.13	.556	.065
%RSD	94.13	64.32	.2954	.1315	6.848	6.087
#1	.3051	-.9584	59.67	96.80	8.312	1.014
#2	3.525	-1.947	59.87	97.00	8.543	1.055
#3	7.255	-3.785	60.03	97.03	7.486	1.142

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	6.257	29.00	748.9	1002.
Stddev	.135	.38	3.8	39.
%RSD	2.150	1.303	.5044	3.876
#1	6.360	28.56	744.7	959.1
#2	6.307	29.21	749.6	1011.
#3	6.105	29.23	752.2	1035.

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

Int. Std.	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	36935.	5132.4
Stddev	21.6	227.	43.4
%RSD	.72585	.61426	.84571
#1	2954.1	36678.	5082.4
#2	2963.3	37019.	5155.1
#3	2995.2	37107.	5159.8

Sample Name: 460-109429-A-19-A@4 Acquired: 2/29/2016 13:11:55 Type: Unk
Method: sw02152016(v2) 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	39730.	21.23	.9039	787.6	2.754	44390.
Stddev	231.	1.38	.1198	3.2	.095	253.
%RSD	.5802	6.492	13.25	.4091	3.451	.5688
#1	39500.	21.10	.9849	783.9	2.674	44130.
#2	39720.	19.93	.9605	789.3	2.859	44410.
#3	39960.	22.67	.7663	789.7	2.728	44640.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	3.285	36.36	100.4	541.5	77800.	3627.
Stddev	.045	.20	1.6	2.2	260.	36.
%RSD	1.372	.5453	1.590	.3974	.3345	1.006
#1	3.330	36.19	98.66	540.2	77580.	3587.
#2	3.240	36.58	100.6	540.3	77730.	3634.
#3	3.286	36.30	101.8	544.0	78090.	3659.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20580.	1211.	1308.	86.92	2750.	8.207
Stddev	101.	5.	11.	.68	15.	1.533
%RSD	.4903	.3831	.8790	.7841	.5327	18.68
#1	20490.	1207.	1295.	86.13	2733.	6.862
#2	20550.	1210.	1312.	87.30	2756.	7.882
#3	20690.	1216.	1316.	87.33	2761.	9.877

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

Sample Name: 460-109429-A-19-A@4 Acquired: 2/29/2016 13:11:55 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.055	-1.264	136.9	954.7	95.80	7.647
Stddev	1.225	1.061	.5	5.4	.28	.362
%RSD	17.36	83.93	.3360	.5609	.2899	4.728
#1	7.428	-2.481	136.5	949.4	95.60	7.763
#2	5.687	-.7808	136.8	954.7	95.68	7.242
#3	8.050	-.5309	137.4	960.1	96.12	7.937

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	362.5	214.7	1724.	1020.
Stddev	1.1	1.0	8.	37.
%RSD	.3019	.4834	.4458	3.594
#1	361.5	214.2	1717.	979.1
#2	362.5	214.1	1723.	1031.
#3	363.6	215.9	1732.	1050.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3106.5	39011.	5522.1
Stddev	9.2	101.	63.8
%RSD	.29573	.25897	1.1561
#1	3117.1	38943.	5448.5
#2	3100.7	38962.	5554.5
#3	3101.7	39127.	5563.2

Sample Name: 460-109429-A-20-A@4 Acquired: 2/29/2016 13:15:38 Type: Unk
Method: sw02152016(v2) 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	25230.	49.43	1.482	320.9	2.174	4959.
Stddev	76.	.92	.117	.7	.108	13.
%RSD	.3010	1.854	7.872	.2223	4.945	.2700
#1	25150.	49.02	1.615	320.3	2.129	4974.
#2	25250.	48.78	1.395	320.6	2.297	4948.
#3	25300.	50.48	1.436	321.6	2.096	4956.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	1.866	21.61	50.11	1008.	52370.	2313.
Stddev	.051	.17	.22	1.	84.	22.
%RSD	2.715	.7758	.4475	.1159	.1609	.9457
#1	1.881	21.66	49.87	1010.	52380.	2288.
#2	1.809	21.42	50.12	1007.	52280.	2330.
#3	1.907	21.74	50.32	1008.	52450.	2320.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1499.	359.5	586.9	81.48	3317.	7.254
Stddev	2.	.4	6.8	.46	6.	.794
%RSD	.1307	.1125	1.154	.5598	.1752	10.94
#1	1498.	359.4	591.6	81.18	3316.	6.771
#2	1498.	359.2	579.2	81.26	3311.	8.171
#3	1501.	360.0	590.0	82.01	3323.	6.822

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

Sample Name: 460-109429-A-20-A@4 Acquired: 2/29/2016 13:15:38 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.57	-1.014	108.2	576.3	5.663	11.38
Stddev	2.14	1.440	.1	.7	.650	.13
%RSD	9.913	141.9	.0712	.1221	11.48	1.167
#1	20.13	.5872	108.2	576.8	4.916	11.44
#2	24.02	-2.201	108.1	576.6	6.102	11.22
#3	20.54	-1.429	108.3	575.5	5.971	11.46

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	201.2	57.52	266.8	1200.
Stddev	1.0	.29	.5	35.
%RSD	.5198	.5009	.1802	2.881
#1	200.8	57.22	267.1	1179.
#2	200.5	57.79	266.9	1240.
#3	202.4	57.56	266.2	1182.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2965.7	37386.	5202.8
Stddev	9.1	299.	67.1
%RSD	.30632	.79869	1.2892
#1	2962.2	37042.	5125.9
#2	2958.9	37553.	5249.0
#3	2976.0	37564.	5233.6

Sample Name: 460-109429-A-21-A@4 Acquired: 2/29/2016 13:19:22 Type: Unk
Method: sw02152016(v2) 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	43290.	65.12	-.2312	336.2	2.699	205100.
Stddev	497.	.47	.4263	3.1	.120	1576.
%RSD	1.147	.7236	184.3	.9253	4.427	.7682

#1	42720.	65.58	-.7175	332.9	2.605	203400.
#2	43500.	65.13	-.0546	336.4	2.657	205400.
#3	43650.	64.64	.0784	339.2	2.833	206500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.3229	26.92	116.9	136.2	77010.	6164.
Stddev	.1254	.20	.6	1.4	670.	38.
%RSD	38.83	.7260	.4876	1.025	.8704	.6115

#1	-.3201	26.76	116.4	134.6	76250.	6121.
#2	-.1989	27.14	117.6	136.5	77280.	6182.
#3	-.4496	26.87	116.8	137.4	77500.	6190.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26800.	1236.	2567.	66.38	363.4	.4351
Stddev	221.	9.	21.	.46	4.7	.6934
%RSD	.8250	.7182	.8242	.6864	1.300	159.4

#1	26560.	1227.	2545.	65.86	359.1	.3187
#2	26830.	1238.	2569.	66.59	362.5	1.179
#3	27000.	1244.	2587.	66.70	368.5	-.1928

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

Sample Name: 460-109429-A-21-A@4 Acquired: 2/29/2016 13:19:22 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.219	-1.556	157.1	302.5	36.95	4.379
Stddev	1.660	3.743	1.4	1.6	.93	.197
%RSD	51.55	240.6	.8742	.5317	2.520	4.504
#1	3.666	-1.464	156.0	300.8	36.12	4.284
#2	4.610	-5.344	156.8	302.7	36.77	4.247
#3	1.382	2.140	158.7	303.9	37.95	4.605

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	25.37	765.4	2440.	3319.
Stddev	.81	7.9	17.	88.
%RSD	3.199	1.035	.6973	2.637
#1	25.86	756.4	2420.	3220.
#2	25.82	768.5	2447.	3351.
#3	24.44	771.3	2452.	3387.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3025.8	38170.	5513.6
Stddev	10.6	365.	157.3
%RSD	.35011	.95687	2.8534
#1	3013.6	37763.	5340.6
#2	3033.0	38276.	5552.1
#3	3030.8	38470.	5648.1

Sample Name: 460-109429-A-22-A@4 Acquired: 2/29/2016 13:23:06 Type: Unk
Method: sw02152016(v2) 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	[^] *****	25.62	k .6624	1111.	k 2.037	52420.
Stddev	-----	1.62	.2485	1.	.005	213.
%RSD	-----	6.333	37.52	.1236	.2692	.4060
#1	[^] -----	24.24	k .3770	1110.	k 2.042	52280.
#2	28020.	25.22	.7792	1113.	2.031	52670.
#3	27940.	27.41	.8310	1111.	2.036	52320.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.6725	k 38.65	k 102.9	k 688.6	F 250900.	k 2597.
Stddev	.0439	.39	1.5	3.1	768.	23.
%RSD	6.525	1.005	1.487	.4513	.3061	.8809
#1	-.7207	k 38.51	k 101.6	k 688.1	250500.	k 2571.
#2	-.6348	39.09	104.5	685.8	251800.	2611.
#3	-.6620	38.35	102.5	692.0	250500.	2611.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k 8796.	1813.	753.6	75.62	k 776.1	k 19.93
Stddev	10.	4.	14.2	.41	3.5	.20
%RSD	.1135	.2047	1.891	.5363	.4529	.9991
#1	k 8792.	1810.	737.4	75.15	k 772.1	k 19.81
#2	8807.	1817.	764.2	75.88	777.7	20.16
#3	8788.	1811.	759.3	75.82	778.6	19.83

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

Sample Name: 460-109429-A-22-A@4 Acquired: 2/29/2016 13:23:06 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k 10.56	k -4.325	k 101.9	k 971.9	k 57.71	k 10.95
Stddev	3.86	.957	.1	5.7	.84	.20
%RSD	36.49	22.13	.0645	.5911	1.455	1.827
#1	k 10.74	k -5.137	k 102.0	k 971.3	k 56.78	k 11.09
#2	6.625	-4.567	101.8	977.9	57.93	11.05
#3	14.33	-3.270	101.9	966.4	58.42	10.72
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	k 65.15	^ *****	2046.	k 1287.
Stddev	.59	----	4.	42.
%RSD	.8980	----	.1967	3.225
#1	k 64.70	^ ----	2043.	k 1245.
#2	65.81	388.6	2045.	1289.
#3	64.94	391.0	2050.	1328.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2890.5	36574.	5158.9
Stddev	35.0	507.	149.3
%RSD	1.2111	1.3874	2.8948
#1	2859.1	36350.	5072.2
#2	2884.1	36216.	5073.2
#3	2928.2	37155.	5331.4

Sample Name: CCB Acquired: 2/29/2016 13:30:27 Type: QC
Method: sw02152016(v2) 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	29.47	.9811	-.1560	1.294	.0509	2.062
Stddev	5.92	1.586	.2207	1.741	.0931	14.40
%RSD	20.10	161.7	141.5	134.6	182.7	698.3
#1	22.63	2.631	.0986	3.300	.1538	1.084
#2	32.92	.8439	-.2937	.4175	-.0273	-11.82
#3	32.86	-.5318	-.2729	.1654	.0263	16.92

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.0384	.2846	.7708	.6799	14.65	-25.88
Stddev	.1327	.5373	.2790	.9122	11.78	11.65
%RSD	345.4	188.8	36.20	134.2	80.44	45.01
#1	.1128	.8280	.4813	.0820	3.617	-14.00
#2	-.1358	.2721	.7932	.2278	13.27	-37.28
#3	-.0923	-.2463	1.038	1.730	27.06	-26.36

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.520	.4109	9.600	-.1668	.0664	-.0118
Stddev	15.66	.4718	10.34	1.220	2.158	1.210
%RSD	164.5	114.8	107.8	731.5	3252.	10250.
#1	-1.733	.0886	17.85	1.211	2.380	-.8948
#2	2.893	.1918	12.95	-1.111	-.2889	-.5085
#3	27.40	.9524	-2.004	-.6006	-1.892	1.368

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

Sample Name: CCB Acquired: 2/29/2016 13:30:27 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.088	.8050	.1059	.2407	.3352	.9036
Stddev	2.761	1.249	.1655	.5532	.6081	.9880
%RSD	89.40	155.1	156.3	229.9	181.4	109.3
#1	1.479	.8125	-.0256	.8791	1.008	1.927
#2	1.510	-.4474	.0515	-.0972	-.1755	.8278
#3	6.276	2.050	.2917	-.0600	.1733	-.0444

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	.1331	.0803	.8561	5.505
Stddev	.4158	.1292	.8888	9.038
%RSD	312.4	160.9	103.8	164.2
#1	.5403	.0461	.4455	-3.503
#2	-.2909	-.0284	.2469	14.57
#3	.1499	.2231	1.876	5.447

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	2968.0	37289.	5182.3
Stddev	3.4	359.	68.0
%RSD	.11531	.96205	1.3119
#1	2966.5	37538.	5200.5
#2	2965.6	36877.	5107.1
#3	2971.9	37451.	5239.3

Sample Name: CCVL Acquired: 2/29/2016 13:34:22 Type: QC
Method: sw02152016(v2) 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	214.9	15.84	9.679	216.5	1.994	5213.
Stddev	1.3	.85	.405	.6	.087	37.
%RSD	.5819	5.363	4.188	.2984	4.388	.7004

#1	214.5	15.77	9.320	215.7	1.912	5172.
#2	216.3	16.73	9.598	216.8	1.986	5241.
#3	213.9	15.03	10.12	216.9	2.086	5226.

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	4.228	54.43	11.84	24.46	167.7	4790.
Stddev	.167	.10	.75	.23	6.2	73.
%RSD	3.959	.1807	6.369	.9335	3.685	1.531

#1	4.040	54.35	10.97	24.64	160.6	4711.
#2	4.281	54.41	12.30	24.20	170.4	4856.
#3	4.362	54.54	12.24	24.53	172.1	4803.

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	5226.	16.40	5033.	44.66	11.90	18.50
Stddev	32.	.17	85.	.59	.58	.40
%RSD	.6091	1.059	1.698	1.324	4.860	2.138

#1	5189.	16.21	4939.	44.09	11.23	18.13
#2	5245.	16.42	5054.	45.27	12.27	18.92
#3	5243.	16.56	5106.	44.63	12.19	18.45

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

Sample Name: CCVL Acquired: 2/29/2016 13:34:22 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

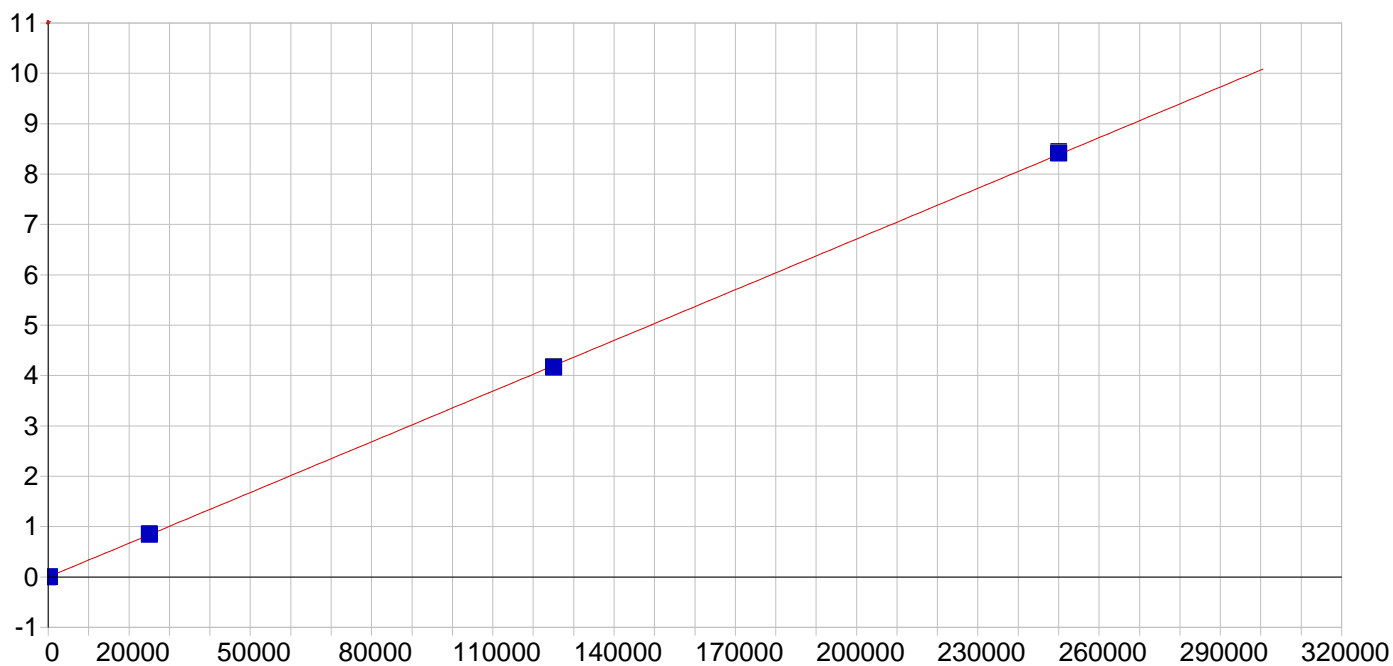
Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.46	23.68	52.24	32.59	51.02	20.80
Stddev	.71	.82	.05	.27	.49	.09
%RSD	3.318	3.482	.0990	.8428	.9671	.4342
#1	22.27	22.85	52.20	32.88	50.69	20.89
#2	21.18	24.50	52.23	32.57	50.79	20.71
#3	20.94	23.70	52.30	32.33	51.59	20.81

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	53.61	20.18	20.59	F 22.83
Stddev	.49	.40	.08	18.08
%RSD	.9233	1.976	.3772	79.18
#1	53.63	19.72	20.58	25.29
#2	53.10	20.45	20.67	3.651
#3	54.09	20.37	20.51	39.56

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	2945.8	36867.	5147.7
Stddev	13.9	360.	50.3
%RSD	.47153	.97553	.97756
#1	2960.5	37258.	5202.9
#2	2944.0	36792.	5135.8
#3	2932.9	36551.	5104.4

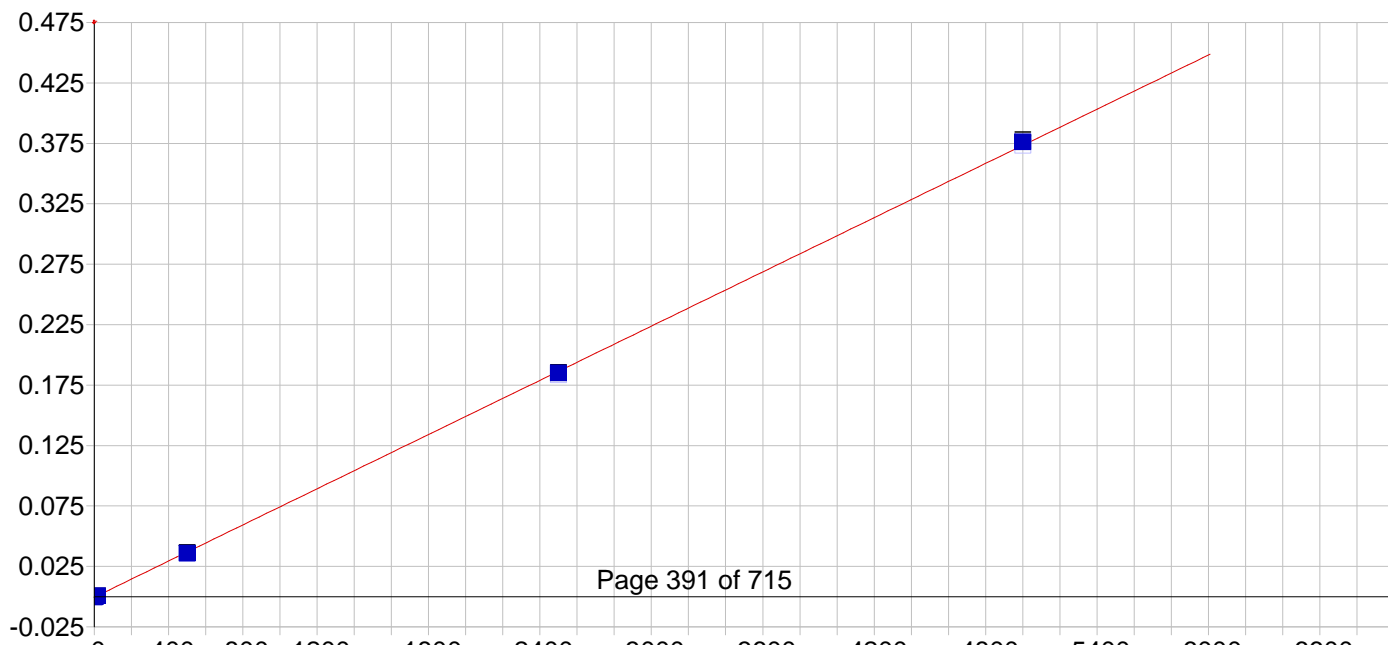


AI 396.152 { 85}

Date of Fit: 2/29/2016 16:34:56 Type of Fit: Linear Weighting: 1/Conc

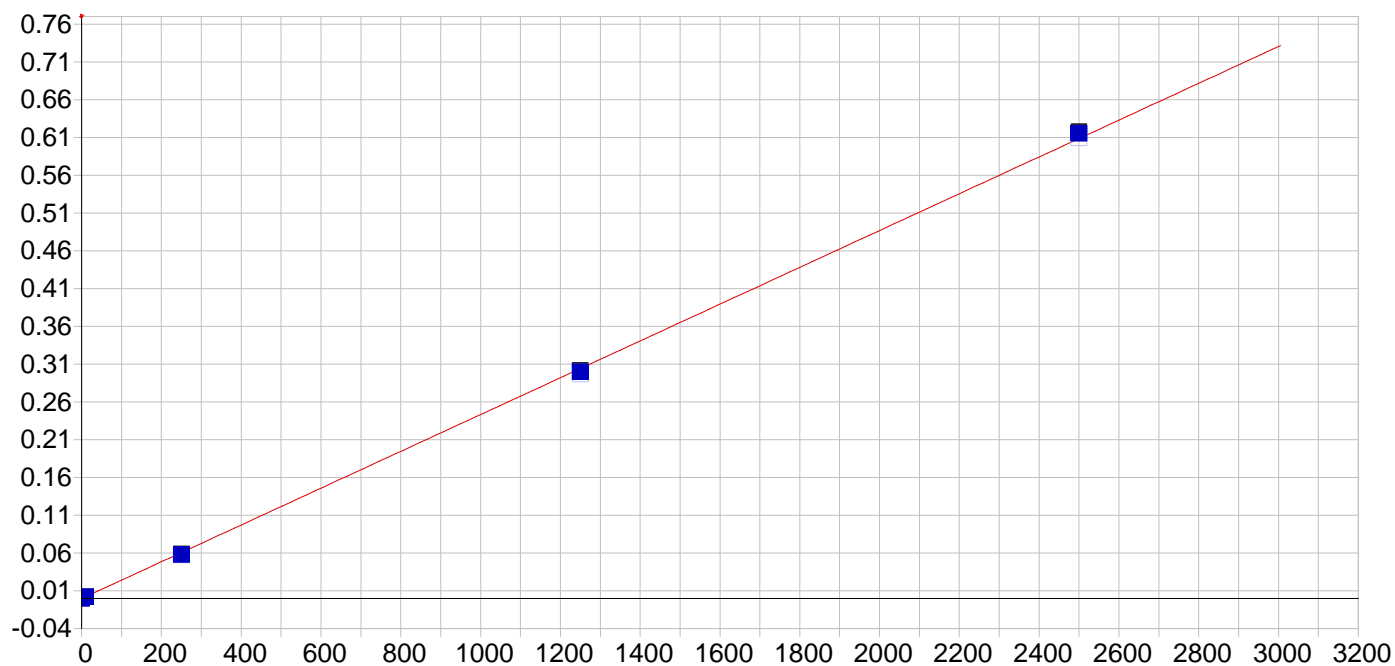
A0 (Offset): -0.000301 Re-Slope: 1.000000
 A1 (Gain): 0.000034 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999985 Status: OK.
 Std Error of Est: 0.000067
 Predicted MDL: 17.221449
 Predicted MQL: 57.404830

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.01411	-.014	.000	-.00030	.000	1
CAL2	200.00	213.81	13.8	6.90	.00689	.000	1
CAL3	25000.	25150.	150.	.601	.84418	.005	1
CAL4	125000.	124040.	-965.	-.772	4.1645	.011	1
CAL5	250000.	250800.	801.	.320	8.4209	.017	1



Std Error of Est: 0.000006
 Predicted MDL: 2.390797
 Predicted MQL: 7.969322

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00048		.000	.000	-.00045	.000	1
CAL2	15.000		13.752		-1.25	-8.32	.00057	.000	1
CAL3	500.00		485.09		-14.9	-2.98	.03554	.000	1
CAL4	2500.0		2479.3		-20.7	-.829	.18355	.000	1
CAL5	5000.0		5036.8		36.8	.736	.37341	.002	1
CAL1	5.0000		5.0858		.086	1.72	-.00007	.000	1

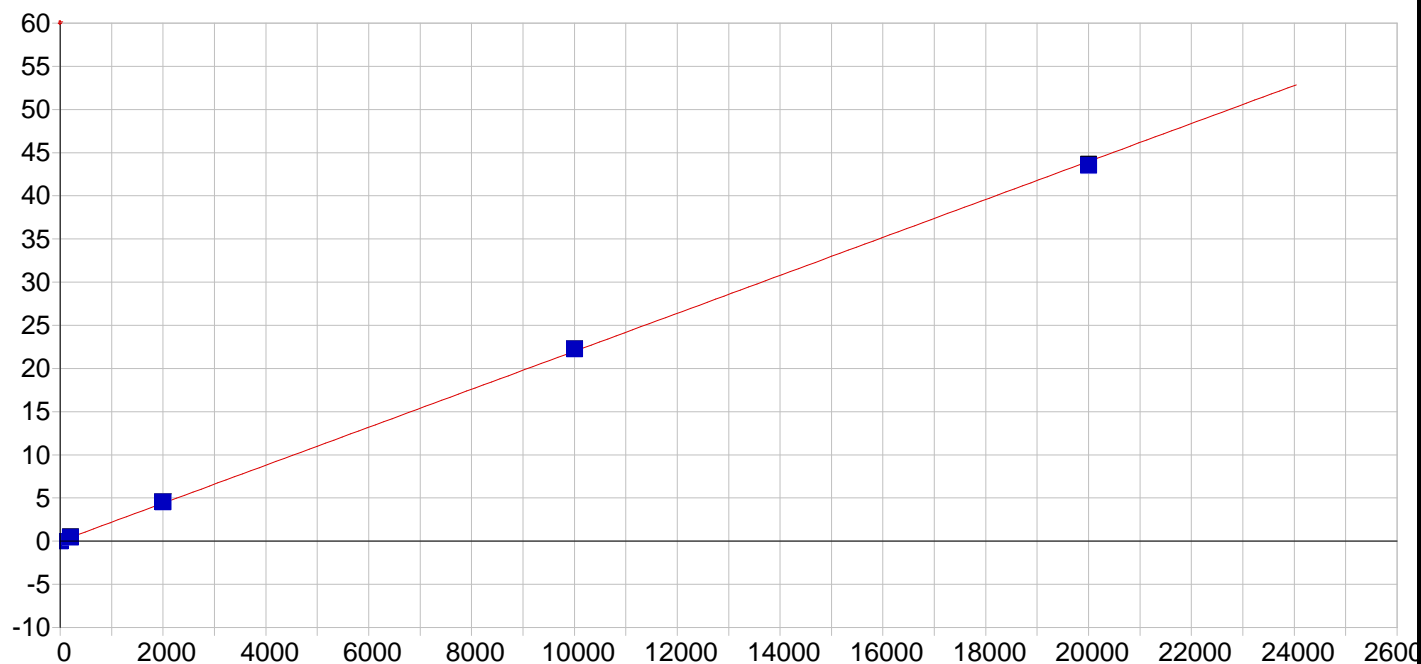


Ag 328.068 {103}

Date of Fit: 2/29/2016 16:34:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000360 Re-Slope: 1.000000
 A1 (Gain): 0.000244 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999873 Status: OK.
 Std Error of Est: 0.000031
 Predicted MDL: 0.589477
 Predicted MQL: 1.964924

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00049		.000	.000	-.00036	.000	1
CAL2	10.000		9.9521		-.048	-.479	.00203	.000	1
CAL3	250.00		239.64		-10.4	-4.14	.05741	.000	1
CAL4	1250.0		1232.3		-17.7	-1.42	.29680	.001	1
CAL5	2500.0		2528.1		28.1	1.12	.60942	.002	1

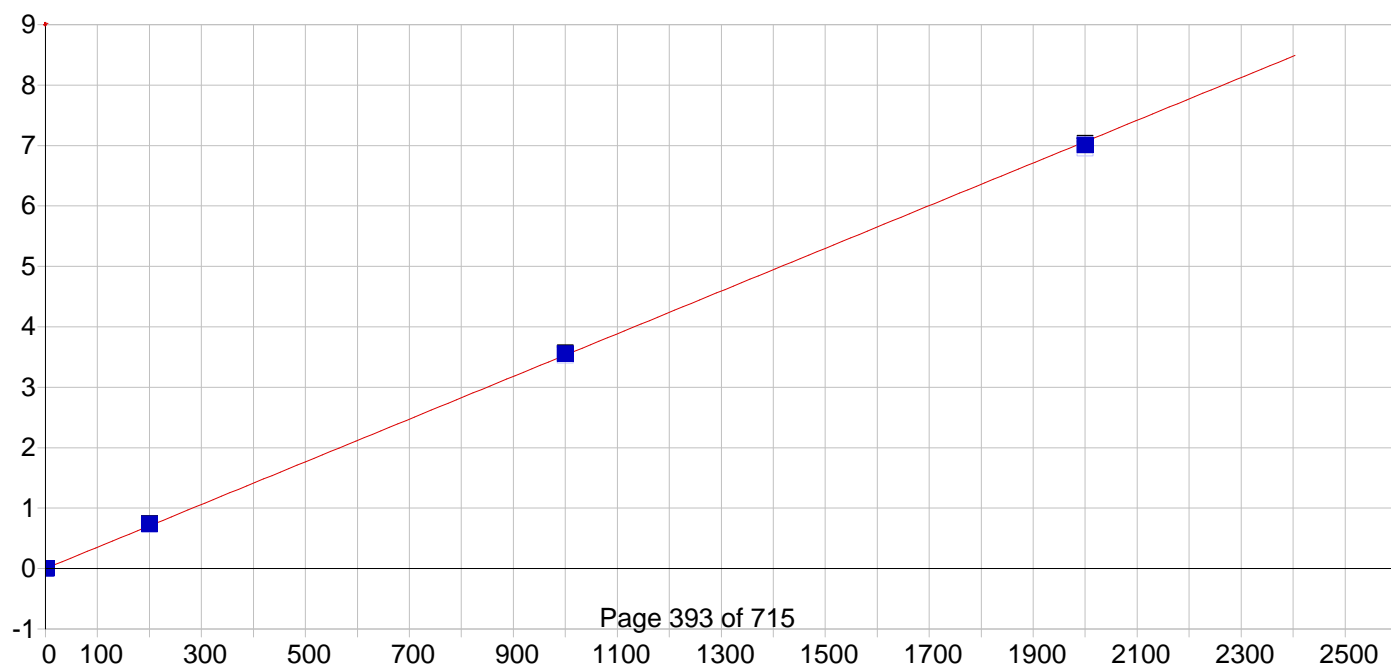


Ba 233.527 {445}

Date of Fit: 2/29/2016 16:34:56 Type of Fit: Linear Weighting: 1/Conc

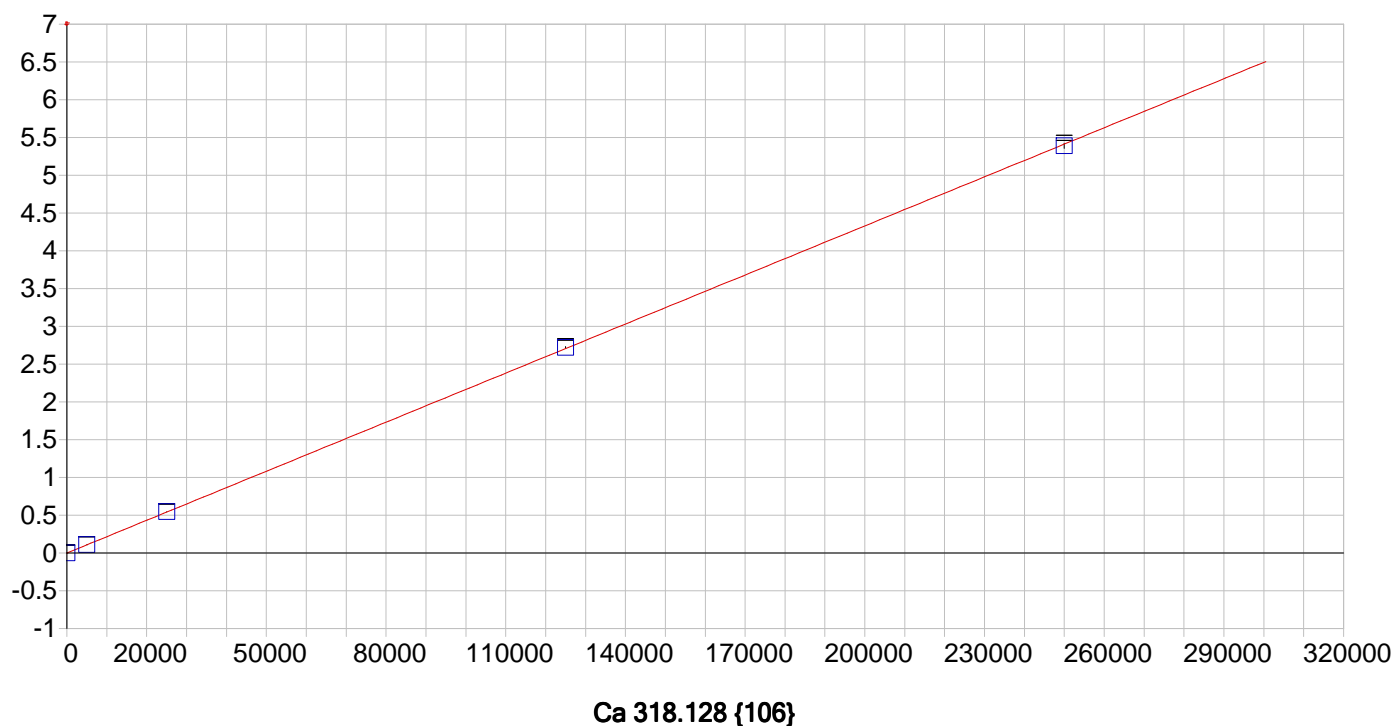
A0 (Offset):	0.000184	Re-Slope:	1.000000
A1 (Gain):	0.002199	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999897	Status:	OK.
Std Error of Est:	0.003261		
Predicted MDL:	0.144312		
Predicted MQL:	0.481039		

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.01977		-.020	.000	.00014	.000	1
CAL2	200.00		212.77		12.8	6.39	.46788	.002	1
CAL3	2000.0		2065.1		65.1	3.25	4.5358	.017	1
CAL4	10000.		10126.		126.	1.26	22.240	.036	1
CAL5	20000.		19796.		-204.	-1.02	43.476	.113	1



Predicted MDL: 0.139437
 Predicted MQL: 0.464790

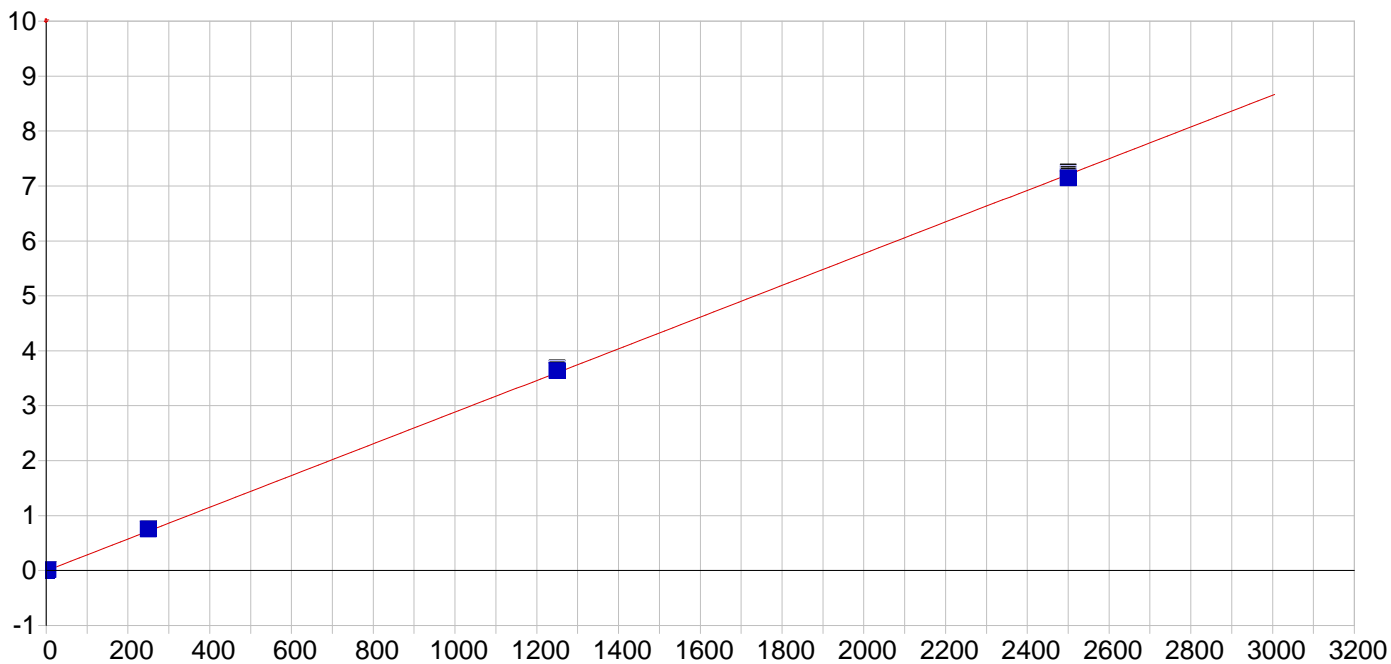
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00012	-.000	.000	.00037	.000	1
CAL2	2.0000	2.0343	.034	1.71	.00751	.000	1
CAL3	200.00	209.20	9.20	4.60	.73407	.005	1
CAL4	1000.0	1006.9	6.90	.690	3.5309	.008	1
CAL5	2000.0	1983.9	-16.1	-.807	6.9556	.026	1



Date of Fit: 2/29/2016 16:34:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000618 Re-Slope: 1.000000
 A1 (Gain): 0.000022 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999982 Status: OK.
 Std Error of Est: 0.000241
 Predicted MDL: 6.062108
 Predicted MQL: 20.207026

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.20511	-.205	.000	-.00062	.000	1
CAL2	5000.0	5160.6	161.	3.21	.11112	.000	1
CAL3	25000.	25187.	187.	.748	.54474	.002	1
CAL4	125000.	125700.	702.	.562	2.7211	.011	1
CAL5	250000.	248950.	-1050.	-.420	5.3898	.033	1

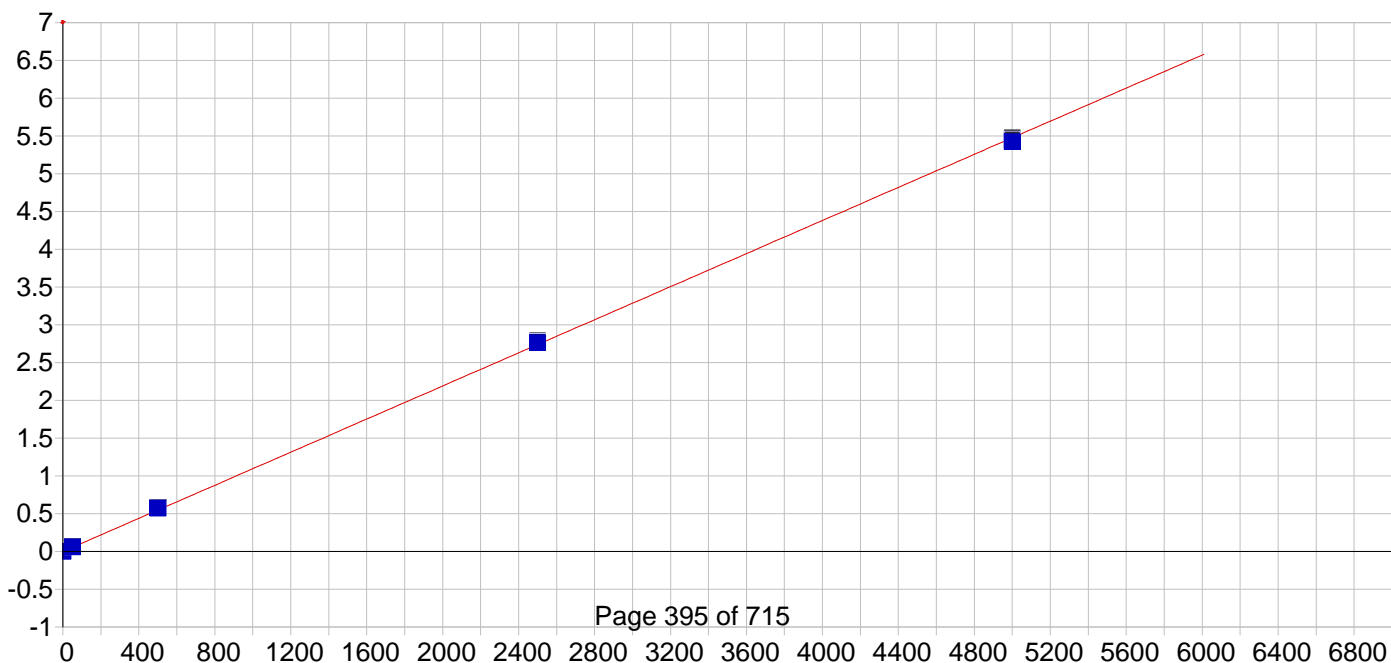


Cd 226.502 {449}

Date of Fit: 2/29/2016 16:34:56 Type of Fit: Linear Weighting: 1/Conc

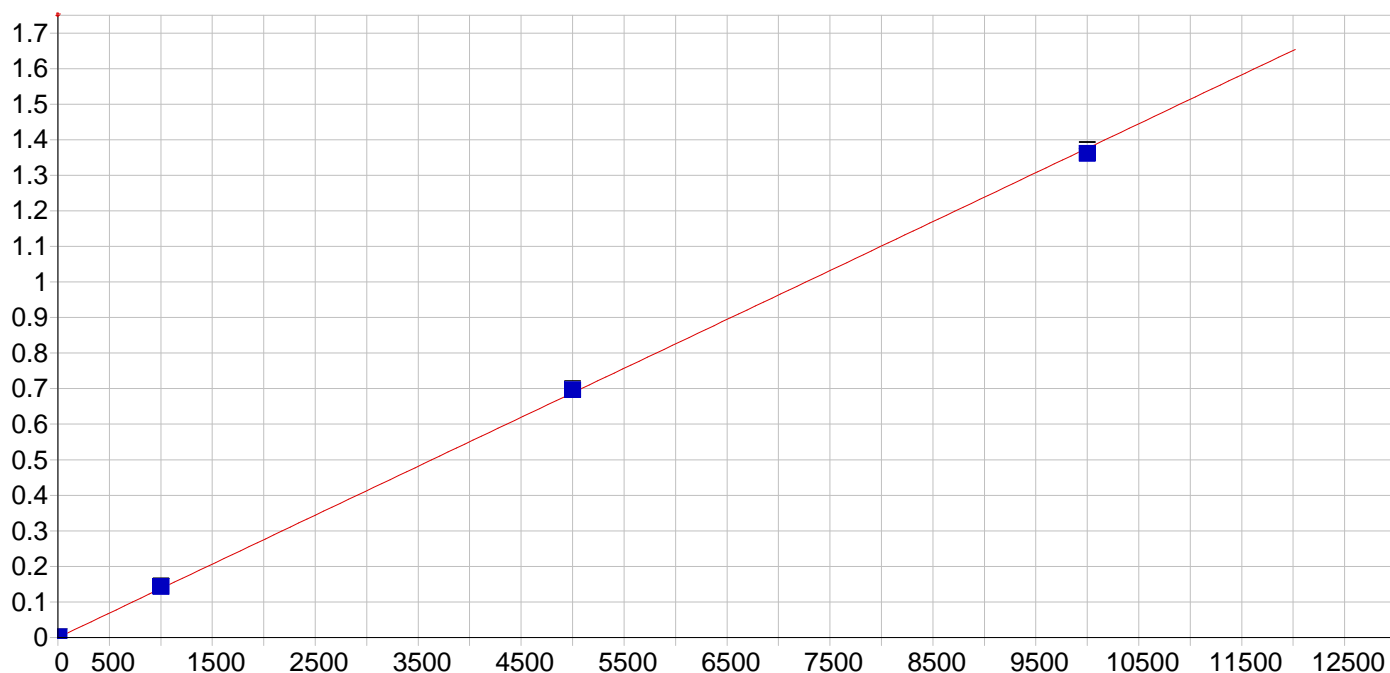
A0 (Offset): -0.000914 Re-Slope: 1.000000
 A1 (Gain): 0.002884 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999899 Status: OK.
 Std Error of Est: 0.000214
 Predicted MDL: 0.130043
 Predicted MQL: 0.433477

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00047		-.000	.000	-.00092	.000	1
CAL2	4.0000		4.2952		.295	7.38	.01154	.000	1
CAL3	250.00		261.19		11.2	4.47	.76082	.004	1
CAL4	1250.0		1261.3		11.3	.900	3.6789	.006	1
CAL5	2500.0		2477.3		-22.7	-.909	7.2283	.023	1



Predicted MDL: 0.293197
 Predicted MQL: 0.977324

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00669		-.007	.000	-.00014	.000	1
CAL2	50.000		54.386		4.39	8.77	.05945	.000	1
CAL3	500.00		523.83		23.8	4.77	.57730	.003	1
CAL4	2500.0		2520.8		20.8	.833	2.7793	.005	1
CAL5	5000.0		4951.0		-49.0	-.980	5.4595	.010	1

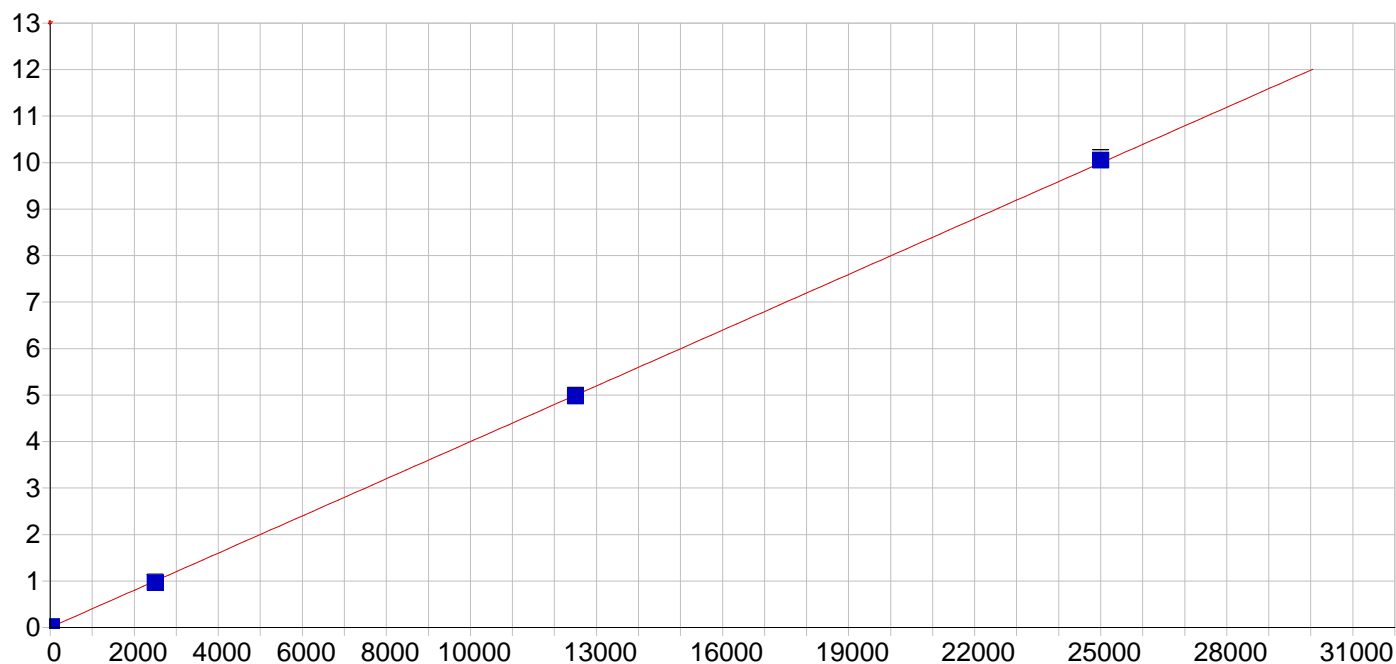


Cr 267.716 {126}

Date of Fit: 2/29/2016 16:34:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000060 Re-Slope: 1.000000
 A1 (Gain): 0.000138 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999883 Status: OK.
 Std Error of Est: 0.000034
 Predicted MDL: 0.602173
 Predicted MQL: 2.007242

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00145		-.001	.000	.00006	.000	1
CAL2	10.000		11.011		1.01	10.1	.00158	.000	1
CAL3	1000.0		1041.5		41.5	4.15	.14339	.000	1
CAL4	5000.0		5063.2		63.2	1.26	.69686	.002	1
CAL5	10000.		9894.3		-106.	-1.06	1.3617	.009	1

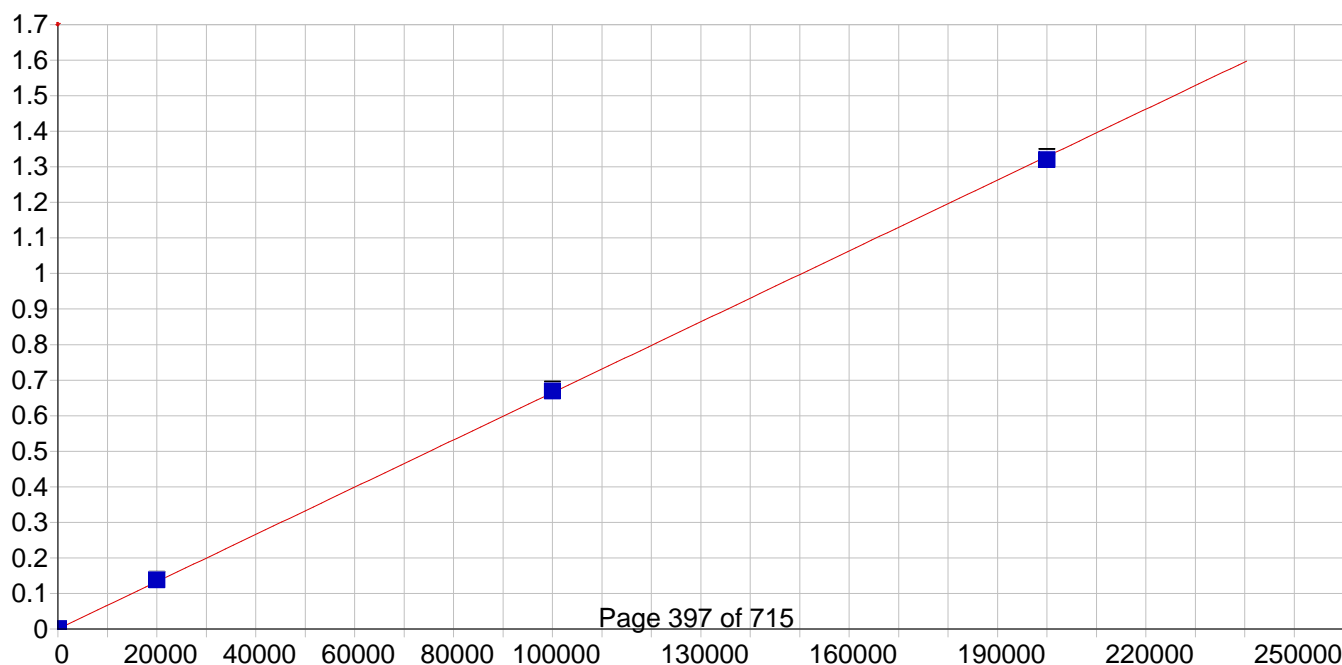


Cu 324.754 {104}

Date of Fit: 2/29/2016 16:34:56 Type of Fit: Linear Weighting: 1/Conc

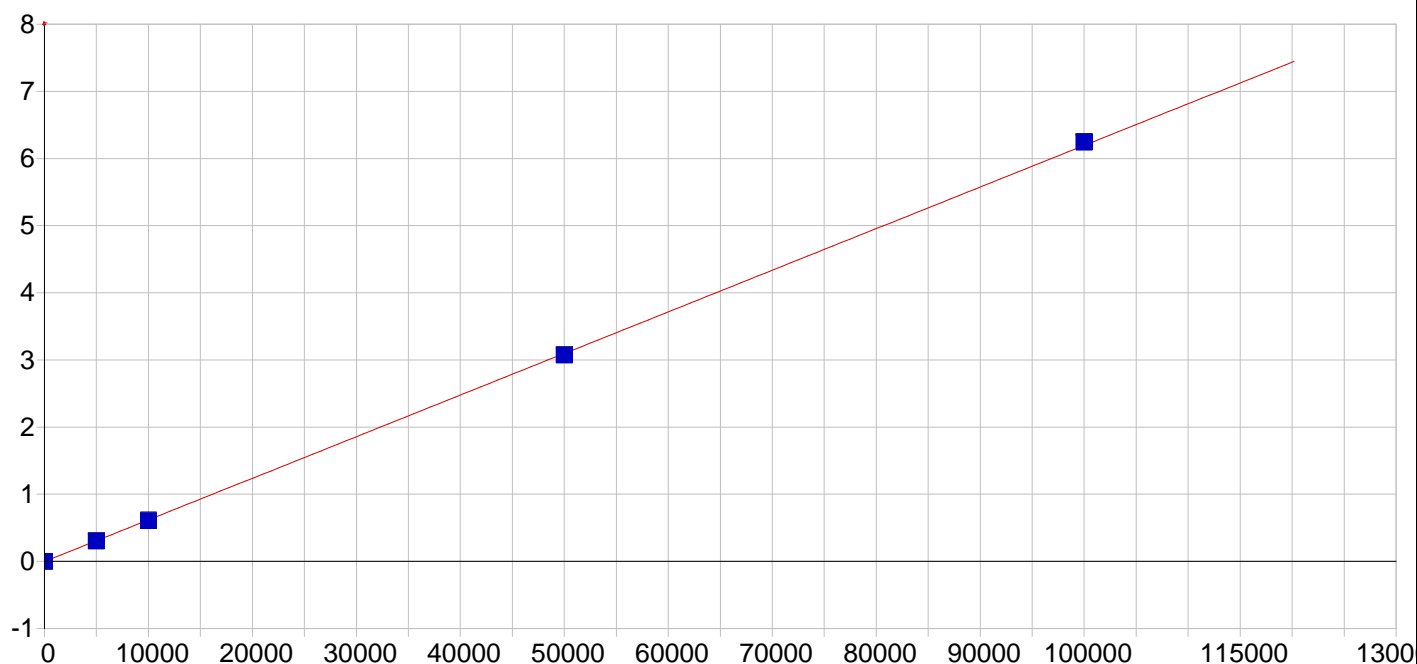
A0 (Offset): 0.002673 Re-Slope: 1.000000
 A1 (Gain): 0.000400 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999947 Status: OK.
 Std Error of Est: 0.000168
 Predicted MDL: 0.309795
 Predicted MQL: 1.032649

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00133		.001	.000	.00267	.000	1
CAL2	25.000		24.524		-.476	-1.91	.01246	.000	1
CAL3	2500.0		2411.0		-89.0	-3.56	.96550	.002	1
CAL4	12500.		12445.		-55.3	-.443	4.9724	.017	1
CAL5	25000.		25145.		145.	.579	10.044	.061	1



Predicted MDL: 12.443061
 Predicted MQL: 41.476869

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.02306		-.023	.000	.00009	.000	1
CAL2	150.00		167.33		17.3	11.6	.00121	.000	1
CAL3	20000.		20783.		783.	3.92	.13842	.001	1
CAL4	100000.		100610.		607.	.607	.66977	.004	1
CAL5	200000.		198590.		-1410.	-.704	1.3220	.007	1

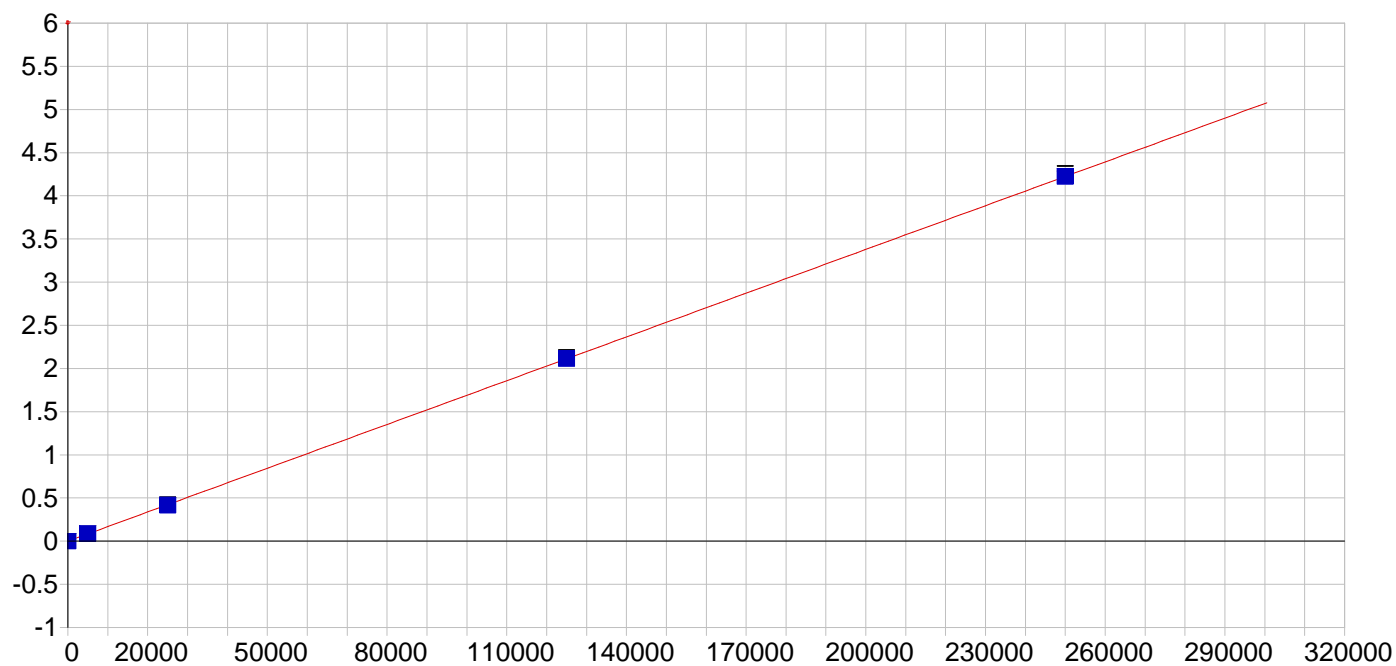


K 766.490 { 44}

Date of Fit: 2/29/2016 16:34:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002194 Re-Slope: 1.000000
 A1 (Gain): 0.000062 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999958 Status: OK.
 Std Error of Est: 0.000665
 Predicted MDL: 38.924972
 Predicted MQL: 129.749906

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.19768		.198	.000	-.00218	.001	1
CAL2	5000.0		4898.5		-101.	-2.03	.30138	.004	1
CAL3	10000.		9822.4		-178.	-1.78	.60675	.002	1
CAL4	50000.		49573.		-427.	-.854	3.0711	.012	1
CAL5	100000.		100710.		706.	.706	6.2411	.011	1

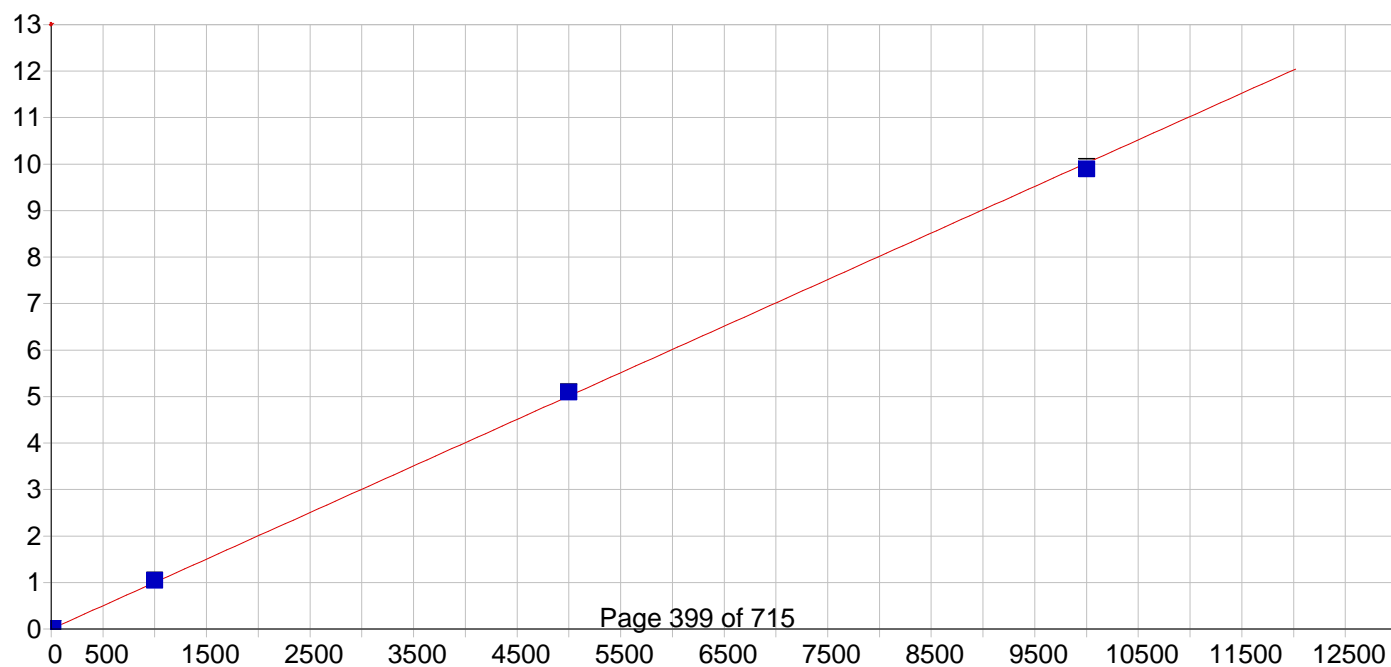


Mg 279.079 {121}

Date of Fit: 2/29/2016 16:34:56 Type of Fit: Linear Weighting: 1/Conc

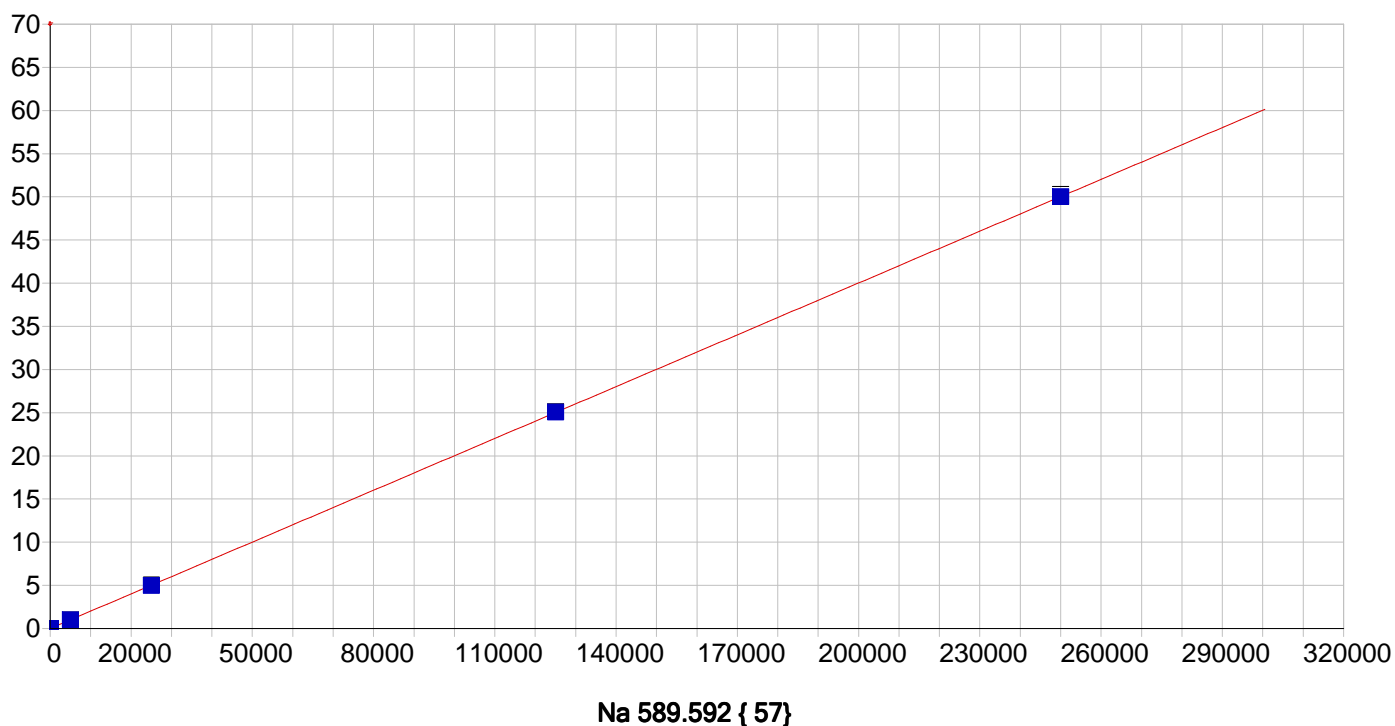
A0 (Offset): -0.000023 Re-Slope: 1.000000
 A1 (Gain): 0.000017 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999992 Status: OK.
 Std Error of Est: 0.000126
 Predicted MDL: 5.638376
 Predicted MQL: 18.794586

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.04508		-.045	.000	-.00002	.000	1
CAL2	5000.0		5103.0		103.	2.06	.08620	.000	1
CAL3	25000.		24672.		-328.	-1.31	.41657	.001	1
CAL4	125000.		125160.		162.	.129	2.1134	.009	1
CAL5	250000.		250060.		63.4	.025	4.2224	.030	1



Predicted MDL: 0.078775
Predicted MQL: 0.262582

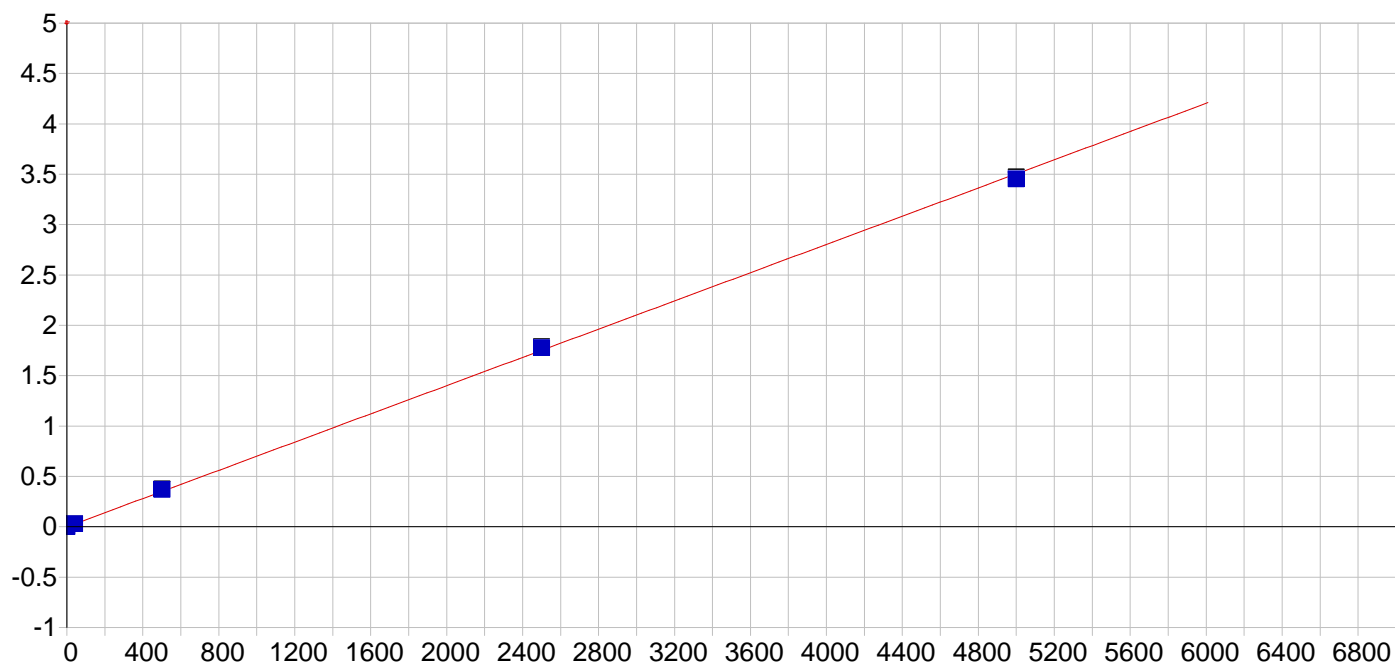
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00189	-.002	.000	.00008	.000	1
CAL2	15.000	16.210	1.21	8.07	.01633	.000	1
CAL3	1000.0	1041.2	41.2	4.12	1.0439	.002	1
CAL4	5000.0	5083.5	83.5	1.67	5.0967	.012	1
CAL5	10000.	9874.1	-126.	-1.26	9.8996	.050	1



Date of Fit: 2/29/2016 16:34:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.008661 Re-Slope: 1.000000
A1 (Gain): 0.000200 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999998 Status: OK.
Std Error of Est: 0.000765
Predicted MDL: 10.339267
Predicted MQL: 34.464223

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.02773	.028	.000	.00867	.003	1
CAL2	5000.0	4998.2	-1.75	-.035	1.0087	.005	1
CAL3	25000.	24827.	-173.	-.692	4.9773	.031	1
CAL4	125000.	125260.	257.	.206	25.076	.071	1
CAL5	250000.	249920.	-82.2	-.033	50.025	.267	1

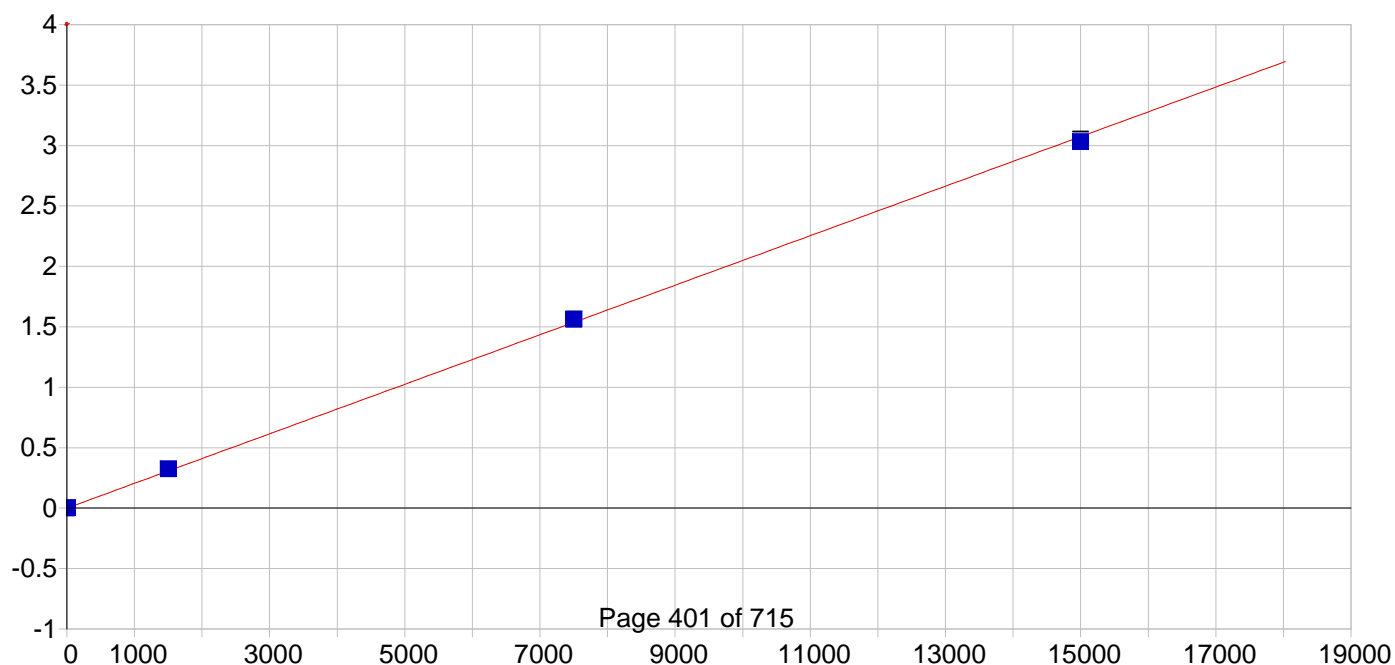


Ni 231.604 {446}

Date of Fit: 2/29/2016 16:34:56 Type of Fit: Linear Weighting: 1/Conc

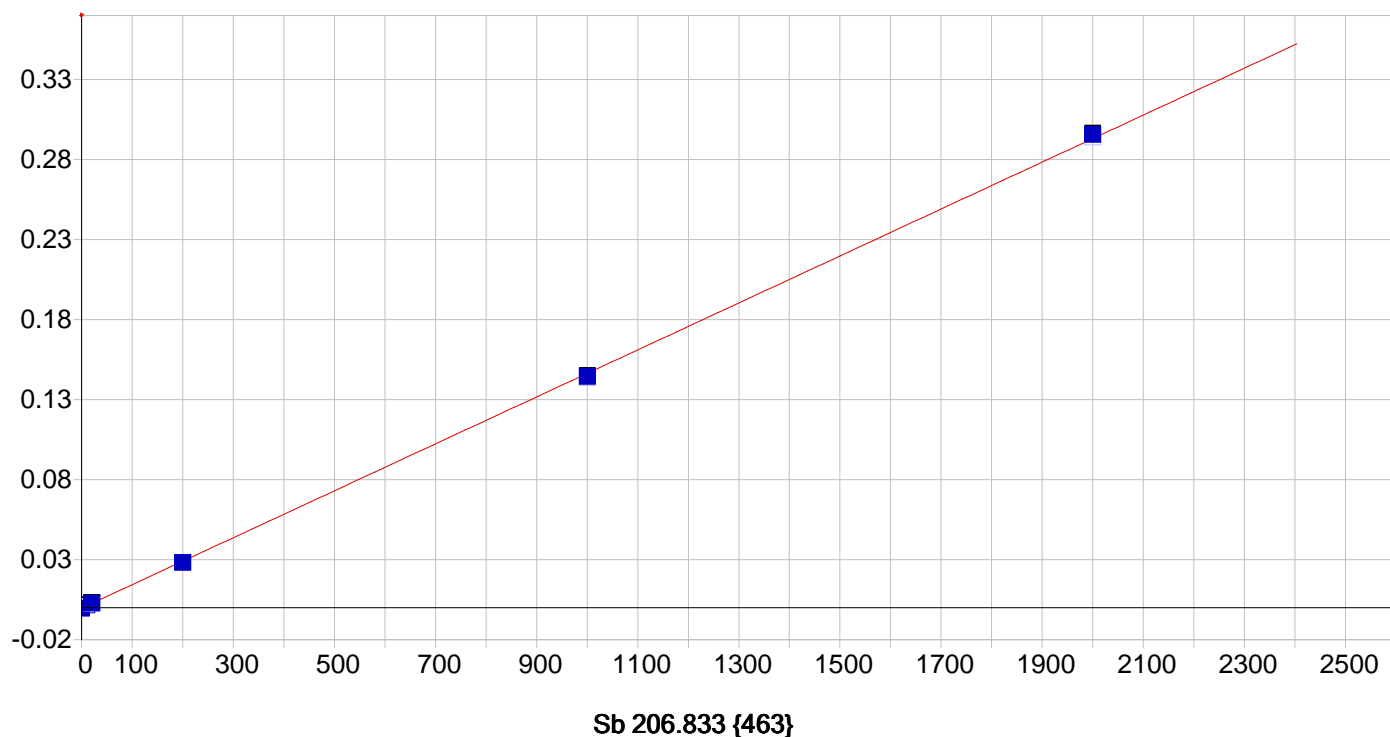
A0 (Offset): -0.000468 Re-Slope: 1.000000
 A1 (Gain): 0.000701 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999760 Status: OK.
 Std Error of Est: 0.000356
 Predicted MDL: 0.526912
 Predicted MQL: 1.756374

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-0.00650		-0.006	.000	-.00047	.000	1
CAL2	40.000		44.055		4.06	10.1	.03041	.000	1
CAL3	500.00		530.06		30.1	6.01	.37148	.003	1
CAL4	2500.0		2538.6		38.6	1.54	1.7809	.004	1
CAL5	5000.0		4927.3		-72.7	-1.45	3.4573	.013	1



Predicted MDL: 1.664358
 Predicted MQL: 5.547860

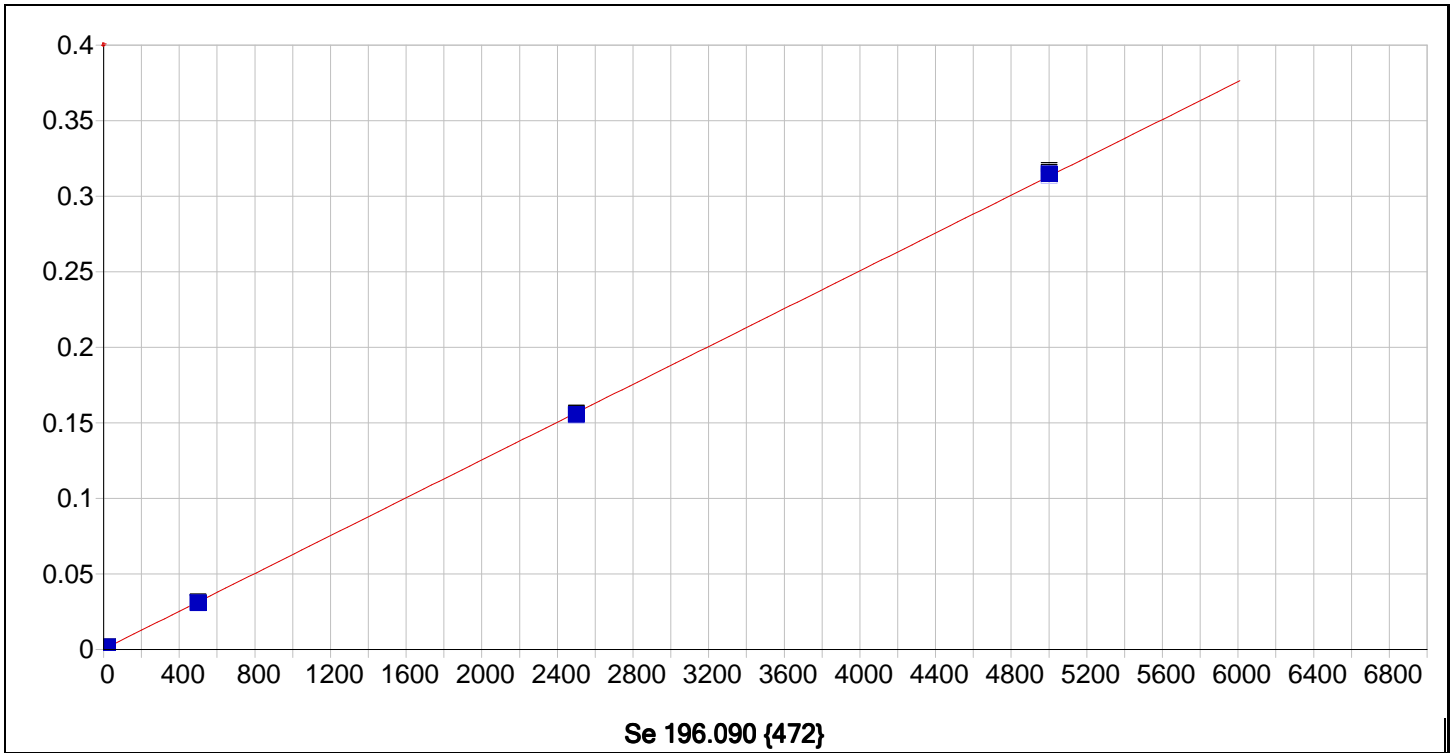
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00319	-.003	.000	.00009	.000	1
CAL2	10.000	12.225	2.23	22.3	.00260	.000	1
CAL3	1500.0	1586.8	86.8	5.78	.32608	.002	1
CAL4	7500.0	7616.3	116.	1.55	1.5650	.005	1
CAL5	15000.	14793.	-207.	-1.38	3.0398	.013	1
CAL1	5.0000	6.7839	1.78	35.7	.00148	.000	1



Date of Fit: 2/29/2016 16:34:56 Type of Fit: Linear Weighting: 1/Conc

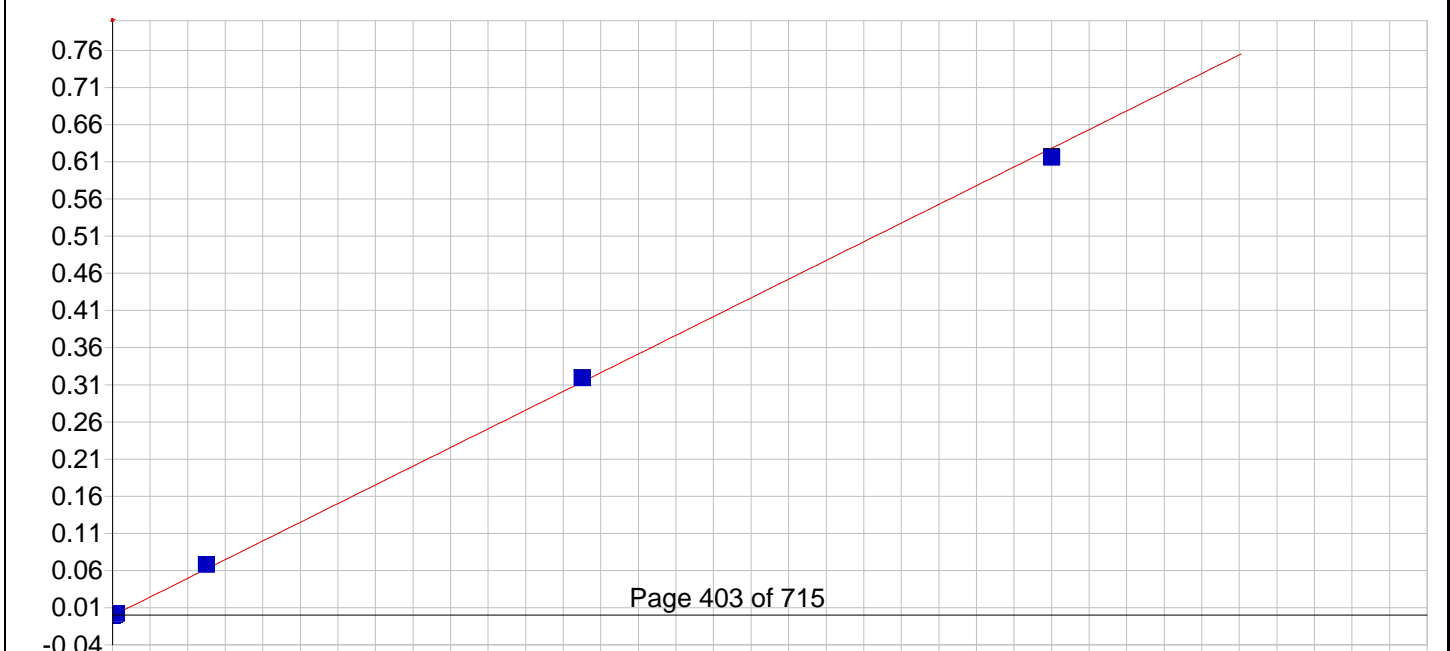
A0 (Offset): -0.000320 Re-Slope: 1.000000
 A1 (Gain): 0.000147 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999788 Status: OK.
 Std Error of Est: 0.000021
 Predicted MDL: 1.819682
 Predicted MQL: 6.065607

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00286	-.003	.000	-.00032	.000	1
CAL2	20.000	20.894	.894	4.47	.00265	.000	1
CAL3	200.00	193.77	-6.23	-3.12	.02796	.000	1
CAL4	1000.0	985.80	-14.2	-1.42	.14357	.001	1
CAL5	2000.0	2016.8	16.8	.838	.29408	.001	1
CAL1	10.000	12.786	2.79	27.9	.00156	.000	1



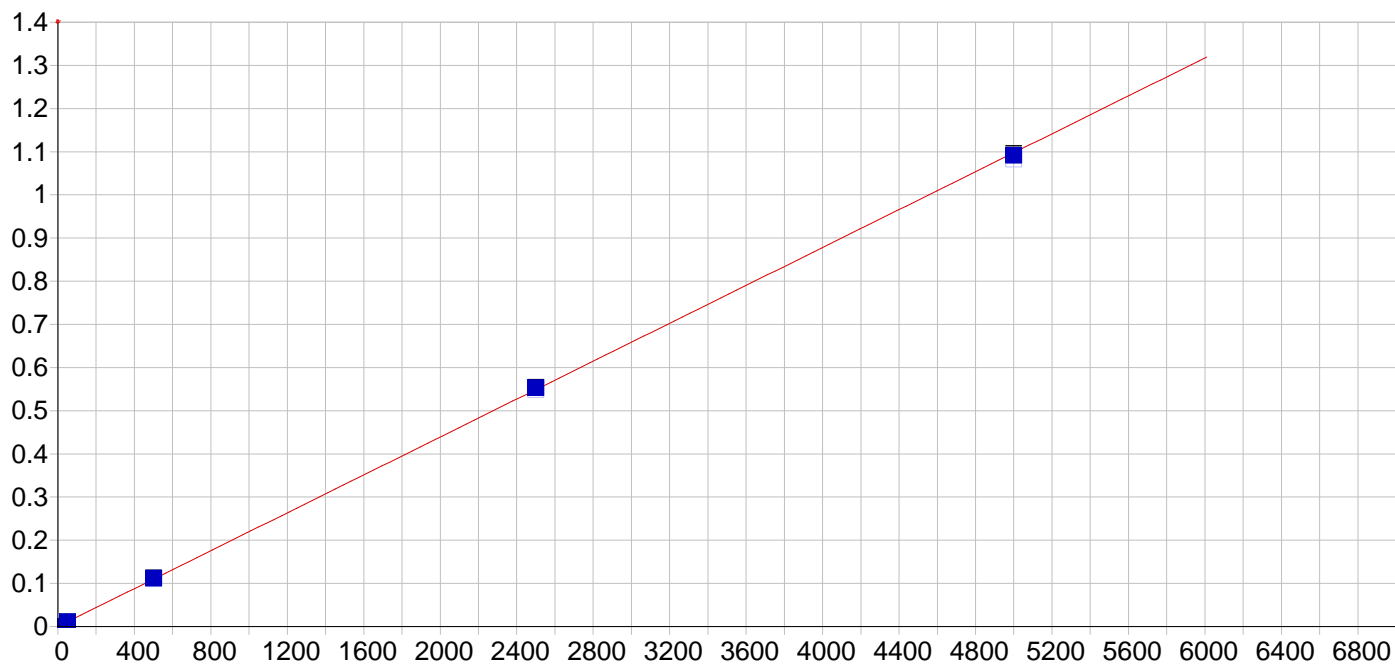
Date of Fit: 2/29/2016 16:34:56 Type of Fit: Linear Weighting: 1/Conc
 A0 (Offset): 0.000242 Re-Slope: 1.000000
 A1 (Gain): 0.000063 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999924 Status: OK.
 Std Error of Est: 0.000006
 Predicted MDL: 3.465947
 Predicted MQL: 11.553156

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00123		-.001	.000	.00024	.000	1
CAL2	20.000		23.586		3.59	17.9	.00172	.000	1
CAL3	500.00		488.91		-11.1	-2.22	.03072	.000	1
CAL4	2500.0		2481.3		-18.7	-.749	.15493	.001	1
CAL5	5000.0		5025.8		25.8	.515	.31358	.002	1
CAL1	5.0000		5.4554		.455	9.11	.00058	.000	1



Std Error of Est: 0.000043
 Predicted MDL: 1.969587
 Predicted MQL: 6.565291

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00445	-.004	.000	-.00082	.000	1
CAL2	20.000	23.296	3.30	16.5	.00211	.000	1
CAL3	500.00	546.35	46.4	9.27	.06782	.000	1
CAL4	2500.0	2545.3	45.3	1.81	.31891	.000	1
CAL5	5000.0	4903.2	-96.8	-1.94	.61507	.001	1
CAL1	10.000	11.891	1.89	18.9	.00068	.000	1

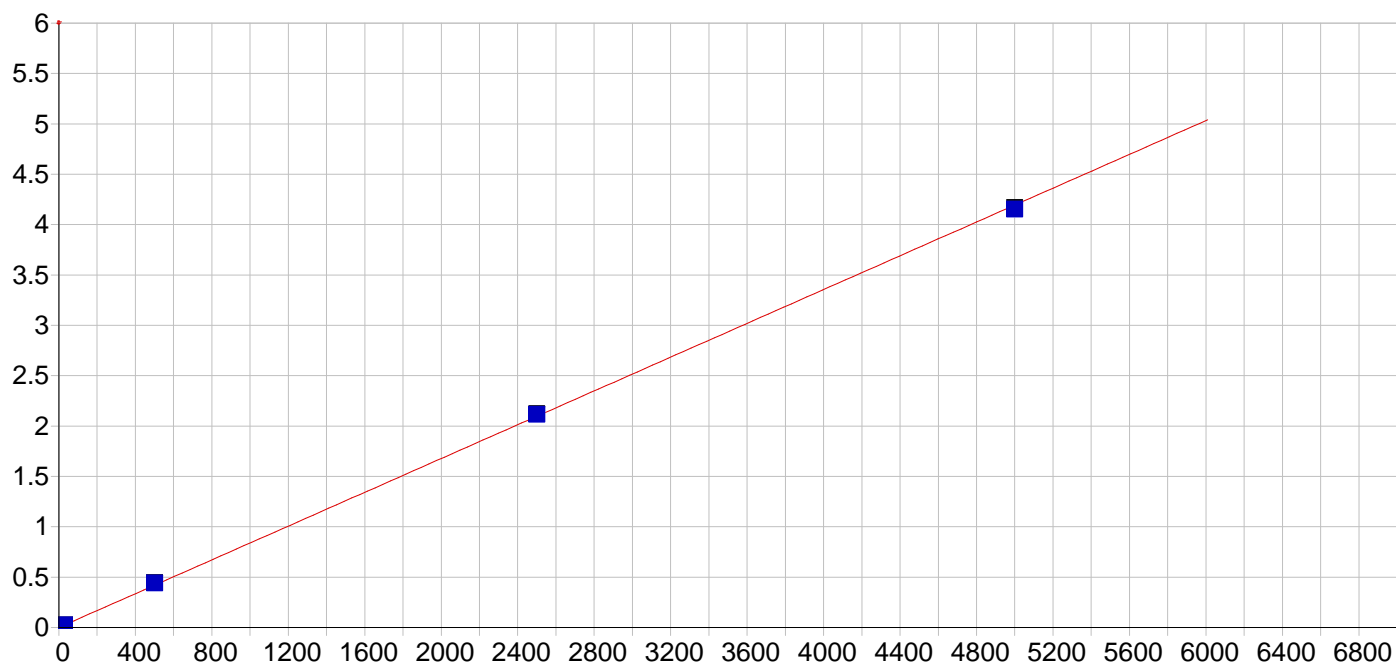


V 292.402 {115}

Date of Fit: 2/29/2016 16:34:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000056 Re-Slope: 1.000000
 A1 (Gain): 0.000220 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999970 Status: OK.
 Std Error of Est: 0.000044
 Predicted MDL: 0.467478
 Predicted MQL: 1.558260

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00249	-.002	.000	.00005	.000	1
CAL2	50.000	51.571	1.57	3.14	.01134	.000	1
CAL3	500.00	508.33	8.33	1.67	.11075	.000	1
CAL4	2500.0	2518.2	18.2	.727	.54839	.001	1
CAL5	5000.0	4971.9	-28.1	-.562	1.0826	.004	1

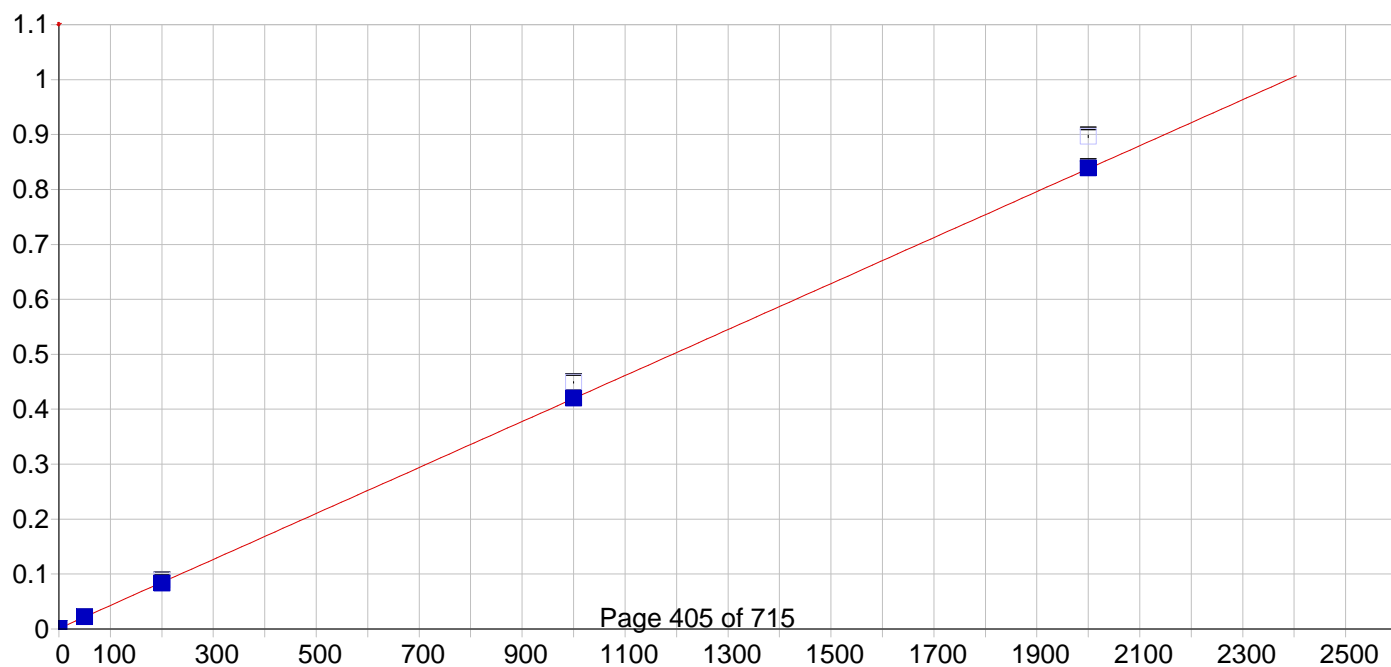


Zn 206.200 {463}

Date of Fit: 2/29/2016 16:34:56 Type of Fit: Linear Weighting: 1/Conc

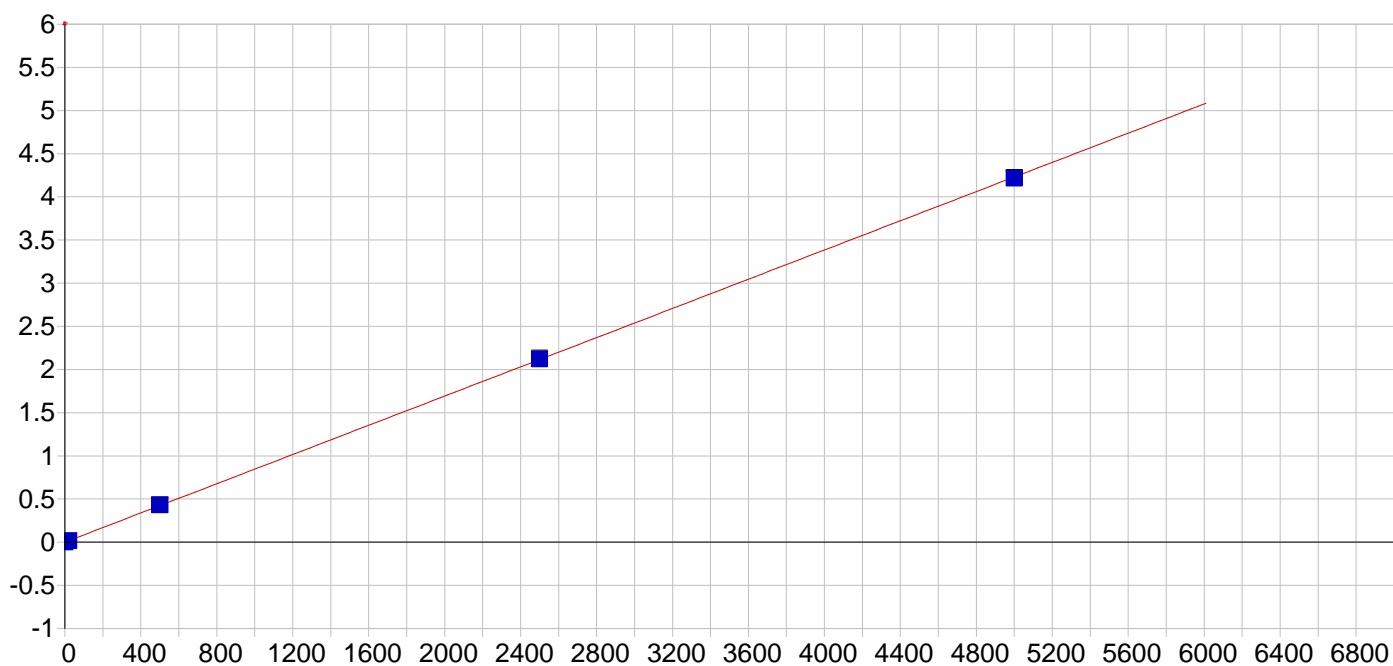
A0 (Offset): 0.000130 Re-Slope: 1.000000
 A1 (Gain): 0.000839 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999873 Status: OK.
 Std Error of Est: 0.000267
 Predicted MDL: 0.259586
 Predicted MQL: 0.865286

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00343		-.003	.000	.00013	.000	1
CAL2	30.000		31.975		1.97	6.58	.02694	.000	1
CAL3	500.00		524.72		24.7	4.94	.43988	.002	1
CAL4	2500.0		2522.3		22.3	.891	2.1139	.004	1
CAL5	5000.0		4951.0		-49.0	-.980	4.1492	.013	1



Predicted MDL: 0.608014
Predicted MQL: 2.026714

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00078		.001	.000	.00111	.000	1
CAL2	50.000		50.023		.023	.045	.02227	.000	1
CAL3	200.00		196.28		-3.72	-1.86	.08901	.001	1
CAL4	1000.0		1001.5		1.46	.146	.44901	.001	1
CAL5	2000.0		2002.2		2.24	.112	.89662	.003	1

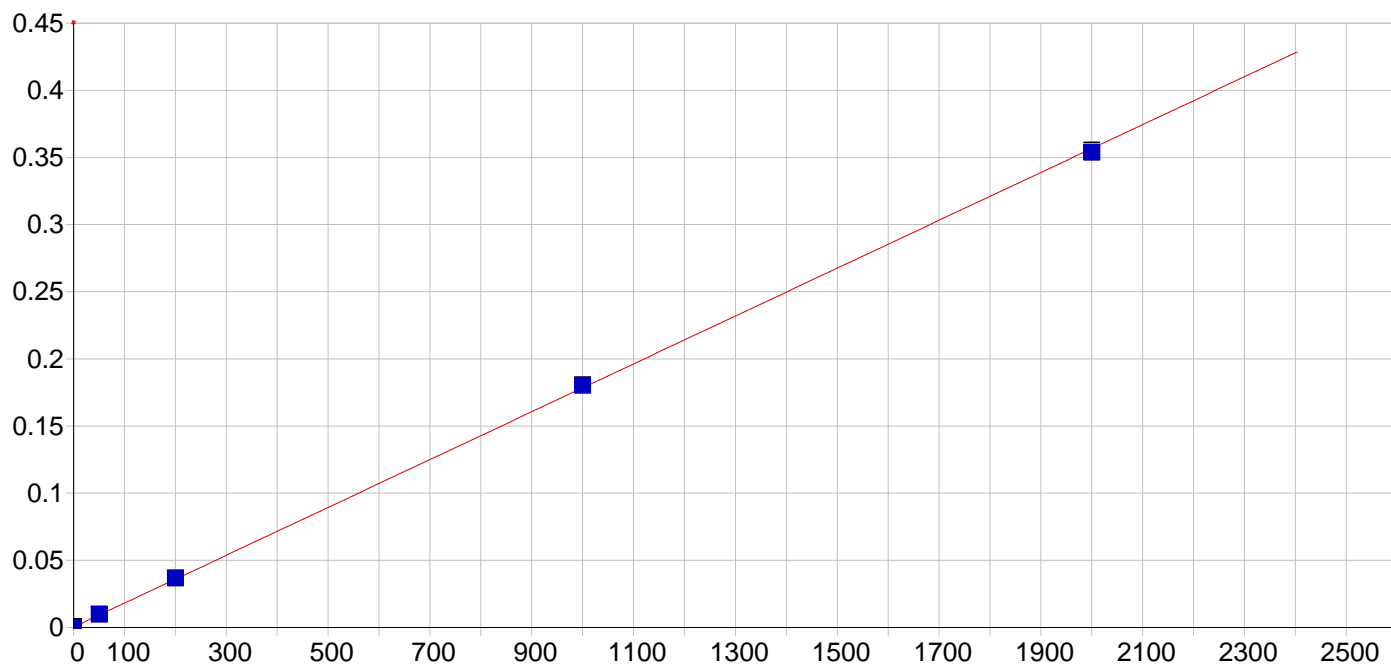


Mo 202.030 {467}

Date of Fit: 2/29/2016 16:34:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000297 Re-Slope: 1.000000
A1 (Gain): 0.000846 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999985 Status: OK.
Std Error of Est: 0.000077
Predicted MDL: 0.262361
Predicted MQL: 0.874538

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00059		-.001	.000	.00030	.000	1
CAL2	20.000		20.257		.257	1.28	.01744	.000	1
CAL3	500.00		508.30		8.30	1.66	.43020	.001	1
CAL4	2500.0		2509.8		9.79	.392	2.1230	.006	1
CAL5	5000.0		4981.6		-18.4	-.367	4.2136	.007	1

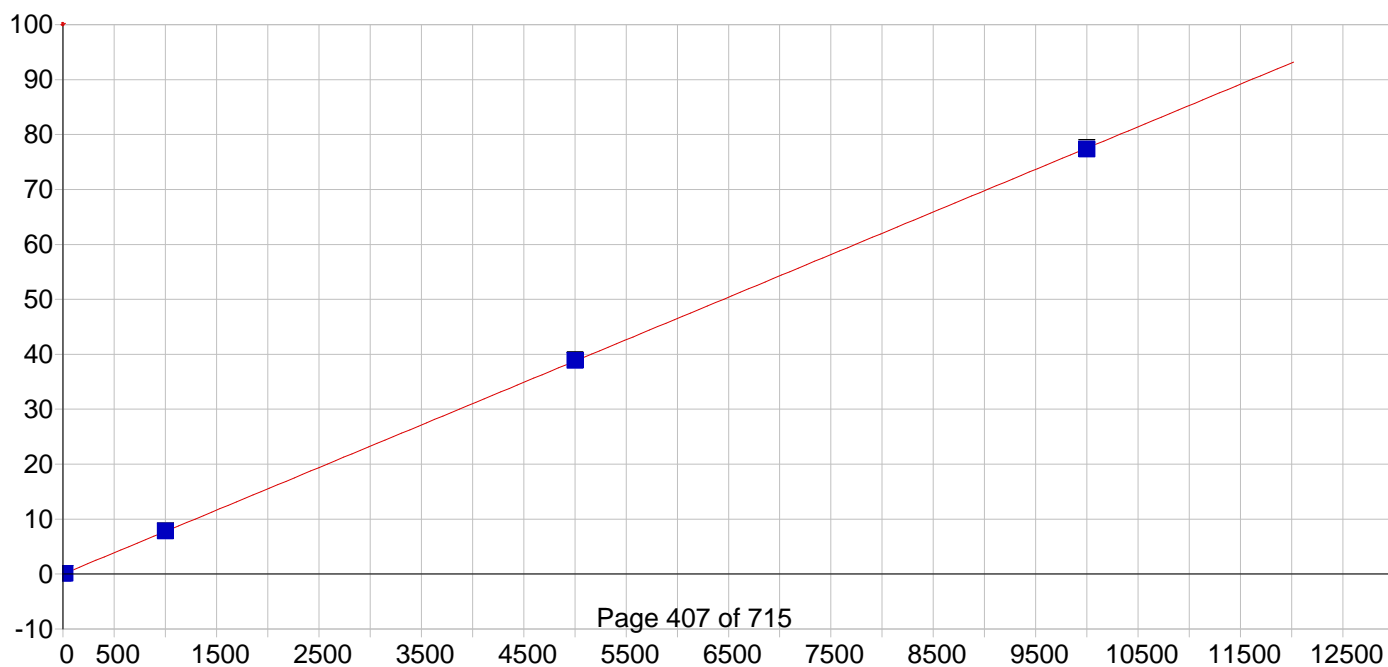


Sn 189.989 {477}

Date of Fit: 2/29/2016 16:34:56 Type of Fit: Linear Weighting: 1/Conc

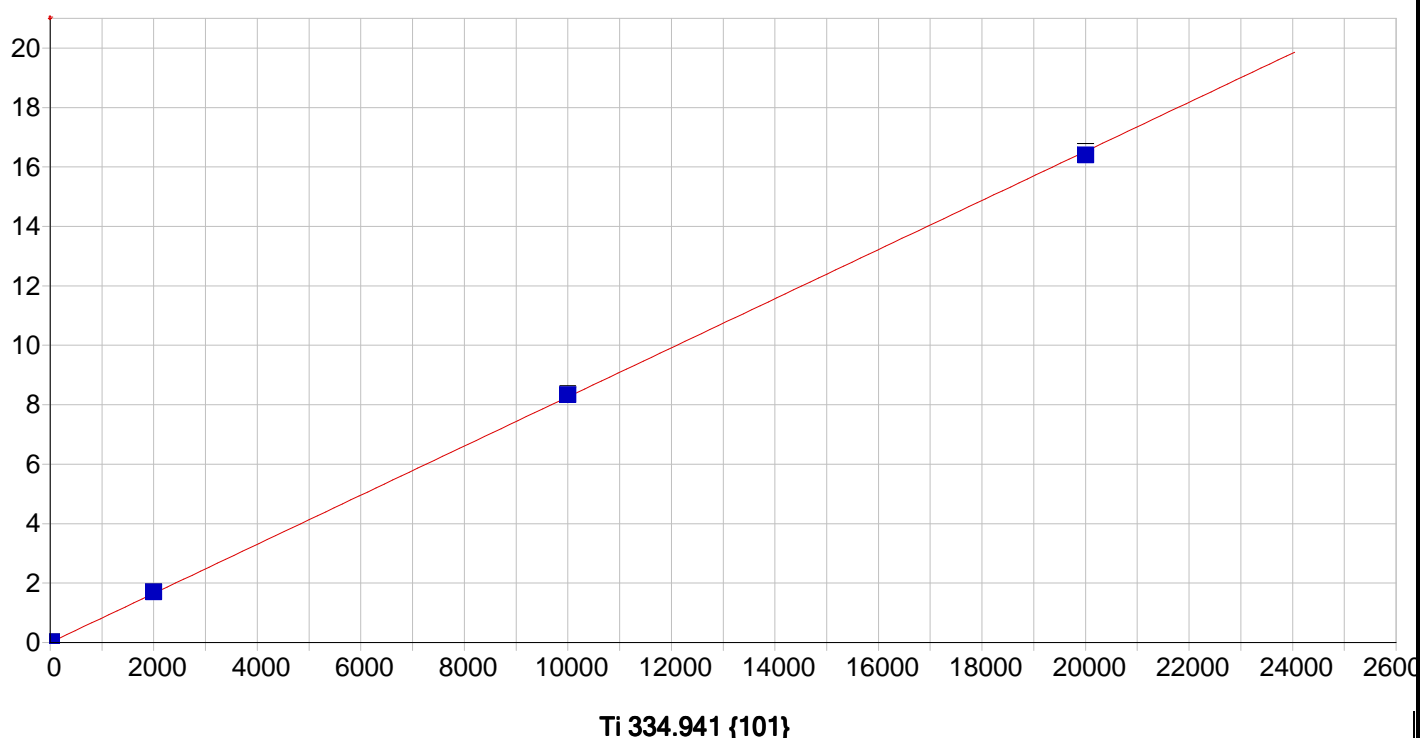
A0 (Offset): 0.000331 Re-Slope: 1.000000
 A1 (Gain): 0.000178 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999928 Status: OK.
 Std Error of Est: 0.000035
 Predicted MDL: 0.933370
 Predicted MQL: 3.111234

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00371		-.004	.000	.00033	.000	1
CAL2	50.000		52.496		2.50	4.99	.00968	.000	1
CAL3	200.00		204.58		4.58	2.29	.03683	.000	1
CAL4	1000.0		1009.9		9.90	.990	.18050	.000	1
CAL5	2000.0		1983.0		-17.0	-.849	.35411	.001	1



Predicted MDL: 0.123058
 Predicted MQL: 0.410193

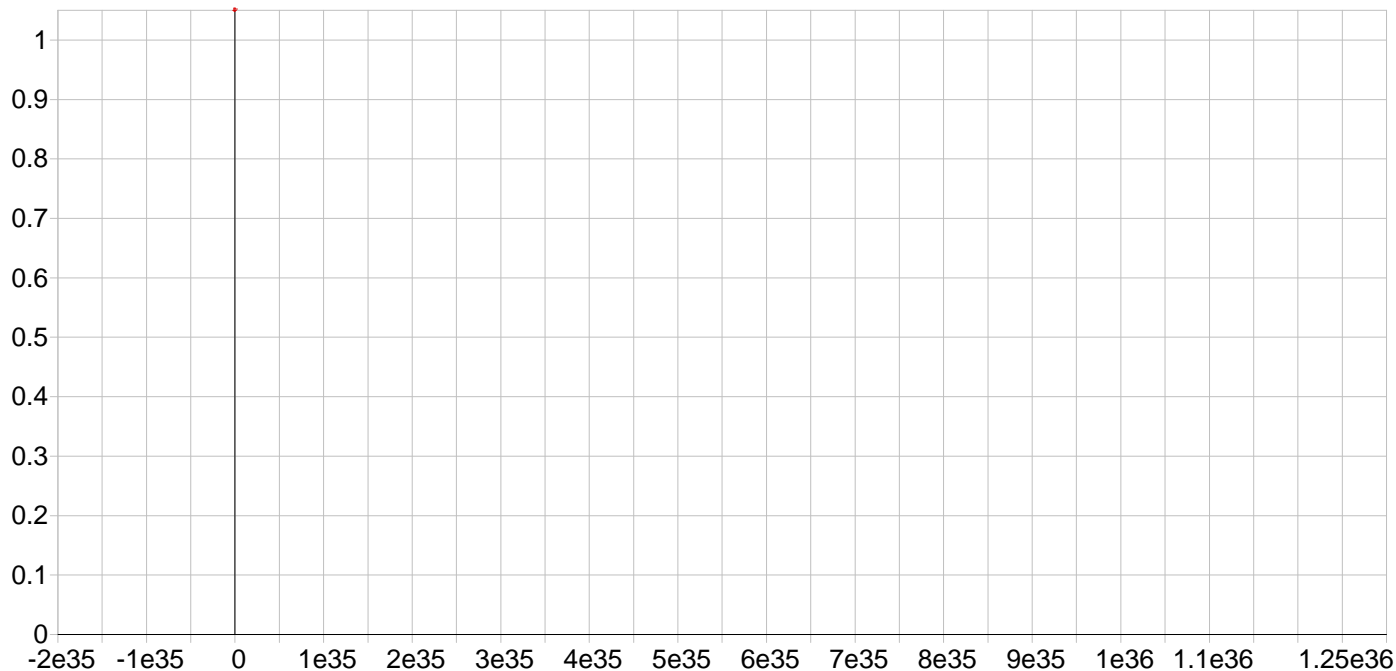
Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00078		-.001	.000	-.00287	.000	1
CAL2	20.000		20.585		.585	2.92	.15696	.001	1
CAL3	1000.0		1009.0		9.01	.901	7.8245	.053	1
CAL4	5000.0		5015.8		15.8	.316	38.907	.053	1
CAL5	10000.		9974.6		-25.4	-.254	77.375	.224	1



Date of Fit: 2/29/2016 16:34:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000517 Re-Slope: 1.000000
 A1 (Gain): 0.000826 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999942 Status: OK.
 Std Error of Est: 0.000291
 Predicted MDL: 0.203183
 Predicted MQL: 0.677278

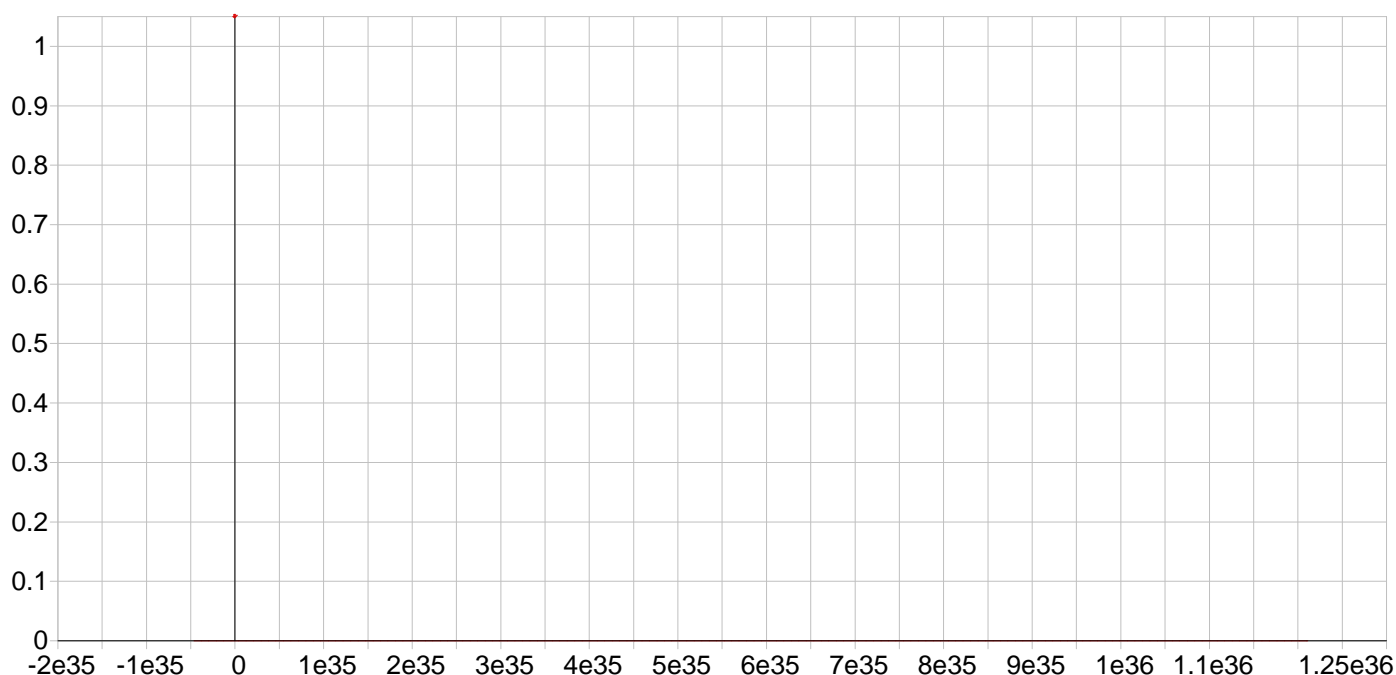
Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00169		-.002	.000	.00052	.000	1
CAL2	20.000		21.077		1.08	5.38	.01794	.000	1
CAL3	2000.0		2057.7		57.7	2.88	1.7007	.005	1
CAL4	10000.		10093.		92.5	.925	8.3396	.018	1
CAL5	20000.		19849.		-151.	-.756	16.401	.123	1



Y 224.306 {450}*
Date of Fit: 2/29/2016 11:49:03 Type of Fit: Linear Weighting: 1/Conc

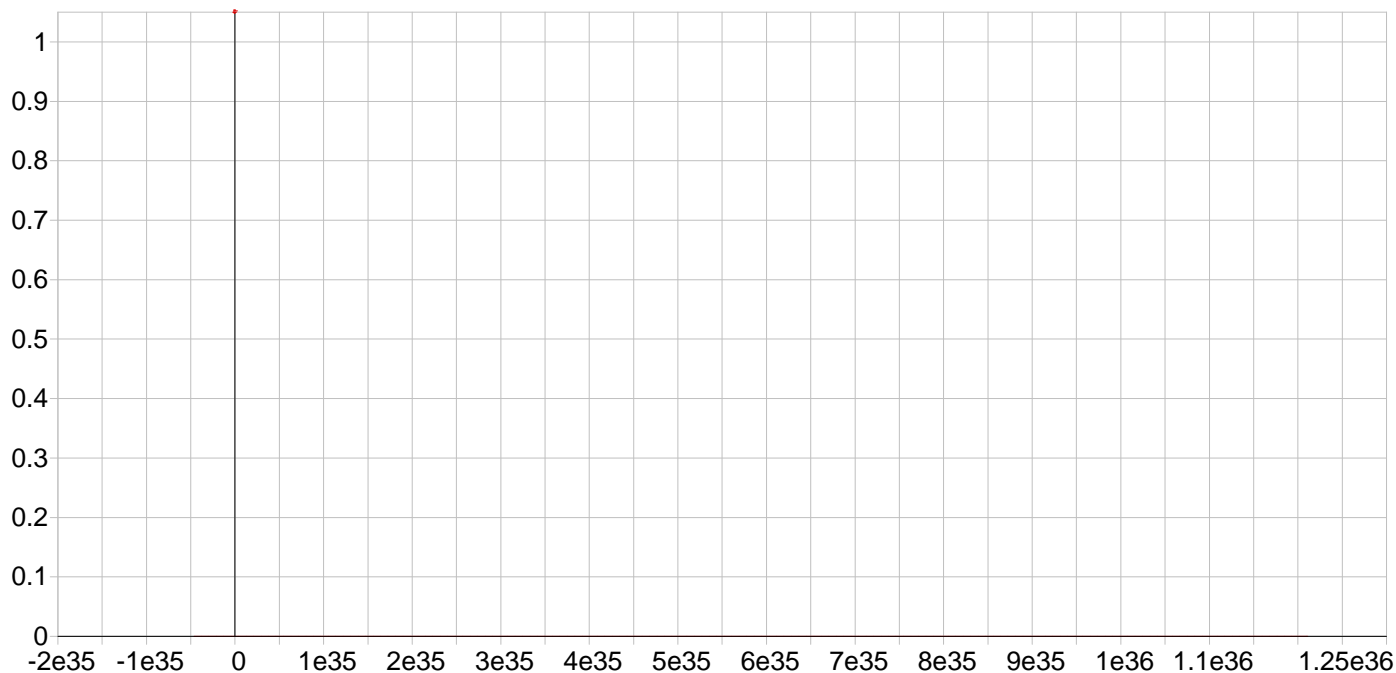
A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	183.492520		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Y 360.073 { 94}*
Date of Fit: 2/29/2016 11:49:03 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000

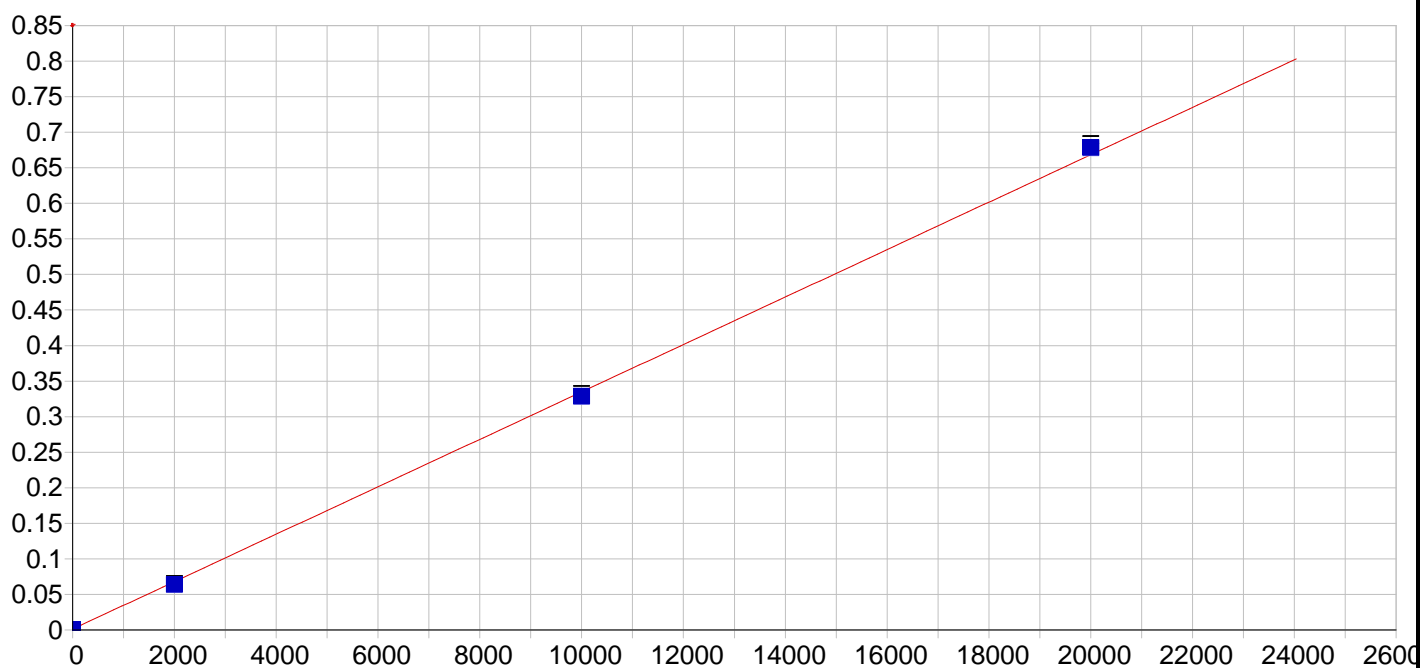


Y 371.030 { 91}*

Date of Fit: 2/29/2016 11:49:03 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: 2/29/2016 16:34:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001262 Re-Slope: 1.000000

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.12794		.128	.000	.00127	.000	1
CAL5	20000.		20309.		309.	1.55	.67764	.005	1
CAL3	2000.0		1878.7		-121.	-6.06	.06382	.001	1
CAL4	10000.		9812.2		-188.	-1.88	.32803	.004	1

Sample Name: ICIS Cal Blk Acquired: 2/29/2016 16:10:55 Type: Cal
Method: sw02152016(v2) 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	-.0005	-.0004	.0001	.0004	-.0006
Stddev	.0002	.0001	.0000	.0004	.0005	.0001
%RSD	82.46	15.20	5.216	259.3	130.7	9.081

#1	-.0004	-.0004	-.0004	.0005	.0001	-.0007
#2	-.0005	-.0004	-.0003	.0001	.0000	-.0006
#3	-.0000	-.0005	-.0004	-.0002	.0009	-.0006

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.0009	-.0001	.0001	.0027	.0001	-.0022
Stddev	.0001	.0004	.0000	.0001	.0000	.0011
%RSD	15.72	289.4	28.49	2.454	26.04	52.00

#1	-.0008	.0003	.0001	.0027	.0001	-.0024
#2	-.0009	-.0003	.0001	.0027	.0001	-.0010
#3	-.0011	-.0005	.0000	.0026	.0001	-.0032

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0000	.0001	.0087	-.0005	.0001	-.0003
Stddev	.0000	.0000	.0034	.0001	.0003	.0002
%RSD	141.2	51.12	38.92	23.37	315.2	49.09

#1	-.0001	.0001	.0124	-.0004	.0004	-.0005
#2	-.0000	.0000	.0077	-.0004	-.0002	-.0003
#3	.0000	.0001	.0059	-.0006	.0001	-.0002

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	-.0008	.0001	.0001	.0011	.0003
Stddev	.0001	.0001	.0000	.0001	.0001	.0003
%RSD	39.07	6.897	61.17	99.31	13.23	107.3

#1	.0001	-.0008	.0001	.0002	.0013	-.0001
#2	.0002	-.0008	.0001	.0002	.0011	.0005
#3	.0003	-.0009	.0000	-.0000	.0010	.0005

Sample Name: ICIS Cal Blk Acquired: 2/29/2016 16:10:55 Type: Cal
Method: sw02152016(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0003	-.0029	.0005	.0013
Stddev	.0001	.0003	.0001	.0003
%RSD	35.44	11.99	10.53	21.71

#1	.0002	-.0026	.0005	.0012
#2	.0003	-.0028	.0006	.0010
#3	.0005	-.0032	.0005	.0016

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2937.7	37098.	4795.3
Stddev	5.3	159.	22.3
%RSD	.18206	.42808	.46578

#1	2931.6	36915.	4777.4
#2	2941.5	37176.	4788.1
#3	2939.9	37202.	4820.3

Sample Name: LCS 460-345023/2-A Acquired: 2/29/2016 17:06:20 Type: QC
Method: sw02152016(v2) 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 2026.	F 1921.	F 49.57	F 2006.	F 51.03	F 20190.
Stddev	29.	4.	.19	2.	.10	59.
%RSD	1.438	.2105	.3857	.0920	.1863	.2930

#1	2015.	1917.	49.65	2008.	51.01	20230.
#2	2004.	1925.	49.36	2004.	51.13	20120.
#3	2059.	1922.	49.71	2006.	50.94	20210.

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 51.97	F 516.4	F 206.4	F 242.5	F 1048.	F 18250.
Stddev	.09	.5	2.6	.2	8.	88.
%RSD	.1807	.0885	1.265	.0937	.7545	.4849

#1	51.94	516.4	209.4	242.6	1050.	18150.
#2	51.89	515.9	204.5	242.2	1040.	18280.
#3	52.07	516.9	205.2	242.6	1056.	18320.

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 19920.	F 516.3	F 19530.	F 526.8	F 528.4	F 482.3
Stddev	42.	.6	21.	1.0	2.5	1.8
%RSD	.2126	.1226	.1077	.1826	.4673	.3788

#1	19960.	516.8	19550.	527.9	527.3	480.6
#2	19880.	515.6	19510.	526.1	531.2	484.2
#3	19910.	516.5	19540.	526.5	526.7	482.1

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 460-345023/2-A Acquired: 2/29/2016 17:06:20 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 2032.	F 2237.	F 502.6	F 534.8	F 514.8	F 492.7
Stddev	2.	5.	2.5	1.7	.7	.4
%RSD	.0893	.2169	.5054	.3176	.1305	.0822

#1	2031.	2241.	505.4	536.1	514.2	492.9
#2	2034.	2231.	501.9	532.9	515.5	492.3
#3	2032.	2238.	500.4	535.5	514.6	493.1

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 516.9	F 492.9	F 507.5	F 176.5
Stddev	1.7	2.1	.4	13.8
%RSD	.3288	.4336	.0880	7.797

#1	518.6	491.6	507.3	166.0
#2	515.2	491.8	507.1	192.1
#3	516.9	495.4	508.0	171.5

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	3030.7	37564.	4959.0
Stddev	11.9	170.	27.4
%RSD	.39424	.45284	.55242

#1	3035.5	37689.	4961.6
#2	3039.5	37633.	4985.1
#3	3017.1	37371.	4930.5

Sample Name: sd 460-107151-D-1-B Acquired: 2/29/2016 17:17:38 Type: Unk
Method: sw02152016(v2) 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	7.960	.3726	.0188	.3220	.0023	966.0
Stddev	2.880	.8028	.1862	.0525	.0272	40.0
%RSD	36.17	215.5	990.3	16.29	1176.	4.140
#1	6.905	-.2200	.0013	.3627	.0289	1004.
#2	11.22	1.286	-.1581	.3406	-.0255	970.3
#3	5.758	.0514	.2132	.2628	.0036	924.0

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	.0351	.1417	.0933	1.703	33.89	1752.
Stddev	.0607	.0644	.1092	.277	5.56	52.
%RSD	173.0	45.41	117.1	16.28	16.40	2.951
#1	-.0347	.1787	.1253	1.684	31.63	1808.
#2	.0651	.1791	-.0284	1.989	40.23	1743.
#3	.0749	.0674	.1829	1.436	29.82	1706.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1407.	.6498	53000.	.5056	-.0871	.2785
Stddev	54.	.0625	1969.	.3577	1.498	1.930
%RSD	3.873	9.612	3.715	70.73	1719.	693.2
#1	1459.	.7219	54870.	.0937	-1.731	1.668
#2	1411.	.6110	53190.	.6864	.2703	-1.925
#3	1351.	.6166	50950.	.7368	1.200	1.093

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

Sample Name: sd 460-107151-D-1-B Acquired: 2/29/2016 17:17:38 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.500	1.145	.1052	3.033	30.09	.2892
Stddev	.748	1.430	.3845	.193	1.75	.1369
%RSD	29.91	124.9	365.4	6.376	5.815	47.35
#1	1.715	.6125	-.1957	2.982	31.73	.4458
#2	3.204	2.765	-.0270	3.247	30.30	.1916
#3	2.581	.0573	.5384	2.870	28.25	.2303

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	-.6447	5.404	.1845	495.4
Stddev	.7151	.101	.2406	4.3
%RSD	110.9	1.876	130.4	.8606
#1	-1.151	5.461	-.0121	491.3
#2	.1733	5.464	.1127	495.0
#3	-.9561	5.286	.4528	499.8

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	2988.8	37380.	4946.7
Stddev	8.2	124.	46.0
%RSD	.27357	.33236	.92906
#1	2980.7	37245.	4902.9
#2	2997.1	37404.	4942.6
#3	2988.5	37490.	4994.6

Sample Name: CCB Acquired: 2/29/2016 17:28:43 Type: QC
Method: sw02152016(v2) 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	12.03	.0193	.1623	.5383	.0019	15.24
Stddev	12.82	1.488	.3153	.5036	.1537	1.40
%RSD	106.6	7707.	194.3	93.57	8026.	9.199
#1	23.66	-1.423	-.0338	.2361	.1639	13.73
#2	-1.718	-.0682	-.0054	.2590	-.1418	16.50
#3	14.16	1.550	.5260	1.120	-.0164	15.49

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.1493	.1653	.2229	-.1182	-1.287	26.27
Stddev	.0726	.2527	.3170	.1581	3.924	14.52
%RSD	48.62	152.8	142.3	133.8	304.9	55.27
#1	.1347	-.0508	.4042	-.2115	-2.809	16.81
#2	.0851	.1036	-.1432	-.2075	3.170	42.99
#3	.2280	.4432	.4076	.0644	-4.222	19.02

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6209	.1157	21.48	-.0924	.7197	2.031
Stddev	4.183	.0357	8.99	.1960	.6521	1.648
%RSD	673.6	30.83	41.83	212.1	90.60	81.13
#1	-4.842	.1259	28.23	-.2152	1.463	3.383
#2	3.522	.1451	24.93	.1336	.2423	2.517
#3	-.5430	.0760	11.28	-.1955	.4542	.1951

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

Sample Name: CCB Acquired: 2/29/2016 17:28:43 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.780	.8131	-.0029	-.0838	1.406	.9893
Stddev	4.831	1.618	.2842	.1307	.455	.5967
%RSD	271.5	199.0	9875.	155.9	32.37	60.31
#1	-3.699	-.5205	-.3224	-.0009	1.844	1.665
#2	5.425	2.613	.0923	-.2345	1.437	.7684
#3	3.613	.3469	.2215	-.0161	.9358	.5346

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	-.1644	.1315	.3961	9.663
Stddev	.7646	.1683	.1240	7.275
%RSD	465.2	127.9	31.32	75.28
#1	.7183	.3151	.4538	14.88
#2	-.6221	-.0154	.4807	12.76
#3	-.5894	.0949	.2537	1.353

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	3000.2	37735.	4930.1
Stddev	13.4	58.	6.3
%RSD	.44766	.15256	.12812
#1	2986.7	37680.	4925.7
#2	3000.5	37731.	4927.2
#3	3013.5	37795.	4937.3

Sample Name: pds 460-107151-D-1-B Acquired: 2/29/2016 17:36:28 Type: Unk
Method: sw02152016(v2) 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	2104.	2024.	49.43	2024.	53.11	24990.
Stddev	14.	4.	.58	5.	.16	58.
%RSD	.6746	.1814	1.171	.2650	.3027	.2316
#1	2111.	2020.	49.93	2018.	52.92	25010.
#2	2114.	2024.	49.56	2025.	53.17	24930.
#3	2088.	2027.	48.79	2028.	53.22	25040.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	52.16	518.2	212.3	256.2	1213.	27520.
Stddev	.19	.7	.8	1.2	18.	62.
%RSD	.3591	.1381	.3816	.4768	1.498	.2269
#1	52.11	517.4	211.6	255.8	1232.	27450.
#2	52.00	518.7	212.1	255.3	1196.	27560.
#3	52.36	518.4	213.2	257.6	1213.	27540.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26890.	524.2	F 283000.	528.0	523.6	492.0
Stddev	106.	.9	4789.	1.7	2.6	2.2
%RSD	.3929	.1717	1.692	.3245	.5007	.4543
#1	26830.	523.5	281200.	526.3	520.7	489.5
#2	26820.	523.8	288500.	528.0	525.8	493.8
#3	27010.	525.2	279500.	529.7	524.3	492.9

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

Sample Name: pds 460-107151-D-1-B Acquired: 2/29/2016 17:36:28 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2107.	2131.	519.9	562.9	683.1	503.2
Stddev	3.	1.	1.5	1.0	1.9	2.1
%RSD	.1466	.0453	.2956	.1797	.2796	.4225
#1	2108.	2130.	518.2	562.4	681.0	501.0
#2	2104.	2132.	520.3	564.1	683.3	503.5
#3	2110.	2131.	521.3	562.2	684.9	505.2

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	522.7	532.3	523.5	2588.
Stddev	1.9	.5	1.3	21.
%RSD	.3569	.0970	.2418	.7935
#1	520.5	531.7	522.8	2607.
#2	523.6	532.4	522.6	2592.
#3	523.9	532.7	524.9	2566.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2950.0	36458.	4929.8
Stddev	25.5	398.	65.4
%RSD	.86562	1.0927	1.3272
#1	2977.2	36839.	4992.9
#2	2946.0	36491.	4934.1
#3	2926.6	36045.	4862.3

Sample Name: 460-109429-A-15-A@4 Acquired: 2/29/2016 17:47:36 Type: Unk
Method: sw02152016(v2) 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	53790.	11.23	.6418	463.3	4.177	12610.
Stddev	191.	1.84	.2313	.6	.039	16.
%RSD	.3556	16.36	36.04	.1335	.9396	.1257
#1	53570.	13.35	.5938	463.4	4.134	12610.
#2	53900.	10.07	.4382	463.9	4.211	12620.
#3	53900.	10.27	.8933	462.7	4.185	12590.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.3980	14.20	96.20	64.96	36200.	1597.
Stddev	.0925	.12	.66	.30	97.	38.
%RSD	23.25	.8303	.6836	.4566	.2684	2.390
#1	.3951	14.06	95.63	65.04	36240.	1561.
#2	.3069	14.28	96.04	64.63	36260.	1594.
#3	.4919	14.25	96.92	65.21	36080.	1637.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6573.	602.1	465.6	35.28	201.1	2.787
Stddev	17.	.8	10.0	.53	.8	1.865
%RSD	.2657	.1286	2.148	1.506	.4048	66.94
#1	6573.	602.6	466.3	35.26	202.0	4.923
#2	6591.	602.5	475.1	34.76	200.5	1.955
#3	6556.	601.2	455.2	35.82	200.8	1.482

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

Sample Name: 460-109429-A-15-A@4 Acquired: 2/29/2016 17:47:36 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.716	-1.283	91.21	491.8	6.353	1.083
Stddev	1.153	1.643	.05	1.8	.611	.136
%RSD	31.03	128.1	.0579	.3604	9.616	12.51
#1	3.539	-.4644	91.18	490.6	6.051	.9982
#2	2.662	-.2089	91.27	491.0	7.057	1.240
#3	4.947	-3.175	91.18	493.8	5.953	1.012

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	8.514	93.10	831.2	1199.
Stddev	.917	.36	1.3	19.
%RSD	10.77	.3906	.1515	1.605
#1	7.700	92.68	830.8	1178.
#2	9.508	93.33	830.1	1216.
#3	8.332	93.28	832.6	1204.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3347.5	41525.	5367.1
Stddev	4.5	67.	2.2
%RSD	.13393	.16172	.04027
#1	3351.2	41500.	5369.0
#2	3348.9	41601.	5364.7
#3	3342.5	41474.	5367.5

Sample Name: 460-109429-A-18-A@4 Acquired: 2/29/2016 17:58:52 Type: Unk
Method: sw02152016(v2) 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	38490.	9.641	.5596	156.5	1.761	3755.
Stddev	256.	.566	.2916	.9	.081	19.
%RSD	.6656	5.868	52.10	.5956	4.591	.5128
#1	38250.	10.29	.3249	155.6	1.824	3735.
#2	38460.	9.328	.4680	156.5	1.669	3756.
#3	38760.	9.301	.8860	157.5	1.789	3774.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.3509	13.77	37.44	25.86	38990.	1916.
Stddev	.0892	.19	.35	.11	81.	18.
%RSD	25.42	1.405	.9286	.4389	.2066	.9242
#1	-.4538	13.94	37.09	25.81	38900.	1896.
#2	-.2960	13.56	37.78	25.78	39040.	1921.
#3	-.3029	13.80	37.44	25.99	39040.	1931.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6692.	1288.	260.9	31.81	36.87	2.303
Stddev	16.	4.	5.6	.37	1.83	1.561
%RSD	.2336	.2751	2.146	1.175	4.960	67.79
#1	6701.	1285.	257.9	31.49	35.22	4.049
#2	6674.	1288.	257.4	32.22	38.84	1.818
#3	6702.	1292.	267.3	31.74	36.56	1.042

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

Sample Name: 460-109429-A-18-A@4 Acquired: 2/29/2016 17:58:52 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.581	-1.963	57.64	94.15	7.462	.7988
Stddev	1.172	1.071	.41	.81	.330	.0315
%RSD	25.57	54.57	.7188	.8602	4.416	3.946
#1	4.759	-3.054	57.18	93.55	7.087	.7684
#2	5.654	-.9128	57.75	93.83	7.706	.8314
#3	3.331	-1.923	57.98	95.07	7.593	.7967

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	5.396	29.02	740.0	994.4
Stddev	.746	.24	4.1	31.0
%RSD	13.82	.8196	.5563	3.121
#1	6.255	28.85	735.8	958.7
#2	4.905	28.92	740.2	1015.
#3	5.030	29.29	744.0	1010.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3163.1	39373.	5160.6
Stddev	12.7	445.	85.6
%RSD	.40099	1.1292	1.6592
#1	3148.9	38862.	5068.0
#2	3167.5	39589.	5236.9
#3	3173.1	39668.	5177.0

Sample Name: 460-109429-A-20-A@4 Acquired: 2/29/2016 18:06:24 Type: Unk
Method: sw02152016(v2) 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	26530.	49.52	2.487	317.0	2.111	4930.
Stddev	46.	2.57	.396	1.0	.058	19.
%RSD	.1749	5.199	15.92	.3059	2.745	.3775
#1	26490.	47.28	2.202	316.9	2.057	4909.
#2	26580.	52.33	2.940	318.1	2.172	4934.
#3	26520.	48.93	2.321	316.2	2.103	4946.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	2.407	21.60	48.43	1022.	53410.	2446.
Stddev	.085	.17	.34	1.	132.	48.
%RSD	3.528	.8041	.6970	.1314	.2470	1.972
#1	2.498	21.65	48.04	1022.	53260.	2396.
#2	2.391	21.74	48.64	1021.	53440.	2492.
#3	2.331	21.40	48.61	1024.	53520.	2450.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1467.	358.1	564.0	79.85	3259.	10.63
Stddev	8.	.2	6.4	.65	12.	.64
%RSD	.5253	.0617	1.139	.8192	.3710	5.983
#1	1458.	358.3	558.9	79.60	3266.	9.954
#2	1468.	358.1	571.3	79.35	3266.	11.22
#3	1473.	357.9	562.0	80.59	3245.	10.73

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

Sample Name: 460-109429-A-20-A@4 Acquired: 2/29/2016 18:06:24 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.22	-3.046	107.4	578.0	4.970	11.53
Stddev	.82	1.706	.6	.5	.380	.03
%RSD	4.245	56.00	.5492	.0899	7.648	.2272
#1	20.14	-1.409	107.8	577.9	4.593	11.56
#2	18.98	-4.813	106.7	577.6	4.965	11.51
#3	18.56	-2.917	107.8	578.6	5.353	11.52

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	199.3	58.65	273.3	1228.
Stddev	2.0	.32	.3	30.
%RSD	.9884	.5431	.1212	2.417
#1	200.3	58.28	273.4	1201.
#2	200.5	58.83	273.6	1260.
#3	197.0	58.84	272.9	1222.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3079.7	38688.	5005.7
Stddev	8.3	202.	52.2
%RSD	.27071	.52311	1.0427
#1	3070.1	38455.	4951.9
#2	3085.2	38792.	5056.1
#3	3083.8	38817.	5009.0

Sample Name: CCV Acquired: 2/29/2016 18:13:51 Type: QC
Method: sw02152016(v2) 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	127100.	2397.	1229.	9853.	1020.	122900.
Stddev	466.	6.	1.	24.	5.	85.
%RSD	.3664	.2455	.1087	.2409	.4848	.0693

#1	126600.	2390.	1229.	9826.	1015.	122900.
#2	127300.	2399.	1230.	9870.	1020.	122900.
#3	127500.	2401.	1228.	9864.	1025.	123000.

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	1233.	2478.	4919.	12280.	100400.	49630.
Stddev	1.	3.	11.	36.	192.	92.
%RSD	.1108	.1402	.2272	.2970	.1917	.1855

#1	1232.	2474.	4908.	12260.	100600.	49520.
#2	1234.	2479.	4919.	12270.	100300.	49660.
#3	1234.	2481.	4930.	12320.	100200.	49700.

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	120800.	4992.	122900.	2458.	7351.	975.2
Stddev	289.	5.	305.	9.	22.	3.4
%RSD	.2391	.0962	.2477	.3654	.2971	.3443

#1	120600.	4987.	122600.	2448.	7326.	971.8
#2	120600.	4996.	123000.	2464.	7362.	978.5
#3	121100.	4994.	123200.	2463.	7366.	975.4

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

Sample Name: CCV Acquired: 2/29/2016 18:13:51 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2380.	2528.	2480.	2508.	964.7	2450.
Stddev	7.	5.	6.	5.	2.7	7.
%RSD	.3086	.1836	.2218	.1945	.2794	.2985

#1	2373.	2523.	2480.	2506.	962.1	2442.
#2	2388.	2529.	2475.	2505.	967.4	2453.
#3	2380.	2532.	2486.	2514.	964.7	2456.

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	982.2	5015.	10050.	9746.
Stddev	1.3	8.	46.	62.
%RSD	.1321	.1661	.4569	.6356

#1	981.2	5005.	10060.	9771.
#2	981.8	5019.	9997.	9675.
#3	983.7	5020.	10090.	9791.

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	2859.2	35875.	4783.2
Stddev	11.7	24.	36.6
%RSD	.40823	.06792	.76562

#1	2867.8	35847.	4825.4
#2	2863.8	35894.	4762.1
#3	2845.9	35882.	4762.0

Sample Name: CAL1 Acquired: 2/29/2016 16:15:07 Type: Cal
Method: sw02152016(v2) 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	-.0001	.0015	.0016	.0006	.0007
Stddev	.0000	.0001	.0001	.0003	.0003
%RSD	54.67	5.064	9.530	43.09	39.62

#1	-.0001	.0014	.0017	.0008	.0004
#2	-.0000	.0015	.0014	.0006	.0008
#3	-.0001	.0016	.0015	.0003	.0009

Int. Std.	Y_2243
Line	224.306 {450}
Units	Cts/S
Avg	2972.7
Stddev	16.1
%RSD	.54175

#1	2957.5
#2	2971.2
#3	2989.6

Sample Name: 460-109429-A-22-A@4 Acquired: 2/29/2016 18:25:16 Type: Unk
Method: sw02152016(v2) 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	28450.	31.32	3.412	1058.	1.865	49980.
Stddev	6.	2.14	.366	1.	.028	286.
%RSD	.0200	6.818	10.72	.0909	1.524	.5714

#1	28450.	28.86	3.003	1058.	1.855	49690.
#2	28460.	32.62	3.524	1057.	1.898	50260.
#3	28450.	32.49	3.708	1059.	1.844	49980.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.5417	37.87	96.35	674.6	F 247800.	2612.
Stddev	.3415	.26	.17	1.6	1317.	16.
%RSD	63.05	.6799	.1788	.2414	.5317	.6206

#1	.9360	37.99	96.15	676.0	246400.	2628.
#2	.3505	37.57	96.47	672.8	249000.	2611.
#3	.3386	38.05	96.42	675.0	248000.	2596.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8237.	1746.	702.7	72.60	734.1	22.42
Stddev	32.	7.	6.7	.70	2.7	.58
%RSD	.3838	.4236	.9557	.9645	.3687	2.580

#1	8259.	1738.	696.4	73.27	733.3	22.30
#2	8252.	1753.	701.8	71.87	737.1	21.91
#3	8201.	1748.	709.8	72.64	731.8	23.05

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

Sample Name: 460-109429-A-22-A@4 Acquired: 2/29/2016 18:25:16 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.197	-4.803	96.99	946.4	55.23	10.77
Stddev	3.033	1.910	.66	4.8	.60	.11
%RSD	48.94	39.77	.6816	.5122	1.093	1.035
#1	8.229	-3.955	96.48	940.8	54.89	10.82
#2	2.711	-6.990	97.74	949.2	54.86	10.84
#3	7.652	-3.463	96.75	949.1	55.92	10.64

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	61.56	385.2	2033.	1291.
Stddev	1.34	.6	6.	4.
%RSD	2.177	.1553	.2964	.3235
#1	62.63	385.3	2026.	1287.
#2	62.01	384.6	2034.	1295.
#3	60.06	385.8	2037.	1291.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3043.2	38413.	5041.9
Stddev	24.2	464.	37.6
%RSD	.79481	1.2085	.74603
#1	3031.2	38255.	5009.0
#2	3027.4	38048.	5033.6
#3	3071.0	38935.	5082.9

Sample Name: 460-109450-E-1-A@4 Acquired: 2/29/2016 18:32:44 Type: Unk
Method: sw02152016(v2) 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	44550.	26.11	1.513	571.7	2.587	F 252600.
Stddev	104.	1.81	.119	1.5	.124	620.
%RSD	.2332	6.915	7.877	.2537	4.784	.2453
#1	44480.	28.03	1.558	572.1	2.462	251900.
#2	44500.	24.44	1.378	570.1	2.710	253100.
#3	44670.	25.88	1.603	572.9	2.588	252900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2166	27.76	90.05	124.5	69570.	5884.
Stddev	.1667	.02	.78	1.0	217.	10.
%RSD	76.99	.0803	.8620	.8110	.3118	.1752
#1	.3788	27.78	89.34	125.3	69780.	5883.
#2	.2254	27.77	89.93	124.9	69580.	5895.
#3	.0456	27.74	90.88	123.4	69350.	5874.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35520.	1030.	1411.	53.72	962.3	3.087
Stddev	32.	1.	9.	.35	.8	1.971
%RSD	.0912	.1242	.6301	.6539	.0856	63.86
#1	35520.	1029.	1407.	53.89	963.1	5.133
#2	35550.	1031.	1421.	53.96	961.5	2.928
#3	35490.	1031.	1404.	53.32	962.1	1.200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-109450-E-1-A@4 Acquired: 2/29/2016 18:32:44 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6059	-.9031	117.7	531.7	23.00	3.482
Stddev	.6912	.2545	.6	2.5	.30	.143
%RSD	114.1	28.18	.4930	.4781	1.309	4.119
#1	1.398	-.8383	117.9	530.0	22.86	3.549
#2	.2926	-.6873	118.2	534.6	22.79	3.318
#3	.1268	-1.184	117.1	530.4	23.34	3.580

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	32.22	829.4	1465.	2356.
Stddev	.20	2.1	3.	21.
%RSD	.6098	.2505	.1958	.8850
#1	32.05	831.8	1464.	2377.
#2	32.44	828.0	1469.	2356.
#3	32.18	828.3	1463.	2335.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3001.9	37337.	4939.2
Stddev	6.2	33.	27.3
%RSD	.20663	.08863	.55336
#1	3008.8	37372.	4969.3
#2	2996.8	37330.	4932.0
#3	3000.1	37307.	4916.1

Sample Name: CAL2 Acquired: 2/29/2016 16:19:21 Type: Cal
Method: sw02152016(v2) 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	.0069	.0006	.0020	.4679	.0075	.1111
Stddev	.0004	.0001	.0002	.0021	.0004	.0004
%RSD	6.304	21.03	8.988	.4560	5.157	.3411

#1	.0073	.0006	.0021	.4658	.0079	.1108
#2	.0070	.0004	.0018	.4677	.0074	.1110
#3	.0064	.0006	.0021	.4701	.0072	.1115

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0115	.0595	.0016	.0125	.0012	.3014
Stddev	.0002	.0004	.0001	.0001	.0001	.0042
%RSD	2.086	.7153	5.751	.4914	8.831	1.395

#1	.0117	.0592	.0016	.0125	.0011	.3061
#2	.0113	.0592	.0015	.0124	.0013	.3001
#3	.0117	.0599	.0017	.0124	.0012	.2979

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.0862	.0163	1.009	.0304	.0026	.0027
Stddev	.0002	.0001	.005	.0002	.0002	.0004
%RSD	.1893	.4740	.4797	.7489	9.048	14.90

#1	.0862	.0163	1.014	.0303	.0028	.0026
#2	.0864	.0163	1.008	.0303	.0024	.0031
#3	.0861	.0164	1.004	.0307	.0026	.0023

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	.0017	.0021	.0113	.0269	.0223	.0174
Stddev	.0001	.0002	.0001	.0003	.0003	.0001
%RSD	7.959	10.67	.5877	.9664	1.557	.3008

#1	.0018	.0020	.0114	.0268	.0219	.0175
#2	.0018	.0019	.0113	.0272	.0224	.0175
#3	.0016	.0024	.0114	.0268	.0225	.0174

Sample Name: CAL2 Acquired: 2/29/2016 16:19:21 Type: Cal
Method: sw02152016(v2) 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	.0097	.1570	.0179
Stddev	.0001	.0009	.0001
%RSD	.7436	.5439	.4676

#1	.0097	.1579	.0178
#2	.0096	.1565	.0180
#3	.0098	.1564	.0180

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3002.1	37187.	4843.4
Stddev	5.0	221.	48.2
%RSD	.16648	.59505	.99440

#1	3007.4	37408.	4853.5
#2	3001.4	37188.	4791.0
#3	2997.5	36965.	4885.7

Sample Name: CAL3 Acquired: 2/29/2016 16:23:32 Type: Cal
Method: sw02152016(v2) 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	.8442	.0355	.0574	4.536	.7341	.5447
Stddev	.0053	.0002	.0002	.017	.0054	.0018
%RSD	.6252	.6774	.3916	.3727	.7343	.3224

#1	.8441	.0356	.0575	4.554	.7301	.5449
#2	.8495	.0357	.0572	4.532	.7402	.5429
#3	.8390	.0353	.0576	4.521	.7319	.5464

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.7608	.5773	.1434	.9655	.1384	.6068
Stddev	.0039	.0028	.0004	.0023	.0008	.0024
%RSD	.5077	.4862	.2933	.2411	.5419	.3976

#1	.7649	.5804	.1438	.9681	.1385	.6050
#2	.7603	.5765	.1429	.9647	.1376	.6095
#3	.7573	.5750	.1435	.9637	.1391	.6058

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.4166	1.044	4.977	.3715	.3261	.0280
Stddev	.0010	.002	.031	.0029	.0020	.0002
%RSD	.2409	.1885	.6192	.7825	.6057	.6177

#1	.4171	1.045	4.957	.3744	.3283	.0279
#2	.4154	1.042	5.013	.3714	.3255	.0282
#3	.4172	1.045	4.962	.3686	.3245	.0278

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	.0307	.0678	.1108	.4399	.0890	.4302
Stddev	.0004	.0004	.0004	.0018	.0007	.0013
%RSD	1.326	.5523	.3325	.4002	.8107	.3124

#1	.0311	.0682	.1110	.4418	.0898	.4318
#2	.0308	.0674	.1103	.4395	.0886	.4294
#3	.0303	.0679	.1109	.4384	.0886	.4294

Sample Name: CAL3 Acquired: 2/29/2016 16:23:32 Type: Cal
Method: sw02152016(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0368	7.824	1.701	.0638
Stddev	.0001	.053	.005	.0011
%RSD	.2614	.6809	.2991	1.652

#1	.0369	7.836	1.707	.0649
#2	.0368	7.871	1.698	.0637
#3	.0367	7.766	1.697	.0628

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2924.1	36480.	4727.3
Stddev	8.9	82.	47.8
%RSD	.30272	.22344	1.0104

#1	2914.5	36426.	4781.6
#2	2926.0	36573.	4692.0
#3	2931.9	36440.	4708.2

Sample Name: CAL4 Acquired: 2/29/2016 16:27:28 Type: Cal
Method: sw02152016(v2) 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	4.165	.1836	.2968	22.24	3.531	2.721
Stddev	.011	.0005	.0014	.04	.008	.011
%RSD	.2692	.2597	.4788	.1621	.2167	.4098

#1	4.152	.1839	.2952	22.21	3.538	2.709
#2	4.172	.1838	.2973	22.28	3.531	2.730
#3	4.170	.1830	.2979	22.22	3.523	2.725

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	3.679	2.779	.6969	4.972	.6698	3.071
Stddev	.006	.005	.0018	.017	.0044	.012
%RSD	.1586	.1837	.2649	.3489	.6506	.3801

#1	3.674	2.773	.6958	4.952	.6655	3.058
#2	3.686	2.783	.6990	4.982	.6696	3.076
#3	3.677	2.782	.6958	4.983	.6742	3.079

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.113	5.097	25.08	1.781	1.565	.1436
Stddev	.009	.013	.07	.004	.005	.0006
%RSD	.4169	.2445	.2848	.2293	.3263	.4229

#1	2.103	5.082	24.99	1.779	1.563	.1430
#2	2.118	5.106	25.12	1.786	1.571	.1442
#3	2.119	5.102	25.11	1.778	1.561	.1435

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	.1549	.3189	.5484	2.114	.4490	2.123
Stddev	.0008	.0004	.0010	.004	.0013	.006
%RSD	.5477	.1195	.1895	.1878	.2882	.2947

#1	.1543	.3186	.5472	2.110	.4479	2.116
#2	.1559	.3193	.5492	2.118	.4504	2.128
#3	.1546	.3188	.5487	2.114	.4487	2.125

Sample Name: CAL4 Acquired: 2/29/2016 16:27:28 Type: Cal
Method: sw02152016(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1805	38.91	8.340	.3280
Stddev	.0003	.05	.018	.0037
%RSD	.1690	.1363	.2151	1.139

#1	.1801	38.85	8.341	.3288
#2	.1807	38.92	8.357	.3240
#3	.1807	38.95	8.321	.3313

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2773.0	34849.	4765.8
Stddev	6.9	91.	44.0
%RSD	.25036	.26182	.92316

#1	2767.1	34945.	4773.9
#2	2771.3	34838.	4718.3
#3	2780.6	34764.	4805.1

Sample Name: CCV Acquired: 2/29/2016 19:03:01 Type: QC
Method: sw02152016(v2) 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	127000.	2347.	1227.	9633.	1009.	120400.
Stddev	195.	8.	5.	32.	3.	565.
%RSD	.1539	.3567	.3781	.3303	.2544	.4690

#1	126800.	2343.	1225.	9651.	1010.	120500.
#2	126900.	2341.	1232.	9596.	1006.	120900.
#3	127200.	2356.	1224.	9652.	1010.	119800.

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	1209.	2443.	4788.	12190.	99970.	49300.
Stddev	4.	6.	14.	35.	482.	50.
%RSD	.3528	.2345	.2886	.2834	.4825	.1007

#1	1211.	2444.	4798.	12160.	99790.	49320.
#2	1204.	2437.	4795.	12230.	100500.	49240.
#3	1212.	2448.	4773.	12190.	99600.	49330.

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	117900.	4913.	121000.	2396.	7152.	962.9
Stddev	555.	16.	215.	10.	28.	4.6
%RSD	.4709	.3276	.1778	.4360	.3898	.4807

#1	117900.	4920.	121200.	2402.	7174.	958.4
#2	118400.	4924.	120800.	2384.	7121.	962.7
#3	117300.	4895.	121100.	2402.	7160.	967.7

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

Sample Name: CCV Acquired: 2/29/2016 19:03:01 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2338.	2505.	2442.	2463.	945.9	2410.
Stddev	5.	6.	5.	13.	2.4	5.
%RSD	.2186	.2561	.2117	.5195	.2552	.2250
#1	2340.	2505.	2445.	2473.	943.7	2411.
#2	2332.	2498.	2445.	2448.	945.5	2404.
#3	2342.	2511.	2436.	2467.	948.5	2415.

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	958.9	4971.	10090.	9633.
Stddev	3.9	14.	69.	114.
%RSD	.4078	.2885	.6817	1.179
#1	957.1	4976.	10140.	9692.
#2	956.3	4955.	10130.	9502.
#3	963.4	4983.	10010.	9705.

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	2926.6	36541.	4892.5
Stddev	22.0	390.	34.2
%RSD	.75309	1.0684	.69851
#1	2901.2	36343.	4897.7
#2	2937.7	36289.	4856.1
#3	2940.9	36991.	4923.9

Sample Name: CCVL Acquired: 2/29/2016 19:10:37 Type: QC
Method: sw02152016(v2) 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	227.7	14.22	10.22	206.3	2.167	5020.
Stddev	3.7	3.18	.49	.8	.041	32.
%RSD	1.638	22.39	4.810	.4108	1.891	.6299

#1	228.5	13.58	10.63	206.1	2.175	4995.
#2	231.1	11.41	10.35	205.5	2.202	5010.
#3	223.7	17.68	9.672	207.2	2.122	5056.

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	4.219	53.77	10.44	24.48	166.5	4915.
Stddev	.042	.17	.21	.19	5.1	64.
%RSD	.9895	.3161	2.036	.7952	3.084	1.295

#1	4.257	53.79	10.29	24.49	163.2	4886.
#2	4.226	53.59	10.69	24.68	163.9	4871.
#3	4.174	53.93	10.35	24.29	172.4	4988.

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	4882.	15.92	4849.	42.79	10.93	19.65
Stddev	19.	.05	24.	.46	.64	1.51
%RSD	.3847	.3354	.4994	1.075	5.884	7.666

#1	4873.	15.98	4837.	43.19	10.57	21.34
#2	4870.	15.87	4832.	42.29	11.67	18.44
#3	4904.	15.90	4876.	42.90	10.54	19.18

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

Sample Name: CCVL Acquired: 2/29/2016 19:10:37 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22.21	25.01	49.90	32.36	47.88	19.94
Stddev	1.69	1.34	.10	.38	.63	.14
%RSD	7.612	5.374	.1944	1.170	1.314	.6974
#1	22.74	23.96	50.01	32.23	48.50	20.01
#2	20.32	24.54	49.84	32.79	47.90	20.02
#3	23.58	26.52	49.84	32.07	47.24	19.78

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	51.21	20.68	21.40	F 13.04
Stddev	.61	.24	.20	14.72
%RSD	1.183	1.162	.9523	112.9
#1	50.67	20.62	21.18	19.55
#2	51.09	20.48	21.46	23.39
#3	51.86	20.94	21.57	-3.815

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	3106.4	38685.	4934.8
Stddev	19.3	322.	86.2
%RSD	.61985	.83296	1.7459
#1	3118.6	39027.	4993.1
#2	3116.4	38643.	4975.4
#3	3084.2	38386.	4835.8

Sample Name: 460-109355-A-1-B@5 Acquired: 2/29/2016 19:22:08 Type: Unk
Method: sw02152016(v2) 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	306.4	-1.230	.6586	116.7	.0296	8822.
Stddev	14.9	.622	.1174	.3	.0526	33.
%RSD	4.849	50.59	17.82	.2366	177.7	.3783

#1	323.6	-.5566	.6912	116.6	.0527	8788.
#2	298.5	-1.350	.7561	116.5	.0667	8855.
#3	297.3	-1.784	.5283	117.0	-.0306	8822.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.4576	2.244	2.700	20.35	328.5	606.2
Stddev	.0825	.121	.191	.24	13.5	8.2
%RSD	18.03	5.368	7.064	1.171	4.102	1.359

#1	.5248	2.381	2.773	20.26	314.7	613.0
#2	.4823	2.156	2.484	20.16	341.7	597.1
#3	.3655	2.195	2.844	20.61	329.0	608.6

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	1408.	308.9	F 287700.	4.167	209.5	3.639
Stddev	8.	.2	326.	.379	.9	.993
%RSD	.5775	.0687	.1133	9.086	.4326	27.30

#1	1408.	309.0	288000.	4.204	208.5	3.428
#2	1416.	309.0	287800.	4.526	210.2	2.768
#3	1400.	308.7	287400.	3.772	209.8	4.721

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

Sample Name: 460-109355-A-1-B@5 Acquired: 2/29/2016 19:22:08 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.830	-1.158	.0440	121.8	29.34	-.1413
Stddev	3.071	.787	.4193	.5	.48	.1312
%RSD	63.57	67.99	952.1	.4022	1.627	92.84
#1	5.807	-.3343	.0331	121.3	28.83	-.0561
#2	7.294	-1.237	.4687	121.8	29.39	-.0754
#3	1.390	-1.903	-.3697	122.3	29.78	-.2923

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	.1127	36.13	11.93	1106.
Stddev	.4487	.12	.50	16.
%RSD	398.0	.3418	4.231	1.426
#1	.2886	36.13	12.46	1121.
#2	.4468	36.00	11.46	1090.
#3	-.3972	36.25	11.86	1107.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2948.2	36416.	4740.6
Stddev	9.9	260.	51.8
%RSD	.33502	.71478	1.0931
#1	2943.0	36516.	4742.3
#2	2959.6	36121.	4688.0
#3	2942.0	36612.	4791.6

Sample Name: 460-109355-A-1-D MS Acquired: 2/29/2016 19:30:04 Type: Unk
Method: sw02152016(v2) 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	1277.	922.9	98.00	2049.	207.1	12320.
Stddev	8.	3.5	.13	6.	.6	46.
%RSD	.6371	.3781	.1362	.2816	.2931	.3763

#1	1273.	924.1	97.98	2048.	206.8	12330.
#2	1287.	925.6	98.14	2055.	206.6	12260.
#3	1272.	919.0	97.87	2044.	207.8	12360.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	205.4	211.0	967.1	216.1	515.1	4525.
Stddev	.8	.9	2.9	1.0	11.4	21.
%RSD	.3651	.4483	.3030	.4720	2.214	.4553

#1	204.7	210.3	969.4	216.0	523.2	4504.
#2	206.2	212.0	963.8	217.1	520.0	4545.
#3	205.3	210.6	968.1	215.0	502.1	4527.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4959.	504.4	F 284200.	208.2	1160.	199.1
Stddev	4.	1.0	3414.	.9	5.	.7
%RSD	.0832	.1977	1.201	.4518	.4156	.3553

#1	4955.	504.5	288100.	207.2	1158.	199.2
#2	4959.	503.3	281500.	208.2	1166.	198.3
#3	4963.	505.3	283200.	209.1	1157.	199.7

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

Sample Name: 460-109355-A-1-D MS Acquired: 2/29/2016 19:30:04 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	197.9	207.4	102.2	332.8	220.1	200.9
Stddev	3.6	1.2	.7	1.4	1.2	.6
%RSD	1.832	.5877	.6761	.4092	.5461	.2864
#1	195.8	206.0	101.7	331.3	219.3	200.3
#2	202.1	208.1	103.0	333.8	221.4	201.4
#3	195.8	208.1	101.8	333.4	219.5	201.0

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	193.3	234.3	221.2	1016.
Stddev	.8	.6	1.0	22.
%RSD	.4030	.2634	.4314	2.178
#1	192.8	234.2	220.2	999.4
#2	194.2	233.8	221.2	1041.
#3	192.8	235.0	222.1	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	2984.0	36839.	4828.6
Stddev	6.8	273.	110.5
%RSD	.22899	.74111	2.2876
#1	2981.9	36767.	4784.2
#2	2978.5	37141.	4954.3
#3	2991.7	36610.	4747.2

Sample Name: 460-109386-A-2-B@5 Acquired: 2/29/2016 19:37:39 Type: Unk
Method: sw02152016(v2) 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	143.4	1.045	-.0324	43.85	.1029	3160.
Stddev	6.4	.918	.3960	.17	.1748	9.
%RSD	4.477	87.82	1221.	.3788	169.8	.3006

#1	146.9	1.242	.0430	43.72	.0407	3159.
#2	135.9	.0448	.3204	44.04	.3003	3151.
#3	147.3	1.848	-.4607	43.79	-.0322	3170.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.1531	.9048	.0939	3.326	22.56	484.9
Stddev	.1512	.2506	.1137	.097	3.48	48.0
%RSD	98.76	27.70	121.0	2.917	15.44	9.908

#1	.1101	.6261	.1065	3.240	19.46	496.5
#2	.3211	1.112	.2008	3.306	26.33	526.1
#3	.0280	.9765	-.0255	3.431	21.89	432.2

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	526.5	39.39	F 281900.	1.246	3.015	1.417
Stddev	2.8	.10	2897.	.183	.560	1.198
%RSD	.5412	.2441	1.028	14.71	18.56	84.58

#1	525.5	39.48	279600.	1.187	2.387	2.274
#2	524.3	39.29	281000.	1.451	3.200	1.930
#3	529.7	39.41	285100.	1.099	3.459	.0475

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

Sample Name: 460-109386-A-2-B@5 Acquired: 2/29/2016 19:37:39 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.885	-.4039	.0121	26.38	32.42	.0728
Stddev	3.407	.8961	.2620	.32	.66	.3004
%RSD	118.1	221.9	2171.	1.208	2.021	412.6
#1	6.788	.6204	-.2588	26.50	33.17	.2675
#2	.5042	-.7888	.0306	26.62	32.18	.2242
#3	1.363	-1.043	.2643	26.02	31.93	-.2732

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	-.3005	12.17	.8760	378.9
Stddev	.7378	.57	.0956	6.7
%RSD	245.6	4.686	10.92	1.757
#1	.3641	11.75	.8990	378.3
#2	-.1711	12.82	.9580	372.5
#3	-1.094	11.95	.7709	385.8

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	2972.6	36651.	4774.9
Stddev	4.6	120.	43.4
%RSD	.15336	.32872	.90890
#1	2967.4	36544.	4724.9
#2	2975.5	36781.	4796.5
#3	2975.1	36628.	4803.3

Sample Name: 460-109419-A-20-B@5 Acquired: 2/29/2016 19:45:44 Type: Unk
Method: sw02152016(v2) 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	233.4	-.3882	.1618	88.92	-.0500	6166.
Stddev	19.3	.5074	.2101	.52	.1025	70.
%RSD	8.265	130.7	129.9	.5811	205.0	1.130
#1	212.0	-.5742	-.0745	89.06	-.0465	6101.
#2	249.4	.1859	.3275	89.36	.0507	6158.
#3	238.7	-.7764	.2325	88.35	-.1541	6240.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.1029	.1619	.2096	3.953	159.2	405.9
Stddev	.0342	.1114	.0247	.225	9.7	9.3
%RSD	33.27	68.85	11.81	5.679	6.093	2.294
#1	.1375	.0459	.1834	4.077	148.6	398.5
#2	.1021	.1714	.2127	4.088	161.5	416.3
#3	.0691	.2682	.2326	3.694	167.6	402.8

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1507.	369.7	F 287000.	1.874	29.01	1.749
Stddev	14.	1.2	819.	.473	2.32	.043
%RSD	.9081	.3322	.2853	25.26	7.985	2.450
#1	1494.	368.5	287300.	1.666	29.66	1.730
#2	1506.	369.6	287500.	2.416	30.93	1.798
#3	1521.	371.0	286000.	1.540	26.44	1.719

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

Sample Name: 460-109419-A-20-B@5 Acquired: 2/29/2016 19:45:44 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.0048	-0.0392	.1251	24.33	73.04	.0191
Stddev	2.306	.6376	.3337	.23	.35	.1702
%RSD	47570.	1625.	266.8	.9435	.4856	890.9
#1	2.489	.6477	-.1645	24.08	72.63	-.1280
#2	-2.062	-.6121	.4899	24.54	73.27	-.0202
#3	-.4408	-.1532	.0498	24.36	73.22	.2055

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	.1085	34.35	5.736	894.0
Stddev	.5182	.14	.709	14.6
%RSD	477.4	.4186	12.36	1.634
#1	.1445	34.19	5.636	896.4
#2	-.4267	34.45	6.490	878.3
#3	.6078	34.43	5.082	907.2

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	2966.8	36985.	4876.5
Stddev	25.1	714.	104.3
%RSD	.84751	1.9296	2.1394
#1	2990.7	37555.	4974.8
#2	2968.9	37216.	4887.7
#3	2940.6	36185.	4767.0

Sample Name: CAL5 Acquired: 2/29/2016 16:31:25 Type: Cal
Method: sw02152016(v2) 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	8.421	.3734	.6094	43.48	6.956	5.390
Stddev	.017	.0018	.0018	.11	.026	.033
%RSD	.2057	.4721	.2896	.2590	.3782	.6103

#1	8.438	.3751	.6087	43.58	6.986	5.407
#2	8.404	.3736	.6114	43.49	6.939	5.410
#3	8.421	.3716	.6081	43.36	6.942	5.352

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	7.228	5.460	1.362	10.04	1.322	6.241
Stddev	.023	.010	.009	.06	.007	.011
%RSD	.3217	.1886	.6632	.6079	.5376	.1829

#1	7.249	5.467	1.370	10.07	1.322	6.252
#2	7.232	5.463	1.363	10.08	1.329	6.229
#3	7.203	5.448	1.352	9.974	1.315	6.242

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.222	9.900	50.03	3.457	3.040	.2941
Stddev	.030	.050	.27	.014	.013	.0008
%RSD	.7023	.5091	.5347	.3900	.4128	.2763

#1	4.235	9.927	50.33	3.469	3.051	.2947
#2	4.243	9.930	49.92	3.460	3.043	.2944
#3	4.188	9.841	49.82	3.443	3.026	.2932

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	.3136	.6151	1.083	4.149	.8966	4.214
Stddev	.0021	.0010	.004	.013	.0025	.007
%RSD	.6810	.1706	.3565	.3038	.2799	.1673

#1	.3140	.6161	1.085	4.164	.8979	4.217
#2	.3155	.6151	1.084	4.144	.8983	4.218
#3	.3113	.6140	1.078	4.140	.8937	4.205

Sample Name: CAL5 Acquired: 2/29/2016 16:31:25 Type: Cal
Method: sw02152016(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3541	77.37	16.40	.6776
Stddev	.0012	.22	.12	.0052
%RSD	.3397	.2898	.7522	.7696

#1	.3552	77.63	16.52	.6791
#2	.3543	77.21	16.41	.6718
#3	.3528	77.28	16.27	.6820

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2666.8	33951.	4761.1
Stddev	10.9	303.	33.4
%RSD	.40962	.89100	.70250

#1	2654.5	33737.	4728.3
#2	2675.5	33820.	4760.0
#3	2670.3	34297.	4795.2

Sample Name: CCB Acquired: 2/29/2016 19:57:31 Type: QC
Method: sw02152016(v2) 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	12.96	.6372	.4285	.2431	-.0654	46.84
Stddev	10.18	2.552	.3287	.0634	.0829	10.26
%RSD	78.53	400.5	76.72	26.06	126.7	21.91

#1	15.31	-2.061	.3605	.2424	.0246	42.80
#2	21.76	3.012	.1391	.1801	-.1385	39.21
#3	1.815	.9601	.7859	.3068	-.0824	58.51

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.1339	.1713	.4965	1.263	4.946	22.30
Stddev	.0324	.2077	.2572	1.250	13.38	40.93
%RSD	24.19	121.3	51.81	99.01	270.4	183.6

#1	.1324	.3152	.6941	.5684	4.239	42.97
#2	.1670	.2655	.2056	.5139	-8.061	48.76
#3	.1023	-.0669	.5898	2.707	18.66	-24.84

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.36	.6445	39.55	.1163	.2020	1.557
Stddev	12.56	.5899	16.13	.0773	.8441	1.102
%RSD	94.03	91.53	40.78	66.49	417.8	70.75

#1	9.122	.4113	56.44	.2017	.6955	1.525
#2	3.462	.2068	37.89	.0511	-.7726	.4721
#3	27.49	1.315	24.31	.0961	.6832	2.675

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

Sample Name: CCB Acquired: 2/29/2016 19:57:31 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.447	.9017	-.1078	.0100	.7606	.7477
Stddev	3.310	.7587	.1625	.0654	.1036	.3931
%RSD	74.43	84.14	150.8	651.1	13.62	52.58
#1	8.233	.4865	-.2582	-.0636	.8629	1.150
#2	2.104	1.777	-.1296	.0613	.7633	.7294
#3	3.003	.4412	.0646	.0324	.6558	.3640

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	-.2181	.2183	1.293	1.782
Stddev	.3713	.0954	.972	12.21
%RSD	170.3	43.72	75.12	685.2
#1	-.2704	.3278	1.183	8.003
#2	-.5604	.1528	.3820	9.633
#3	.1766	.1743	2.316	-12.29

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	3128.7	38800.	4881.4
Stddev	17.2	72.	27.2
%RSD	.55084	.18617	.55736
#1	3148.6	38833.	4908.0
#2	3119.3	38717.	4882.6
#3	3118.3	38850.	4853.6

Sample Name: CCVL Acquired: 2/29/2016 20:01:32 Type: QC
Method: sw02152016(v2) 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	226.3	14.93	9.936	201.1	2.048	4940.
Stddev	2.8	1.08	.256	.3	.056	14.
%RSD	1.243	7.202	2.574	.1670	2.727	.2887

#1	229.6	16.10	10.03	201.1	2.089	4939.
#2	224.6	14.69	9.647	200.8	2.072	4926.
#3	224.8	13.99	10.13	201.5	1.985	4955.

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	4.135	52.37	10.17	23.91	161.1	4830.
Stddev	.160	.07	.27	.15	6.7	28.
%RSD	3.859	.1420	2.633	.6355	4.179	.5876

#1	4.305	52.31	9.866	24.07	166.7	4861.
#2	3.988	52.35	10.35	23.87	153.6	4804.
#3	4.111	52.46	10.30	23.78	162.9	4826.

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	4760.	15.64	4801.	41.38	11.85	20.16
Stddev	32.	.07	7.	.36	1.51	1.55
%RSD	.6741	.4566	.1374	.8806	12.78	7.668

#1	4758.	15.59	4804.	41.80	13.45	19.05
#2	4729.	15.61	4793.	41.19	10.43	19.50
#3	4793.	15.72	4805.	41.14	11.68	21.92

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

Sample Name: CCVL Acquired: 2/29/2016 20:01:32 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.47	23.15	49.55	31.60	47.04	19.35
Stddev	3.16	.84	.60	.26	.49	.19
%RSD	16.21	3.613	1.212	.8096	1.032	.9836
#1	21.45	22.19	50.13	31.79	47.06	19.50
#2	21.12	23.49	48.93	31.31	46.54	19.42
#3	15.83	23.75	49.57	31.70	47.51	19.13

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	49.84	20.16	20.93	F 4.850
Stddev	.05	.21	.14	6.212
%RSD	.1026	1.018	.6916	128.1
#1	49.90	20.40	21.08	4.678
#2	49.80	20.02	20.93	-1.274
#3	49.82	20.06	20.79	11.15

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	3063.6	37817.	4679.4
Stddev	18.9	264.	28.9
%RSD	.61579	.69938	.61724
#1	3084.2	38123.	4712.8
#2	3047.2	37662.	4661.7
#3	3059.4	37668.	4663.8

Sample Name: icv 4140568 Acquired: 2/29/2016 16:35:23 Type: QC
Method: sw02152016(v2) 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.	2406.	1221.	9884.	987.2	122200.
Stddev	184.	5.	4.	9.	2.2	387.
%RSD	.1489	.1920	.3045	.0961	.2239	.3163

#1	123700.	2402.	1219.	9893.	989.4	122500.
#2	123300.	2411.	1219.	9874.	987.4	121700.
#3	123600.	2406.	1225.	9886.	985.0	122300.

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	1229.	2471.	4898.	12280.	99170.	49030.
Stddev	1.	3.	4.	35.	109.	51.
%RSD	.0753	.1369	.0796	.2874	.1096	.1050

#1	1230.	2470.	4894.	12270.	99230.	49040.
#2	1228.	2469.	4901.	12250.	99040.	48980.
#3	1230.	2475.	4898.	12320.	99230.	49080.

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	121400.	4962.	122600.	2466.	7403.	971.3
Stddev	378.	6.	211.	2.	12.	3.3
%RSD	.3110	.1277	.1724	.0739	.1573	.3374

#1	121500.	4965.	122400.	2465.	7413.	969.3
#2	121000.	4955.	122700.	2465.	7390.	969.4
#3	121700.	4967.	122800.	2468.	7405.	975.1

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

Sample Name: icv 4140568 Acquired: 2/29/2016 16:35:23 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2402.	2503.	2460.	2462.	979.3	2462.
Stddev	9.	5.	1.	5.	.9	2.
%RSD	.3708	.2133	.0606	.1888	.0904	.0817

#1	2402.	2498.	2461.	2464.	978.4	2462.
#2	2393.	2502.	2458.	2456.	979.4	2460.
#3	2411.	2509.	2461.	2465.	980.1	2464.

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	982.9	4936.	9940.	9731.
Stddev	.8	10.	62.	72.
%RSD	.0775	.2099	.6192	.7429

#1	983.4	4926.	9986.	9664.
#2	982.0	4935.	9963.	9721.
#3	983.4	4946.	9870.	9808.

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	2812.3	35487.	4853.5
Stddev	13.9	245.	55.3
%RSD	.49339	.69116	1.1401

#1	2796.5	35206.	4793.4
#2	2822.5	35653.	4864.9
#3	2818.0	35603.	4902.3

Sample Name: 460-109419-A-49-E@5 Acquired: 2/29/2016 20:09:25 Type: Unk
Method: sw02152016(v2) 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	79.66	-1.469	-.0074	29.02	.1470	3453.
Stddev	10.65	.270	.1741	.03	.0714	3.
%RSD	13.37	18.39	2339.	.1018	48.58	.0913
#1	90.79	-1.665	.1401	29.01	.1968	3456.
#2	69.57	-1.161	-.1995	29.06	.0652	3453.
#3	78.62	-1.582	.0371	29.01	.1791	3450.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.1017	1.751	.7293	4.202	23.33	415.2
Stddev	.1791	.144	.2729	.293	3.08	26.5
%RSD	176.1	8.230	37.41	6.969	13.19	6.383
#1	.0744	1.903	.9217	4.332	19.82	384.6
#2	.2928	1.617	.8491	4.408	25.54	429.9
#3	-.0622	1.732	.4170	3.867	24.63	431.1

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	1506.	39.64	F 283200.	1.544	2.468	1.458
Stddev	6.	.15	4192.	.119	1.652	.288
%RSD	.4223	.3696	1.480	7.719	66.95	19.75
#1	1506.	39.81	287100.	1.673	.5615	1.789
#2	1512.	39.56	283700.	1.522	3.488	1.266
#3	1500.	39.54	278800.	1.437	3.355	1.319

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

Sample Name: 460-109419-A-49-E@5 Acquired: 2/29/2016 20:09:25 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.365	-.5571	-.1451	6.547	30.06	.0321
Stddev	2.160	.3310	.2189	.174	.12	.1075
%RSD	158.3	59.41	150.8	2.662	.4132	335.1
#1	-.1189	-.8761	.0620	6.717	30.19	-.0140
#2	.3698	-.2154	-.3741	6.369	30.05	.1549
#3	3.843	-.5797	-.1232	6.554	29.94	-.0447

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	-.0140	17.25	.6017	171.1
Stddev	.2869	.02	.2279	31.4
%RSD	2045.	.1383	37.87	18.32
#1	-.1575	17.23	.7674	186.3
#2	-.2009	17.24	.3418	191.9
#3	.3163	17.28	.6958	135.0

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	2996.1	37106.	4907.2
Stddev	4.8	90.	59.0
%RSD	.16149	.24375	1.2028
#1	3001.6	37041.	4885.4
#2	2994.1	37067.	4862.1
#3	2992.6	37209.	4974.0

Sample Name: 460-109444-A-1-C@5 Acquired: 2/29/2016 20:21:31 Type: Unk
Method: sw02152016(v2) 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	173.6	-1.258	-.2215	144.0	.0452	42260.
Stddev	7.6	2.172	.6721	.2	.0066	126.
%RSD	4.362	172.6	303.5	.1549	14.57	.2989

#1	175.1	1.167	.5418	143.7	.0389	42150.
#2	180.3	-3.024	-.7245	144.0	.0520	42240.
#3	165.4	-1.918	-.4817	144.1	.0448	42400.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.8197	9.602	.9740	5.342	44.30	2086.
Stddev	.0268	.091	.6584	.142	7.40	40.
%RSD	3.272	.9529	67.59	2.653	16.70	1.917

#1	.7895	9.507	.3655	5.294	51.00	2041.
#2	.8410	9.611	1.673	5.231	45.55	2099.
#3	.8284	9.690	.8837	5.502	36.36	2118.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7402.	789.9	F 286800.	101.3	21.95	2.629
Stddev	24.	2.1	2778.	.5	.67	.698
%RSD	.3292	.2719	.9687	.4761	3.041	26.56

#1	7376.	788.0	287000.	100.7	22.37	3.106
#2	7424.	789.5	283900.	101.6	22.30	2.952
#3	7407.	792.2	289400.	101.6	21.18	1.827

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

Sample Name: 460-109444-A-1-C@5 Acquired: 2/29/2016 20:21:31 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.557	-.4124	.4844	356.9	32.37	.0463
Stddev	2.820	2.044	.3067	2.2	.79	.1022
%RSD	110.3	495.7	63.32	.6262	2.434	220.5
#1	2.352	1.058	.6045	354.5	31.71	.1603
#2	-.1548	.4514	.1358	357.4	32.16	.0162
#3	5.474	-2.747	.7128	358.9	33.24	-.0374

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	-.1221	146.6	3.007	3835.
Stddev	.9896	.7	.294	16.
%RSD	810.8	.4798	9.780	.4221
#1	-.6565	146.0	2.731	3829.
#2	1.020	146.3	2.973	3853.
#3	-.7296	147.4	3.316	3822.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2974.1	36776.	4897.9
Stddev	5.0	171.	37.0
%RSD	.16944	.46463	.75442
#1	2979.3	36802.	4919.1
#2	2969.3	36932.	4919.3
#3	2973.6	36593.	4855.2

Sample Name: icb Acquired: 2/29/2016 16:38:58 Type: QC
Method: sw02152016(v2) 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	15.24	.1798	.1950	1.079	.0045	19.10
Stddev	13.40	1.079	.4058	1.002	.0148	10.25
%RSD	87.89	600.2	208.0	92.91	327.9	53.69
#1	4.462	-.6209	.5759	.5969	.0158	9.439
#2	30.24	1.407	-.2318	.4083	-.0122	18.00
#3	11.03	-.2468	.2411	2.231	.0099	29.86

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.1457	.2566	-.0153	.4687	7.626	32.00
Stddev	.1835	.1822	.6365	1.110	11.18	2.36
%RSD	125.9	71.01	4164.	236.7	146.6	7.385
#1	-.0510	.0702	-.5875	-.2629	15.65	34.05
#2	.1760	.2652	-.1287	-.0762	-5.148	29.41
#3	.3122	.4343	.6703	1.745	12.38	32.54

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.17	.4464	2.477	.2241	1.039	2.179
Stddev	6.67	.3866	15.94	.1980	1.175	.746
%RSD	59.68	86.60	643.5	88.35	113.0	34.23
#1	5.593	.2441	19.38	.0585	.6429	2.593
#2	9.370	.2030	.3316	.4435	.1141	1.318
#3	18.56	.8922	-12.28	.1704	2.361	2.625

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

Sample Name: icb Acquired: 2/29/2016 16:38:58 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.406	.8421	.1935	.1710	2.253	1.871
Stddev	2.094	.6904	.5527	.4274	.327	.546
%RSD	87.02	81.98	285.6	250.0	14.52	29.21
#1	2.887	.0576	-.0495	-.0090	2.263	2.502
#2	.1140	1.112	-.1961	-.1371	2.575	1.541
#3	4.218	1.357	.8261	.6589	1.921	1.571

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	.3421	.2080	1.077	-1.864
Stddev	.4512	.1407	.567	19.19
%RSD	131.9	67.63	52.60	1030.
#1	.0469	.3689	.9330	17.02
#2	.1180	.1475	.5963	-21.34
#3	.8614	.1078	1.702	-1.265

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	3014.2	37919.	4944.6
Stddev	9.0	163.	20.2
%RSD	.29734	.42880	.40908
#1	3006.3	37818.	4966.6
#2	3012.3	38107.	4926.8
#3	3023.9	37832.	4940.4

Sample Name: 460-109473-A-20-B@5 Acquired: 2/29/2016 20:37:40 Type: Unk
Method: sw02152016(v2) 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	76.65	.3055	.2990	120.6	.2677	7176.
Stddev	11.89	1.295	.4112	.8	.0337	24.
%RSD	15.51	423.7	137.5	.6963	12.57	.3300
#1	80.88	1.653	.7466	120.8	.2751	7167.
#2	63.22	.1923	.2124	121.2	.2970	7202.
#3	85.85	-.9287	-.0620	119.6	.2309	7157.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.1429	6.675	.9120	5.847	-.2514	600.9
Stddev	.0210	.310	.4188	.382	6.832	73.4
%RSD	14.69	4.641	45.91	6.532	2717.	12.21
#1	.1226	6.998	.5145	5.446	-4.207	539.0
#2	.1414	6.645	1.349	5.890	7.638	581.8
#3	.1645	6.381	.8725	6.206	-4.185	681.9

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1035.	353.9	F 263700.	4.317	2.418	.7908
Stddev	4.	.4	686.	.465	.579	.8478
%RSD	.3894	.1257	.2602	10.77	23.92	107.2
#1	1032.	353.5	264500.	4.052	2.425	.2679
#2	1034.	354.3	263100.	4.854	2.993	1.769
#3	1039.	353.8	263600.	4.046	1.836	.3357

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

Sample Name: 460-109473-A-20-B@5 Acquired: 2/29/2016 20:37:40 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.253	-.5866	-.1532	41.27	22.65	-.1590
Stddev	1.654	.3965	.3999	.14	.28	.2467
%RSD	73.40	67.60	261.0	.3475	1.236	155.1
#1	1.622	-.9567	-.5701	41.27	22.35	-.4402
#2	1.008	-.1680	-.1168	41.42	22.90	.0211
#3	4.130	-.6351	.2272	41.13	22.69	-.0580

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	-.1971	44.18	.6007	237.0
Stddev	.8342	.20	.1777	6.4
%RSD	423.3	.4606	29.58	2.717
#1	.6850	43.95	.4135	241.1
#2	-.3030	44.35	.6217	229.6
#3	-.9733	44.22	.7670	240.4

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	2982.1	36738.	4757.9
Stddev	13.7	79.	3.8
%RSD	.45946	.21419	.08068
#1	2983.1	36667.	4761.2
#2	2967.9	36822.	4758.9
#3	2995.3	36726.	4753.7

Sample Name: CCV Acquired: 2/29/2016 20:45:41 Type: QC
Method: sw02152016(v2) 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	127600.	2308.	1213.	9529.	1019.	119800.
Stddev	415.	3.	4.	27.	1.	645.
%RSD	.3248	.1402	.2984	.2787	.1236	.5383

#1	127300.	2306.	1212.	9516.	1018.	119600.
#2	127500.	2312.	1211.	9512.	1018.	119400.
#3	128100.	2307.	1218.	9560.	1021.	120600.

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	1205.	2430.	4747.	11930.	100200.	48990.
Stddev	3.	5.	15.	12.	521.	189.
%RSD	.2771	.2244	.3245	.0982	.5199	.3863

#1	1203.	2426.	4741.	11940.	99850.	48950.
#2	1203.	2429.	4736.	11940.	99910.	48820.
#3	1208.	2437.	4765.	11920.	100800.	49190.

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	116200.	4896.	118400.	2378.	7045.	948.3
Stddev	345.	19.	214.	5.	20.	3.3
%RSD	.2968	.3809	.1805	.2086	.2816	.3489

#1	116200.	4885.	118400.	2376.	7031.	944.8
#2	115900.	4884.	118200.	2375.	7038.	951.3
#3	116600.	4917.	118600.	2384.	7068.	948.9

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

Sample Name: CCV Acquired: 2/29/2016 20:45:41 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2300.	2504.	2428.	2505.	922.4	2383.
Stddev	7.	9.	7.	15.	.8	7.
%RSD	.2889	.3787	.3049	.5954	.0836	.3004
#1	2308.	2494.	2422.	2495.	921.5	2377.
#2	2298.	2505.	2426.	2499.	922.8	2382.
#3	2296.	2513.	2436.	2522.	922.9	2391.

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	956.0	4959.	10070.	9474.
Stddev	1.2	4.	108.	18.
%RSD	.1211	.0793	1.076	.1920
#1	954.9	4956.	10020.	9477.
#2	955.9	4958.	9993.	9455.
#3	957.2	4964.	10190.	9491.

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	2919.2	36483.	4755.1
Stddev	16.3	346.	20.0
%RSD	.55730	.94727	.42107
#1	2924.1	36632.	4753.9
#2	2932.5	36728.	4775.7
#3	2901.1	36088.	4735.7

Sample Name: icvl 4079378 Acquired: 2/29/2016 16:42:51 Type: QC
Method: sw02152016(v2) 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	222.8	15.26	9.690	210.4	2.033	5034.
Stddev	4.3	1.11	.660	.4	.050	44.
%RSD	1.933	7.299	6.808	.1770	2.445	.8754
#1	224.3	14.14	9.287	210.5	1.988	5027.
#2	218.0	15.26	10.45	210.7	2.086	5081.
#3	226.2	16.37	9.331	210.0	2.025	4994.

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	4.174	54.06	10.36	24.44	151.7	4873.
Stddev	.083	.11	.18	.12	7.7	32.
%RSD	1.981	.2025	1.744	.5038	5.046	.6625
#1	4.202	53.96	10.25	24.57	152.9	4836.
#2	4.239	54.17	10.27	24.32	158.7	4883.
#3	4.081	54.04	10.57	24.44	143.5	4899.

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	5029.	15.94	4941.	43.22	11.62	20.73
Stddev	26.	.18	22.	.36	.59	1.44
%RSD	.5100	1.124	.4470	.8222	5.087	6.948
#1	5018.	16.00	4926.	43.55	12.10	21.89
#2	5058.	16.08	4967.	42.84	11.81	21.19
#3	5010.	15.74	4932.	43.28	10.96	19.12

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

Sample Name: icvl 4079378 Acquired: 2/29/2016 16:42:51 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.17	24.14	50.27	31.47	50.97	20.62
Stddev	1.44	.81	.34	.34	.54	.22
%RSD	7.511	3.336	.6860	1.095	1.068	1.075
#1	19.45	23.23	50.30	31.16	51.59	20.85
#2	20.46	24.46	50.60	31.84	50.62	20.60
#3	17.62	24.74	49.91	31.41	50.68	20.41

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	51.58	20.46	20.65	F 4.646
Stddev	.30	.12	.12	6.382
%RSD	.5878	.5954	.6039	137.4
#1	51.25	20.33	20.80	-2.238
#2	51.63	20.47	20.58	10.37
#3	51.85	20.58	20.58	5.810

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	3049.1	38502.	5048.7
Stddev	4.9	295.	58.7
%RSD	.16102	.76730	1.1630
#1	3054.8	38564.	5052.1
#2	3046.8	38181.	4988.4
#3	3045.8	38762.	5105.7

Sample Name: icsa 4079387 Acquired: 2/29/2016 16:46:40 Type: QC
Method: sw02152016(v2) 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 492400.	F .5405	F .9786	F -4.922	F -.0452	F 496400.
Stddev	1415.	3.357	.0504	.167	.0355	3608.
%RSD	.2874	621.1	5.151	3.395	78.56	.7268

#1	492600.	-2.490	.9729	-4.738	-.0042	493800.
#2	493700.	4.149	1.032	-5.064	-.0646	500500.
#3	490900.	-.0369	.9312	-4.963	-.0667	495000.

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 .0470	F -3.085	F -1.700	F -3.013	F 192000.	F -54.52
Stddev	.1018	.151	.568	.297	209.	31.65
%RSD	216.4	4.903	33.43	9.867	.1087	58.05

#1	.1635	-3.170	-1.113	-3.182	192000.	-88.13
#2	.0022	-3.176	-1.739	-2.670	192200.	-25.28
#3	-.0246	-2.911	-2.247	-3.186	191800.	-50.17

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 496300.	F -4.276	F -54.18	F -.6637	F -2.946	F .9155
Stddev	3785.	.075	6.38	.0913	2.069	3.433
%RSD	.7626	1.762	11.77	13.76	70.24	375.0

#1	494300.	-4.327	-60.58	-.7590	-4.476	3.752
#2	500600.	-4.313	-47.83	-.5770	-3.769	1.896
#3	493900.	-4.190	-54.13	-.6551	-.5918	-2.901

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: icsa 4079387 Acquired: 2/29/2016 16:46:40 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 6.256	F -2.487	F 2.522	F -3.131	F -8.812	F -.0978
Stddev	2.186	2.636	.314	.569	.121	.1722
%RSD	34.95	106.0	12.46	18.17	1.369	176.0

#1	4.096	-3.333	2.224	-2.615	-8.802	.1009
#2	8.467	-4.597	2.850	-3.038	-8.697	-.2031
#3	6.206	.4679	2.493	-3.741	-8.937	-.1912

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 .9541	F -1.599	F -1.168	F 19.66
Stddev	.6752	.074	.143	4.62
%RSD	70.77	4.621	12.22	23.52

#1	1.309	-1.666	-1.004	14.46
#2	1.377	-1.611	-1.231	21.18
#3	.1754	-1.519	-1.267	23.33

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	2731.5	33471.	4774.5
Stddev	7.3	183.	31.7
%RSD	.26629	.54604	.66423

#1	2733.0	33607.	4809.9
#2	2723.5	33263.	4748.8
#3	2737.9	33543.	4764.7

Sample Name: icsab 4140570 Acquired: 2/29/2016 16:50:43 Type: QC
Method: sw02152016(v2) 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 544800.	F 107.1	F 112.5	F 102.3	F 106.8	F 541100.
Stddev	1201.	2.0	.6	.4	.2	4157.
%RSD	.2204	1.849	.5181	.4175	.1510	.7682

#1	543500.	105.7	112.3	102.8	106.9	539200.
#2	545800.	109.4	113.1	102.3	106.6	538200.
#3	545100.	106.3	112.0	102.0	106.8	545900.

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 103.3	F 99.79	F 106.3	F 111.1	F 210700.	F 10970.
Stddev	.3	.25	.8	.4	284.	36.
%RSD	.3258	.2540	.7919	.3760	.1347	.3287

#1	103.5	99.69	105.6	110.7	210500.	10930.
#2	103.5	100.1	106.1	111.6	210700.	11010.
#3	103.0	99.60	107.3	111.1	211000.	10970.

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 546200.	F 104.3	F 11190.	F 101.6	F 100.4	F 107.7
Stddev	2128.	.1	23.	.4	1.7	1.9
%RSD	.3897	.1312	.2093	.3745	1.713	1.744

#1	543800.	104.2	11160.	101.9	100.7	108.7
#2	547700.	104.4	11210.	101.8	98.58	108.9
#3	547100.	104.4	11200.	101.2	102.0	105.5

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: icsab 4140570 Acquired: 2/29/2016 16:50:43 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 111.3	F 99.08	F 110.6	F 99.38	F 94.53	F 103.6
Stddev	4.4	2.25	.2	.03	1.19	.6
%RSD	3.956	2.273	.2018	.0301	1.254	.5364

#1	115.8	99.02	110.6	99.39	95.88	104.1
#2	111.1	96.87	110.4	99.34	93.64	103.0
#3	107.0	101.4	110.9	99.40	94.07	103.7

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 104.0	F 106.0	F 109.4	F 80.28
Stddev	.8	.3	.3	14.06
%RSD	.7667	.3239	.2533	17.51

#1	104.2	106.1	109.7	70.29
#2	104.7	105.6	109.4	74.20
#3	103.1	106.3	109.1	96.36

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	2699.8	33260.	4772.5
Stddev	4.0	114.	39.1
%RSD	.14912	.34340	.81867

#1	2703.0	33314.	4812.7
#2	2695.3	33336.	4770.0
#3	2701.2	33129.	4734.7

Sample Name: int-10a 4140672 Acquired: 2/29/2016 16:54:35 Type: QC
Method: sw02152016(v2) 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 4.281	F -.5963	F 11.90	F 9.049	F 4.621	F 16.07
Stddev	10.40	1.297	.72	.116	.077	3.46
%RSD	243.0	217.6	6.043	1.281	1.678	21.53

#1	7.922	-.9456	11.10	8.915	4.538	19.93
#2	12.37	-1.683	12.08	9.113	4.634	13.24
#3	-7.453	.8398	12.51	9.119	4.692	15.04

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 -.4969	F 10360.	F -.1924	F -.6945	F 156.8	F -4.805
Stddev	.1125	26.	.1273	.2724	13.5	7.628
%RSD	22.63	.2551	66.14	39.23	8.592	158.8

#1	-.4655	10350.	-.2169	-.9246	148.2	-13.49
#2	-.4034	10340.	-.3057	-.7653	149.8	.8153
#3	-.6217	10390.	-.0547	-.3937	172.3	-1.742

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 14.45	F -.1244	F -6.422	F 3.310	F -1.910	F -3.990
Stddev	6.21	.0646	4.404	.851	.869	.369
%RSD	42.98	51.96	68.58	25.71	45.50	9.239

#1	20.17	-.1768	-2.518	2.342	-1.628	-3.745
#2	15.34	-.1440	-11.20	3.941	-2.886	-4.414
#3	7.844	-.0522	-5.552	3.646	-1.217	-3.810

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: int-10a 4140672 Acquired: 2/29/2016 16:54:35 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -4.261	F 18.77	F 9672.	F -.1885	F -7.023	F -3.113
Stddev	2.352	1.03	23.	.1045	.301	.106
%RSD	55.20	5.466	.2404	55.44	4.280	3.417

#1	-2.320	19.83	9655.	-.3083	-7.266	-3.037
#2	-3.586	17.78	9662.	-.1168	-6.687	-3.235
#3	-6.876	18.68	9698.	-.1402	-7.115	-3.068

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 10030.	F 9701.	F -.6622	F 8762.
Stddev	29.	28.	.0483	114.
%RSD	.2921	.2932	7.297	1.297

#1	10020.	9681.	-.6092	8634.
#2	9998.	9687.	-.7037	8800.
#3	10060.	9733.	-.6736	8852.

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	3049.4	38170.	4918.2
Stddev	15.5	72.	29.6
%RSD	.50819	.18792	.60177

#1	3061.3	38211.	4893.4
#2	3054.9	38213.	4951.0
#3	3031.9	38088.	4910.2

Sample Name: int-10b 4140674 Acquired: 2/29/2016 16:58:23 Type: QC
Method: sw02152016(v2) 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 29.92	F 18.84	F -.7680	F .5312	F -.0413	F 9.161
Stddev	8.35	.75	.2127	.1411	.0666	6.568
%RSD	27.92	3.989	27.69	26.56	161.4	71.70
#1	25.87	18.14	-.8238	.6656	-.1172	4.440
#2	24.37	19.64	-.5330	.3843	.0074	16.66
#3	39.53	18.75	-.9473	.5435	-.0140	6.380
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 -.7790	F .9646	F 10240.	F 9666.	F -51.46	F 1.526
Stddev	.0494	.2436	56.	40.	7.49	41.41
%RSD	6.347	25.26	.5472	.4131	14.55	2714.
#1	-.8278	.9038	10220.	9651.	-59.13	14.43
#2	-.7289	.7571	10300.	9711.	-51.08	34.95
#3	-.7802	1.233	10190.	9635.	-44.16	-44.80
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 81.49	F 10160.	F -9.999	F 10900.	F -5.913	F 2.099
Stddev	2.76	36.	8.958	15.	1.729	1.039
%RSD	3.388	.3567	89.59	.1340	29.24	49.49
#1	83.72	10180.	.2452	10920.	-7.844	3.288
#2	82.34	10180.	-13.88	10890.	-4.510	1.640
#3	78.40	10120.	-16.36	10900.	-5.385	1.369
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: int-10b 4140674 Acquired: 2/29/2016 16:58:23 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -5.159	F 3.899	F 1.667	F -5.766	F -7.792	F 5045.
Stddev	.863	.411	.420	.440	.847	5.
%RSD	16.72	10.54	25.20	7.638	10.88	.0982

#1	-5.582	3.799	2.087	-5.291	-8.462	5042.
#2	-5.728	4.351	1.247	-6.161	-8.074	5042.
#3	-4.166	3.548	1.666	-5.846	-6.839	5050.

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 .3642	F .2278	10010.	F -12.48
Stddev	.3389	.1664	137.	6.25
%RSD	93.04	73.02	1.367	50.11

#1	.0383	.4096	10090.	-19.70
#2	.7147	.0831	10080.	-9.046
#3	.3396	.1909	9852.	-8.693

Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Fail
Value	1000.	5000.		10000.
Range	-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	2920.5	37293.	4787.5
Stddev	8.1	287.	35.4
%RSD	.27593	.76866	.73916

#1	2919.0	37260.	4794.5
#2	2913.3	37024.	4749.1
#3	2929.2	37595.	4818.8

Sample Name: MB 460-345023/1-A Acquired: 2/29/2016 17:02:28 Type: QC
Method: sw02152016(v2) 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 -3.324	F -.3973	F -.3805	F .0020	F -.0429	F 14.92
Stddev	24.49	1.379	.4728	.0485	.1155	3.56
%RSD	736.7	347.1	124.2	2407.	269.0	23.89
#1	24.11	.9059	-.8866	.0483	.0257	18.86
#2	-22.99	-.2568	-.3047	-.0485	.0218	14.00
#3	-11.09	-1.841	.0497	.0062	-.1762	11.91
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 .0153	F .0800	F .0329	F -.0985	F .6302	F 2.728
Stddev	.1060	.0826	.2561	.2240	5.097	23.02
%RSD	695.2	103.2	777.5	227.3	808.9	843.7
#1	.0124	-.0152	.2945	-.2257	-2.620	3.206
#2	-.0893	.1320	.0218	-.2299	-1.994	-20.52
#3	.1227	.1233	-.2175	.1601	6.505	25.50
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 3.702	F .2749	F -17.95	F .3867	F -.2053	F 1.905
Stddev	.803	.0429	1.09	.1613	1.185	.474
%RSD	21.70	15.60	6.069	41.71	577.2	24.87
#1	4.132	.2982	-16.69	.2996	1.157	2.045
#2	4.200	.3010	-18.63	.5728	-.9932	2.292
#3	2.776	.2254	-18.52	.2877	-.7798	1.377
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 460-345023/1-A Acquired: 2/29/2016 17:02:28 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F .8981	F -.0300	F -.1356	F .6663	F -.1444	F 2.742
Stddev	1.411	.3025	.3443	.0316	.6391	1.444
%RSD	157.1	1009.	254.0	4.744	442.7	52.68

#1	-.3678	-.3038	-.2864	.6335	.5348	4.352
#2	2.420	.2948	.2584	.6689	-.2339	2.312
#3	.6424	-.0809	-.3788	.6965	-.7339	1.561

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 -.7845	F .0550	F .4884	F 3.205
Stddev	.1398	.0603	.1839	13.25
%RSD	17.82	109.7	37.65	413.6

#1	-.8887	.0917	.6923	18.06
#2	-.6256	-.0146	.4377	-7.397
#3	-.8393	.0877	.3352	-1.053

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	2995.0	37346.	4781.6
Stddev	19.7	274.	3.7
%RSD	.65837	.73488	.07736

#1	3017.5	37494.	4780.1
#2	2986.6	37515.	4778.9
#3	2980.9	37029.	4785.8

Sample Name: 460-107151-D-1-C DU Acquired: 2/29/2016 17:09:51 Type: Unk
Method: sw02152016(v2) 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	45.17	2.811	.0063	1.651	-.0527	4934.
Stddev	20.46	.488	.5270	.017	.0804	12.
%RSD	45.30	17.35	8371.	1.043	152.6	.2466

#1	67.67	2.250	-.3653	1.670	-.0593	4943.
#2	27.69	3.140	-.2253	1.636	.0308	4920.
#3	40.14	3.042	.6094	1.647	-.1297	4938.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0903	.0830	.1706	8.076	178.0	8910.
Stddev	.0684	.2669	.2048	.188	5.5	7.
%RSD	75.80	321.7	120.1	2.322	3.072	.0780

#1	.0142	.1897	.1230	7.879	179.6	8913.
#2	.1099	.2799	-.0062	8.098	171.9	8914.
#3	.1468	-.2208	.3950	8.252	182.5	8902.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7353.	2.984	F 265700.	1.103	1.612	1.442
Stddev	54.	.011	1817.	.220	1.079	.438
%RSD	.7324	.3507	.6838	19.96	66.94	30.37

#1	7414.	2.979	267700.	1.244	1.477	1.201
#2	7333.	2.996	264100.	1.216	.6067	1.947
#3	7312.	2.977	265400.	.8492	2.752	1.177

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

Sample Name: 460-107151-D-1-C DU Acquired: 2/29/2016 17:09:51 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2592	1.585	.8087	16.20	163.0	2.111
Stddev	3.572	.432	.2206	.25	1.1	.354
%RSD	1378.	27.25	27.27	1.559	.6631	16.79
#1	1.544	1.115	.9695	16.16	162.9	2.416
#2	3.012	1.965	.8993	16.47	162.1	2.194
#3	-3.778	1.674	.5573	15.97	164.2	1.722

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	-1.036	26.95	.6497	2500.
Stddev	.064	.10	.1232	8.
%RSD	6.205	.3753	18.96	.3056
#1	-1.103	26.91	.7308	2495.
#2	-.9746	27.07	.7104	2497.
#3	-1.031	26.88	.5080	2509.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2943.6	36233.	4899.4
Stddev	10.4	178.	32.3
%RSD	.35394	.49087	.65913
#1	2955.5	36179.	4919.2
#2	2939.5	36431.	4916.7
#3	2935.9	36088.	4862.1

Sample Name: 460-107151-D-1-B Acquired: 2/29/2016 17:13:45 Type: Unk
Method: sw02152016(v2) 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	51.16	3.844	-0.0064	1.476	.0328	4869.
Stddev	10.33	2.834	.4425	.035	.0869	25.
%RSD	20.20	73.72	6904.	2.407	264.7	.5115
#1	52.01	3.377	.3028	1.485	.0482	4842.
#2	61.04	1.273	.1912	1.506	-.0607	4891.
#3	40.43	6.883	-.5133	1.437	.1110	4874.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.1141	.1462	-.0900	8.416	171.3	8869.
Stddev	.0608	.0977	.0516	.174	11.9	60.
%RSD	53.31	66.83	57.31	2.071	6.950	.6718
#1	.1652	.0337	-.1495	8.226	164.8	8927.
#2	.0468	.2097	-.0574	8.454	185.1	8808.
#3	.1303	.1952	-.0632	8.568	164.1	8873.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7282.	2.962	F 265300.	.6975	1.638	1.740
Stddev	25.	.034	480.	.3005	1.048	.349
%RSD	.3482	1.137	.1807	43.08	63.98	20.06
#1	7262.	2.945	265500.	.8313	2.779	1.374
#2	7310.	2.939	264800.	.9078	1.417	1.778
#3	7273.	3.001	265700.	.3533	.7180	2.068

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

Sample Name: 460-107151-D-1-B Acquired: 2/29/2016 17:13:45 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.127	1.354	.4199	16.06	161.6	1.806
Stddev	4.168	1.979	.1839	.18	1.3	.128
%RSD	196.0	146.1	43.80	1.110	.8079	7.090
#1	-1.487	-8.145	.6322	15.88	161.2	1.747
#2	1.181	1.816	.3123	16.06	160.6	1.719
#3	6.687	3.061	.3151	16.24	163.1	1.953

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	-.3368	26.71	.4330	2482.
Stddev	.4644	.06	.1164	25.
%RSD	137.9	.2349	26.88	1.005
#1	.1961	26.78	.3681	2507.
#2	-.5512	26.68	.5673	2481.
#3	-.6553	26.66	.3636	2457.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2939.7	36239.	4907.0
Stddev	16.0	287.	20.3
%RSD	.54344	.79169	.41444
#1	2958.1	36569.	4930.4
#2	2931.6	36100.	4897.5
#3	2929.4	36048.	4893.2

Sample Name: 460-107151-D-1-D MS Acquired: 2/29/2016 17:21:29 Type: Unk
Method: sw02152016(v2) 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	2198.	2071.	53.14	2076.	53.89	25690.
Stddev	10.	8.	.41	6.	.38	115.
%RSD	.4613	.4068	.7660	.3054	.7060	.4456

#1	2187.	2062.	52.70	2069.	53.48	25830.
#2	2202.	2072.	53.21	2076.	53.96	25620.
#3	2206.	2079.	53.50	2082.	54.23	25640.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	53.00	532.2	213.6	268.4	1257.	28690.
Stddev	.05	.8	1.8	1.3	6.	15.
%RSD	.1004	.1552	.8641	.4778	.4441	.0527

#1	53.00	531.3	213.2	267.3	1263.	28680.
#2	52.95	532.8	212.0	268.2	1252.	28710.
#3	53.05	532.6	215.7	269.8	1255.	28700.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27590.	536.5	F 290600.	536.3	535.3	521.6
Stddev	57.	1.3	1709.	1.7	3.3	2.2
%RSD	.2051	.2368	.5879	.3130	.6081	.4150

#1	27650.	537.8	291600.	535.5	532.0	519.8
#2	27550.	535.3	291600.	535.1	535.3	524.0
#3	27560.	536.3	288600.	538.2	538.5	521.1

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

Sample Name: 460-107151-D-1-D MS Acquired: 2/29/2016 17:21:29 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2137.	2197.	533.5	571.1	704.1	517.8
Stddev	12.	2.	2.1	.9	5.8	2.2
%RSD	.5596	.0775	.3932	.1514	.8231	.4179
#1	2124.	2195.	534.8	572.1	698.3	515.4
#2	2144.	2199.	531.0	570.4	704.3	518.5
#3	2145.	2198.	534.5	570.9	709.9	519.6

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	533.2	547.5	538.4	2753.
Stddev	1.5	2.1	.8	35.
%RSD	.2844	.3860	.1428	1.270
#1	532.9	545.7	537.9	2723.
#2	531.8	547.0	538.0	2746.
#3	534.8	549.9	539.3	2791.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2954.9	36753.	4970.6
Stddev	19.4	289.	31.1
%RSD	.65722	.78553	.62655
#1	2966.5	36755.	5006.3
#2	2965.8	37040.	4956.7
#3	2932.5	36463.	4948.9

Sample Name: CCV Acquired: 2/29/2016 17:25:08 Type: QC
Method: sw02152016(v2) 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	124500.	2418.	1223.	9919.	1002.	122100.
Stddev	139.	10.	5.	7.	4.	435.
%RSD	.1115	.4012	.4388	.0740	.3612	.3560

#1	124700.	2421.	1217.	9910.	1006.	121900.
#2	124500.	2426.	1224.	9925.	1002.	121800.
#3	124400.	2408.	1227.	9921.	998.9	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	1233.	2478.	4913.	12360.	98920.	49240.
Stddev	1.	1.	16.	37.	400.	92.
%RSD	.1136	.0539	.3329	.2973	.4041	.1862

#1	1233.	2477.	4914.	12330.	98750.	49170.
#2	1232.	2479.	4895.	12350.	98630.	49210.
#3	1235.	2479.	4928.	12400.	99370.	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	121100.	4961.	123300.	2477.	7428.	975.7
Stddev	593.	15.	293.	3.	9.	1.5
%RSD	.4898	.3115	.2377	.1100	.1248	.1522

#1	120800.	4957.	123000.	2478.	7418.	974.9
#2	120800.	4948.	123300.	2480.	7433.	977.5
#3	121800.	4978.	123600.	2474.	7434.	974.9

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

Sample Name: CCV Acquired: 2/29/2016 17:25:08 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2425.	2521.	2470.	2465.	985.4	2465.
Stddev	10.	4.	7.	2.	1.6	2.
%RSD	.4213	.1408	.2785	.0925	.1641	.0757
#1	2435.	2520.	2468.	2462.	983.8	2463.
#2	2424.	2518.	2464.	2465.	987.1	2466.
#3	2415.	2525.	2477.	2467.	985.3	2467.

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	985.7	4976.	9972.	9813.
Stddev	2.7	9.	39.	75.
%RSD	.2745	.1717	.3927	.7680
#1	983.5	4984.	9995.	9834.
#2	988.7	4967.	9927.	9729.
#3	984.9	4978.	9995.	9875.

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	2807.3	35590.	4844.7
Stddev	2.8	195.	22.0
%RSD	.10065	.54857	.45489
#1	2807.7	35533.	4867.2
#2	2809.9	35807.	4823.2
#3	2804.3	35430.	4843.8

Sample Name: CCVL Acquired: 2/29/2016 17:32:37 Type: QC
Method: sw02152016(v2) 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	224.9	14.46	9.969	212.9	2.120	5093.
Stddev	12.4	.81	.273	.4	.151	26.
%RSD	5.494	5.612	2.737	.2007	7.105	.5059

#1	211.1	13.57	10.12	213.0	1.978	5064.
#2	228.4	14.65	9.654	212.4	2.278	5103.
#3	235.0	15.16	10.13	213.2	2.105	5113.

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	4.347	54.91	10.27	25.00	155.9	4914.
Stddev	.086	.14	.17	.48	10.5	37.
%RSD	1.976	.2546	1.683	1.911	6.747	.7578

#1	4.440	54.77	10.41	24.69	167.7	4872.
#2	4.271	54.89	10.08	24.76	147.6	4925.
#3	4.329	55.05	10.33	25.55	152.4	4944.

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	5037.	16.04	4994.	43.98	12.85	21.97
Stddev	22.	.06	30.	.19	.20	.85
%RSD	.4356	.3431	.5915	.4222	1.589	3.858

#1	5017.	16.04	4963.	44.16	12.83	21.61
#2	5033.	15.98	5021.	43.79	13.07	22.94
#3	5060.	16.09	4998.	43.99	12.66	21.36

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

Sample Name: CCVL Acquired: 2/29/2016 17:32:37 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.32	24.57	51.01	32.00	51.23	20.71
Stddev	3.05	.92	.66	.12	.44	.42
%RSD	14.99	3.738	1.290	.3865	.8589	2.025
#1	23.59	25.63	50.44	32.13	51.66	21.19
#2	19.80	24.13	50.86	31.88	50.78	20.40
#3	17.56	23.96	51.73	32.00	51.26	20.55

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	52.60	20.66	21.07	F 4.393
Stddev	.60	.18	.04	6.897
%RSD	1.147	.8515	.1900	157.0
#1	52.27	20.46	21.04	1.871
#2	53.29	20.70	21.05	12.20
#3	52.22	20.80	21.11	-.8873

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	3045.0	38220.	5013.5
Stddev	6.2	117.	23.0
%RSD	.20204	.30702	.45951
#1	3045.2	38354.	5037.1
#2	3051.0	38171.	5012.2
#3	3038.8	38136.	4991.1

Sample Name: 460-109273-F-2-B@10 Acquired: 2/29/2016 17:40:08 Type: Unk
Method: sw02152016(v2) 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	13140.	32.84	.9406	70.95	1.304	9356.
Stddev	551.	4.01	.5062	2.73	.098	399.
%RSD	4.192	12.21	53.81	3.843	7.492	4.261
#1	12610.	28.21	1.523	68.24	1.211	8965.
#2	13120.	35.13	.6908	70.92	1.294	9341.
#3	13710.	35.17	.6079	73.70	1.406	9762.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.8616	6.596	327.2	28.17	107100.	2476.
Stddev	.0635	.466	14.6	1.20	4629.	113.
%RSD	7.375	7.069	4.477	4.266	4.322	4.561
#1	-.8145	6.286	312.4	26.83	102500.	2368.
#2	-.8363	6.371	327.4	28.56	107000.	2466.
#3	-.9338	7.133	341.7	29.14	111800.	2593.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2329.	933.8	59.90	21.09	33.85	4.699
Stddev	109.	40.2	17.98	.77	3.07	1.950
%RSD	4.673	4.302	30.02	3.658	9.071	41.51
#1	2218.	894.2	80.65	20.54	31.65	2.689
#2	2331.	932.6	49.78	20.76	32.55	6.583
#3	2436.	974.5	49.26	21.98	37.36	4.823

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

Sample Name: 460-109273-F-2-B@10 Acquired: 2/29/2016 17:40:08 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.135	-1.500	177.1	217.4	15.26	2.417
Stddev	1.527	1.512	8.0	8.9	.60	.321
%RSD	24.89	100.8	4.531	4.090	3.910	13.28
#1	5.584	.2045	168.9	208.2	14.65	2.778
#2	4.960	-2.679	177.4	218.0	15.29	2.308
#3	7.861	-2.027	185.0	226.0	15.84	2.164

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	2.638	32.28	359.3	641.4
Stddev	.783	1.29	15.1	39.8
%RSD	29.68	3.984	4.201	6.209
#1	3.523	31.08	344.4	602.8
#2	2.357	32.12	359.0	639.2
#3	2.035	33.64	374.6	682.3

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	3040.4	38253.	4936.6
Stddev	35.1	527.	88.9
%RSD	1.1552	1.3766	1.8004
#1	2999.9	37646.	4849.8
#2	3058.2	38577.	4932.7
#3	3063.0	38537.	5027.4

Sample Name: 460-109383-A-1-G@4 Acquired: 2/29/2016 17:43:51 Type: Unk
Method: sw02152016(v2) 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	11380.	12.59	.2647	93.25	.9846	11510.
Stddev	73.	1.86	.4090	.18	.1096	63.
%RSD	.6408	14.74	154.5	.1956	11.13	.5432
#1	11330.	14.44	.2585	93.17	.8757	11490.
#2	11350.	12.62	-.1413	93.46	.9833	11460.
#3	11460.	10.73	.6768	93.12	1.095	11580.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.1619	10.24	112.5	58.29	57210.	1702.
Stddev	.1252	.14	.7	.21	243.	7.
%RSD	77.31	1.403	.5920	.3687	.4246	.4332
#1	-.0527	10.40	112.4	58.21	57080.	1694.
#2	-.1346	10.21	111.8	58.12	57060.	1702.
#3	-.2985	10.12	113.2	58.53	57490.	1709.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4507.	696.0	933.1	25.35	50.77	3.693
Stddev	20.	2.9	4.4	.37	.46	.882
%RSD	.4382	.4126	.4737	1.448	.9131	23.87
#1	4499.	694.0	936.1	25.67	51.16	2.815
#2	4493.	694.8	935.1	24.95	50.90	4.578
#3	4530.	699.3	928.0	25.42	50.26	3.686

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

Sample Name: 460-109383-A-1-G@4 Acquired: 2/29/2016 17:43:51 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.665	-1.485	80.51	259.9	25.04	4.242
Stddev	3.241	1.702	.31	1.7	1.08	.236
%RSD	88.43	114.6	.3878	.6437	4.293	5.571
#1	6.535	.4709	80.16	257.9	25.98	4.515
#2	4.310	-2.298	80.76	261.0	25.26	4.108
#3	.1502	-2.629	80.61	260.7	23.87	4.103

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	5.494	59.83	751.4	676.4
Stddev	1.075	.29	3.6	14.4
%RSD	19.56	.4774	.4782	2.125
#1	4.279	59.50	748.6	683.0
#2	5.887	60.01	750.1	686.2
#3	6.317	59.97	755.4	659.9

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	3165.6	39578.	5140.4
Stddev	14.0	322.	78.4
%RSD	.44333	.81308	1.5260
#1	3152.7	39239.	5065.9
#2	3163.5	39880.	5222.3
#3	3180.6	39616.	5133.1

Sample Name: 460-109429-A-16-A@4 Acquired: 2/29/2016 17:51:21 Type: Unk
Method: sw02152016(v2) 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	44950.	14.80	.4904	505.0	3.674	21230.
Stddev	377.	1.51	.4047	1.8	.113	72.
%RSD	.8386	10.21	82.53	.3540	3.068	.3390
#1	45330.	16.47	.7305	503.0	3.589	21170.
#2	44940.	14.42	.7175	505.6	3.631	21190.
#3	44580.	13.52	.0231	506.4	3.802	21310.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.0613	15.38	74.58	47.14	33430.	1683.
Stddev	.0840	.06	.66	.09	83.	11.
%RSD	137.1	.3627	.8803	.1920	.2494	.6564
#1	-.1568	15.40	74.53	47.04	33370.	1696.
#2	-.0280	15.32	73.94	47.16	33520.	1678.
#3	.0010	15.43	75.25	47.22	33380.	1676.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6829.	606.0	528.4	35.73	202.3	2.974
Stddev	22.	1.5	5.0	.34	.9	.706
%RSD	.3167	.2395	.9388	.9561	.4527	23.75
#1	6834.	604.6	534.1	35.97	202.8	3.789
#2	6805.	605.9	525.0	35.87	203.0	2.584
#3	6847.	607.5	526.1	35.33	201.3	2.548

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

Sample Name: 460-109429-A-16-A@4 Acquired: 2/29/2016 17:51:21 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.488	-1.571	74.88	151.6	9.030	2.524
Stddev	.551	.578	.41	1.0	.527	.087
%RSD	15.80	36.76	.5463	.6330	5.842	3.444
#1	3.071	-1.876	74.74	152.3	9.378	2.467
#2	4.113	-1.932	74.56	152.1	8.423	2.624
#3	3.281	-.9048	75.34	150.5	9.288	2.481

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	14.16	119.1	720.9	1110.
Stddev	.15	.6	2.0	9.
%RSD	1.058	.5141	.2730	.8435
#1	14.22	119.8	722.3	1121.
#2	14.28	118.8	721.7	1103.
#3	13.99	118.7	718.6	1106.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3231.8	40346.	5151.2
Stddev	16.3	187.	24.7
%RSD	.50528	.46352	.47893
#1	3246.4	40479.	5144.3
#2	3235.0	40427.	5178.5
#3	3214.2	40132.	5130.6

Sample Name: 460-109429-A-17-A@4 Acquired: 2/29/2016 17:55:07 Type: Unk
Method: sw02152016(v2) 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	42930.	14.53	.1483	427.2	2.956	82100.
Stddev	281.	1.20	.1355	1.3	.081	75.
%RSD	.6554	8.282	91.37	.3004	2.739	.0915
#1	42640.	13.36	.3047	428.7	3.033	82150.
#2	42950.	14.46	.0645	426.2	2.872	82140.
#3	43200.	15.76	.0758	426.7	2.962	82020.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.1257	15.53	64.19	45.70	36720.	2167.
Stddev	.0605	.12	.77	.20	151.	10.
%RSD	48.13	.7904	1.199	.4289	.4123	.4623
#1	-.1097	15.55	64.72	45.84	36570.	2179.
#2	-.1926	15.40	64.55	45.78	36720.	2163.
#3	-.0748	15.64	63.31	45.47	36880.	2160.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8833.	1163.	567.0	35.31	186.0	1.795
Stddev	29.	.	6.2	.18	.9	2.621
%RSD	.3292	.0337	1.093	.5013	.4926	146.0
#1	8828.	1164.	567.7	35.12	186.9	1.000
#2	8864.	1163.	572.9	35.35	186.1	4.721
#3	8807.	1163.	560.5	35.47	185.0	-.3372

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

Sample Name: 460-109429-A-17-A@4 Acquired: 2/29/2016 17:55:07 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.758	-1.939	73.15	134.0	10.21	2.062
Stddev	1.729	.828	.62	.5	.71	.197
%RSD	98.37	42.71	.8489	.3455	6.971	9.574
#1	.1606	-1.442	72.43	134.2	10.59	2.277
#2	3.594	-1.481	73.56	134.4	10.65	1.889
#3	1.519	-2.896	73.45	133.5	9.387	2.020

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	11.68	301.2	870.7	1092.
Stddev	.92	1.3	2.1	14.
%RSD	7.899	.4258	.2436	1.295
#1	11.50	300.1	868.9	1108.
#2	12.67	300.9	870.2	1082.
#3	10.85	302.7	873.0	1087.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3178.1	39513.	5264.1
Stddev	25.3	409.	49.9
%RSD	.79694	1.0339	.94871
#1	3152.1	39064.	5246.7
#2	3179.4	39610.	5225.1
#3	3202.7	39864.	5320.4

Sample Name: 460-109429-A-19-A@4 Acquired: 2/29/2016 18:02:39 Type: Unk
Method: sw02152016(v2) 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	40720.	25.16	1.917	753.8	2.731	42590.
Stddev	74.	2.02	.455	.8	.068	140.
%RSD	.1821	8.045	23.72	.1019	2.488	.3291
#1	40730.	25.29	1.486	754.0	2.755	42760.
#2	40640.	23.08	2.393	754.4	2.783	42500.
#3	40790.	27.12	1.873	752.9	2.654	42530.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	3.464	35.58	95.07	527.9	76310.	3716.
Stddev	.147	.07	.13	2.9	330.	23.
%RSD	4.243	.1830	.1367	.5409	.4326	.6177
#1	3.295	35.52	95.14	531.1	76620.	3706.
#2	3.540	35.65	95.15	525.5	75960.	3700.
#3	3.558	35.59	94.92	527.1	76360.	3742.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19460.	1170.	1258.	83.47	2617.	10.83
Stddev	100.	5.	10.	.18	5.	.80
%RSD	.5135	.3924	.8305	.2100	.1799	7.361
#1	19570.	1175.	1251.	83.47	2612.	11.13
#2	19410.	1167.	1253.	83.29	2621.	9.920
#3	19390.	1169.	1270.	83.64	2619.	11.42

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

Sample Name: 460-109429-A-19-A@4 Acquired: 2/29/2016 18:02:39 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.548	-3.283	132.1	927.7	91.13	7.610
Stddev	3.282	1.571	.4	1.4	.48	.144
%RSD	72.16	47.84	.2810	.1553	.5309	1.893
#1	4.787	-2.832	132.2	926.1	91.01	7.770
#2	7.705	-5.030	132.3	928.9	91.66	7.569
#3	1.154	-1.988	131.6	928.1	90.71	7.491

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	346.3	213.0	1716.	1036.
Stddev	.7	.7	4.	20.
%RSD	.2132	.3068	.2583	1.964
#1	347.1	213.6	1720.	1031.
#2	346.2	213.1	1711.	1058.
#3	345.6	212.3	1716.	1018.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3229.1	40258.	5284.7
Stddev	5.2	225.	23.7
%RSD	.15953	.55943	.44759
#1	3234.3	40035.	5287.7
#2	3224.0	40485.	5306.7
#3	3229.1	40254.	5259.7

Sample Name: 460-109429-A-21-A@4 Acquired: 2/29/2016 18:10:08 Type: Unk
Method: sw02152016(v2) 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	45150.	62.48	.9936	321.3	2.583	198400.
Stddev	272.	1.93	.3554	1.0	.039	905.
%RSD	.6022	3.090	35.77	.3117	1.525	.4563
#1	45430.	64.54	1.034	321.7	2.611	197900.
#2	44890.	60.72	.6199	322.0	2.538	197800.
#3	45120.	62.18	1.327	320.1	2.601	199400.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0606	26.46	110.7	134.9	77530.	6280.
Stddev	.0302	.25	.6	.9	282.	33.
%RSD	49.81	.9340	.5757	.6606	.3632	.5195
#1	.0505	26.18	109.9	133.9	77400.	6290.
#2	.0368	26.61	110.9	135.7	77340.	6243.
#3	.0946	26.60	111.1	134.9	77850.	6306.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25430.	1208.	2493.	63.40	344.6	3.025
Stddev	101.	4.	13.	.40	3.2	1.284
%RSD	.3953	.3222	.5085	.6290	.9316	42.44
#1	25370.	1205.	2485.	63.85	341.6	1.688
#2	25370.	1206.	2488.	63.25	348.0	3.139
#3	25540.	1212.	2508.	63.10	344.3	4.248

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

Sample Name: 460-109429-A-21-A@4 Acquired: 2/29/2016 18:10:08 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.194	-3.239	154.3	299.2	35.51	4.260
Stddev	2.536	1.853	1.9	1.1	.29	.201
%RSD	79.41	57.22	1.215	.3646	.8103	4.724
#1	5.674	-5.378	152.5	298.9	35.84	4.379
#2	.6049	-2.173	154.1	300.5	35.40	4.028
#3	3.303	-2.165	156.2	298.4	35.29	4.373

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	23.35	771.8	2469.	3307.
Stddev	.14	3.2	3.	27.
%RSD	.5876	.4084	.1331	.8303
#1	23.36	775.3	2466.	3298.
#2	23.21	769.1	2472.	3337.
#3	23.48	771.2	2468.	3284.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3161.9	39524.	5303.3
Stddev	23.4	256.	37.1
%RSD	.74034	.64650	.69978
#1	3140.3	39381.	5272.1
#2	3158.7	39819.	5344.4
#3	3186.7	39372.	5293.6

Sample Name: CCB Acquired: 2/29/2016 18:17:29 Type: QC
Method: sw02152016(v2) 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	11.03	.9212	-.1897	1.516	.0001	21.64
Stddev	17.54	.7917	.4635	2.531	.0764	8.90
%RSD	159.0	85.95	244.3	166.9	56180.	41.12
#1	-9.219	1.816	-.3484	.0794	.0338	28.80
#2	21.14	.6379	.3323	.0306	.0539	24.46
#3	21.18	.3101	-.5531	4.438	-.0873	11.68

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1022	.5590	.1063	-.1016	-4.001	12.33
Stddev	.3121	.4387	.3251	.1804	8.159	35.21
%RSD	305.4	78.48	305.8	177.6	203.9	285.6
#1	-.0890	.3083	.3212	.0931	-11.64	44.70
#2	-.0667	.3031	-.2677	-.1345	-4.955	17.44
#3	.4623	1.066	.2655	-.2633	4.593	-25.15

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.326	.1820	-5.128	.4952	1.066	2.321
Stddev	2.582	.1242	9.392	.6054	3.573	.803
%RSD	48.47	68.26	183.2	122.3	335.3	34.61
#1	4.447	.3230	-2.891	-.1731	-.4972	1.583
#2	3.300	.1341	2.944	.6516	-1.460	3.177
#3	8.233	.0889	-15.44	1.007	5.154	2.205

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

Sample Name: CCB Acquired: 2/29/2016 18:17:29 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.683	.5870	-.0271	.1780	.9915	1.390
Stddev	2.448	3.020	.2474	.7860	.5240	.421
%RSD	145.5	514.4	912.4	441.4	52.85	30.27
#1	1.462	-2.779	.1747	-.2140	1.571	1.572
#2	-.6472	1.482	-.3031	-.3348	.5514	.9085
#3	4.234	3.058	.0471	1.083	.8518	1.688

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	.5531	-.0073	.4012	9.538
Stddev	.0910	.0808	.3350	25.43
%RSD	16.45	1111.	83.49	266.6
#1	.4544	-.0934	.7832	28.07
#2	.5714	.0045	.2626	20.00
#3	.6336	.0670	.1577	-19.45

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	2996.9	37468.	4755.7
Stddev	14.5	248.	16.3
%RSD	.48424	.66091	.34248
#1	3000.2	37356.	4765.8
#2	2981.0	37296.	4764.5
#3	3009.4	37752.	4736.9

Sample Name: CCVL Acquired: 2/29/2016 18:21:24 Type: QC
Method: sw02152016(v2) 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	230.7	14.04	9.654	209.0	2.024	5036.
Stddev	16.7	1.45	.256	.2	.188	7.
%RSD	7.229	10.30	2.650	.0885	9.283	.1456

#1	235.8	14.49	9.866	209.0	1.883	5044.
#2	244.2	12.43	9.726	208.9	2.237	5031.
#3	212.0	15.21	9.370	209.2	1.951	5032.

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	4.188	53.58	10.49	24.37	153.3	4868.
Stddev	.077	.25	.30	.31	3.6	12.
%RSD	1.830	.4590	2.882	1.279	2.338	.2401

#1	4.160	53.86	10.82	24.71	153.7	4876.
#2	4.128	53.44	10.43	24.09	149.5	4875.
#3	4.274	53.42	10.22	24.32	156.6	4855.

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	4958.	15.94	4943.	43.01	11.17	21.26
Stddev	11.	.03	22.	.42	1.56	.72
%RSD	.2301	.2185	.4468	.9849	14.01	3.375

#1	4957.	15.94	4920.	42.83	12.85	21.03
#2	4947.	15.98	4945.	42.71	9.750	22.06
#3	4969.	15.91	4964.	43.50	10.91	20.68

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

Sample Name: CCVL Acquired: 2/29/2016 18:21:24 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.08	24.57	50.37	31.49	49.19	20.25
Stddev	2.64	1.98	.33	.20	.55	.08
%RSD	13.12	8.056	.6489	.6324	1.120	.3990

#1	17.26	26.85	50.00	31.27	49.17	20.27
#2	20.52	23.29	50.51	31.65	49.75	20.32
#3	22.47	23.58	50.61	31.54	48.65	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	50.49	20.66	20.82	F 16.52
Stddev	1.22	.13	.08	9.38
%RSD	2.417	.6152	.3677	56.76

#1	51.87	20.77	20.74	6.936
#2	49.54	20.69	20.89	16.95
#3	50.06	20.52	20.82	25.68

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	3024.8	38070.	4924.7
Stddev	4.6	357.	51.0
%RSD	.15115	.93867	1.0356

#1	3030.1	38479.	4982.9
#2	3021.9	37911.	4903.2
#3	3022.5	37820.	4887.9

Sample Name: 460-109448-A-1-A@4 Acquired: 2/29/2016 18:28:59 Type: Unk
Method: sw02152016(v2) 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	49900.	13.73	1.416	319.1	2.229	8542.
Stddev	288.	1.02	.492	1.6	.069	25.
%RSD	.5777	7.440	34.77	.5006	3.110	.2953

#1	49690.	13.28	.8584	317.5	2.232	8522.
#2	49780.	14.90	1.791	319.1	2.296	8534.
#3	50230.	13.02	1.597	320.7	2.158	8571.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.4311	17.43	58.88	61.03	65460.	2236.
Stddev	.1307	.05	.49	.12	95.	58.
%RSD	30.32	.2853	.8369	.1904	.1448	2.587

#1	-.5774	17.44	59.45	60.90	65360.	2229.
#2	-.3256	17.47	58.56	61.11	65540.	2181.
#3	-.3904	17.37	58.64	61.09	65470.	2297.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5489.	2264.	129.8	60.91	298.0	3.622
Stddev	29.	7.	4.6	.65	2.1	.451
%RSD	.5291	.3182	3.572	1.072	.7094	12.46

#1	5476.	2257.	135.2	60.19	296.5	3.126
#2	5468.	2264.	127.1	61.10	297.1	4.007
#3	5522.	2272.	127.2	61.45	300.4	3.735

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

Sample Name: 460-109448-A-1-A@4 Acquired: 2/29/2016 18:28:59 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.517	-1.120	77.15	277.8	3.650	2.440
Stddev	1.997	2.040	.95	2.2	.567	.136
%RSD	56.78	182.1	1.231	.7876	15.54	5.556
#1	5.778	-.7057	77.53	275.4	3.771	2.384
#2	2.778	-3.335	76.06	278.2	4.146	2.342
#3	1.995	.6806	77.84	279.7	3.032	2.595

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	7.736	57.22	1122.	1216.
Stddev	.364	.19	4.	14.
%RSD	4.711	.3321	.3965	1.133
#1	7.827	57.04	1117.	1202.
#2	7.335	57.20	1125.	1218.
#3	8.047	57.42	1125.	1229.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3158.3	39344.	5117.0
Stddev	3.1	108.	44.6
%RSD	.09696	.27528	.87119
#1	3159.9	39225.	5141.4
#2	3160.2	39372.	5144.0
#3	3154.7	39436.	5065.5

Sample Name: 460-109450-E-2-A@4 Acquired: 2/29/2016 18:36:27 Type: Unk
Method: sw02152016(v2) 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	45100.	32.40	2.120	703.3	3.051	178500.
Stddev	238.	2.53	.323	2.9	.046	294.
%RSD	.5279	7.797	15.21	.4182	1.501	.1645

#1	44920.	31.87	1.754	699.9	3.060	178200.
#2	45010.	30.18	2.243	705.1	3.001	178700.
#3	45370.	35.15	2.363	704.8	3.091	178800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.1084	32.79	95.32	218.5	77020.	4139.
Stddev	.0419	.35	.96	.6	165.	17.
%RSD	38.63	1.058	1.007	.2842	.2139	.4000

#1	.0621	32.40	94.62	217.9	76830.	4159.
#2	.1436	33.08	94.92	219.2	77100.	4131.
#3	.1196	32.87	96.41	218.5	77130.	4129.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17640.	1301.	779.4	58.24	1387.	1.884
Stddev	47.	1.	4.9	.75	9.	1.067
%RSD	.2661	.0825	.6328	1.294	.6531	56.66

#1	17680.	1299.	781.7	57.39	1378.	.6645
#2	17650.	1301.	773.8	58.81	1396.	2.338
#3	17590.	1301.	782.8	58.54	1388.	2.649

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

Sample Name: 460-109450-E-2-A@4 Acquired: 2/29/2016 18:36:27 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.059	-.8378	125.5	652.9	17.76	4.064
Stddev	2.400	.7960	.2	2.4	.28	.480
%RSD	78.47	95.01	.1336	.3660	1.593	11.80
#1	5.560	-1.726	125.6	650.1	17.66	3.547
#2	2.842	-.1880	125.4	654.3	18.08	4.494
#3	.7743	-.5998	125.3	654.2	17.54	4.150

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	87.14	552.2	1283.	1651.
Stddev	1.05	1.0	2.	12.
%RSD	1.200	.1896	.1444	.7265
#1	86.36	552.8	1281.	1638.
#2	86.74	551.0	1283.	1658.
#3	88.33	552.7	1284.	1659.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3085.4	38439.	5043.2
Stddev	5.1	161.	8.6
%RSD	.16636	.41979	.17014
#1	3081.3	38253.	5042.9
#2	3083.8	38544.	5051.9
#3	3091.2	38520.	5034.7

Sample Name: 460-109450-E-3-A@4 Acquired: 2/29/2016 18:40:12 Type: Unk
Method: sw02152016(v2) 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	45050.	25.18	1.502	670.7	2.609	171800.
Stddev	39.	2.39	.305	1.1	.072	636.
%RSD	.0871	9.493	20.33	.1708	2.743	.3704

#1	45010.	22.43	1.340	669.7	2.677	171400.
#2	45080.	26.35	1.854	670.3	2.614	172600.
#3	45070.	26.76	1.311	671.9	2.534	171500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.0643	25.05	90.06	102.2	62130.	5338.
Stddev	.1522	.02	.03	.4	202.	10.
%RSD	236.9	.0779	.0348	.3828	.3248	.1825

#1	.0234	25.06	90.05	102.0	62000.	5330.
#2	.0239	25.03	90.10	102.7	62360.	5349.
#3	-.2401	25.07	90.04	102.0	62010.	5336.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22460.	1858.	1418.	47.09	1043.	1.660
Stddev	53.	2.	10.	.26	3.	1.571
%RSD	.2351	.1257	.7285	.5563	.3141	94.67

#1	22440.	1857.	1407.	47.21	1039.	2.992
#2	22510.	1861.	1428.	46.79	1045.	-.0730
#3	22410.	1856.	1417.	47.27	1045.	2.060

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

Sample Name: 460-109450-E-3-A@4 Acquired: 2/29/2016 18:40:12 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.149	-1.519	95.35	428.1	27.52	2.927
Stddev	1.065	.732	.79	1.3	.28	.521
%RSD	49.54	48.19	.8237	.3152	1.018	17.81
#1	3.150	-1.299	94.48	426.8	27.59	3.502
#2	2.267	-2.335	95.58	428.0	27.76	2.793
#3	1.030	-.9219	96.00	429.5	27.22	2.485

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	93.11	558.4	1643.	3489.
Stddev	.06	.8	3.	22.
%RSD	.0628	.1471	.1863	.6286
#1	93.13	559.2	1639.	3467.
#2	93.16	558.5	1643.	3488.
#3	93.05	557.6	1646.	3511.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3085.9	38382.	5028.3
Stddev	17.5	275.	37.3
%RSD	.56656	.71608	.74144
#1	3070.0	38311.	4995.7
#2	3083.1	38150.	5020.2
#3	3104.7	38686.	5069.0

Sample Name: 460-109450-E-4-A@4 Acquired: 2/29/2016 18:43:57 Type: Unk
Method: sw02152016(v2) 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	66910.	20.72	1.470	962.7	6.852	F 452100.
Stddev	527.	1.86	.239	2.3	.036	1555.
%RSD	.7882	8.988	16.24	.2418	.5279	.3439

#1	66440.	22.07	1.296	961.4	6.817	453100.
#2	67480.	21.49	1.372	961.3	6.848	450300.
#3	66800.	18.59	1.743	965.4	6.890	452900.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2989	21.90	142.8	90.58	51900.	9246.
Stddev	.1911	.25	.4	.40	136.	16.
%RSD	63.93	1.157	.2667	.4441	.2610	.1727

#1	.4621	21.79	143.2	90.55	51750.	9233.
#2	.3460	21.72	142.8	90.19	51950.	9264.
#3	.0887	22.19	142.4	90.99	52000.	9241.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	72820.	3326.	4356.	47.60	695.1	2.282
Stddev	135.	5.	20.	.21	2.6	1.066
%RSD	.1853	.1514	.4696	.4500	.3804	46.73

#1	72910.	3321.	4351.	47.84	694.9	3.328
#2	72890.	3331.	4378.	47.48	692.6	2.322
#3	72670.	3325.	4338.	47.46	697.9	1.196

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

Sample Name: 460-109450-E-4-A@4 Acquired: 2/29/2016 18:43:57 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.382	-.9928	79.08	466.0	82.49	4.128
Stddev	1.797	1.205	.33	2.7	.82	.222
%RSD	53.12	121.4	.4132	.5868	.9884	5.377
#1	1.562	-1.041	78.77	462.9	81.55	3.954
#2	3.431	.2359	79.06	467.9	82.91	4.378
#3	5.155	-2.173	79.42	467.3	83.00	4.052

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	20.95	1317.	3337.	1290.
Stddev	.71	6.	8.	20.
%RSD	3.395	.4622	.2386	1.525
#1	20.49	1312.	3328.	1285.
#2	20.58	1323.	3342.	1273.
#3	21.77	1315.	3342.	1312.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3263.0	40338.	5450.2
Stddev	3.1	306.	24.5
%RSD	.09424	.75829	.44915
#1	3260.5	40004.	5422.0
#2	3262.0	40405.	5463.2
#3	3266.5	40605.	5465.4

Sample Name: 460-109450-E-5-A@4 Acquired: 2/29/2016 18:47:50 Type: Unk
Method: sw02152016(v2) 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	46570.	22.42	4.838	479.6	2.804	174100.
Stddev	137.	1.09	.494	.2	.094	546.
%RSD	.2944	4.882	10.21	.0394	3.358	.3133

#1	46680.	23.62	4.451	479.7	2.788	174700.
#2	46610.	21.48	5.395	479.4	2.905	174000.
#3	46410.	22.15	4.669	479.7	2.719	173700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.6149	30.65	110.7	129.3	70080.	4341.
Stddev	.1192	.27	.5	.4	117.	40.
%RSD	19.39	.8888	.4265	.2871	.1664	.9146

#1	.5182	30.76	111.0	129.0	70150.	4307.
#2	.7481	30.86	110.9	129.3	69940.	4385.
#3	.5784	30.34	110.2	129.7	70140.	4331.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26110.	1017.	986.7	69.74	537.8	2.757
Stddev	113.	4.	12.4	.21	1.6	1.183
%RSD	.4330	.3458	1.257	.3019	.3025	42.91

#1	26230.	1021.	998.7	69.71	538.5	3.966
#2	26070.	1017.	987.4	69.54	535.9	2.704
#3	26020.	1014.	973.9	69.96	538.9	1.602

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

Sample Name: 460-109450-E-5-A@4 Acquired: 2/29/2016 18:47:50 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.044	-1.150	108.3	727.8	44.51	3.595
Stddev	2.873	2.070	.3	4.0	.25	.180
%RSD	94.39	180.0	.2521	.5541	.5505	5.001
#1	3.635	-1.422	108.6	732.1	44.52	3.513
#2	5.576	-3.071	108.3	727.4	44.26	3.470
#3	-.0789	1.043	108.0	724.0	44.74	3.801

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	13.64	1036.	1360.	2130.
Stddev	.40	5.	3.	24.
%RSD	2.967	.4714	.2534	1.105
#1	13.81	1041.	1364.	2140.
#2	13.17	1034.	1359.	2103.
#3	13.93	1032.	1358.	2147.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3067.9	37857.	4909.1
Stddev	19.6	233.	76.0
%RSD	.63853	.61417	1.5483
#1	3050.1	37602.	4907.0
#2	3064.6	37913.	4834.2
#3	3088.9	38056.	4986.1

Sample Name: 460-109450-E-6-A@4 Acquired: 2/29/2016 18:51:35 Type: Unk
Method: sw02152016(v2) 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	74610.	33.71	2.317	687.9	3.200	35620.
Stddev	44.	2.83	.483	1.9	.058	94.
%RSD	.0586	8.389	20.86	.2790	1.798	.2630

#1	74580.	30.49	1.779	688.5	3.135	35710.
#2	74590.	35.80	2.715	689.5	3.246	35640.
#3	74660.	34.84	2.455	685.8	3.219	35520.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-1.210	35.45	129.1	96.09	121800.	6037.
Stddev	.020	.19	.9	.46	260.	30.
%RSD	1.644	.5333	.6866	.4747	.2133	.4898

#1	-1.218	35.33	129.7	96.32	122100.	6004.
#2	-1.187	35.67	129.4	96.38	121800.	6062.
#3	-1.224	35.36	128.1	95.56	121500.	6044.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20740.	1161.	908.0	104.6	556.4	2.438
Stddev	80.	4.	2.6	.2	.4	.683
%RSD	.3878	.3811	.2847	.1754	.0806	28.01

#1	20820.	1164.	910.4	104.7	555.9	3.021
#2	20760.	1163.	908.4	104.3	556.8	2.605
#3	20660.	1156.	905.3	104.6	556.4	1.687

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

Sample Name: 460-109450-E-6-A@4 Acquired: 2/29/2016 18:51:35 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.179	-2.179	178.2	336.8	15.70	4.125
Stddev	4.122	1.592	.9	1.2	.49	.092
%RSD	66.72	73.06	.4813	.3537	3.094	2.229
#1	1.464	-2.268	178.4	335.5	16.18	4.074
#2	7.966	-.5442	179.0	337.8	15.71	4.231
#3	9.106	-3.724	177.3	337.1	15.21	4.070

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	14.18	167.1	2256.	1143.
Stddev	1.32	.2	3.	7.
%RSD	9.297	.0946	.1451	.6419
#1	13.26	167.1	2258.	1146.
#2	15.69	166.9	2258.	1135.
#3	13.59	167.2	2252.	1148.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3141.4	38996.	5022.0
Stddev	6.0	288.	1.0
%RSD	.18958	.73826	.02054
#1	3138.4	38727.	5022.6
#2	3137.6	38960.	5020.8
#3	3148.3	39300.	5022.5

Sample Name: 460-109450-E-7-A@4 Acquired: 2/29/2016 18:55:18 Type: Unk
Method: sw02152016(v2) 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	39470.	15.60	1.204	203.9	3.051	11050.
Stddev	206.	1.64	.155	.2	.070	3.
%RSD	.5225	10.52	12.91	.1074	2.287	.0257

#1	39590.	15.50	1.129	204.0	3.045	11060.
#2	39590.	17.29	1.100	203.7	2.984	11050.
#3	39230.	14.02	1.383	204.1	3.123	11050.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.5625	51.07	76.24	84.65	69640.	3355.
Stddev	.1201	.18	.70	.24	159.	8.
%RSD	21.36	.3512	.9226	.2854	.2281	.2532

#1	-.5251	51.24	76.11	84.41	69800.	3351.
#2	-.6969	50.88	75.62	84.66	69640.	3365.
#3	-.4655	51.07	77.00	84.89	69490.	3350.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10780.	905.2	655.9	74.42	128.4	3.504
Stddev	30.	.9	8.8	.22	.5	.990
%RSD	.2750	.0961	1.339	.2921	.3561	28.26

#1	10820.	905.3	656.0	74.56	128.6	2.435
#2	10780.	904.3	664.6	74.53	127.9	3.687
#3	10760.	906.1	647.0	74.17	128.8	4.389

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

Sample Name: 460-109450-E-7-A@4 Acquired: 2/29/2016 18:55:18 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.181	-.6228	102.8	196.4	4.002	1.768
Stddev	2.141	.8197	.7	.3	.291	.343
%RSD	98.21	131.6	.6449	.1474	7.275	19.39
#1	3.972	-.3812	102.1	196.3	4.279	1.702
#2	-.1912	.0489	102.9	196.2	4.028	2.139
#3	2.761	-1.536	103.4	196.7	3.698	1.463

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	7.350	84.42	1091.	914.7
Stddev	.851	.09	1.	9.9
%RSD	11.58	.1011	.1128	1.080
#1	8.053	84.35	1091.	903.3
#2	7.592	84.40	1090.	921.1
#3	6.404	84.51	1092.	919.6

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	3284.0	40998.	5244.4
Stddev	33.2	593.	90.3
%RSD	1.0100	1.4452	1.7211
#1	3247.2	40329.	5140.7
#2	3311.5	41457.	5287.3
#3	3293.4	41208.	5305.3

Sample Name: MB 460-353116/1-A Acquired: 2/29/2016 18:59:05 Type: QC
Method: sw02152016(v2) 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	5.382	.6740	.5447	-.0345	-.0298	27.63
Stddev	9.194	2.066	.1126	.0421	.0600	2.78
%RSD	170.8	306.5	20.67	122.1	201.4	10.07
#1	15.98	1.967	.5986	-.0396	-.0753	24.95
#2	.6425	-1.708	.4153	-.0737	.0382	30.51
#3	-.4744	1.763	.6203	.0100	-.0522	27.43

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.0396	-.1256	.1883	-.0722	14.61	-.2874
Stddev	.0560	.1178	.2483	.0859	7.23	14.09
%RSD	141.3	93.80	131.9	119.0	49.53	4901.
#1	-.0555	-.1137	.1019	-.1638	7.635	-16.31
#2	-.0860	-.2489	-.0053	.0067	14.10	10.16
#3	.0226	-.0142	.4682	-.0597	22.08	5.289

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.615	.0606	-25.56	.0072	-.0651	1.398
Stddev	4.077	.0772	8.51	.2068	.2609	.318
%RSD	88.35	127.4	33.30	2869.	400.7	22.77
#1	4.895	.0388	-17.31	.2447	.1421	1.703
#2	8.544	.1464	-25.05	-.0899	.0207	1.422
#3	.4047	-.0033	-34.31	-.1332	-.3581	1.068

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

Sample Name: MB 460-353116/1-A Acquired: 2/29/2016 18:59:05 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.218	.6739	-.3761	.6567	-.9625	.1757
Stddev	.260	1.160	.0519	.0879	.1965	.1771
%RSD	11.72	172.2	13.79	13.39	20.42	100.8
#1	2.480	1.080	-.3235	.5699	-1.145	.3606
#2	2.212	1.577	-.3775	.6546	-.7544	.0076
#3	1.961	-.6350	-.4272	.7457	-.9884	.1589

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	-.6567	-.0568	.0778	-10.61
Stddev	.5030	.0359	.0599	8.98
%RSD	76.60	63.22	77.06	84.62
#1	-.9596	-.0184	.1390	-17.26
#2	-.9343	-.0896	.0750	-.3970
#3	-.0760	-.0625	.0193	-14.17

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	3097.2	38755.	4927.5
Stddev	7.2	71.	44.2
%RSD	.23226	.18330	.89615
#1	3098.0	38677.	4880.2
#2	3104.0	38814.	4967.6
#3	3089.7	38775.	4934.8

Sample Name: CCB Acquired: 2/29/2016 19:06:41 Type: QC
Method: sw02152016(v2) 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	8.824	.5198	.2248	1.630	-.0486	31.60
Stddev	11.04	1.263	.5930	2.625	.0638	3.98
%RSD	125.2	242.9	263.8	161.1	131.4	12.60

#1	16.02	1.977	.7440	4.659	-.1056	27.01
#2	-3.891	-.2389	.3518	.0238	.0204	34.02
#3	14.34	-.1790	-.4214	.2066	-.0606	33.78

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.2232	.5274	.2183	.1172	.8599	34.91
Stddev	.2837	.7615	.1553	.2099	9.366	9.13
%RSD	127.1	144.4	71.16	179.1	1089.	26.16

#1	.5499	1.404	.0584	.1038	11.28	38.75
#2	.0399	.0302	.3686	-.0857	-1.843	24.48
#3	.0797	.1478	.2279	.3334	-6.857	41.49

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.933	.0970	-15.59	.2947	.0395	1.428
Stddev	2.272	.0365	3.26	.4424	2.273	.959
%RSD	117.6	37.66	20.90	150.1	5757.	67.18

#1	4.404	.0707	-14.89	.7161	2.598	.9253
#2	1.460	.0816	-19.14	-.1661	-1.747	2.534
#3	-.0659	.1387	-12.74	.3341	-.7334	.8244

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

Sample Name: CCB Acquired: 2/29/2016 19:06:41 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7462	.0235	-.1512	.1242	.2248	1.370
Stddev	3.631	2.252	.0781	.7397	.0591	1.243
%RSD	486.6	9587.	51.66	595.6	26.28	90.74
#1	4.939	2.624	-.0860	.9780	.1567	2.796
#2	-1.402	-1.278	-.1299	-.3227	.2552	.8004
#3	-1.298	-1.276	-.2378	-.2827	.2625	.5136

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	.0650	.0549	.4530	4.365
Stddev	.2570	.1033	.1552	7.745
%RSD	395.5	188.3	34.26	177.4
#1	.3518	.1733	.5406	-1.099
#2	-.0121	-.0171	.2738	13.23
#3	-.1447	.0085	.5445	.9650

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	3116.0	39039.	4939.6
Stddev	3.8	244.	58.4
%RSD	.12344	.62535	1.1818
#1	3112.2	39278.	5007.0
#2	3119.9	39049.	4906.0
#3	3115.9	38790.	4905.8

Sample Name: LCS 460-353116/2-A@2 Acquired: 2/29/2016 19:14:30 Type: QC
Method: sw02152016(v2) 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	2533.	2223.	236.6	4884.	512.7	9547.
Stddev	24.	11.	1.5	8.	3.5	62.
%RSD	.9531	.4862	.6153	.1697	.6773	.6466

#1	2528.	2235.	235.0	4887.	512.5	9506.
#2	2559.	2217.	237.8	4890.	516.3	9618.
#3	2511.	2216.	237.1	4875.	509.3	9517.

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	509.5	527.3	2409.	477.4	508.0	9452.
Stddev	1.5	1.0	11.	1.6	12.6	38.
%RSD	.2961	.1860	.4712	.3250	2.474	.3982

#1	510.5	527.8	2402.	477.2	520.5	9428.
#2	510.3	527.9	2422.	479.0	495.4	9495.
#3	507.8	526.2	2403.	475.9	508.0	9433.

Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	None
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9182.	518.0	9382.	523.0	2473.	479.1
Stddev	55.	2.5	67.	1.8	5.	1.4
%RSD	.5955	.4738	.7161	.3413	.2089	.2911

#1	9131.	516.7	9326.	524.9	2477.	479.8
#2	9240.	520.9	9457.	522.7	2474.	480.0
#3	9174.	516.5	9364.	521.4	2467.	477.4

Check ?	None	None	None	Chk Pass	Chk Pass	None
Value						
Range						

Sample Name: LCS 460-353116/2-A@2 Acquired: 2/29/2016 19:14:30 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	466.3	550.1	249.7	530.2	474.4	498.6
Stddev	4.6	2.7	1.3	.5	.3	1.1
%RSD	.9927	.4916	.5128	.0995	.0652	.2157

#1	462.4	547.3	248.9	529.6	474.0	497.4
#2	471.4	552.6	251.2	530.7	474.6	499.5
#3	465.0	550.3	249.1	530.2	474.6	499.1

Check ?	Chk Pass	None	None	Chk Pass	None	None
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	492.2	497.2	515.8	32.72
Stddev	1.5	2.2	2.1	19.15
%RSD	.2950	.4370	.4143	58.53

#1	493.8	497.4	514.4	19.43
#2	491.7	499.3	518.3	54.68
#3	491.1	495.0	514.7	24.06

Check ?	None	None	None	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3024.0	37712.	4743.0
Stddev	1.7	244.	44.3
%RSD	.05778	.64765	.93437

#1	3024.7	37958.	4785.4
#2	3022.0	37469.	4697.0
#3	3025.3	37708.	4746.8

Sample Name: 460-109355-A-1-C DU Acquired: 2/29/2016 19:18:07 Type: Unk
Method: sw02152016(v2) 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	282.4	-1.093	-.0941	116.9	-.0172	8786.
Stddev	8.7	1.241	.3205	.3	.0442	12.
%RSD	3.088	113.5	340.4	.2972	257.2	.1421

#1	292.4	.3385	-.0735	117.3	.0218	8790.
#2	278.9	-1.759	-.4244	116.8	-.0652	8772.
#3	276.0	-1.859	.2155	116.7	-.0081	8797.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.4126	2.407	2.935	20.08	326.4	606.7
Stddev	.0879	.216	.711	.14	5.6	13.2
%RSD	21.30	8.989	24.23	.7138	1.713	2.177

#1	.4965	2.601	2.350	19.95	322.6	601.3
#2	.4201	2.447	2.728	20.06	323.8	597.0
#3	.3212	2.174	3.727	20.24	332.8	621.7

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	1401.	308.1	F 285700.	3.957	211.8	3.659
Stddev	3.	1.0	4135.	.387	2.0	.513
%RSD	.2210	.3364	1.447	9.787	.9564	14.02

#1	1398.	307.5	289300.	4.401	210.7	3.226
#2	1404.	307.4	281200.	3.688	214.1	3.526
#3	1400.	309.3	286600.	3.782	210.5	4.226

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

Sample Name: 460-109355-A-1-C DU Acquired: 2/29/2016 19:18:07 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9518	-.8053	.4857	121.5	29.84	.0968
Stddev	1.998	.5432	.3097	.4	.59	.1123
%RSD	209.9	67.45	63.77	.3266	1.988	116.0
#1	1.080	-.9667	.4469	121.0	30.50	.2264
#2	2.883	-1.249	.8129	121.6	29.64	.0302
#3	-1.107	-.1997	.1972	121.8	29.37	.0338

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	.2501	36.17	12.52	1135.
Stddev	.3121	.19	1.60	41.
%RSD	124.8	.5262	12.79	3.583
#1	-.1054	36.00	14.25	1092.
#2	.3767	36.12	11.10	1173.
#3	.4789	36.37	12.20	1139.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2952.6	36571.	4814.6
Stddev	10.7	226.	69.6
%RSD	.36342	.61767	1.4460
#1	2948.3	36353.	4759.7
#2	2964.8	36804.	4892.9
#3	2944.7	36554.	4791.2

Sample Name: sd 460-109355-A-1-B Acquired: 2/29/2016 19:26:09 Type: Unk
Method: sw02152016(v2) 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	59.12	.1139	.4848	22.20	-.0633	1678.
Stddev	2.88	2.623	.8072	.09	.0723	4.
%RSD	4.878	2302.	166.5	.4210	114.2	.2159
#1	62.33	3.034	-.2958	22.22	-.0121	1678.
#2	58.24	-.6517	1.316	22.10	-.0319	1674.
#3	56.77	-2.041	.4340	22.29	-.1461	1682.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0536	.6064	.2694	4.108	56.03	106.2
Stddev	.0894	.3168	.2330	.041	8.55	20.2
%RSD	166.8	52.24	86.50	.9984	15.25	19.06
#1	.1104	.4036	.4613	4.072	57.40	100.5
#2	.0998	.9715	.3366	4.099	46.88	128.7
#3	-.0494	.4442	.0101	4.152	63.81	89.43

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	267.4	58.91	54610.	.5518	40.01	1.751
Stddev	6.7	.11	39.	.1962	.76	1.505
%RSD	2.516	.1938	.0714	35.56	1.908	85.99
#1	259.6	58.82	54650.	.7156	39.59	1.002
#2	270.7	58.87	54580.	.3343	40.89	3.484
#3	271.8	59.04	54590.	.6055	39.56	.7669

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

Sample Name: sd 460-109355-A-1-B Acquired: 2/29/2016 19:26:09 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.572	-1.670	.1736	22.68	5.278	-.1506
Stddev	1.500	2.284	.0595	.14	.807	.0560
%RSD	58.32	1367.	34.28	.6346	15.29	37.16
#1	1.906	-1.842	.1171	22.78	5.907	-.0966
#2	1.520	-1.093	.1679	22.75	4.368	-.1468
#3	4.289	2.434	.2357	22.52	5.560	-.2084

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	.1046	6.806	2.312	222.2
Stddev	.4989	.062	.463	11.2
%RSD	476.9	.9127	20.05	5.031
#1	.6097	6.763	2.068	215.8
#2	.0920	6.777	2.021	215.7
#3	-.3879	6.877	2.846	235.1

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	3041.8	38096.	4862.0
Stddev	24.2	178.	20.9
%RSD	.79640	.46841	.42893
#1	3069.0	38299.	4879.3
#2	3022.5	38029.	4868.0
#3	3033.9	37961.	4838.9

Sample Name: pds 460-109355-A-1-B Acquired: 2/29/2016 19:33:55 Type: Unk
Method: sw02152016(v2) 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	2450.	1879.	50.48	2072.	53.67	27820.
Stddev	12.	5.	.08	6.	.22	118.
%RSD	.5046	.2708	.1492	.2795	.4168	.4243
#1	2440.	1883.	50.54	2079.	53.79	27680.
#2	2446.	1881.	50.40	2070.	53.41	27870.
#3	2464.	1874.	50.51	2068.	53.81	27890.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	50.66	510.6	204.7	265.3	1373.	19600.
Stddev	.11	.6	1.7	1.8	12.	34.
%RSD	.2090	.1094	.8078	.6671	.9064	.1731
#1	50.78	511.2	204.1	263.6	1358.	19590.
#2	50.59	510.1	203.4	265.1	1378.	19640.
#3	50.62	510.5	206.6	267.1	1381.	19570.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19570.	800.0	F 296400.	504.8	689.3	481.4
Stddev	101.	3.7	761.	1.1	2.4	2.2
%RSD	.5168	.4568	.2568	.2220	.3504	.4560
#1	19460.	796.0	295500.	505.9	692.1	483.9
#2	19660.	800.9	296700.	504.7	688.3	479.6
#3	19590.	803.2	297000.	503.7	687.6	480.9

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

Sample Name: pds 460-109355-A-1-B Acquired: 2/29/2016 19:33:55 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1941.	2092.	512.3	652.7	510.2	496.5
Stddev	11.	6.	2.9	1.3	3.8	2.3
%RSD	.5512	.2944	.5691	.2013	.7527	.4539
#1	1952.	2099.	510.3	654.1	514.5	499.0
#2	1940.	2089.	511.0	651.5	508.7	495.8
#3	1930.	2087.	515.6	652.6	507.3	494.6

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	499.4	542.3	538.4	1118.
Stddev	3.3	1.3	3.3	1.
%RSD	.6585	.2468	.6124	.0923
#1	501.7	543.4	534.6	1119.
#2	500.9	542.6	540.3	1119.
#3	495.6	540.8	540.4	1117.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2945.1	36470.	4782.3
Stddev	9.1	120.	29.4
%RSD	.30798	.32918	.61467
#1	2935.8	36608.	4812.7
#2	2953.9	36416.	4780.3
#3	2945.6	36386.	4754.0

Sample Name: 460-109419-A-29-B@5 Acquired: 2/29/2016 19:49:46 Type: Unk
Method: sw02152016(v2) 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	137.2	-1.005	.1273	40.44	.0945	6874.
Stddev	11.5	1.765	.5764	.10	.1572	31.
%RSD	8.360	175.6	452.7	.2468	166.4	.4513
#1	145.5	.5942	.7898	40.37	.1826	6841.
#2	124.1	-2.899	-.2603	40.55	-.0870	6879.
#3	142.0	-.7113	-.1474	40.39	.1879	6902.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0313	1.734	.3220	2.985	11.04	529.6
Stddev	.0929	.249	.1494	.084	8.61	17.7
%RSD	296.8	14.35	46.40	2.798	78.00	3.342
#1	-.0122	1.596	.4915	3.082	20.93	534.8
#2	.1380	2.021	.2652	2.932	5.317	509.8
#3	-.0318	1.584	.2094	2.943	6.855	544.1

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	1652.	88.73	F 278300.	2.311	2.540	2.559
Stddev	7.	.37	2878.	.377	.549	.784
%RSD	.4428	.4158	1.034	16.29	21.63	30.63
#1	1644.	88.35	280300.	2.252	3.172	1.654
#2	1654.	89.08	275000.	1.968	2.174	2.995
#3	1658.	88.77	279600.	2.714	2.274	3.029

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

Sample Name: 460-109419-A-29-B@5 Acquired: 2/29/2016 19:49:46 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5173	-.1946	.0324	5.480	20.50	-.1116
Stddev	1.835	.7106	.4887	.111	.10	.2922
%RSD	354.8	365.2	1509.	2.018	.4884	261.9
#1	-.0964	.1497	.2426	5.355	20.62	-.1334
#2	-.9327	-1.012	-.5262	5.520	20.45	-.3922
#3	2.581	.2782	.3808	5.565	20.44	.1909

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	-.2540	31.38	1.229	630.5
Stddev	.3165	.02	.098	10.1
%RSD	124.6	.0676	7.988	1.597
#1	-.5109	31.37	1.331	622.5
#2	-.3507	31.36	1.135	641.8
#3	.0995	31.40	1.221	627.3

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	2967.9	36890.	4805.3
Stddev	5.9	39.	65.4
%RSD	.19986	.10546	1.3620
#1	2971.6	36934.	4731.7
#2	2971.1	36861.	4856.8
#3	2961.1	36876.	4827.5

Sample Name: 460-109419-A-2-B@5 Acquired: 2/29/2016 19:41:44 Type: Unk
Method: sw02152016(v2) 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	143.5	-8689	-0127	101.8	.1747	5059.
Stddev	3.9	.8388	.3735	.3	.1061	71.
%RSD	2.707	96.54	2929.	.2460	60.76	1.397

#1	139.2	-.2173	.4154	101.8	.2775	5066.
#2	146.7	-1.815	-.1825	102.0	.1810	5126.
#3	144.7	-.5741	-.2712	101.5	.0655	4985.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0357	7.940	.5812	5.609	77.28	391.5
Stddev	.0931	.237	.1809	.070	10.09	22.6
%RSD	261.1	2.982	31.13	1.257	13.06	5.768

#1	.0750	8.096	.7559	5.688	88.94	374.4
#2	.1026	7.668	.3946	5.583	71.50	383.1
#3	-.0707	8.057	.5930	5.554	71.42	417.1

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	1332.	839.7	F 263400.	5.177	20.94	2.608
Stddev	13.	4.9	2281.	.410	2.80	1.339
%RSD	.9946	.5831	.8661	7.917	13.39	51.34

#1	1327.	840.9	265600.	5.028	18.30	4.035
#2	1348.	844.0	263500.	4.863	20.63	1.380
#3	1323.	834.4	261000.	5.641	23.88	2.408

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

Sample Name: 460-109419-A-2-B@5 Acquired: 2/29/2016 19:41:44 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.529	-.0512	.2640	41.32	80.82	-.0712
Stddev	1.458	2.485	.5474	.37	.65	.1100
%RSD	41.32	4856.	207.4	.9046	.8026	154.4
#1	4.892	-1.474	.8789	41.64	81.32	-.1978
#2	3.705	2.819	.0834	41.39	80.08	-.0165
#3	1.991	-1.498	-.1703	40.91	81.05	.0007

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	.0986	28.52	2.992	489.1
Stddev	.2609	.17	.244	2.5
%RSD	264.6	.5891	8.151	.5032
#1	.0548	28.67	3.091	487.4
#2	.3786	28.55	3.170	487.9
#3	-.1376	28.34	2.714	491.9

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	3011.7	37312.	4926.7
Stddev	13.2	318.	34.1
%RSD	.43665	.85296	.69140
#1	3001.9	37156.	4888.2
#2	3006.7	37102.	4939.3
#3	3026.7	37678.	4952.8

Sample Name: CCV Acquired: 2/29/2016 19:53:50 Type: QC
Method: sw02152016(v2) 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	125900.	2309.	1210.	9504.	1003.	119300.
Stddev	202.	6.	2.	10.	3.	129.
%RSD	.1607	.2428	.1548	.1097	.2638	.1084

#1	126000.	2303.	1212.	9493.	1002.	119400.
#2	125700.	2309.	1209.	9504.	1000.	119200.
#3	125900.	2314.	1209.	9514.	1005.	119400.

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	1198.	2415.	4744.	11970.	98950.	48790.
Stddev	3.	6.	6.	3.	435.	64.
%RSD	.2649	.2615	.1218	.0255	.4396	.1305

#1	1195.	2410.	4740.	11970.	98840.	48830.
#2	1197.	2413.	4741.	11970.	98590.	48720.
#3	1201.	2422.	4750.	11980.	99430.	48830.

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	116400.	4862.	119100.	2369.	7062.	949.3
Stddev	127.	11.	77.	4.	4.	1.4
%RSD	.1089	.2220	.0646	.1859	.0569	.1515

#1	116500.	4857.	119000.	2365.	7062.	947.6
#2	116300.	4855.	119000.	2369.	7058.	950.1
#3	116300.	4874.	119200.	2373.	7066.	950.2

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

Sample Name: CCV Acquired: 2/29/2016 19:53:50 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2296.	2477.	2417.	2461.	927.9	2375.
Stddev	8.	5.	5.	12.	4.7	4.
%RSD	.3432	.1890	.1938	.4961	.5095	.1573
#1	2287.	2479.	2415.	2458.	924.5	2373.
#2	2301.	2472.	2413.	2451.	933.3	2374.
#3	2300.	2480.	2422.	2474.	926.0	2380.

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	951.1	4909.	9914.	9462.
Stddev	1.1	13.	17.	73.
%RSD	.1152	.2724	.1679	.7735
#1	950.5	4902.	9910.	9438.
#2	950.4	4902.	9899.	9404.
#3	952.3	4925.	9932.	9544.

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	2919.7	36394.	4782.4
Stddev	15.0	120.	48.6
%RSD	.51510	.32869	1.0158
#1	2902.3	36278.	4740.3
#2	2928.3	36388.	4771.3
#3	2928.4	36517.	4835.6

Sample Name: 460-109419-A-38-B@5 Acquired: 2/29/2016 20:05:26 Type: Unk
Method: sw02152016(v2) 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	272.1	.3388	.2465	110.3	.0218	11440.
Stddev	15.6	1.692	.4679	.4	.0250	18.
%RSD	5.720	499.4	189.8	.3759	115.0	.1553
#1	267.2	-.4012	.7712	110.0	.0475	11430.
#2	289.5	-.8569	-.1274	110.8	.0201	11460.
#3	259.5	2.274	.0956	110.2	-.0024	11430.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0810	5.461	.6988	4.249	278.7	941.7
Stddev	.0984	.269	.4863	.256	6.9	32.4
%RSD	121.5	4.925	69.59	6.012	2.475	3.440
#1	.1942	5.668	.6252	4.396	270.8	961.7
#2	.0164	5.157	1.218	4.397	282.5	904.3
#3	.0323	5.559	.2535	3.954	283.0	959.1

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	4303.	772.9	F 269700.	3.116	3.543	1.424
Stddev	17.	.6	2450.	.366	1.121	1.389
%RSD	.3870	.0824	.9084	11.76	31.64	97.54
#1	4303.	773.0	272000.	3.031	4.397	.6106
#2	4285.	773.5	267100.	3.517	3.957	.6341
#3	4319.	772.2	269900.	2.799	2.273	3.029

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

Sample Name: 460-109419-A-38-B@5 Acquired: 2/29/2016 20:05:26 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.701	.4864	.3826	10.35	19.71	-.1046
Stddev	2.988	.8082	.1417	.26	.72	.0967
%RSD	63.56	166.1	37.03	2.523	3.672	92.46
#1	4.305	-.1719	.2451	10.28	20.47	.0014
#2	7.868	1.388	.5281	10.63	19.03	-.1880
#3	1.931	.2428	.3746	10.12	19.65	-.1270

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	-.6965	67.40	7.273	1412.
Stddev	.3829	.29	.379	4.
%RSD	54.97	.4371	5.209	.2813
#1	-1.139	67.44	7.165	1410.
#2	-.4683	67.08	6.960	1416.
#3	-.4827	67.67	7.694	1409.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2969.4	36620.	4789.4
Stddev	21.0	172.	26.5
%RSD	.70815	.47047	.55416
#1	2952.6	36670.	4765.6
#2	2962.7	36428.	4818.0
#3	2993.0	36762.	4784.5

Sample Name: 460-109443-A-1-C@5 Acquired: 2/29/2016 20:13:28 Type: Unk
Method: sw02152016(v2) 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	149.3	2.756	.2860	391.9	.1281	34490.
Stddev	10.5	1.482	.5355	.3	.2049	124.
%RSD	7.022	53.77	187.2	.0829	159.9	.3602

#1	138.4	2.167	-.2695	392.0	-.0077	34620.
#2	159.3	1.659	.3286	392.1	.0282	34480.
#3	150.2	4.442	.7989	391.5	.3637	34370.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0902	50.98	.0561	2.323	4135.	953.0
Stddev	.0594	.13	.4737	.408	26.	41.0
%RSD	65.78	.2465	843.9	17.54	.6328	4.301

#1	.0318	50.84	.6008	2.769	4164.	979.0
#2	.0884	51.09	-.2594	1.969	4128.	974.2
#3	.1505	50.99	-.1730	2.232	4113.	905.7

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	3397.	753.9	F 285600.	33.73	11.25	5.413
Stddev	16.	1.8	3428.	.62	.91	2.238
%RSD	.4564	.2383	1.200	1.824	8.055	41.35

#1	3407.	755.6	283600.	34.33	11.90	6.712
#2	3405.	754.1	289600.	33.77	11.64	6.698
#3	3379.	752.0	283700.	33.10	10.22	2.828

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

Sample Name: 460-109443-A-1-C@5 Acquired: 2/29/2016 20:13:28 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9323	-.0889	-.2257	1129.	37.55	-.3021
Stddev	3.010	1.750	.1648	6.	.73	.2878
%RSD	322.8	1967.	73.04	.5313	1.952	95.29
#1	3.647	.9594	-.1125	1133.	37.40	-.1092
#2	-2.305	.8824	-.4148	1132.	36.91	-.1640
#3	1.455	-2.109	-.1497	1122.	38.35	-.6329

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	-1.209	128.9	1.753	1928.
Stddev	.628	.3	.025	50.
%RSD	51.92	.2192	1.401	2.611
#1	-1.927	128.9	1.741	1908.
#2	-.7633	129.1	1.736	1986.
#3	-.9369	128.6	1.781	1891.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2952.8	36419.	4741.4
Stddev	11.1	183.	58.1
%RSD	.37704	.50237	1.2247
#1	2965.1	36211.	4736.7
#2	2943.4	36493.	4801.8
#3	2950.0	36554.	4685.9

Sample Name: 460-109443-A-2-C@5 Acquired: 2/29/2016 20:17:29 Type: Unk
Method: sw02152016(v2) 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	185.3	-.4771	-.2502	184.1	.0240	50280.
Stddev	14.6	3.944	.2006	.5	.1209	133.
%RSD	7.909	826.7	80.15	.2933	504.6	.2639
#1	178.9	.6016	-.2167	183.4	.1463	50170.
#2	202.0	2.816	-.4655	184.3	-.0954	50250.
#3	174.8	-4.849	-.0686	184.4	.0210	50430.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.3090	4.768	.5754	2.916	107.4	927.1
Stddev	.0562	.093	.5227	.242	7.3	28.9
%RSD	18.20	1.952	90.83	8.296	6.762	3.119
#1	.3697	4.698	1.064	2.655	102.7	927.6
#2	.2987	4.731	.0240	3.133	103.9	898.0
#3	.2587	4.873	.6389	2.961	115.8	955.8

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2497.	611.2	F 294300.	6.619	7.053	.3680
Stddev	16.	1.4	2761.	.094	.897	.5329
%RSD	.6530	.2219	.9383	1.423	12.73	144.8
#1	2486.	610.4	295600.	6.708	6.208	.3242
#2	2488.	610.4	291100.	6.520	6.956	-.1417
#3	2515.	612.7	296100.	6.629	7.995	.9214

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

Sample Name: 460-109443-A-2-C@5 Acquired: 2/29/2016 20:17:29 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1966	.1923	-.0991	98.08	32.26	.2957
Stddev	1.126	2.570	.3731	.30	.39	.0792
%RSD	572.8	1337.	376.4	.3052	1.220	26.77
#1	.3545	.4832	.3278	97.74	32.38	.2247
#2	-1.492	-2.511	-.3627	98.30	31.82	.3811
#3	.5479	2.604	-.2625	98.21	32.59	.2814

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	-.2861	173.2	2.035	710.5
Stddev	1.289	.3	.094	12.2
%RSD	450.6	.1954	4.606	1.721
#1	-1.630	172.9	1.933	708.9
#2	.9411	173.6	2.117	723.4
#3	-.1698	173.2	2.055	699.1

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	2950.2	36656.	4876.7
Stddev	10.0	53.	20.5
%RSD	.34016	.14470	.42092
#1	2961.5	36617.	4889.5
#2	2946.8	36717.	4887.6
#3	2942.3	36634.	4853.0

Sample Name: 460-109446-A-7-C@5 Acquired: 2/29/2016 20:25:32 Type: Unk
Method: sw02152016(v2) 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	165.0	1.651	.3870	98.05	.0221	41290.
Stddev	6.9	.409	.1222	.27	.1449	134.
%RSD	4.205	24.75	31.58	.2776	654.9	.3247
#1	163.0	2.118	.5277	98.00	-.1403	41220.
#2	159.2	1.360	.3261	97.82	.1380	41210.
#3	172.7	1.475	.3072	98.35	.0686	41450.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.5341	.9832	.2198	9.167	39.42	983.2
Stddev	.0553	.1408	.6360	.347	8.86	12.6
%RSD	10.36	14.32	289.3	3.787	22.48	1.283
#1	.5423	1.069	.2459	9.239	31.78	974.8
#2	.5848	1.060	.8423	8.789	49.14	997.7
#3	.4751	.8206	-.4288	9.472	37.36	977.1

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	5116.	197.1	F 289400.	12.41	20.23	1.196
Stddev	13.	.9	1170.	.30	1.03	1.383
%RSD	.2482	.4525	.4045	2.419	5.085	115.6
#1	5112.	196.7	290600.	12.70	19.04	2.601
#2	5105.	196.6	288200.	12.44	20.87	1.150
#3	5130.	198.2	289300.	12.10	20.78	-.1626

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

Sample Name: 460-109446-A-7-C@5 Acquired: 2/29/2016 20:25:32 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3979	-.4708	.0728	153.8	28.98	-.2338
Stddev	.8385	1.607	.2833	.7	.65	.0767
%RSD	210.7	341.3	389.0	.4301	2.258	32.81
#1	1.364	-1.938	-.1443	153.6	28.84	-.1930
#2	-.1350	1.246	-.0306	153.3	28.41	-.3222
#3	-.0357	-.7199	.3933	154.5	29.69	-.1861

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	.6140	138.3	2.928	982.9
Stddev	.5420	.4	.267	3.4
%RSD	88.28	.3209	9.112	.3419
#1	1.046	137.8	2.641	986.7
#2	.0058	138.7	3.169	980.3
#3	.7900	138.4	2.974	981.7

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	2988.6	37072.	4906.0
Stddev	13.9	217.	38.8
%RSD	.46573	.58441	.79108
#1	3001.3	37204.	4923.8
#2	2990.7	37191.	4932.7
#3	2973.7	36822.	4861.5

Sample Name: 460-109452-A-3-B@5 Acquired: 2/29/2016 20:29:35 Type: Unk
Method: sw02152016(v2) 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	139.2	1.538	.3116	112.5	-.0506	36660.
Stddev	9.7	.549	.1640	.3	.1518	51.
%RSD	6.954	35.70	52.63	.2802	300.2	.1385

#1	133.1	.9526	.4864	112.4	-.1060	36610.
#2	150.3	2.041	.1611	112.2	.1212	36710.
#3	134.1	1.620	.2872	112.8	-.1669	36670.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.4822	4.290	.1789	3.523	39.08	1076.
Stddev	.1791	.284	.3108	.078	4.91	8.
%RSD	37.14	6.629	173.7	2.203	12.57	.7620

#1	.5182	4.367	-.1483	3.477	39.89	1081.
#2	.2878	3.975	.4702	3.613	33.82	1080.
#3	.6406	4.528	.2148	3.480	43.54	1067.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3220.	361.2	F 289500.	3.797	10.57	.4470
Stddev	22.	.9	3562.	.491	.97	.7826
%RSD	.6696	.2551	1.231	12.92	9.142	175.1

#1	3196.	360.2	286300.	4.077	10.52	-.3537
#2	3226.	361.4	288900.	4.083	11.57	1.210
#3	3238.	362.1	293300.	3.230	9.637	.4846

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

Sample Name: 460-109452-A-3-B@5 Acquired: 2/29/2016 20:29:35 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.939	-.0856	.0382	173.9	27.99	-.1407
Stddev	1.018	2.607	.3832	.6	.50	.0765
%RSD	25.83	3045.	1003.	.3706	1.801	54.37
#1	4.119	1.461	-.3986	174.3	27.71	-.1250
#2	2.844	1.378	.1952	173.1	27.69	-.0733
#3	4.855	-3.095	.3180	174.2	28.57	-.2239

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	1.263	92.46	2.139	766.4
Stddev	.338	.28	.151	20.4
%RSD	26.78	.2986	7.063	2.665
#1	1.647	92.43	2.268	743.1
#2	1.009	92.20	1.973	774.8
#3	1.133	92.75	2.177	781.3

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	2938.2	36387.	4719.9
Stddev	6.0	161.	56.6
%RSD	.20499	.44221	1.1984
#1	2941.4	36549.	4783.5
#2	2942.0	36386.	4701.2
#3	2931.3	36227.	4675.1

Sample Name: 460-109473-A-10-B@5 Acquired: 2/29/2016 20:33:36 Type: Unk
Method: sw02152016(v2) 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	84.41	.2162	.0854	100.1	.3040	2890.
Stddev	6.46	1.238	.4303	.4	.1263	11.
%RSD	7.650	572.7	504.1	.3616	41.56	.3862
#1	84.20	-.6649	-.3222	99.78	.4091	2885.
#2	78.06	1.632	.0431	100.2	.3390	2903.
#3	90.96	-.3183	.5352	100.5	.1638	2882.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0393	12.21	.6380	2.125	218.4	554.7
Stddev	.0512	.30	.3016	.076	2.9	22.1
%RSD	130.3	2.490	47.27	3.565	1.325	3.993
#1	.0875	12.42	.5793	2.167	217.2	540.7
#2	-.0144	12.34	.3702	2.037	216.2	543.3
#3	.0448	11.86	.9647	2.169	221.7	580.3

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	679.5	1555.	F 291400.	9.636	2.934	2.436
Stddev	5.4	6.	2867.	.072	.799	1.333
%RSD	.7881	.3669	.9836	.7484	27.25	54.70
#1	674.0	1554.	294700.	9.621	2.699	2.588
#2	684.7	1561.	289400.	9.573	3.824	3.686
#3	679.7	1550.	290200.	9.714	2.278	1.034

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

Sample Name: 460-109473-A-10-B@5 Acquired: 2/29/2016 20:33:36 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.293	-1.677	-.3036	6.274	22.41	-.1040
Stddev	1.831	1.692	.5948	.346	.36	.0982
%RSD	141.6	100.9	195.9	5.515	1.626	94.41
#1	3.372	-2.973	.3121	5.875	22.83	-.0658
#2	-.0772	.2373	-.8750	6.453	22.22	-.2156
#3	.5837	-2.295	-.3479	6.494	22.17	-.0307

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	-.3195	19.10	.3960	244.4
Stddev	.0625	.07	.2666	15.6
%RSD	19.56	.3598	67.33	6.386
#1	-.3646	19.15	.4260	244.3
#2	-.2482	19.14	.6463	228.8
#3	-.3458	19.03	.1156	260.1

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	2983.3	36889.	4810.8
Stddev	13.0	316.	21.6
%RSD	.43736	.85549	.44921
#1	2979.1	36702.	4788.7
#2	2972.8	36713.	4831.9
#3	2997.9	37254.	4811.8

Sample Name: 460-109473-A-30-B@5 Acquired: 2/29/2016 20:41:39 Type: Unk
Method: sw02152016(v2) 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	51.06	.2741	.0970	71.01	.1538	2791.
Stddev	4.71	1.603	.4351	.36	.0550	14.
%RSD	9.220	584.9	448.6	.5050	35.78	.5052
#1	46.80	1.224	.1643	71.05	.1868	2775.
#2	50.27	1.176	.4945	70.63	.1844	2802.
#3	56.11	-1.577	-.3678	71.34	.0903	2796.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0313	1.150	.3642	4.768	-10.77	296.2
Stddev	.0695	.197	.5553	.150	2.93	57.6
%RSD	222.1	17.15	152.5	3.151	27.25	19.45
#1	.1076	.9276	.5585	4.596	-11.32	285.2
#2	-.0285	1.304	.7963	4.831	-13.38	244.9
#3	.0148	1.220	-.2622	4.876	-7.595	358.5

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	609.4	182.7	F 264200.	1.905	.3288	1.088
Stddev	4.5	.6	775.	.067	1.143	2.137
%RSD	.7406	.3233	.2931	3.535	347.6	196.5
#1	604.9	182.1	263300.	1.884	-.2602	.0583
#2	613.9	183.3	264600.	1.980	-.3994	-.3405
#3	609.3	182.7	264700.	1.851	1.646	3.545

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

Sample Name: 460-109473-A-30-B@5 Acquired: 2/29/2016 20:41:39 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.842	-.5971	-.2506	9.675	21.05	-.2672
Stddev	2.221	1.237	.2158	.242	.63	.1347
%RSD	120.6	207.2	86.09	2.503	3.004	50.42
#1	.7876	-.2780	-.4942	9.874	20.41	-.1874
#2	.3432	-1.963	-.1743	9.746	21.67	-.4228
#3	4.394	.4492	-.0834	9.405	21.06	-.1915

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	-.2763	15.85	.3412	198.9
Stddev	.5381	.15	.1067	18.3
%RSD	194.8	.9588	31.26	9.207
#1	-.3363	16.01	.3790	212.7
#2	.2893	15.84	.2208	206.0
#3	-.7819	15.71	.4238	178.1

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	2987.3	36646.	4728.0
Stddev	9.5	99.	68.0
%RSD	.31696	.26986	1.4392
#1	2985.3	36746.	4806.5
#2	2979.0	36645.	4692.2
#3	2997.6	36548.	4685.4

Sample Name: CCB Acquired: 2/29/2016 20:49:23 Type: QC
Method: sw02152016(v2) 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	14.44	.2493	.0476	.2738	.1494	41.18
Stddev	14.47	1.813	.3302	.1156	.0520	2.76
%RSD	100.2	727.2	693.1	42.23	34.81	6.697
#1	31.10	-1.756	-.1619	.3494	.0984	42.57
#2	5.147	1.771	.4283	.1407	.2023	42.96
#3	7.060	.7336	-.1236	.3313	.1473	38.00

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0485	.2441	.2168	.6488	.8745	29.66
Stddev	.0639	.3179	.6756	.3694	14.67	31.14
%RSD	131.6	130.2	311.6	56.93	1678.	105.0
#1	.0557	.4711	.4832	.9869	14.59	11.39
#2	.1085	.3804	-.5513	.7048	2.628	65.61
#3	-.0186	-.1193	.7186	.2546	-14.60	11.98

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.978	.3276	62.06	-.0305	-1.080	2.695
Stddev	4.326	.1737	9.05	.3592	1.368	.837
%RSD	54.22	53.01	14.58	1176.	126.7	31.04
#1	12.34	.5006	70.54	-.1645	.1160	3.658
#2	3.692	.1533	63.11	.3764	-.7833	2.146
#3	7.899	.3289	52.54	-.3035	-2.572	2.282

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

Sample Name: CCB Acquired: 2/29/2016 20:49:23 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.153	1.150	-.2506	-.0265	1.059	.8289
Stddev	1.839	1.374	.1865	.1916	1.202	.4685
%RSD	58.33	119.5	74.40	724.0	113.5	56.52
#1	5.024	1.249	-.0793	-.1491	2.402	1.344
#2	3.087	2.471	-.4492	-.1246	.6877	.7155
#3	1.348	-.2715	-.2234	.1943	.0864	.4276

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	.0859	.1588	.7880	-6.354
Stddev	.4311	.0359	.2998	8.213
%RSD	501.7	22.61	38.04	129.3
#1	.5389	.1381	1.070	-6.307
#2	-.3193	.2003	.4736	-14.59
#3	.0382	.1381	.8200	1.835

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	3097.0	38329.	4723.6
Stddev	6.6	183.	13.8
%RSD	.21230	.47787	.29131
#1	3091.5	38426.	4736.6
#2	3104.3	38117.	4709.2
#3	3095.1	38443.	4725.0

Sample Name: CCVL Acquired: 2/29/2016 20:53:22 Type: QC
Method: sw02152016(v2) 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	231.8	13.51	10.01	201.7	2.252	4939.
Stddev	33.4	1.79	.19	1.4	.371	34.
%RSD	14.40	13.24	1.943	.6957	16.48	.6802
#1	270.1	11.47	9.790	200.8	2.681	4920.
#2	216.2	14.26	10.11	201.1	2.036	4919.
#3	209.0	14.81	10.14	203.3	2.039	4978.

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	4.169	52.67	10.08	24.24	164.9	4921.
Stddev	.080	.53	.45	.48	4.5	43.
%RSD	1.907	1.004	4.462	1.996	2.718	.8713
#1	4.233	52.19	10.21	24.13	162.7	4920.
#2	4.080	52.57	9.581	23.82	162.0	4879.
#3	4.194	53.24	10.45	24.77	170.1	4964.

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	4759.	15.73	4896.	41.11	9.846	20.58
Stddev	40.	.09	111.	.65	1.894	.64
%RSD	.8473	.5939	2.257	1.574	19.24	3.130
#1	4731.	15.62	5019.	41.14	9.333	20.81
#2	4740.	15.77	4805.	40.45	8.261	19.86
#3	4805.	15.79	4863.	41.74	11.94	21.08

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

Sample Name: CCVL Acquired: 2/29/2016 20:53:22 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.50	22.89	49.82	31.37	46.87	19.40
Stddev	2.95	1.18	.26	.04	1.34	.07
%RSD	15.11	5.151	.5144	.1286	2.847	.3354

#1	16.93	23.64	49.90	31.40	45.56	19.47
#2	22.72	23.50	49.53	31.38	46.83	19.35
#3	18.85	21.53	50.02	31.32	48.23	19.38

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	49.18	21.05	20.84	F 8.060
Stddev	.20	1.30	.21	12.98
%RSD	.3965	6.165	.9872	161.0

#1	48.96	22.54	20.83	4.957
#2	49.29	20.16	20.64	-3.086
#3	49.30	20.44	21.05	22.31

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	3084.0	38275.	4726.9
Stddev	15.4	80.	58.5
%RSD	.49939	.20848	1.2381

#1	3082.9	38224.	4659.7
#2	3100.0	38367.	4754.2
#3	3069.3	38234.	4766.8

Sample Name: 460-109473-A-40-B@5 Acquired: 2/29/2016 21:02:38 Type: Unk
Method: sw02152016(v2) 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	58.98	-8.063	.2036	91.85	.1708	3994.
Stddev	5.85	.5946	.1666	.17	.0493	34.
%RSD	9.912	73.74	81.86	.1810	28.88	.8422
#1	64.59	-1.207	.0512	91.95	.1365	3964.
#2	59.43	-1.231	.1780	91.66	.1485	3988.
#3	52.92	-1.089	.3815	91.95	.2273	4030.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0675	.8525	.2970	4.659	-8.127	542.8
Stddev	.0439	.0939	.5403	.175	4.750	45.7
%RSD	65.11	11.01	181.9	3.765	58.45	8.427
#1	.1095	.7560	.7869	4.509	-3.103	496.6
#2	.0219	.8581	-.2825	4.616	-12.55	588.1
#3	.0709	.9435	.3866	4.852	-8.731	543.7

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	492.5	730.4	F 271900.	1.829	8.994	2.418
Stddev	6.5	3.1	3599.	.277	1.617	.855
%RSD	1.324	.4186	1.324	15.15	17.98	35.36
#1	492.1	729.2	275700.	1.538	7.736	1.496
#2	486.1	728.2	268500.	2.089	10.82	2.571
#3	499.2	733.9	271500.	1.859	8.427	3.185

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

Sample Name: 460-109473-A-40-B@5 Acquired: 2/29/2016 21:02:38 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.430	-1.329	.1429	9.502	20.29	-.0142
Stddev	1.688	1.213	.5200	.033	.33	.1112
%RSD	49.22	91.26	363.8	.3477	1.628	782.7
#1	4.349	-1.977	-.3753	9.538	20.67	-.1186
#2	1.482	-2.079	.1394	9.494	20.14	.1028
#3	4.460	.0702	.6646	9.474	20.05	-.0268

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	.3961	26.15	.6308	368.0
Stddev	.6706	.18	.2667	4.0
%RSD	169.3	.6846	42.28	1.082
#1	-.0428	26.19	.3732	370.7
#2	1.168	25.96	.9058	363.4
#3	.0630	26.31	.6132	369.8

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	3008.1	37249.	4826.4
Stddev	3.4	171.	78.0
%RSD	.11264	.45911	1.6156
#1	3009.7	37368.	4782.4
#2	3010.4	37326.	4916.5
#3	3004.2	37053.	4780.4

Sample Name: 460-109473-A-49-B@5 Acquired: 2/29/2016 21:06:43 Type: Unk
Method: sw02152016(v2) 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	83.46	.5523	-.2510	57.37	.2753	2778.
Stddev	14.15	.8780	.1472	.58	.0313	29.
%RSD	16.95	159.0	58.66	1.005	11.36	1.026
#1	75.76	.7293	-.1469	57.02	.2670	2746.
#2	74.83	1.328	-.1866	58.04	.3099	2801.
#3	99.79	-.4007	-.4195	57.07	.2491	2786.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0733	1.160	.4502	2.147	-1.562	556.4
Stddev	.0492	.311	.5373	.166	9.114	7.1
%RSD	67.17	26.78	119.3	7.705	583.5	1.268
#1	.0177	1.049	.3620	2.312	-5.035	559.3
#2	.1114	.9207	1.026	2.149	8.778	548.3
#3	.0908	1.511	-.0376	1.981	-8.429	561.5

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	240.5	204.4	F 275400.	2.581	.8748	2.335
Stddev	6.0	1.1	1210.	.312	.8158	.351
%RSD	2.508	.5620	.4394	12.09	93.26	15.04
#1	239.9	203.3	276800.	2.941	.0464	2.540
#2	234.8	205.6	274900.	2.389	.9005	1.930
#3	246.8	204.4	274600.	2.414	1.677	2.537

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

Sample Name: 460-109473-A-49-B@5 Acquired: 2/29/2016 21:06:43 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.482	-.8597	.0625	7.186	17.07	-.1203
Stddev	2.644	.4933	.5732	.150	.21	.1062
%RSD	178.5	57.38	917.7	2.095	1.222	88.26
#1	-.4242	-1.419	.6761	7.025	17.26	-.0280
#2	.3689	-.6717	-.0296	7.323	16.84	-.0965
#3	4.501	-.4881	-.4591	7.211	17.10	-.2363

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	-.4168	29.94	.2710	207.0
Stddev	.2609	.02	.1148	20.1
%RSD	62.61	.0749	42.36	9.727
#1	-.7018	29.96	.1630	201.0
#2	-.1898	29.92	.3916	190.5
#3	-.3587	29.93	.2585	229.4

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	2976.1	37006.	4800.2
Stddev	24.1	186.	62.5
%RSD	.80908	.50162	1.3016
#1	3002.5	37218.	4858.3
#2	2955.4	36874.	4808.2
#3	2970.4	36925.	4734.1

Sample Name: 460-109473-A-60-B@5 Acquired: 2/29/2016 21:10:49 Type: Unk
Method: sw02152016(v2) 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	60.55	-2.926	.2305	64.90	.1823	7794.
Stddev	11.59	1.433	.2541	.40	.0549	44.
%RSD	19.14	48.97	110.2	.6229	30.11	.5652

#1	56.76	-2.612	.4813	64.94	.1604	7789.
#2	73.56	-4.490	-.0268	65.29	.1417	7840.
#3	51.33	-1.676	.2372	64.48	.2448	7752.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0865	4.254	.4258	2.628	25.05	514.3
Stddev	.0920	.264	.1352	.245	7.66	13.1
%RSD	106.4	6.209	31.76	9.319	30.57	2.556

#1	.1263	4.547	.5407	2.346	30.81	510.9
#2	-.0187	4.182	.2768	2.748	16.36	528.8
#3	.1519	4.034	.4599	2.790	27.97	503.1

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	2371.	343.4	F 254000.	3.038	6.763	.7772
Stddev	8.	2.2	668.	.199	.665	1.988
%RSD	.3196	.6381	.2631	6.564	9.833	255.7

#1	2366.	344.3	253800.	2.838	7.057	-1.367
#2	2380.	344.9	253400.	3.039	6.001	1.142
#3	2367.	340.9	254700.	3.237	7.230	2.557

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

Sample Name: 460-109473-A-60-B@5 Acquired: 2/29/2016 21:10:49 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.617	-.5357	-.0727	18.23	47.95	.0121
Stddev	2.465	3.086	.1929	.15	.52	.1726
%RSD	68.14	576.1	265.2	.8278	1.082	1432.
#1	.8785	-.3644	-.2527	18.05	48.29	.0488
#2	4.315	-3.704	-.0963	18.29	48.20	-.1759
#3	5.657	2.461	.1309	18.33	47.35	.1633

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	-.9661	43.21	1.645	600.9
Stddev	1.183	.29	.222	19.0
%RSD	122.4	.6633	13.52	3.161
#1	.3967	42.92	1.877	619.1
#2	-1.572	43.20	1.626	581.2
#3	-1.723	43.50	1.433	602.3

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	2990.5	36967.	4788.1
Stddev	14.6	189.	39.4
%RSD	.48840	.51254	.82295
#1	2979.8	36862.	4833.5
#2	2984.6	36853.	4763.4
#3	3007.1	37186.	4767.4

Sample Name: 460-109473-A-70-B@5 Acquired: 2/29/2016 21:14:46 Type: Unk
Method: sw02152016(v2) 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	272.9	.6404	-.2298	84.53	.2335	23200.
Stddev	20.3	2.203	.3868	1.01	.0991	206.
%RSD	7.434	344.0	168.3	1.193	42.44	.8874

#1	251.1	.9572	-.2883	83.84	.2231	22980.
#2	291.3	-1.704	-.5840	84.06	.3374	23240.
#3	276.4	2.668	.1829	85.69	.1400	23390.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.1428	1.443	.9413	2.057	61.49	592.9
Stddev	.1633	.170	.2381	.406	4.38	46.6
%RSD	114.3	11.79	25.29	19.76	7.121	7.866

#1	.0910	1.638	1.048	1.590	66.54	546.4
#2	.0118	1.320	.6685	2.249	58.89	639.7
#3	.3258	1.373	1.107	2.331	59.03	592.6

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	1371.	307.9	F 270000.	2.961	2.567	.2258
Stddev	8.	3.0	3830.	.650	1.041	.7105
%RSD	.5584	.9649	1.418	21.97	40.56	314.6

#1	1362.	304.9	265600.	2.921	3.293	-.0686
#2	1374.	308.0	271600.	2.331	3.035	1.036
#3	1376.	310.8	272800.	3.630	1.374	-.2901

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

Sample Name: 460-109473-A-70-B@5 Acquired: 2/29/2016 21:14:46 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.598	-1.251	-.0253	10.77	43.33	-.4867
Stddev	1.500	.308	.1981	.13	.60	.0998
%RSD	93.88	24.62	783.4	1.170	1.374	20.50
#1	1.159	-1.585	-.2045	10.83	43.11	-.5991
#2	.3665	-1.189	-.0588	10.63	42.88	-.4087
#3	3.269	-.9782	.1875	10.86	44.00	-.4523

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	-.5234	127.0	3.598	2341.
Stddev	.2775	1.2	.240	11.
%RSD	53.03	.9551	6.683	.4610
#1	-.5286	125.9	3.601	2332.
#2	-.7983	126.8	3.837	2353.
#3	-.2433	128.3	3.356	2339.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2973.3	36769.	4780.5
Stddev	33.8	332.	112.6
%RSD	1.1360	.90172	2.3555
#1	2996.1	37145.	4902.9
#2	2989.2	36648.	4757.3
#3	2934.5	36516.	4681.3

Sample Name: 109361-1t@2 Acquired: 2/29/2016 21:27:04 Type: Unk
Method: sw02152016(v2) 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	84.98	3.046	.0600	52.49	.4433	11690.
Stddev	10.77	1.388	.5719	.09	.0792	28.
%RSD	12.68	45.57	953.6	.1774	17.87	.2405
#1	86.46	2.244	-.2186	52.50	.3524	11720.
#2	73.54	2.245	.7177	52.57	.4978	11660.
#3	94.93	4.649	-.3192	52.39	.4798	11700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.2427	18.20	.0711	1.849	7571.	1233.
Stddev	.1214	.18	.5809	.205	12.	22.
%RSD	50.00	.9923	817.0	11.11	.1633	1.748
#1	.3810	18.21	-.2144	2.062	7577.	1258.
#2	.1935	18.02	.7395	1.652	7579.	1223.
#3	.1537	18.38	-.3118	1.832	7557.	1218.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1666.	164.1	29060.	7.258	-.6069	-.3894
Stddev	11.	.4	206.	.356	.2257	1.638
%RSD	.6681	.2408	.7092	4.904	37.19	420.8
#1	1677.	163.9	29090.	6.870	-.6811	1.064
#2	1665.	164.6	29250.	7.334	-.7861	-.0677
#3	1655.	163.9	28840.	7.570	-.3534	-2.165

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

Sample Name: 109361-1t@2 Acquired: 2/29/2016 21:27:04 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2841	2.854	.1288	31.00	22.79	.2255
Stddev	3.828	1.607	.1390	.28	.20	.1248
%RSD	1347.	56.29	107.9	.9143	.8624	55.34
#1	.4455	1.495	-.0039	31.24	22.59	.1249
#2	4.028	2.441	.1170	31.06	22.98	.1864
#3	-3.622	4.627	.2734	30.69	22.81	.3651

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	-.4870	94.22	.7267	1572.
Stddev	.7316	.08	.1174	15.
%RSD	150.2	.0805	16.15	.9288
#1	.0702	94.15	.6176	1589.
#2	-1.316	94.22	.8508	1564.
#3	-.2156	94.30	.7116	1564.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3167.0	38857.	4903.3
Stddev	20.1	232.	54.2
%RSD	.63390	.59784	1.1045
#1	3187.4	38984.	4932.8
#2	3166.2	38998.	4936.3
#3	3147.3	38589.	4840.8

Sample Name: MB 460-352921/1-A@2 Acquired: 2/29/2016 21:34:56 Type: Unk
Method: sw02152016(v2) 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	6.220	.9901	.1530	.0211	-.0015	42.68
Stddev	5.454	1.020	.2680	.0813	.1501	2.50
%RSD	87.69	103.0	175.2	385.5	9860.	5.856
#1	1.562	1.948	.3218	.0470	-.0108	40.86
#2	12.22	-.0822	-.1560	-.0700	-.1467	45.53
#3	4.879	1.104	.2931	.0863	.1530	41.66

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0872	.0293	.2951	.2614	-2.276	13.04
Stddev	.0563	.0480	.3357	.0800	5.774	22.04
%RSD	64.62	164.1	113.8	30.61	253.7	169.0
#1	.1312	.0186	-.0596	.3033	-1.257	34.40
#2	.1066	-.0125	.6078	.3117	2.921	-9.621
#3	.0237	.0817	.3371	.1691	-8.492	14.35

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.364	.0900	28.77	-.0488	-.4158	1.173
Stddev	3.009	.0409	15.52	.2342	.9631	.976
%RSD	127.3	45.43	53.95	479.5	231.6	83.24
#1	-3.950	.0482	43.16	.0269	-.8735	2.272
#2	-4.248	.0919	30.82	-.3115	-1.065	.8408
#3	1.106	.1299	12.33	.1381	.6908	.4058

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

Sample Name: MB 460-352921/1-A@2 Acquired: 2/29/2016 21:34:56 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2719	.8719	-.3233	.7080	-.8256	-.1885
Stddev	1.316	.7542	.0376	.2629	.2305	.1398
%RSD	484.0	86.50	11.62	37.14	27.92	74.19
#1	-.2047	.1503	-.3025	.9765	-1.036	-.1745
#2	1.009	1.655	-.3008	.6965	-.5794	-.0562
#3	-1.620	.8104	-.3667	.4510	-.8612	-.3348

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	-.4662	.0768	-.0517	11.09
Stddev	.4552	.1722	.0936	12.32
%RSD	97.64	224.2	180.9	111.1
#1	-.8066	.0799	-.0714	-2.793
#2	-.6429	.2474	-.1339	20.71
#3	.0508	-.0969	.0501	15.35

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	3114.2	38422.	4784.9
Stddev	10.3	127.	51.6
%RSD	.33084	.32970	1.0790
#1	3102.4	38360.	4725.4
#2	3121.5	38568.	4812.2
#3	3118.6	38339.	4817.3

Sample Name: CCV Acquired: 2/29/2016 21:42:37 Type: QC
Method: sw02152016(v2) 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	129100.	2242.	1204.	9301.	1021.	117000.
Stddev	533.	4.	3.	13.	3.	222.
%RSD	.4128	.1967	.2136	.1348	.3288	.1894

#1	128500.	2243.	1201.	9287.	1017.	116700.
#2	129100.	2237.	1206.	9307.	1021.	117200.
#3	129600.	2246.	1205.	9310.	1024.	117100.

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	1176.	2388.	4639.	11760.	98510.	48890.
Stddev	1.	3.	11.	37.	215.	211.
%RSD	.0650	.1240	.2312	.3118	.2186	.4311

#1	1176.	2385.	4628.	11720.	98460.	48750.
#2	1177.	2390.	4642.	11760.	98750.	48790.
#3	1175.	2389.	4649.	11800.	98330.	49130.

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	112600.	4802.	117300.	2313.	6846.	932.1
Stddev	157.	8.	516.	4.	9.	1.4
%RSD	.1397	.1670	.4397	.1716	.1371	.1482

#1	112500.	4792.	117100.	2309.	6837.	930.6
#2	112700.	4807.	117000.	2317.	6845.	933.3
#3	112800.	4805.	117900.	2313.	6856.	932.3

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

Sample Name: CCV Acquired: 2/29/2016 21:42:37 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2246.	2469.	2391.	2461.	901.7	2331.
Stddev	6.	1.	7.	4.	1.8	6.
%RSD	.2882	.0216	.2816	.1552	.1967	.2528

#1	2253.	2468.	2384.	2461.	900.0	2326.
#2	2240.	2469.	2397.	2464.	901.5	2331.
#3	2246.	2468.	2391.	2456.	903.6	2338.

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	930.0	4924.	9974.	9306.
Stddev	.6	14.	103.	80.
%RSD	.0649	.2758	1.030	.8621

#1	930.5	4920.	9952.	9275.
#2	929.3	4913.	10090.	9247.
#3	930.3	4939.	9884.	9398.

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	2922.0	36470.	4677.4
Stddev	12.5	50.	39.4
%RSD	.42819	.13751	.84225

#1	2936.5	36524.	4701.4
#2	2915.2	36425.	4631.9
#3	2914.4	36461.	4698.8

Sample Name: 460-109435-A-1-C@5 Acquired: 2/29/2016 21:18:51 Type: Unk
Method: sw02152016(v2) 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	215.0	2.174	.2095	31.45	-.1060	83650.
Stddev	5.4	2.660	.1860	.10	.0863	229.
%RSD	2.514	122.4	88.77	.3286	81.42	.2738
#1	219.9	2.001	.0047	31.41	-.0569	83610.
#2	209.2	4.916	.3679	31.38	-.2057	83440.
#3	216.0	-.3959	.2559	31.57	-.0554	83900.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0146	1.974	-.5085	.9000	-5.237	982.3
Stddev	.0406	.083	.2269	.1227	3.602	12.4
%RSD	277.6	4.222	44.62	13.64	68.78	1.257
#1	.0317	1.992	-.5828	.8670	-8.479	983.4
#2	-.0317	2.047	-.2537	1.036	-5.874	969.5
#3	.0440	1.883	-.6889	.7971	-1.359	994.1

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	2080.	44.69	F 297600.	11.29	107.3	-.3748
Stddev	11.	.08	5094.	.09	1.8	1.489
%RSD	.5514	.1787	1.712	.7803	1.642	397.3
#1	2072.	44.72	303400.	11.21	106.5	-.5378
#2	2075.	44.60	295400.	11.28	106.1	-1.776
#3	2093.	44.74	294000.	11.38	109.3	1.189

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

Sample Name: 460-109435-A-1-C@5 Acquired: 2/29/2016 21:18:51 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4956	-1.559	-.0929	F 46940.	39.65	-6.539
Stddev	1.819	.676	.2310	114.	.16	.345
%RSD	366.9	43.37	248.6	.2419	.4012	5.275
#1	-1.629	-1.201	.1177	46920.	39.70	-6.398
#2	-1.460	-1.137	-.0564	46830.	39.78	-6.932
#3	1.602	-2.339	-.3400	47060.	39.47	-6.286
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	.7582	290.4	1.879	430.0
Stddev	.1730	3.4	.074	9.1
%RSD	22.82	1.167	3.962	2.107
#1	.8231	294.3	1.853	436.0
#2	.5621	288.7	1.963	434.4
#3	.8893	288.2	1.822	419.6
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	2918.6	35947.	4623.4
Stddev	6.4	127.	41.0
%RSD	.21918	.35466	.88716
#1	2919.7	35990.	4578.6
#2	2924.4	36048.	4659.2
#3	2911.7	35804.	4632.3

Sample Name: 460-109295-G-3-C@4 Acquired: 2/29/2016 21:58:08 Type: Unk
Method: sw02152016(v2) 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	52090.	238.4	2.778	122.0	4.836	1642.
Stddev	261.	1.5	.584	.6	.074	4.
%RSD	.5006	.6470	21.03	.5017	1.526	.2250
#1	52370.	236.8	3.217	121.3	4.917	1638.
#2	52050.	238.7	3.002	122.5	4.774	1642.
#3	51850.	239.9	2.115	122.1	4.817	1646.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-1.539	38.76	87.29	50.80	144100.	3529.
Stddev	.090	.51	.10	.41	326.	39.
%RSD	5.849	1.317	.1100	.8036	.2262	1.109
#1	-1.451	38.18	87.21	50.75	143700.	3508.
#2	-1.536	39.12	87.39	50.41	144200.	3505.
#3	-1.631	38.99	87.25	51.23	144400.	3574.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4269.	993.0	84.61	55.81	47.59	5.856
Stddev	14.	1.5	5.80	.22	.15	.173
%RSD	.3388	.1478	6.859	.3930	.3239	2.947
#1	4255.	991.9	90.41	55.75	47.49	5.978
#2	4284.	994.7	78.80	56.05	47.77	5.659
#3	4269.	992.5	84.62	55.63	47.52	5.931

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

Sample Name: 460-109295-G-3-C@4 Acquired: 2/29/2016 21:58:08 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.242	-3.418	129.8	148.1	5.791	2.371
Stddev	3.553	.982	.2	.5	.363	.125
%RSD	49.06	28.74	.1820	.3238	6.271	5.290
#1	9.831	-4.057	129.8	147.6	6.162	2.506
#2	8.704	-2.287	129.6	148.4	5.436	2.349
#3	3.192	-3.910	130.1	148.5	5.774	2.259

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	5.005	15.59	1258.	1133.
Stddev	1.263	.04	1.	19.
%RSD	25.23	.2696	.0665	1.671
#1	6.342	15.61	1259.	1113.
#2	3.833	15.61	1259.	1151.
#3	4.839	15.54	1257.	1134.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3191.5	39893.	5014.9
Stddev	7.9	126.	49.7
%RSD	.24855	.31600	.99127
#1	3193.6	39751.	4960.5
#2	3182.7	39936.	5026.2
#3	3198.1	39992.	5057.9

Sample Name: LB 460-352992/1-B@5 Acquired: 2/29/2016 21:22:55 Type: Unk
Method: sw02152016(v2) 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	6.520	-1.361	-.2944	.0750	-.1116	48.21
Stddev	25.15	1.179	.2871	.0766	.0703	3.21
%RSD	385.7	86.59	97.53	102.2	63.00	6.667
#1	34.84	-.7417	-.0456	.1280	-.1919	51.82
#2	-2.060	-.6218	-.2290	-.0129	-.0820	45.66
#3	-13.22	-2.721	-.6086	.1099	-.0610	47.15

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0063	-.1455	-.2040	.6547	-7.177	43.68
Stddev	.1258	.0903	.2085	.2208	1.168	50.83
%RSD	2010.	62.04	102.2	33.73	16.27	116.4
#1	.0761	-.2279	-.0935	.5604	-6.498	-8.599
#2	.0562	-.0490	-.0741	.4966	-8.525	46.71
#3	-.1511	-.1597	-.4445	.9070	-6.507	92.93

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	1.986	.0847	F 266700.	.9511	.2327	.8719
Stddev	2.322	.0139	1312.	.4216	1.526	.8847
%RSD	116.9	16.43	.4918	44.32	655.6	101.5
#1	2.905	.0687	267700.	1.429	.4595	1.761
#2	3.709	.0920	267200.	.6324	-1.394	-.0083
#3	-.6549	.0935	265200.	.7919	1.633	.8631

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

Sample Name: LB 460-352992/1-B@5 Acquired: 2/29/2016 21:22:55 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.008	-.4211	-.1380	3.107	.7510	-.2421
Stddev	2.175	2.345	.3181	.953	.6440	.1970
%RSD	108.4	556.8	230.6	30.68	85.75	81.39
#1	1.791	-2.947	-.3888	4.202	.8944	-.0787
#2	4.283	-.0044	-.2450	2.457	1.311	-.4609
#3	-.0512	1.688	.2199	2.663	.0474	-.1867

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	-.2639	-.0179	.0532	3.508
Stddev	.3081	.0604	.1937	3.139
%RSD	116.7	337.9	363.9	89.48
#1	-.5379	.0186	.2612	5.863
#2	.0696	-.0875	-.1222	4.718
#3	-.3233	.0154	.0207	-.0557

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2985.1	36806.	4726.4
Stddev	14.6	60.	38.2
%RSD	.48817	.16210	.80831
#1	2980.9	36800.	4738.1
#2	2973.1	36749.	4757.4
#3	3001.3	36868.	4683.8

Sample Name: 109361-1d@2 Acquired: 2/29/2016 21:31:00 Type: Unk
Method: sw02152016(v2) 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	46.45	3.723	-.0078	59.79	.2783	12560.
Stddev	16.28	.968	.4437	.30	.1085	71.
%RSD	35.04	25.99	5660.	.5066	39.00	.5677
#1	65.24	2.625	-.4918	60.13	.1874	12630.
#2	36.72	4.090	.0883	59.54	.3985	12560.
#3	37.38	4.453	.3799	59.71	.2490	12480.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.1309	16.47	-.0145	.9889	8763.	1195.
Stddev	.1804	.05	.1703	.1984	68.	47.
%RSD	137.8	.3037	1171.	20.07	.7740	3.927
#1	.0479	16.41	-.0075	.8292	8805.	1203.
#2	.0070	16.51	.1521	1.211	8799.	1237.
#3	.3379	16.47	-.1883	.9265	8684.	1144.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1508.	197.6	22120.	7.774	.6903	1.015
Stddev	12.	1.1	33.	.220	.6135	.361
%RSD	.8161	.5750	.1512	2.826	88.87	35.57
#1	1519.	198.3	22080.	7.553	.5986	.6967
#2	1509.	198.2	22130.	7.992	1.345	1.408
#3	1495.	196.3	22150.	7.779	.1279	.9414

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

Sample Name: 109361-1d@2 Acquired: 2/29/2016 21:31:00 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8469	1.140	.2408	36.61	24.50	-.0547
Stddev	2.885	.817	.2984	.45	.42	.1024
%RSD	340.7	71.69	123.9	1.217	1.731	187.1
#1	-2.440	.4160	-.0997	37.07	24.98	.0513
#2	2.959	.9779	.4573	36.18	24.31	-.0625
#3	2.023	2.026	.3648	36.58	24.20	-.1531

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	-.2458	101.2	.8017	1257.
Stddev	1.000	.5	.1233	10.
%RSD	407.1	.4850	15.38	.7631
#1	.8385	101.4	.9440	1253.
#2	-1.133	101.6	.7347	1268.
#3	-.4425	100.7	.7264	1250.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3092.6	38066.	4697.7
Stddev	4.8	270.	24.8
%RSD	.15656	.70865	.52741
#1	3098.0	38056.	4678.5
#2	3088.7	37802.	4689.0
#3	3091.0	38341.	4725.7

Sample Name: pds 460-109295-G-3-C Acquired: 2/29/2016 22:09:55 Type: Unk
Method: sw02152016(v2) 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	53060.	1978.	48.12	1984.	55.72	20070.
Stddev	355.	7.	.70	9.	.18	163.
%RSD	.6692	.3295	1.456	.4290	.3262	.8094

#1	52690.	1979.	47.41	1976.	55.58	19890.
#2	53390.	1971.	48.82	1983.	55.65	20140.
#3	53090.	1984.	48.14	1993.	55.93	20200.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	45.12	521.8	279.3	279.9	141000.	20960.
Stddev	.13	1.7	2.4	1.0	908.	170.
%RSD	.2958	.3304	.8712	.3522	.6437	.8102

#1	45.08	519.9	276.6	278.9	140000.	20850.
#2	45.27	522.1	281.4	280.8	141200.	21160.
#3	45.01	523.3	279.8	279.9	141800.	20880.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21490.	1456.	18470.	535.2	516.7	446.2
Stddev	153.	7.	100.	2.5	1.4	2.3
%RSD	.7114	.4485	.5434	.4727	.2613	.5194

#1	21320.	1449.	18380.	532.9	516.3	447.7
#2	21540.	1457.	18580.	534.8	518.2	447.4
#3	21610.	1462.	18440.	537.9	515.7	443.5

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

Sample Name: pds 460-109295-G-3-C Acquired: 2/29/2016 22:09:55 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1793.	2018.	605.5	649.1	452.0	466.8
Stddev	5.	10.	4.0	5.0	2.0	3.0
%RSD	.2642	.5089	.6650	.7713	.4449	.6441
#1	1789.	2007.	601.2	643.4	450.2	463.4
#2	1792.	2020.	609.1	651.0	451.6	467.9
#3	1798.	2028.	606.2	652.9	454.2	469.0

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	478.1	496.7	1739.	1152.
Stddev	2.7	2.2	2.	22.
%RSD	.5661	.4502	.1074	1.933
#1	475.6	496.4	1738.	1130.
#2	477.7	499.0	1738.	1152.
#3	480.9	494.6	1741.	1174.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3160.0	39238.	4941.4
Stddev	22.4	479.	65.2
%RSD	.70948	1.2205	1.3202
#1	3185.9	39784.	5016.6
#2	3148.0	39045.	4907.2
#3	3146.2	38887.	4900.3

Sample Name: 460-109317-E-1-A@4 Acquired: 2/29/2016 22:21:14 Type: Unk
Method: sw02152016(v2) 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	48980.	28.04	2.142	487.2	2.661	191700.
Stddev	396.	2.04	.231	1.1	.020	1165.
%RSD	.8083	7.266	10.80	.2335	.7630	.6079

#1	48660.	29.99	1.898	485.9	2.672	190600.
#2	48870.	25.93	2.169	487.6	2.638	191600.
#3	49420.	28.21	2.359	488.0	2.674	192900.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.5411	26.79	105.3	114.6	68980.	5851.
Stddev	.0429	.20	.7	1.1	440.	34.
%RSD	7.934	.7433	.6794	.9681	.6378	.5732

#1	.5693	26.56	104.5	113.5	68560.	5817.
#2	.4917	26.89	105.7	114.6	68950.	5855.
#3	.5623	26.93	105.7	115.8	69440.	5883.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27100.	1007.	1226.	57.37	1170.	1.658
Stddev	135.	5.	16.	.24	2.	1.485
%RSD	.4971	.5413	1.268	.4163	.1853	89.55

#1	27020.	1001.	1218.	57.24	1167.	.4033
#2	27020.	1007.	1217.	57.24	1171.	3.297
#3	27250.	1012.	1244.	57.65	1170.	1.274

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

Sample Name: 460-109317-E-1-A@4 Acquired: 2/29/2016 22:21:14 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8285	-.9212	114.4	576.6	40.51	3.516
Stddev	4.376	1.163	.9	3.7	.82	.223
%RSD	528.1	126.2	.8258	.6416	2.030	6.335
#1	-2.432	.4199	113.3	572.3	40.93	3.593
#2	-.8831	-1.536	114.7	578.6	41.03	3.265
#3	5.801	-1.648	115.1	578.8	39.56	3.690

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	46.03	706.5	1666.	2175.
Stddev	.65	2.3	12.	15.
%RSD	1.408	.3304	.7185	.6875
#1	46.21	704.2	1653.	2192.
#2	46.57	706.3	1669.	2168.
#3	45.31	708.9	1676.	2165.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3096.1	38124.	4885.0
Stddev	4.7	169.	43.3
%RSD	.15053	.44393	.88613
#1	3100.7	38233.	4928.6
#2	3096.2	38210.	4884.5
#3	3091.4	37929.	4842.0

Sample Name: CCV Acquired: 2/29/2016 22:32:46 Type: QC
Method: sw02152016(v2) 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	131000.	2293.	1228.	9516.	1039.	120800.
Stddev	305.	8.	3.	38.	3.	30.
%RSD	.2327	.3620	.2343	.3987	.2610	.0252

#1	130900.	2285.	1227.	9474.	1037.	120800.
#2	130700.	2302.	1231.	9548.	1038.	120800.
#3	131300.	2291.	1226.	9524.	1042.	120800.

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	1206.	2442.	4760.	11970.	101600.	49900.
Stddev	4.	9.	11.	4.	157.	69.
%RSD	.2924	.3675	.2223	.0367	.1541	.1392

#1	1203.	2432.	4752.	11970.	101700.	49860.
#2	1210.	2450.	4755.	11980.	101700.	49850.
#3	1207.	2443.	4772.	11970.	101400.	49980.

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	116200.	4927.	120000.	2368.	7026.	950.3
Stddev	5.	4.	318.	9.	25.	1.0
%RSD	.0046	.0758	.2650	.3804	.3589	.1061

#1	116200.	4923.	119700.	2360.	6998.	950.1
#2	116200.	4927.	120000.	2378.	7047.	951.4
#3	116200.	4930.	120300.	2368.	7034.	949.4

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

Sample Name: CCV Acquired: 2/29/2016 22:32:46 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2305.	2522.	2446.	2532.	918.8	2384.
Stddev	2.	11.	.	12.	2.1	9.
%RSD	.0943	.4243	.0106	.4837	.2255	.3985
#1	2304.	2510.	2446.	2519.	916.4	2373.
#2	2307.	2531.	2446.	2543.	919.6	2391.
#3	2303.	2526.	2445.	2534.	920.3	2386.

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	954.8	5020.	10220.	9468.
Stddev	5.0	11.	69.	28.
%RSD	.5246	.2288	.6751	.2991
#1	950.9	5011.	10280.	9435.
#2	960.4	5016.	10230.	9482.
#3	953.0	5033.	10140.	9487.

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	2893.1	35924.	4597.3
Stddev	31.9	264.	61.6
%RSD	1.1035	.73494	1.3409
#1	2929.5	36203.	4664.8
#2	2879.7	35891.	4583.4
#3	2870.0	35679.	4543.9

Sample Name: 460-109317-E-4-A@4 Acquired: 2/29/2016 22:44:25 Type: Unk
Method: sw02152016(v2) 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	40140.	25.99	2.217	435.1	2.381	F 300900.
Stddev	462.	.92	.377	1.7	.090	1627.
%RSD	1.150	3.557	16.98	.3902	3.768	.5408
#1	39770.	26.89	1.855	433.3	2.457	299200.
#2	40000.	26.05	2.606	435.4	2.404	300900.
#3	40660.	25.04	2.190	436.6	2.282	302500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.076	20.97	90.15	89.42	62790.	6336.
Stddev	.101	.13	.59	.18	417.	40.
%RSD	9.390	.6403	.6564	.1971	.6636	.6344
#1	1.091	20.94	90.03	89.63	62340.	6290.
#2	1.170	20.85	89.64	89.34	62850.	6357.
#3	.9690	21.12	90.80	89.30	63170.	6361.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	134000.	1062.	951.0	46.30	581.6	1.632
Stddev	454.	5.	14.6	.37	2.0	1.021
%RSD	.3384	.5115	1.539	.7941	.3405	62.53
#1	133500.	1056.	934.2	45.92	582.7	2.298
#2	134200.	1062.	959.0	46.65	579.3	2.141
#3	134400.	1067.	960.0	46.34	582.8	.4570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-109317-E-4-A@4 Acquired: 2/29/2016 22:44:25 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.101	-1.495	104.4	548.2	23.23	4.421
Stddev	3.028	1.331	.4	4.2	.53	.098
%RSD	144.1	89.07	.3653	.7675	2.296	2.208
#1	-0.2208	.0136	104.6	544.4	23.61	4.507
#2	.9978	-2.506	103.9	547.6	22.62	4.315
#3	5.526	-1.992	104.6	552.7	23.45	4.442

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	74.40	621.7	1550.	2098.
Stddev	.93	4.4	11.	46.
%RSD	1.247	.7109	.7337	2.213
#1	74.02	617.0	1538.	2140.
#2	73.72	622.4	1551.	2104.
#3	75.45	625.8	1560.	2048.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3031.3	37743.	4963.0
Stddev	15.5	315.	19.6
%RSD	.51119	.83454	.39566
#1	3014.1	37380.	4974.0
#2	3044.2	37943.	4974.7
#3	3035.7	37907.	4940.4

Sample Name: 460-109384-E-2-A@4 Acquired: 2/29/2016 22:52:05 Type: Unk
Method: sw02152016(v2) 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	54230.	43.50	3.563	558.9	3.235	10850.
Stddev	170.	2.07	.367	5.2	.033	58.
%RSD	.3136	4.761	10.30	.9273	1.027	.5333

#1	54060.	42.45	3.977	553.1	3.261	10800.
#2	54400.	45.88	3.280	560.6	3.246	10850.
#3	54230.	42.16	3.432	563.1	3.198	10910.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-1.209	35.00	104.5	82.96	105200.	4189.
Stddev	.102	.28	.8	.35	632.	28.
%RSD	8.424	.8055	.7785	.4267	.6006	.6772

#1	-1.324	34.71	104.0	82.72	104600.	4168.
#2	-1.171	35.27	104.1	82.79	105100.	4177.
#3	-1.131	35.02	105.4	83.37	105800.	4221.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9072.	1131.	259.3	56.32	1738.	3.789
Stddev	71.	7.	9.5	.60	17.	2.298
%RSD	.7835	.5749	3.655	1.071	.9714	60.65

#1	9008.	1124.	252.1	55.65	1724.	4.824
#2	9059.	1131.	255.7	56.82	1733.	5.388
#3	9148.	1138.	270.0	56.51	1756.	1.156

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

Sample Name: 460-109384-E-2-A@4 Acquired: 2/29/2016 22:52:05 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.50	-1.981	154.0	210.2	10.25	6.815
Stddev	2.10	.850	1.2	1.4	.32	.088
%RSD	18.26	42.88	.7848	.6648	3.112	1.296
#1	10.13	-1.082	152.8	209.1	10.45	6.915
#2	13.92	-2.091	154.1	209.8	9.881	6.784
#3	10.45	-2.771	155.2	211.8	10.41	6.747

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	30.95	101.6	1535.	866.2
Stddev	.88	.6	8.	28.3
%RSD	2.837	.6211	.5509	3.270
#1	31.72	101.1	1527.	843.3
#2	29.99	101.3	1534.	857.5
#3	31.12	102.3	1544.	897.9

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	3308.6	40912.	5185.0
Stddev	12.1	346.	79.8
%RSD	.36534	.84481	1.5390
#1	3294.7	40521.	5107.0
#2	3315.7	41040.	5181.4
#3	3315.5	41176.	5266.5

Sample Name: 460-109384-E-3-A@4 Acquired: 2/29/2016 22:55:54 Type: Unk
Method: sw02152016(v2) 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	70470.	36.58	2.159	335.8	4.726	24730.
Stddev	262.	1.90	.334	1.1	.106	84.
%RSD	.3722	5.188	15.46	.3300	2.235	.3405
#1	70170.	38.18	2.123	334.5	4.779	24630.
#2	70610.	34.48	2.510	336.2	4.605	24760.
#3	70640.	37.07	1.845	336.6	4.795	24790.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-1.686	44.52	132.0	62.63	116100.	6083.
Stddev	.026	.49	.6	.53	602.	45.
%RSD	1.552	1.099	.4689	.8515	.5180	.7386
#1	-1.711	43.97	131.4	62.76	115400.	6031.
#2	-1.690	44.93	132.7	63.08	116300.	6107.
#3	-1.659	44.65	131.9	62.04	116600.	6110.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12640.	814.7	414.7	67.03	95.61	1.893
Stddev	48.	2.3	5.0	.27	1.29	.239
%RSD	.3818	.2832	1.213	.4075	1.350	12.65
#1	12590.	812.0	419.6	67.21	97.07	1.666
#2	12680.	815.7	409.5	66.71	95.16	2.143
#3	12640.	816.3	414.9	67.16	94.61	1.870

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

Sample Name: 460-109384-E-3-A@4 Acquired: 2/29/2016 22:55:54 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.627	-2.400	185.9	184.6	14.07	3.200
Stddev	.279	1.114	.1	1.3	.49	.033
%RSD	6.038	46.44	.0368	.6883	3.501	1.021
#1	4.656	-1.140	185.9	183.2	13.64	3.164
#2	4.891	-3.257	185.9	184.9	14.61	3.229
#3	4.334	-2.802	185.8	185.7	13.97	3.206

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	9.125	93.91	2428.	992.1
Stddev	.100	.09	5.	16.3
%RSD	1.096	.1007	.2251	1.642
#1	9.045	93.85	2422.	1006.
#2	9.093	93.87	2433.	974.0
#3	9.237	94.02	2428.	996.7

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	3402.6	41817.	5290.1
Stddev	2.1	50.	20.6
%RSD	.06025	.11964	.38899
#1	3402.7	41786.	5274.9
#2	3400.5	41874.	5281.9
#3	3404.6	41789.	5313.5

Sample Name: LCSSRM 460-352921/2- Acquired: 2/29/2016 21:38:55 Type: Unk
Method: sw02152016(v2) 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	37830.	415.6	183.9	1419.	318.9	29000.
Stddev	112.	3.8	1.1	3.	.3	23.
%RSD	.2955	.9118	.5857	.2389	.1046	.0808

#1	37910.	419.7	184.7	1419.	318.7	29000.
#2	37880.	412.2	182.7	1423.	318.7	29030.
#3	37700.	415.0	184.3	1416.	319.3	28980.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	667.9	780.5	825.9	478.7	70370.	11480.
Stddev	1.9	3.2	2.3	1.3	115.	38.
%RSD	.2843	.4081	.2738	.2808	.1633	.3327

#1	668.1	781.3	823.3	480.3	70250.	11520.
#2	669.7	783.2	827.3	478.1	70380.	11450.
#3	665.9	777.0	827.2	477.8	70480.	11470.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11110.	1902.	11280.	700.9	592.8	267.0
Stddev	29.	2.	7.	2.7	3.2	.6
%RSD	.2628	.0903	.0641	.3921	.5347	.2089

#1	11140.	1901.	11280.	700.6	592.2	267.6
#2	11110.	1904.	11290.	703.7	596.2	266.5
#3	11080.	1901.	11280.	698.2	589.9	267.0

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

Sample Name: LCSSRM 460-352921/2- Acquired: 2/29/2016 21:38:55 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	657.9	903.5	449.5	923.7	583.8	743.0
Stddev	4.3	2.6	1.0	3.6	1.3	2.8
%RSD	.6582	.2834	.2176	.3922	.2242	.3801
#1	662.9	905.1	449.1	921.7	584.2	743.0
#2	656.0	904.9	450.6	927.9	585.0	745.9
#3	654.8	900.6	448.8	921.5	582.4	740.2

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	458.9	406.8	1977.	1239.
Stddev	2.5	1.4	3.	34.
%RSD	.5472	.3439	.1289	2.705
#1	458.4	408.1	1974.	1275.
#2	461.6	407.0	1979.	1236.
#3	456.6	405.4	1979.	1208.

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	3205.8	39796.	4998.8
Stddev	11.2	157.	13.3
%RSD	.34976	.39367	.26576
#1	3198.3	39688.	5009.0
#2	3200.4	39725.	4983.8
#3	3218.6	39976.	5003.6

Sample Name: 460-109384-E-5-A@4 Acquired: 2/29/2016 23:03:35 Type: Unk
Method: sw02152016(v2) 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	75900.	21.84	2.404	256.2	2.589	7537.
Stddev	401.	.35	.424	.9	.055	44.
%RSD	.5283	1.591	17.62	.3584	2.126	.5775
#1	75630.	21.53	2.280	255.2	2.650	7542.
#2	75710.	21.76	2.056	257.0	2.577	7578.
#3	76360.	22.21	2.876	256.4	2.542	7491.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-1.775	21.65	134.3	29.66	119300.	4686.
Stddev	.209	.10	.8	.11	499.	58.
%RSD	11.78	.4445	.6294	.3562	.4184	1.238
#1	-1.828	21.54	134.9	29.68	118800.	4621.
#2	-1.952	21.73	134.5	29.76	119700.	4704.
#3	-1.544	21.67	133.3	29.55	119500.	4733.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14380.	390.1	150.6	56.31	45.30	1.824
Stddev	31.	.6	6.0	.54	1.86	1.701
%RSD	.2151	.1642	3.956	.9619	4.095	93.29
#1	14380.	389.4	143.7	55.70	44.27	.7521
#2	14420.	390.7	154.4	56.73	47.44	.9333
#3	14360.	390.2	153.6	56.49	44.19	3.785

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

Sample Name: 460-109384-E-5-A@4 Acquired: 2/29/2016 23:03:35 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.619	-3.454	151.1	213.3	4.644	1.533
Stddev	2.437	.495	.3	.6	.256	.313
%RSD	43.37	14.32	.1800	.2716	5.519	20.39
#1	3.793	-3.815	151.3	212.8	4.927	1.223
#2	8.386	-3.657	151.3	213.2	4.426	1.848
#3	4.678	-2.891	150.8	214.0	4.579	1.528

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	5.295	59.87	1456.	947.9
Stddev	.897	.14	6.	7.5
%RSD	16.95	.2333	.4217	.7868
#1	6.109	59.84	1454.	955.0
#2	5.444	59.75	1452.	948.5
#3	4.333	60.02	1463.	940.1

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	3235.5	39622.	4904.2
Stddev	21.5	492.	10.5
%RSD	.66475	1.2429	.21415
#1	3216.0	39257.	4896.2
#2	3231.9	39427.	4916.1
#3	3258.6	40182.	4900.4

Sample Name: 460-109384-E-6-A@4 Acquired: 2/29/2016 23:07:27 Type: Unk
Method: sw02152016(v2) 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	44910.	8.414	1.099	169.5	2.110	2331.
Stddev	161.	1.053	.163	.5	.110	24.
%RSD	.3572	12.51	14.79	.2855	5.198	1.050

#1	44740.	7.674	.9478	169.4	2.221	2303.
#2	45050.	9.620	1.079	169.1	2.002	2343.
#3	44960.	7.949	1.271	170.1	2.105	2347.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-1.057	18.85	76.59	44.56	64590.	3885.
Stddev	.029	.30	.36	.17	399.	39.
%RSD	2.705	1.614	.4705	.3869	.6175	1.000

#1	-1.037	19.06	76.18	44.37	64130.	3847.
#2	-1.045	19.00	76.79	44.60	64880.	3924.
#3	-1.090	18.50	76.81	44.71	64750.	3884.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6224.	312.5	173.8	62.36	23.66	4.184
Stddev	41.	1.9	9.8	.45	2.08	1.354
%RSD	.6629	.5995	5.624	.7277	8.799	32.36

#1	6182.	310.8	185.0	61.84	25.70	2.935
#2	6264.	314.5	167.0	62.54	23.73	5.623
#3	6226.	312.2	169.4	62.69	21.54	3.995

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

Sample Name: 460-109384-E-6-A@4 Acquired: 2/29/2016 23:07:27 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.026	-1.196	79.47	109.9	3.363	2.491
Stddev	1.614	.956	.81	.8	.472	.258
%RSD	53.34	79.92	1.016	.7015	14.03	10.34
#1	2.558	-2.297	78.56	109.2	2.821	2.672
#2	1.697	-.5827	80.10	109.7	3.681	2.605
#3	4.822	-.7079	79.75	110.7	3.586	2.196

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	3.686	28.72	935.2	911.4
Stddev	.240	.21	5.3	15.5
%RSD	6.508	.7145	.5658	1.697
#1	3.963	28.49	930.7	925.1
#2	3.545	28.80	941.0	894.6
#3	3.550	28.88	933.8	914.4

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	3177.5	38911.	4806.5
Stddev	11.4	254.	79.2
%RSD	.35733	.65191	1.6478
#1	3165.4	39144.	4895.8
#2	3179.2	38640.	4778.5
#3	3187.9	38949.	4745.0

Sample Name: CCB Acquired: 2/29/2016 21:46:21 Type: QC
Method: sw02152016(v2) 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	1.305	.7861	-.0338	2.848	-.0842	38.06
Stddev	13.36	1.778	.3960	4.102	.1331	5.38
%RSD	1024.	226.1	1171.	144.0	158.1	14.13

#1	1.466	1.856	.3697	.9463	-.1527	37.34
#2	-12.14	1.768	-.0494	7.556	-.1690	43.76
#3	14.59	-1.266	-.4217	.0427	.0692	33.08

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.4624	.8630	.3632	.2607	-2.456	-7.037
Stddev	.7382	1.320	.4962	.2211	7.275	14.45
%RSD	159.6	153.0	136.6	84.80	296.2	205.4

#1	.1124	.1540	.3658	.4989	-10.71	8.916
#2	1.310	2.386	.8580	.0621	3.034	-10.77
#3	-.0357	.0487	-.1343	.2211	.3048	-19.26

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	2.763	.1300	16.31	.8525	1.905	1.524
Stddev	2.010	.0587	14.77	1.449	2.890	1.546
%RSD	72.74	45.19	90.58	170.0	151.7	101.4

#1	1.142	.1954	30.96	-.4789	1.080	3.166
#2	5.012	.0817	16.54	2.396	5.118	1.311
#3	2.136	.1128	1.422	.6402	-.4829	.0961

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

Sample Name: CCB Acquired: 2/29/2016 21:46:21 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.342	.8784	-.1493	.5597	.8762	1.749
Stddev	.175	1.876	.2332	1.086	.4644	1.235
%RSD	4.027	213.6	156.2	194.0	53.00	70.59
#1	4.542	-.5916	-.4078	.0038	.8679	1.931
#2	4.218	2.992	.0451	1.811	1.345	2.883
#3	4.266	.2348	-.0853	-.1355	.4160	.4336

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	.4781	.0048	.2552	12.71
Stddev	.6917	.0561	.0760	5.29
%RSD	144.7	1163.	29.78	41.62
#1	.3324	-.0513	.3428	18.35
#2	1.231	.0049	.2166	11.90
#3	-.1292	.0609	.2063	7.868

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	3053.3	38241.	4676.8
Stddev	1.6	170.	42.9
%RSD	.05236	.44354	.91679
#1	3052.1	38335.	4706.6
#2	3052.7	38343.	4627.7
#3	3055.1	38045.	4696.2

Sample Name: CCB Acquired: 2/29/2016 23:26:40 Type: QC
Method: sw02152016(v2) 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	10.78	-.3168	.0524	1.246	.0497	46.22
Stddev	11.53	1.274	.7952	1.243	.0341	4.14
%RSD	107.0	402.2	1518.	99.81	68.66	8.950

#1	23.82	.6701	-.0578	.6925	.0436	50.86
#2	6.544	-1.755	-.6820	.3752	.0191	42.92
#3	1.961	.1348	.8968	2.670	.0865	44.88

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0862	.1409	.0885	1.075	7.581	21.91
Stddev	.2444	.5371	.3661	.198	4.786	36.79
%RSD	283.4	381.0	413.5	18.40	63.13	167.9

#1	.1143	-.3072	.5103	1.301	8.461	51.52
#2	-.1710	-.0062	-.0985	.9383	2.416	33.48
#3	.3154	.7362	-.1462	.9843	11.87	-19.27

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	4.591	.2583	-6.383	.5861	-.7402	2.165
Stddev	8.654	.0931	2.007	.8153	1.059	1.361
%RSD	188.5	36.05	31.44	139.1	143.0	62.88

#1	14.57	.3637	-4.323	-.1153	-.7464	3.094
#2	-.8130	.2244	-8.332	.3929	-1.796	.6023
#3	.0135	.1869	-6.492	1.481	.3215	2.798

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

Sample Name: CCB Acquired: 2/29/2016 23:26:40 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.169	-.2179	-.2258	.2327	.8993	1.219
Stddev	3.114	.3034	.3238	.3079	.1881	.228
%RSD	266.3	139.2	143.4	132.3	20.92	18.70
#1	2.566	-.2553	-.5993	.1967	1.020	1.482
#2	-2.399	-.5010	-.0539	-.0556	.6826	1.084
#3	3.340	.1024	-.0242	.5571	.9948	1.090

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	.1581	.2259	.7584	-3.814
Stddev	.2623	.0499	.3419	26.47
%RSD	165.9	22.09	45.08	694.2
#1	-.0196	.1690	1.153	-29.32
#2	.0346	.2466	.5749	-5.652
#3	.4593	.2621	.5475	23.53

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	3065.5	38199.	4676.5
Stddev	17.1	235.	25.6
%RSD	.55780	.61517	.54646
#1	3085.1	38470.	4700.2
#2	3057.5	38076.	4679.8
#3	3053.9	38050.	4649.4

Sample Name: CCVL Acquired: 2/29/2016 23:30:42 Type: QC
Method: sw02152016(v2) 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	249.2	16.16	10.24	205.4	2.211	5086.
Stddev	31.5	.61	.49	.7	.128	40.
%RSD	12.65	3.800	4.791	.3404	5.808	.7855

#1	246.9	16.86	10.46	204.9	2.121	5041.
#2	219.0	15.72	9.676	205.0	2.153	5100.
#3	281.9	15.90	10.58	206.2	2.358	5117.

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	4.140	54.04	10.53	24.81	169.1	4997.
Stddev	.158	.28	.20	.06	8.3	36.
%RSD	3.815	.5190	1.911	.2484	4.925	.7276

#1	4.272	53.74	10.72	24.79	160.8	4969.
#2	3.965	54.29	10.32	24.87	177.5	4984.
#3	4.184	54.08	10.54	24.75	169.0	5038.

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	4871.	16.16	4903.	42.42	11.77	20.08
Stddev	32.	.15	17.	.40	1.70	1.11
%RSD	.6513	.9070	.3490	.9427	14.44	5.510

#1	4837.	16.03	4901.	42.40	11.14	18.83
#2	4877.	16.13	4921.	42.03	13.69	20.50
#3	4900.	16.32	4887.	42.83	10.47	20.93

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

Sample Name: CCVL Acquired: 2/29/2016 23:30:42 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.07	23.97	50.68	32.94	47.37	20.03
Stddev	2.27	2.18	.29	.04	.27	.12
%RSD	11.29	9.081	.5747	.1111	.5648	.6021
#1	17.60	26.48	50.34	32.98	47.07	20.17
#2	20.54	22.73	50.83	32.90	47.45	19.96
#3	22.06	22.70	50.86	32.93	47.58	19.97

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	50.76	21.27	21.64	F 13.32
Stddev	.59	.82	.08	6.90
%RSD	1.168	3.833	.3712	51.83
#1	50.36	20.98	21.56	9.695
#2	50.49	20.64	21.63	8.980
#3	51.44	22.19	21.72	21.28

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	3040.3	37465.	4614.1
Stddev	16.2	444.	47.4
%RSD	.53156	1.1847	1.0263
#1	3054.5	37914.	4668.4
#2	3022.7	37026.	4581.5
#3	3043.7	37455.	4592.4

Sample Name: 460-109419-C-2-A@4 Acquired: 2/29/2016 23:34:40 Type: Unk
Method: sw02152016(v2) 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	66670.	14.10	2.982	277.5	2.912	6656.
Stddev	1047.	1.67	.163	2.8	.095	92.
%RSD	1.571	11.85	5.467	1.019	3.249	1.385

#1	65680.	15.13	2.863	274.4	2.855	6562.
#2	66560.	15.00	2.916	279.9	3.021	6661.
#3	67760.	12.17	3.168	278.1	2.860	6746.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-2.048	44.54	104.0	34.72	124000.	2903.
Stddev	.260	.69	1.6	.25	1608.	24.
%RSD	12.67	1.553	1.548	.7134	1.297	.8335

#1	-1.806	43.77	102.5	34.58	122300.	2876.
#2	-2.018	45.10	104.0	35.00	124200.	2913.
#3	-2.322	44.74	105.7	34.57	125500.	2921.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8470.	4418.	7363.	59.98	61.44	3.757
Stddev	68.	49.	67.	.43	.88	.733
%RSD	.8027	1.108	.9102	.7227	1.431	19.51

#1	8393.	4369.	7310.	59.64	61.69	4.383
#2	8492.	4419.	7340.	59.85	62.17	3.939
#3	8523.	4467.	7438.	60.47	60.46	2.951

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

Sample Name: 460-109419-C-2-A@4 Acquired: 2/29/2016 23:34:40 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.730	-.5384	163.8	146.0	4.463	2.326
Stddev	4.161	1.040	1.6	2.1	.843	.135
%RSD	87.96	193.1	1.004	1.417	18.89	5.785
#1	8.503	-1.718	162.2	143.6	5.434	2.364
#2	.2673	-.1413	163.9	147.4	4.037	2.437
#3	5.421	.2440	165.5	147.0	3.918	2.176

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	4.724	42.19	1231.	1166.
Stddev	.389	.27	14.	7.
%RSD	8.233	.6397	1.101	.6172
#1	4.801	41.99	1217.	1167.
#2	4.302	42.07	1233.	1158.
#3	5.068	42.49	1243.	1172.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3141.3	38377.	4769.8
Stddev	10.0	225.	65.1
%RSD	.31740	.58537	1.3650
#1	3146.6	38337.	4837.0
#2	3129.8	38618.	4765.5
#3	3147.5	38174.	4707.0

Sample Name: 460-109419-J-29-A@4 Acquired: 2/29/2016 23:42:31 Type: Unk
Method: sw02152016(v2) 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	23980.	9.313	2.074	76.78	2.367	4202.
Stddev	66.	3.498	.308	.47	.033	34.
%RSD	.2749	37.56	14.84	.6108	1.376	.8141
#1	23970.	13.11	2.247	76.24	2.352	4171.
#2	23910.	6.224	1.718	77.00	2.345	4196.
#3	24040.	8.604	2.255	77.10	2.404	4239.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-1.227	11.84	77.64	35.03	80980.	3506.
Stddev	.048	.22	.28	.13	229.	26.
%RSD	3.928	1.872	.3644	.3781	.2831	.7399
#1	-1.200	11.62	77.42	35.06	80890.	3514.
#2	-1.283	12.07	77.96	34.89	80810.	3477.
#3	-1.199	11.84	77.53	35.15	81240.	3527.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5213.	233.5	2592.	33.28	25.63	3.160
Stddev	38.	.4	15.	.33	.57	.882
%RSD	.7374	.1758	.5808	.9776	2.215	27.92
#1	5178.	233.7	2576.	32.94	25.44	4.113
#2	5208.	233.0	2606.	33.31	26.27	2.994
#3	5254.	233.7	2592.	33.58	25.19	2.372

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

Sample Name: 460-109419-J-29-A@4 Acquired: 2/29/2016 23:42:31 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.964	-2.736	88.54	86.72	8.214	1.068
Stddev	1.672	.474	.47	.31	.097	.101
%RSD	33.68	17.32	.5328	.3535	1.180	9.436
#1	3.476	-3.254	89.09	86.59	8.201	1.161
#2	4.642	-2.324	88.24	86.50	8.317	1.083
#3	6.773	-2.631	88.30	87.07	8.125	.9610

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	3.106	31.18	1033.	944.4
Stddev	.209	.10	1.	13.6
%RSD	6.717	.3168	.0924	1.445
#1	3.063	31.29	1034.	929.3
#2	3.333	31.12	1032.	948.0
#3	2.922	31.12	1034.	955.8

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	3186.8	39323.	4781.2
Stddev	10.8	185.	18.8
%RSD	.33982	.47023	.39277
#1	3175.7	39113.	4802.9
#2	3187.4	39396.	4771.1
#3	3197.3	39461.	4769.6

Sample Name: CCVL Acquired: 2/29/2016 21:50:23 Type: QC
Method: sw02152016(v2) 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	228.6	15.10	10.41	200.2	1.962	4883.
Stddev	4.6	2.22	.10	.3	.158	11.
%RSD	2.019	14.73	1.003	.1513	8.026	.2214
#1	229.5	15.49	10.53	200.4	2.132	4878.
#2	223.6	12.71	10.34	199.9	1.822	4875.
#3	232.7	17.10	10.35	200.4	1.932	4895.

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	4.053	52.46	9.860	24.43	151.3	4864.
Stddev	.080	.12	.545	.11	6.9	60.
%RSD	1.966	.2276	5.530	.4477	4.535	1.236
#1	4.143	52.33	10.48	24.36	157.9	4930.
#2	3.989	52.54	9.448	24.55	151.6	4848.
#3	4.029	52.52	9.654	24.36	144.2	4814.

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	4718.	15.52	4796.	40.96	11.92	20.56
Stddev	19.	.04	17.	.10	.62	.95
%RSD	.4108	.2766	.3476	.2436	5.173	4.597
#1	4740.	15.48	4813.	40.86	11.30	19.57
#2	4706.	15.53	4780.	41.06	12.53	21.45
#3	4707.	15.56	4795.	40.96	11.94	20.67

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

Sample Name: CCVL Acquired: 2/29/2016 21:50:23 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.84	24.59	49.30	31.00	47.06	19.46
Stddev	3.26	.89	.11	.08	.74	.09
%RSD	17.29	3.613	.2209	.2478	1.564	.4701

#1	15.11	25.61	49.28	31.00	47.38	19.42
#2	21.15	24.15	49.41	31.07	47.58	19.57
#3	20.25	24.01	49.19	30.92	46.22	19.40

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	48.89	20.34	20.75	F 4.062
Stddev	1.11	.03	.02	10.73
%RSD	2.269	.1510	.1200	264.2

#1	50.01	20.34	20.75	11.60
#2	47.79	20.31	20.78	8.807
#3	48.87	20.37	20.73	-8.223

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	3165.4	39509.	5014.9
Stddev	6.4	95.	20.8
%RSD	.20095	.24039	.41425

#1	3159.9	39435.	4995.8
#2	3172.4	39616.	5037.0
#3	3164.0	39476.	5011.9

Sample Name: 460-109419-G-38-A@10 Acquired: 2/29/2016 23:46:25 Type: Unk
Method: sw02152016(v2) 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	58580.	10.29	7.189	350.4	1.922	6609.
Stddev	254.	1.52	.370	1.6	.224	21.
%RSD	.4330	14.76	5.146	.4470	11.65	.3110
#1	58300.	8.557	6.773	351.7	2.101	6626.
#2	58630.	11.39	7.482	350.9	1.671	6615.
#3	58800.	10.92	7.311	348.7	1.995	6586.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-3.542	51.91	245.8	236.8	F 233800.	1229.
Stddev	.087	.21	1.1	1.3	432.	13.
%RSD	2.463	.3977	.4279	.5674	.1846	1.067
#1	-3.571	51.76	246.9	238.0	233400.	1240.
#2	-3.612	51.82	245.8	237.0	233700.	1214.
#3	-3.444	52.14	244.8	235.3	234200.	1232.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21270.	6687.	2937.	105.8	19.79	5.246
Stddev	31.	6.	17.	.4	1.18	1.750
%RSD	.1437	.0852	.5800	.3729	5.966	33.36
#1	21290.	6685.	2918.	105.4	20.08	4.010
#2	21290.	6693.	2949.	106.1	20.79	7.248
#3	21240.	6682.	2946.	106.0	18.49	4.479

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

Sample Name: 460-109419-G-38-A@10 Acquired: 2/29/2016 23:46:25 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.967	-1.142	375.4	399.5	-6.360	1.497
Stddev	4.767	.588	2.0	1.1	.975	.154
%RSD	53.16	51.48	.5261	.2808	15.33	10.31

#1	14.18	-8345	377.6	399.0	-5.975	1.571
#2	4.827	-7715	374.9	398.7	-5.636	1.601
#3	7.895	-1.820	373.8	400.8	-7.469	1.320

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	.4715	50.41	1590.	483.7
Stddev	.6657	.30	3.	11.5
%RSD	141.2	.5856	.1690	2.385

#1	1.235	50.25	1588.	487.8
#2	.1663	50.22	1593.	492.7
#3	.0132	50.75	1588.	470.7

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	3215.5	39290.	4853.7
Stddev	29.3	130.	13.2
%RSD	.91192	.33006	.27172

#1	3189.1	39162.	4839.5
#2	3210.5	39287.	4856.1
#3	3247.1	39422.	4865.6

Sample Name: 460-109486-F-3-A Acquired: 3/1/2016 0:02:02 Type: Unk
Method: sw02152016(v2) 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	200.5	1.903	.4449	159.7	-.1851	60400.
Stddev	10.6	2.555	.1533	.1	.0617	152.
%RSD	5.298	134.3	34.47	.0600	33.32	.2524
#1	212.6	.9411	.6083	159.6	-.1174	60410.
#2	196.3	-.0326	.4223	159.7	-.2382	60240.
#3	192.6	4.799	.3041	159.8	-.1996	60550.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.4483	-.2333	.5134	10.85	8227.	8189.
Stddev	.1000	.2084	.2718	.19	26.	37.
%RSD	22.30	89.31	52.95	1.793	.3201	.4461
#1	.5454	-.0422	.5996	10.67	8206.	8149.
#2	.3457	-.4555	.7317	10.83	8219.	8196.
#3	.4539	-.2023	.2089	11.06	8256.	8221.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5732.	42.53	73950.	10.01	2.010	2.316
Stddev	23.	.11	181.	.54	2.343	1.097
%RSD	.3993	.2542	.2443	5.414	116.5	47.35
#1	5748.	42.60	73750.	9.416	4.139	1.053
#2	5706.	42.41	74020.	10.48	-.4991	3.023
#3	5742.	42.60	74090.	10.14	2.391	2.872

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

Sample Name: 460-109486-F-3-A Acquired: 3/1/2016 0:02:02 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.151	-.0582	-.0018	430.6	99.97	.5759
Stddev	1.074	1.282	.0844	.6	.31	.0693
%RSD	34.07	2203.	4698.	.1310	.3112	12.04
#1	3.540	-.8069	-.0990	430.1	99.69	.5072
#2	3.977	-.7903	.0419	430.6	100.3	.5745
#3	1.937	1.423	.0518	431.3	99.91	.6459

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	-.2152	293.3	2.575	9086.
Stddev	.3375	1.1	.111	99.
%RSD	156.8	.3764	4.302	1.088
#1	-.2589	292.1	2.546	8983.
#2	.1420	293.5	2.482	9180.
#3	-.5287	294.2	2.697	9096.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3056.5	37993.	4845.1
Stddev	8.4	160.	43.1
%RSD	.27628	.42181	.89025
#1	3058.3	37868.	4805.9
#2	3047.3	38174.	4891.3
#3	3063.9	37938.	4838.1

Sample Name: 460-109486-F-3-C MS Acquired: 3/1/2016 0:10:07 Type: Unk

Method: sw02152016(v2) 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	2327.	1743.	47.73	1995.	52.09	79320.
Stddev	22.	11.	.34	3.	.15	599.
%RSD	.9584	.6258	.7088	.1504	.2951	.7554

#1	2327.	1754.	47.39	1998.	51.97	78640.
#2	2349.	1732.	47.72	1992.	52.27	79570.
#3	2305.	1743.	48.07	1995.	52.04	79760.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	47.55	484.6	186.9	242.3	9077.	26300.
Stddev	.20	.6	2.1	2.1	53.	185.
%RSD	.4254	.1273	1.141	.8827	.5807	.7021

#1	47.49	484.6	184.5	241.2	9016.	26130.
#2	47.38	483.9	187.4	244.8	9109.	26490.
#3	47.78	485.1	188.7	240.9	9106.	26270.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22910.	523.6	92680.	480.4	461.7	457.2
Stddev	171.	4.3	392.	.5	2.5	4.9
%RSD	.7454	.8236	.4228	.0985	.5427	1.077

#1	22720.	518.7	92410.	480.9	461.4	462.3
#2	23000.	525.6	93130.	480.0	459.4	452.6
#3	23020.	526.6	92500.	480.3	464.3	456.6

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

Sample Name: 460-109486-F-3-C MS Acquired: 3/1/2016 0:10:07 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1780.	2043.	483.6	946.0	548.6	466.6
Stddev	8.	7.	3.2	2.7	1.3	1.2
%RSD	.4766	.3542	.6516	.2876	.2322	.2472
#1	1789.	2052.	480.0	944.7	550.1	466.9
#2	1772.	2038.	485.9	944.2	547.9	465.4
#3	1780.	2041.	485.0	949.1	547.9	467.6

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	473.9	785.2	509.2	9402.
Stddev	1.9	3.5	3.1	35.
%RSD	.3980	.4467	.6161	.3774
#1	474.8	782.3	505.7	9441.
#2	471.7	789.1	511.7	9393.
#3	475.2	784.2	510.2	9372.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3009.8	37330.	4689.1
Stddev	6.0	244.	31.0
%RSD	.19799	.65486	.66060
#1	3012.8	37474.	4722.6
#2	3002.9	37469.	4661.4
#3	3013.6	37048.	4683.2

Sample Name: CCV Acquired: 3/1/2016 0:13:51 Type: QC
Method: sw02152016(v2) 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	134100.	2306.	1233.	9547.	1070.	121200.
Stddev	208.	10.	1.	28.	4.	74.
%RSD	.1548	.4316	.1096	.2893	.3291	.0608

#1	134100.	2305.	1234.	9520.	1070.	121300.
#2	134300.	2296.	1234.	9547.	1073.	121200.
#3	133900.	2316.	1231.	9575.	1066.	121200.

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	1218.	2463.	4800.	11990.	102200.	50430.
Stddev	1.	6.	11.	30.	383.	77.
%RSD	.1046	.2291	.2286	.2541	.3748	.1529

#1	1217.	2458.	4792.	11990.	102600.	50470.
#2	1217.	2463.	4796.	11960.	102300.	50340.
#3	1219.	2469.	4813.	12020.	101800.	50470.

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	116000.	4962.	120300.	2384.	7034.	958.7
Stddev	298.	.	181.	6.	18.	1.1
%RSD	.2569	.0060	.1507	.2644	.2615	.1129

#1	115800.	4962.	120500.	2378.	7018.	957.4
#2	115800.	4963.	120200.	2383.	7028.	959.4
#3	116300.	4962.	120100.	2391.	7054.	959.2

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

Sample Name: CCV Acquired: 3/1/2016 0:13:51 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2329.	2546.	2466.	2576.	921.7	2394.
Stddev	9.	6.	.	1.	4.2	11.
%RSD	.3944	.2380	.0190	.0241	.4523	.4581

#1	2319.	2541.	2466.	2577.	917.8	2383.
#2	2330.	2545.	2467.	2575.	921.3	2395.
#3	2338.	2553.	2467.	2576.	926.1	2405.

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	962.5	5101.	10360.	9607.
Stddev	4.0	11.	103.	72.
%RSD	.4196	.2063	.9984	.7536

#1	959.6	5113.	10270.	9643.
#2	960.7	5097.	10330.	9523.
#3	967.1	5093.	10470.	9654.

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	2880.6	35630.	4512.0
Stddev	5.6	138.	21.3
%RSD	.19558	.38679	.47128

#1	2882.8	35543.	4520.0
#2	2884.8	35559.	4487.9
#3	2874.2	35789.	4528.1

Sample Name: CCVL Acquired: 3/1/2016 0:21:42 Type: QC
Method: sw02152016(v2) 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	222.5	14.94	10.19	198.6	2.104	4976.
Stddev	19.8	1.00	.50	.7	.119	17.
%RSD	8.900	6.722	4.913	.3547	5.678	.3464

#1	231.4	14.55	10.65	199.3	2.132	4964.
#2	199.8	16.08	10.25	197.9	1.973	4967.
#3	236.3	14.18	9.654	198.5	2.206	4995.

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	4.152	52.55	9.823	24.43	171.8	4913.
Stddev	.072	.15	.385	.38	4.9	84.
%RSD	1.747	.2773	3.922	1.558	2.861	1.705

#1	4.091	52.71	10.13	24.80	170.2	4847.
#2	4.132	52.51	9.392	24.04	167.9	4884.
#3	4.232	52.43	9.943	24.43	177.3	5007.

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	4736.	15.71	4762.	40.71	9.992	20.37
Stddev	13.	.10	11.	.47	.454	1.59
%RSD	.2739	.6662	.2210	1.158	4.543	7.820

#1	4739.	15.60	4771.	41.25	9.707	19.47
#2	4722.	15.71	4751.	40.45	9.754	22.21
#3	4748.	15.81	4765.	40.43	10.52	19.43

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

Sample Name: CCVL Acquired: 3/1/2016 0:21:42 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.62	23.58	49.61	32.29	46.69	19.47
Stddev	.63	.30	.81	.26	.23	.28
%RSD	3.387	1.283	1.633	.7996	.4837	1.444
#1	18.07	23.89	49.79	32.45	46.86	19.15
#2	18.47	23.57	48.72	32.43	46.43	19.63
#3	19.31	23.28	50.31	31.99	46.77	19.64

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	48.87	20.41	21.26	F 17.81
Stddev	.18	.08	.23	4.54
%RSD	.3634	.4032	1.090	25.50
#1	48.67	20.38	21.00	13.09
#2	48.96	20.34	21.32	22.15
#3	48.99	20.50	21.45	18.21

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	3127.3	38130.	4705.1
Stddev	8.8	270.	70.7
%RSD	.27982	.70775	1.5022
#1	3122.6	38397.	4765.9
#2	3121.9	38136.	4722.0
#3	3137.4	37858.	4627.6

Sample Name: 460-109295-G-3-D DU Acquired: 2/29/2016 21:54:18 Type: Unk
Method: sw02152016(v2) 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	52460.	241.9	2.793	122.3	4.764	1635.
Stddev	126.	1.8	.696	.2	.123	10.
%RSD	.2405	.7433	24.94	.1498	2.575	.5956

#1	52590.	240.3	2.200	122.1	4.718	1647.
#2	52340.	243.8	2.619	122.4	4.903	1629.
#3	52440.	241.6	3.560	122.3	4.672	1631.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-1.507	39.02	86.90	51.04	144700.	3570.
Stddev	.044	.34	.46	.40	636.	42.
%RSD	2.910	.8804	.5278	.7799	.4393	1.180

#1	-1.465	38.69	86.38	50.67	145300.	3605.
#2	-1.503	39.01	87.07	51.46	144100.	3582.
#3	-1.552	39.37	87.25	50.99	144700.	3523.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4249.	994.0	103.4	55.61	48.33	5.393
Stddev	6.	1.9	11.9	.07	.78	1.464
%RSD	.1424	.1866	11.50	.1180	1.623	27.14

#1	4254.	995.7	98.50	55.69	47.47	6.253
#2	4242.	992.0	117.0	55.58	48.54	6.224
#3	4250.	994.3	94.80	55.57	48.99	3.703

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

Sample Name: 460-109295-G-3-D DU Acquired: 2/29/2016 21:54:18 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.735	-6458	129.6	148.3	5.756	2.381
Stddev	2.763	2.280	1.1	1.1	.434	.335
%RSD	58.36	353.0	.8490	.7727	7.537	14.06
#1	4.414	1.920	129.9	147.4	5.687	2.092
#2	2.146	-1.420	128.4	147.9	5.361	2.748
#3	7.645	-2.437	130.5	149.6	6.221	2.304

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.949	15.96	1266.	1141.
Stddev	.243	.62	2.	7.
%RSD	4.920	3.913	.1682	.5931
#1	4.671	15.70	1268.	1140.
#2	5.049	16.67	1264.	1148.
#3	5.126	15.50	1264.	1135.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3226.9	40525.	5116.9
Stddev	16.7	510.	72.9
%RSD	.51789	1.2579	1.4244
#1	3207.7	39995.	5039.0
#2	3238.5	41012.	5183.5
#3	3234.4	40570.	5128.1

Sample Name: 460-109429-I-24-A Acquired: 3/1/2016 0:29:22 Type: Unk
Method: sw02152016(v2) 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	2.499	.8114	-.1087	.0553	.0626	53.03
Stddev	10.10	1.684	.1568	.1495	.0746	6.02
%RSD	404.3	207.6	144.2	270.5	119.0	11.35

#1	-.9460	-1.106	.0371	.1906	.1103	59.96
#2	-5.431	2.053	-.0886	-.1053	.1009	49.05
#3	13.87	1.487	-.2745	.0805	-.0233	50.08

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.0510	-.0130	.0830	.2391	4.880	11.75
Stddev	.0567	.1655	.4457	.0789	8.394	8.39
%RSD	111.2	1268.	537.0	33.01	172.0	71.44

#1	-.1084	.1125	-.3495	.2927	4.266	21.42
#2	.0050	.0490	.5408	.2761	-3.190	6.436
#3	-.0495	-.2006	.0577	.1484	13.56	7.381

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.344	.1441	-5.811	.3577	-.7878	2.429
Stddev	1.869	.0353	11.41	.2038	.7068	2.405
%RSD	79.74	24.47	196.3	56.97	89.72	99.03

#1	4.103	.1143	5.153	.3651	-.1190	2.486
#2	.3818	.1350	-4.967	.5578	-.7172	-.0044
#3	2.547	.1830	-17.62	.1504	-1.527	4.806

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

Sample Name: 460-109429-I-24-A Acquired: 3/1/2016 0:29:22 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.986	-.4027	-.2428	.6674	4.476	.0606
Stddev	1.974	1.037	.1924	.0870	.364	.3562
%RSD	66.12	257.6	79.23	13.04	8.142	587.9
#1	5.048	.7678	-.3006	.7668	4.818	.1116
#2	1.114	-.7672	-.0282	.6303	4.093	-.3183
#3	2.795	-1.209	-.3997	.6051	4.517	.3885

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	-.7425	.0253	.1370	9.654
Stddev	.5016	.0815	.0592	18.16
%RSD	67.55	322.0	43.19	188.1
#1	-.2085	-.0116	.2053	15.08
#2	-1.204	.1187	.1003	-10.59
#3	-.8153	-.0312	.1055	24.48

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3102.1	38456.	4670.8
Stddev	23.6	349.	22.6
%RSD	.76081	.90875	.48323
#1	3081.4	38325.	4661.7
#2	3097.3	38192.	4654.1
#3	3127.8	38853.	4696.4

Sample Name: 460-109472-E-7-A@2 Acquired: 3/1/2016 0:33:25 Type: Unk
Method: sw02152016(v2) 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	260.2	2.372	.3455	309.8	-.0444	28940.
Stddev	12.4	.955	.3925	1.0	.1516	63.
%RSD	4.758	40.24	113.6	.3221	341.7	.2161
#1	256.1	1.616	.3284	309.8	.0338	29000.
#2	274.1	2.056	.7462	308.8	.0522	28880.
#3	250.4	3.444	-.0382	310.8	-.2191	28950.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.2471	.0358	.2562	1.982	3694.	693.6
Stddev	.0137	.1758	.7727	.182	16.	18.2
%RSD	5.564	491.3	301.5	9.187	.4274	2.627
#1	.2403	-.0095	.2583	2.184	3704.	708.5
#2	.2629	.2298	-.5175	1.833	3702.	699.0
#3	.2380	-.1130	1.028	1.928	3676.	673.3

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	4792.	855.4	105600.	2.410	2.222	1.038
Stddev	21.	1.1	196.	.209	.825	.639
%RSD	.4373	.1327	.1857	8.656	37.10	61.56
#1	4815.	856.7	105700.	2.618	1.606	1.348
#2	4776.	854.9	105700.	2.410	1.901	.3030
#3	4783.	854.7	105400.	2.201	3.159	1.462

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

Sample Name: 460-109472-E-7-A@2 Acquired: 3/1/2016 0:33:25 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.901	1.368	.6896	3.581	9.259	.2520
Stddev	.510	2.064	.4660	.186	.352	.1079
%RSD	17.59	150.9	67.58	5.183	3.803	42.82
#1	3.221	3.524	.5095	3.369	9.240	.3700
#2	2.313	1.171	.3405	3.660	9.620	.1583
#3	3.169	-.5906	1.219	3.714	8.917	.2278

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	-.1576	67.36	5.999	6729.
Stddev	.4655	.02	.132	35.
%RSD	295.3	.0260	2.196	.5143
#1	.0142	67.38	5.985	6703.
#2	.1975	67.35	5.874	6716.
#3	-.6846	67.37	6.137	6768.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3095.3	38460.	4953.4
Stddev	14.0	304.	53.3
%RSD	.45208	.78989	1.0760
#1	3087.3	38139.	4893.8
#2	3111.4	38743.	4996.6
#3	3087.0	38498.	4969.8

Sample Name: sd 460-109295-G-3-C Acquired: 2/29/2016 22:02:02 Type: Unk
Method: sw02152016(v2) 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	10450.	49.19	.4054	24.67	.8921	364.0
Stddev	31.	.91	.0424	.18	.0160	5.7
%RSD	.2934	1.843	10.46	.7359	1.799	1.578
#1	10430.	49.93	.3913	24.47	.8852	358.4
#2	10480.	48.18	.4531	24.73	.9105	369.9
#3	10430.	49.45	.3719	24.81	.8807	363.7

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3417	8.020	17.87	10.04	29510.	713.3
Stddev	.1333	.319	.61	.22	117.	25.1
%RSD	39.02	3.981	3.422	2.158	.3946	3.515
#1	-.2225	7.652	17.41	9.785	29400.	726.9
#2	-.3169	8.182	18.56	10.16	29510.	684.4
#3	-.4856	8.225	17.62	10.16	29630.	728.7

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	886.2	204.0	3.939	11.33	9.060	1.430
Stddev	7.1	1.1	2.116	.49	.760	.958
%RSD	.8064	.5486	53.72	4.312	8.386	66.95
#1	881.5	203.9	1.545	10.98	9.912	1.287
#2	894.4	202.9	4.711	11.89	8.819	.5521
#3	882.7	205.1	5.560	11.12	8.451	2.451

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

Sample Name: sd 460-109295-G-3-C Acquired: 2/29/2016 22:02:02 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.078	1.280	25.62	30.05	.6998	.4224
Stddev	2.116	1.050	.40	.14	.3398	.0896
%RSD	101.8	82.04	1.549	.4599	48.56	21.21
#1	-.1046	.4887	25.32	29.89	1.055	.4200
#2	2.220	.8795	26.07	30.10	.6676	.3340
#3	4.119	2.471	25.48	30.15	.3772	.5131

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	.5646	3.109	252.2	223.3
Stddev	1.102	.032	.4	11.0
%RSD	195.2	1.031	.1465	4.932
#1	1.317	3.090	252.0	220.6
#2	-.7006	3.146	252.0	213.8
#3	1.078	3.092	252.6	235.4

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	3171.6	39492.	4989.7
Stddev	6.4	68.	29.8
%RSD	.20234	.17104	.59642
#1	3175.5	39537.	4996.2
#2	3164.2	39525.	4957.2
#3	3175.2	39415.	5015.6

Sample Name: 460-109472-E-10-A@2 Acquired: 3/1/2016 0:45:18 Type: Unk
Method: sw02152016(v2) 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	326.1	4.379	.5249	572.9	-.0171	94010.
Stddev	15.2	1.518	.2338	.8	.1317	301.
%RSD	4.645	34.67	44.54	.1349	771.5	.3198

#1	318.8	5.801	.7104	573.8	.0789	93660.
#2	316.0	4.558	.6020	572.3	.0371	94170.
#3	343.6	2.779	.2623	572.6	-.1672	94200.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.0342	53.34	.6828	30.27	4733.	15760.
Stddev	.0549	.34	.3151	.40	40.	47.
%RSD	160.8	.6467	46.15	1.318	.8469	.2999

#1	.0290	53.66	.4066	30.64	4691.	15740.
#2	-.0702	53.37	1.026	29.85	4738.	15810.
#3	-.0613	52.98	.6158	30.33	4771.	15720.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15420.	3284.	42090.	54.99	5.823	1.141
Stddev	34.	7.	133.	.27	1.100	1.937
%RSD	.2208	.2202	.3156	.4840	18.88	169.8

#1	15440.	3277.	42190.	55.29	4.555	3.361
#2	15440.	3285.	42140.	54.78	6.387	.2665
#3	15380.	3291.	41940.	54.89	6.525	-.2055

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

Sample Name: 460-109472-E-10-A@2 Acquired: 3/1/2016 0:45:18 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.177	.9224	5.227	7.544	31.06	3.623
Stddev	2.465	.5154	.170	.242	.52	.268
%RSD	113.2	55.88	3.246	3.210	1.689	7.382
#1	.8803	1.517	5.192	7.661	31.07	3.621
#2	.6323	.6333	5.411	7.265	31.57	3.357
#3	5.020	.6164	5.077	7.705	30.52	3.892

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	.8781	196.6	5.658	9043.
Stddev	.6893	.4	.293	13.
%RSD	78.50	.1813	5.180	.1438
#1	.5398	197.0	5.330	9051.
#2	.4232	196.4	5.754	9028.
#3	1.671	196.3	5.892	9051.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3079.3	38382.	4984.2
Stddev	1.8	72.	49.9
%RSD	.05707	.18709	1.0012
#1	3081.3	38455.	5038.8
#2	3078.5	38311.	4973.0
#3	3078.0	38381.	4940.9

Sample Name: 460-109295-G-3-E MS Acquired: 2/29/2016 22:06:11 Type: Unk
Method: sw02152016(v2) 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	71950.	1095.	25.61	1048.	29.72	10790.
Stddev	453.	4.	.15	3.	.19	100.
%RSD	.6297	.4076	.5698	.3169	.6332	.9242

#1	71500.	1091.	25.70	1046.	29.54	10690.
#2	71950.	1094.	25.70	1046.	29.71	10800.
#3	72400.	1100.	25.45	1052.	29.92	10880.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	20.94	275.8	186.0	171.9	157800.	12840.
Stddev	.27	.7	1.6	.9	1098.	53.
%RSD	1.288	.2580	.8840	.5443	.6953	.4099

#1	21.19	275.2	184.3	172.8	156600.	12780.
#2	20.65	275.6	186.2	170.9	158100.	12860.
#3	20.99	276.6	187.5	172.0	158800.	12870.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13370.	1150.	9016.	304.5	272.7	118.0
Stddev	103.	9.	38.	1.3	1.7	1.6
%RSD	.7732	.7840	.4170	.4273	.6112	1.340

#1	13260.	1141.	8981.	303.3	270.8	119.7
#2	13380.	1149.	9012.	304.5	273.7	116.5
#3	13470.	1159.	9055.	305.9	273.6	118.0

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

Sample Name: 460-109295-G-3-E MS Acquired: 2/29/2016 22:06:11 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	856.2	979.0	378.5	406.3	222.5	222.6
Stddev	1.6	2.3	2.2	2.5	.9	1.2
%RSD	.1839	.2333	.5720	.6232	.3943	.5353
#1	854.5	977.1	376.2	403.5	222.9	221.3
#2	856.5	981.5	378.6	407.2	223.2	222.8
#3	857.6	978.4	380.6	408.3	221.5	223.6

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	224.9	254.1	1707.	1423.
Stddev	1.4	.7	11.	8.
%RSD	.6245	.2637	.6406	.5459
#1	223.5	253.6	1698.	1423.
#2	224.9	254.0	1704.	1416.
#3	226.3	254.9	1719.	1431.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3247.8	40316.	5185.9
Stddev	6.8	279.	39.2
%RSD	.20995	.69112	.75679
#1	3247.5	40637.	5217.9
#2	3241.2	40133.	5197.7
#3	3254.8	40179.	5142.1

Sample Name: 460-109472-H-13-A@2 Acquired: 3/1/2016 0:57:09 Type: Unk
Method: sw02152016(v2) 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	451.2	4.700	.1936	122.4	.0874	61850.
Stddev	16.3	1.776	.1831	.7	.1551	224.
%RSD	3.605	37.78	94.56	.5697	177.5	.3618

#1	440.4	6.230	.1045	122.0	.1985	61640.
#2	443.4	2.753	.0722	122.1	-.0898	61820.
#3	469.9	5.117	.4042	123.2	.1534	62090.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.1117	1.344	1.339	3.604	710.5	21330.
Stddev	.1721	.363	.512	.269	4.3	40.
%RSD	154.1	27.04	38.27	7.470	.6066	.1879

#1	-.0454	1.147	1.894	3.863	714.7	21340.
#2	.2957	1.122	.8837	3.326	710.5	21290.
#3	.0847	1.764	1.239	3.624	706.1	21370.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8804.	1045.	107300.	5.780	3.757	1.495
Stddev	52.	3.	156.	.181	1.282	2.322
%RSD	.5950	.2907	.1454	3.127	34.11	155.3

#1	8749.	1042.	107300.	5.598	4.537	4.163
#2	8810.	1044.	107200.	5.784	4.457	.3932
#3	8854.	1048.	107500.	5.959	2.278	-.0709

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

Sample Name: 460-109472-H-13-A@2 Acquired: 3/1/2016 0:57:09 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5730	-.5575	3.562	8.593	77.18	.0046
Stddev	2.347	1.423	.374	.090	1.17	.1977
%RSD	409.6	255.2	10.51	1.047	1.513	4280.
#1	1.384	-1.976	3.985	8.688	77.05	.0247
#2	-3.175	.8692	3.275	8.580	76.08	.1916
#3	.0719	-.5653	3.426	8.510	78.40	-.2024

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	.4017	116.6	14.83	6765.
Stddev	.2993	.4	.13	39.
%RSD	74.49	.3123	.8984	.5749
#1	.2682	116.6	14.76	6757.
#2	.7445	116.3	14.75	6730.
#3	.1925	117.0	14.99	6807.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3015.5	37049.	4674.0
Stddev	15.5	125.	41.8
%RSD	.51272	.33698	.89413
#1	2998.2	36957.	4627.9
#2	3020.4	36998.	4709.3
#3	3028.0	37191.	4684.9

Sample Name: 460-109284-A-7-B@4 Acquired: 2/29/2016 22:13:32 Type: Unk
Method: sw02152016(v2) 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	48520.	25.97	2.238	453.9	2.723	12380.
Stddev	109.	1.42	.552	.3	.163	23.
%RSD	.2239	5.484	24.66	.0658	6.000	.1877
#1	48620.	25.57	2.453	454.2	2.900	12350.
#2	48530.	27.56	2.649	453.6	2.579	12390.
#3	48400.	24.80	1.611	454.0	2.689	12390.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	1.740	34.15	82.44	259.8	99370.	5304.
Stddev	.111	.22	.66	1.2	321.	37.
%RSD	6.389	.6532	.7973	.4445	.3225	.6904
#1	1.714	33.92	81.84	258.9	99000.	5324.
#2	1.645	34.15	82.34	259.4	99500.	5325.
#3	1.862	34.37	83.14	261.1	99600.	5261.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13960.	1998.	414.9	100.5	484.1	8.008
Stddev	60.	4.	36.8	.7	2.5	.560
%RSD	.4313	.2031	8.873	.6540	.5088	6.991
#1	13930.	1994.	457.2	100.9	481.9	8.654
#2	13930.	1997.	396.6	99.75	483.6	7.655
#3	14030.	2002.	390.8	100.9	486.7	7.716

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

Sample Name: 460-109284-A-7-B@4 Acquired: 2/29/2016 22:13:32 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.627	-1.031	152.5	625.2	27.10	4.880
Stddev	.978	1.039	.3	2.4	.55	.146
%RSD	14.76	100.8	.1710	.3873	2.044	2.996
#1	7.412	.1291	152.3	623.6	27.67	4.788
#2	5.532	-1.345	152.4	623.9	27.08	5.049
#3	6.938	-1.876	152.8	628.0	26.56	4.804

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	47.02	97.76	1477.	1104.
Stddev	1.21	.68	3.	11.
%RSD	2.576	.6949	.1716	1.041
#1	45.62	98.52	1479.	1102.
#2	47.58	97.21	1476.	1116.
#3	47.84	97.55	1475.	1093.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3251.6	40221.	5083.7
Stddev	15.1	289.	42.4
%RSD	.46562	.71789	.83377
#1	3237.4	40110.	5042.3
#2	3249.8	40004.	5081.8
#3	3267.5	40549.	5127.0

Sample Name: 460-109486-F-2-A@2 Acquired: 3/1/2016 1:17:10 Type: Unk

Method: sw02152016(v2) 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	82.35	1.503	.4801	12.35	-.0885	4760.
Stddev	4.50	1.733	.2785	.06	.2222	17.
%RSD	5.459	115.3	58.00	.4547	251.0	.3488

#1	77.88	.1529	.1593	12.32	-.0648	4746.
#2	82.29	.8988	.6210	12.41	.1208	4779.
#3	86.87	3.457	.6599	12.31	-.3216	4755.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0466	-.0230	.1560	2.003	26.74	2831.
Stddev	.0213	.3648	.0658	.205	11.32	47.
%RSD	45.68	1588.	42.18	10.22	42.33	1.662

#1	.0258	-.0719	.1929	2.031	18.73	2778.
#2	.0683	.3638	.1952	2.192	21.80	2845.
#3	.0455	-.3608	.0801	1.786	39.69	2869.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4145.	1.961	177000.	.3723	-.3432	4.039
Stddev	29.	.070	900.	.0988	1.136	.610
%RSD	.7074	3.577	.5085	26.53	331.0	15.11

#1	4113.	2.040	176200.	.4142	-1.035	4.554
#2	4170.	1.935	176800.	.4432	-.9621	3.365
#3	4153.	1.907	178000.	.2595	.9680	4.197

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

Sample Name: 460-109486-F-2-A@2 Acquired: 3/1/2016 1:17:10 Type: Unk

Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.620	1.261	.8164	4.801	58.22	.5381
Stddev	.163	1.520	.3264	.289	.45	.0702
%RSD	6.205	120.6	39.98	6.025	.7787	13.04

#1	2.433	2.047	1.182	4.682	57.95	.5030
#2	2.722	2.227	.5542	5.131	58.74	.6189
#3	2.706	-.4914	.7131	4.591	57.96	.4924

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	-.5132	28.33	1.573	2894.
Stddev	.2091	.07	.134	25.
%RSD	40.74	.2611	8.501	.8601

#1	-.4308	28.39	1.475	2910.
#2	-.3579	28.25	1.519	2865.
#3	-.7510	28.36	1.725	2907.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2991.9	36553.	4556.6
Stddev	13.1	318.	62.2
%RSD	.43913	.86916	1.3648

#1	2982.7	36444.	4566.9
#2	2986.0	36305.	4489.9
#3	3006.9	36911.	4613.0

Sample Name: 460-109295-F-1-C@4 Acquired: 2/29/2016 22:17:23 Type: Unk
Method: sw02152016(v2) 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	59110.	597.9	2.476	170.4	4.640	4285.
Stddev	249.	.4	.358	.9	.012	30.
%RSD	.4219	.0673	14.48	.5041	.2591	.7071

#1	58820.	597.5	2.064	169.6	4.652	4252.
#2	59260.	598.2	2.648	171.3	4.639	4292.
#3	59240.	598.2	2.716	170.3	4.628	4311.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-1.981	45.83	97.46	207.5	134300.	3614.
Stddev	.094	.32	.36	.9	992.	31.
%RSD	4.765	.7045	.3649	.4192	.7385	.8505

#1	-1.959	45.49	97.06	206.5	133200.	3580.
#2	-1.900	46.13	97.61	208.2	134600.	3626.
#3	-2.085	45.88	97.73	207.7	135100.	3638.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5577.	1397.	48.53	61.91	82.77	6.023
Stddev	28.	8.	3.09	.53	.59	1.350
%RSD	.4990	.5749	6.359	.8514	.7093	22.42

#1	5548.	1388.	47.13	61.45	82.11	7.507
#2	5580.	1401.	52.07	62.49	83.01	4.868
#3	5604.	1403.	46.39	61.78	83.21	5.693

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

Sample Name: 460-109295-F-1-C@4 Acquired: 2/29/2016 22:17:23 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.886	-2.576	131.5	188.5	5.102	3.337
Stddev	.350	.778	1.0	1.5	.606	.044
%RSD	5.947	30.20	.7483	.8050	11.88	1.328
#1	5.570	-1.758	130.4	186.9	5.292	3.336
#2	5.825	-3.306	131.9	189.9	4.423	3.382
#3	6.262	-2.662	132.3	188.6	5.590	3.293

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	5.978	36.53	1359.	1065.
Stddev	.427	.20	9.	12.
%RSD	7.143	.5479	.6384	1.085
#1	6.002	36.30	1349.	1073.
#2	6.392	36.60	1363.	1052.
#3	5.539	36.68	1365.	1072.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3230.3	39825.	5019.6
Stddev	13.3	142.	17.2
%RSD	.41226	.35645	.34323
#1	3231.4	39772.	5010.9
#2	3216.4	39985.	5008.4
#3	3243.0	39717.	5039.4

Sample Name: 460-109317-B-2-A@4 Acquired: 2/29/2016 22:25:08 Type: Unk
Method: sw02152016(v2) 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	46900.	23.90	2.447	506.8	2.885	247900.
Stddev	185.	.98	.478	.9	.101	291.
%RSD	.3946	4.088	19.55	.1720	3.514	.1175

#1	47000.	24.79	1.956	506.4	2.846	247600.
#2	47010.	24.06	2.472	506.2	2.809	248200.
#3	46680.	22.86	2.912	507.8	3.000	247900.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	3.777	22.03	135.6	107.9	63890.	5740.
Stddev	.051	.19	1.5	.4	26.	38.
%RSD	1.343	.8397	1.079	.3472	.0414	.6634

#1	3.811	21.82	135.0	107.7	63920.	5762.
#2	3.718	22.12	137.3	107.6	63880.	5762.
#3	3.801	22.16	134.6	108.3	63870.	5696.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	63780.	1527.	1156.	48.33	997.5	2.300
Stddev	24.	.	13.	.20	2.9	1.764
%RSD	.0374	.0215	1.132	.4114	.2924	76.71

#1	63790.	1527.	1155.	48.53	994.3	1.929
#2	63750.	1528.	1170.	48.14	998.4	.7507
#3	63800.	1528.	1144.	48.32	999.9	4.220

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

Sample Name: 460-109317-B-2-A@4 Acquired: 2/29/2016 22:25:08 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.0737	.7316	122.4	641.0	30.48	3.362
Stddev	1.834	1.483	1.6	.8	.53	.138
%RSD	2490.	202.7	1.267	.1218	1.747	4.100
#1	1.770	1.702	121.0	640.7	30.48	3.224
#2	-.0916	1.467	122.1	641.9	29.95	3.500
#3	-1.899	-.9752	124.0	640.5	31.01	3.363

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	56.50	800.9	1629.	2545.
Stddev	.28	4.2	2.	35.
%RSD	.5004	.5251	.0923	1.356
#1	56.34	804.0	1629.	2533.
#2	56.34	802.6	1628.	2519.
#3	56.83	796.1	1631.	2584.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3029.9	37387.	4771.7
Stddev	11.0	181.	65.5
%RSD	.36228	.48534	1.3736
#1	3042.4	37324.	4702.8
#2	3022.2	37591.	4778.9
#3	3025.0	37245.	4833.3

Sample Name: 460-109317-E-3-A@4 Acquired: 2/29/2016 22:28:57 Type: Unk
Method: sw02152016(v2) 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	40540.	24.97	1.442	793.1	3.245	F 367400.
Stddev	232.	2.21	.230	1.0	.049	2270.
%RSD	.5723	8.842	15.97	.1276	1.500	.6178

#1	40290.	25.52	1.218	794.0	3.291	366200.
#2	40590.	22.54	1.431	792.0	3.249	370000.
#3	40750.	26.85	1.678	793.2	3.194	365900.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.976	30.30	99.49	126.2	81660.	11270.
Stddev	.222	.37	.47	.9	440.	90.
%RSD	11.21	1.209	.4706	.7271	.5388	.8008

#1	1.919	30.01	99.06	125.1	81210.	11180.
#2	1.788	30.19	99.43	126.7	82090.	11360.
#3	2.220	30.71	99.99	126.7	81690.	11290.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	147000.	1289.	931.1	63.96	251.4	8.600
Stddev	947.	6.	4.3	1.17	1.6	.830
%RSD	.6446	.4549	.4575	1.832	.6327	9.646

#1	146800.	1284.	932.0	62.85	253.1	9.470
#2	148000.	1295.	926.4	63.84	251.2	8.513
#3	146100.	1286.	934.8	65.18	249.9	7.818

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

Sample Name: 460-109317-E-3-A@4 Acquired: 2/29/2016 22:28:57 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.618	-.0866	150.9	1570.	45.38	2.406
Stddev	2.097	2.652	1.3	6.	1.25	.303
%RSD	80.10	3061.	.8530	.4028	2.766	12.59
#1	.5953	2.492	149.4	1563.	44.66	2.116
#2	4.781	.0542	151.6	1572.	44.65	2.721
#3	2.476	-2.806	151.7	1575.	46.83	2.382

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	8.092	1331.	1394.	1082.
Stddev	.625	5.	8.	11.
%RSD	7.728	.3966	.5700	1.038
#1	8.088	1326.	1385.	1074.
#2	7.468	1332.	1399.	1095.
#3	8.719	1336.	1399.	1076.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2994.1	37159.	4900.4
Stddev	33.4	614.	64.0
%RSD	1.1140	1.6525	1.3069
#1	2963.7	36783.	4872.2
#2	2988.7	36826.	4855.4
#3	3029.8	37867.	4973.7

Sample Name: CCB Acquired: 2/29/2016 22:36:28 Type: QC
Method: sw02152016(v2) 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	13.33	-.4025	-.3222	.1845	-.1349	51.42
Stddev	13.54	.8311	.2382	.1217	.0407	5.50
%RSD	101.6	206.5	73.94	65.95	30.18	10.70
#1	28.42	-1.197	-.2765	.3248	-.0900	57.42
#2	2.279	.4610	-.5799	.1073	-.1693	50.22
#3	9.272	-.4718	-.1101	.1214	-.1455	46.62

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0279	.1240	.0210	.6235	.1870	27.29
Stddev	.0711	.0742	.4895	.4363	9.106	65.23
%RSD	254.4	59.86	2334.	69.98	4869.	239.0
#1	.0182	.1407	.4979	.7216	5.984	29.81
#2	-.0378	.0429	-.4803	1.002	4.885	91.22
#3	.1034	.1885	.0453	.1465	-10.31	-39.17

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.479	.2404	.2559	.1939	-.1195	1.551
Stddev	4.918	.1025	14.41	.1911	1.155	.832
%RSD	141.4	42.64	5631.	98.57	966.5	53.64
#1	6.034	.3169	7.506	.2943	.2038	.6453
#2	6.594	.1239	9.599	.3139	-1.402	1.727
#3	-2.190	.2803	-16.34	-.0265	.8397	2.282

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

Sample Name: CCB Acquired: 2/29/2016 22:36:28 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.193	.5609	-.3417	.0285	.4448	.9298
Stddev	1.346	1.119	.2634	.1569	.8713	.7040
%RSD	42.14	199.6	77.08	550.3	195.9	75.71
#1	2.861	.5213	-.4981	-.1526	1.225	1.731
#2	4.674	-.5382	-.0376	.1151	.6055	.6465
#3	2.045	1.700	-.4893	.1231	-.4956	.4116

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	-.4743	.0864	.7237	5.163
Stddev	.3488	.0555	.2559	6.971
%RSD	73.54	64.21	35.36	135.0
#1	-.5251	.1328	.9108	.3948
#2	-.1029	.1014	.8283	1.931
#3	-.7950	.0250	.4321	13.16

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	3041.2	37683.	4603.4
Stddev	26.7	320.	72.8
%RSD	.87780	.84943	1.5805
#1	3015.4	37330.	4543.9
#2	3039.6	37764.	4581.8
#3	3068.7	37954.	4684.5

Sample Name: CCVL Acquired: 2/29/2016 22:40:29 Type: QC
Method: sw02152016(v2) 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	229.2	15.10	10.22	203.0	2.082	4929.
Stddev	13.1	1.41	.22	.4	.088	21.
%RSD	5.710	9.343	2.137	.1875	4.232	.4219

#1	244.2	16.03	10.35	202.7	2.120	4907.
#2	220.5	13.48	10.35	202.8	2.144	4947.
#3	222.8	15.78	9.968	203.4	1.981	4934.

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	4.171	53.21	9.941	24.62	163.9	4905.
Stddev	.102	.23	.286	.17	7.3	9.
%RSD	2.454	.4351	2.874	.6872	4.449	.1741

#1	4.276	52.98	10.27	24.59	155.5	4898.
#2	4.072	53.21	9.801	24.81	168.5	4903.
#3	4.164	53.44	9.752	24.47	167.8	4915.

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	4771.	15.70	4821.	41.73	10.97	21.19
Stddev	24.	.04	12.	.08	.55	.72
%RSD	.4954	.2643	.2442	.1882	4.967	3.391

#1	4762.	15.66	4834.	41.67	10.47	20.67
#2	4798.	15.72	4811.	41.82	10.89	22.01
#3	4753.	15.74	4818.	41.71	11.55	20.88

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

Sample Name: CCVL Acquired: 2/29/2016 22:40:29 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.13	23.53	49.62	31.60	47.35	19.77
Stddev	1.15	.57	.17	.34	.58	.14
%RSD	6.681	2.427	.3326	1.076	1.225	.7305
#1	16.34	23.96	49.77	31.39	47.36	19.69
#2	16.62	23.75	49.44	31.41	47.92	19.68
#3	18.45	22.88	49.65	31.99	46.76	19.93

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	48.95	20.58	20.97	F -.2981
Stddev	.31	.25	.10	9.135
%RSD	.6242	1.228	.4826	3065.
#1	49.26	20.45	20.88	10.08
#2	48.66	20.42	21.08	-7.125
#3	48.92	20.87	20.95	-3.848

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	3142.5	39075.	4977.3
Stddev	.6	120.	34.1
%RSD	.01886	.30631	.68572
#1	3143.2	39101.	5008.3
#2	3142.2	39180.	4982.9
#3	3142.2	38945.	4940.7

Sample Name: 460-109384-E-1-A@4 Acquired: 2/29/2016 22:48:14 Type: Unk
Method: sw02152016(v2) 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	57320.	26.27	2.708	239.8	3.194	7323.
Stddev	604.	.37	.475	1.9	.240	204.
%RSD	1.054	1.417	17.53	.7900	7.522	2.784

#1	56680.	25.94	2.236	238.0	2.925	7555.
#2	57380.	26.19	2.702	239.7	3.272	7170.
#3	57890.	26.67	3.185	241.8	3.386	7246.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-1.195	33.84	89.80	71.41	95750.	4841.
Stddev	.070	.52	1.64	.57	848.	48.
%RSD	5.843	1.524	1.829	.8004	.8851	.9888

#1	-1.123	33.42	87.92	71.15	94960.	4786.
#2	-1.199	33.69	90.94	71.01	95660.	4867.
#3	-1.263	34.42	90.54	72.06	96640.	4871.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10320.	872.1	330.4	60.63	233.8	3.247
Stddev	54.	8.0	1.1	.53	1.5	.931
%RSD	.5195	.9135	.3191	.8717	.6467	28.69

#1	10360.	864.3	331.5	60.15	233.1	2.447
#2	10260.	871.7	330.3	60.54	232.9	4.269
#3	10340.	880.2	329.4	61.20	235.6	3.023

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

Sample Name: 460-109384-E-1-A@4 Acquired: 2/29/2016 22:48:14 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.260	-4.049	118.4	187.5	14.02	2.675
Stddev	3.282	1.700	1.4	1.5	.40	.021
%RSD	145.2	42.00	1.173	.8068	2.824	.7671
#1	-1.469	-3.257	117.1	185.9	13.56	2.694
#2	3.540	-6.001	118.3	187.5	14.31	2.653
#3	4.708	-2.889	119.9	189.0	14.18	2.679

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	10.83	78.30	1800.	840.4
Stddev	1.31	.34	16.	8.3
%RSD	12.13	.4330	.9143	.9836
#1	9.816	78.26	1783.	836.5
#2	10.37	77.98	1800.	834.7
#3	12.32	78.66	1816.	849.8

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	3318.2	41174.	5136.1
Stddev	18.0	217.	21.0
%RSD	.54166	.52609	.40881
#1	3297.4	40929.	5122.5
#2	3329.1	41337.	5160.3
#3	3328.0	41257.	5125.5

Sample Name: 460-109384-E-4-A@4 Acquired: 2/29/2016 22:59:45 Type: Unk
Method: sw02152016(v2) 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	67860.	15.48	1.154	259.1	2.949	6018.
Stddev	217.	.81	.260	.9	.058	49.
%RSD	.3195	5.242	22.52	.3482	1.961	.8160

#1	67770.	14.80	.8561	258.1	3.010	5962.
#2	68100.	15.26	1.274	259.5	2.940	6053.
#3	67700.	16.38	1.333	259.7	2.896	6039.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.9483	21.47	179.5	48.71	67670.	5873.
Stddev	.0448	.27	.8	.49	387.	56.
%RSD	4.725	1.241	.4446	.9982	.5721	.9453

#1	-.9958	21.27	178.7	48.29	67260.	5936.
#2	-.9423	21.77	179.4	48.60	67710.	5833.
#3	-.9068	21.37	180.3	49.25	68030.	5850.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10850.	375.3	205.0	59.45	35.59	2.409
Stddev	51.	1.3	4.6	.37	1.72	1.221
%RSD	.4664	.3528	2.220	.6154	4.834	50.68

#1	10840.	374.0	199.8	59.23	35.65	3.817
#2	10810.	375.1	208.3	59.87	33.84	1.644
#3	10910.	376.6	206.9	59.25	37.28	1.766

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

Sample Name: 460-109384-E-4-A@4 Acquired: 2/29/2016 22:59:45 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.781	-2.623	136.6	166.5	12.56	.9923
Stddev	3.716	.921	1.0	.8	.41	.2190
%RSD	77.73	35.12	.7410	.4528	3.292	22.07
#1	7.242	-1.717	135.4	165.6	12.09	.8769
#2	6.594	-2.594	137.3	167.1	12.86	1.245
#3	.5060	-3.559	137.0	166.7	12.72	.8551

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	5.273	49.69	2356.	915.6
Stddev	.808	.17	7.	22.9
%RSD	15.31	.3331	.3089	2.503
#1	5.618	49.52	2349.	889.3
#2	5.852	49.69	2356.	926.2
#3	4.351	49.85	2364.	931.3

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	3336.3	40615.	5045.7
Stddev	19.8	245.	45.0
%RSD	.59466	.60303	.89197
#1	3353.2	40771.	4993.9
#2	3341.3	40742.	5068.7
#3	3314.5	40333.	5074.6

Sample Name: 460-109384-E-7-A@4 Acquired: 2/29/2016 23:11:21 Type: Unk
Method: sw02152016(v2) 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	58790.	13.21	1.847	210.5	4.264	3341.
Stddev	257.	2.10	.171	1.0	.081	8.
%RSD	.4370	15.88	9.275	.4874	1.904	.2461

#1	58680.	14.28	1.988	209.3	4.185	3335.
#2	59080.	10.79	1.898	210.9	4.347	3351.
#3	58600.	14.56	1.657	211.2	4.261	3337.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-1.295	31.41	144.8	109.2	97620.	3785.
Stddev	.130	.26	.7	.4	160.	26.
%RSD	10.01	.8278	.4555	.3722	.1637	.6959

#1	-1.362	31.70	144.1	109.7	97480.	3776.
#2	-1.145	31.22	145.4	109.1	97580.	3815.
#3	-1.377	31.30	145.0	108.9	97800.	3765.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16640.	445.8	120.4	80.94	45.19	3.381
Stddev	40.	.4	2.3	.35	.73	1.239
%RSD	.2387	.0949	1.907	.4368	1.605	36.63

#1	16670.	445.4	122.9	80.59	45.48	1.963
#2	16590.	445.6	120.2	81.30	45.72	4.251
#3	16650.	446.2	118.3	80.94	44.36	3.930

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

Sample Name: 460-109384-E-7-A@4 Acquired: 2/29/2016 23:11:21 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.259	-1.160	148.9	232.5	.4632	4.071
Stddev	1.072	2.117	.4	1.0	.6121	.167
%RSD	85.14	182.5	.2907	.4267	132.1	4.099
#1	1.219	-1.774	148.8	231.5	1.118	4.167
#2	.2073	1.196	149.4	233.5	-.0955	3.878
#3	2.349	-2.903	148.6	232.6	.3678	4.168

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	3.324	28.60	1353.	814.4
Stddev	.629	.05	1.	25.2
%RSD	18.92	.1765	.1027	3.093
#1	4.040	28.65	1351.	799.5
#2	3.068	28.55	1353.	800.1
#3	2.863	28.61	1354.	843.4

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	3434.8	42324.	5205.8
Stddev	4.4	127.	22.3
%RSD	.12889	.30063	.42781
#1	3437.4	42404.	5191.2
#2	3437.3	42390.	5194.9
#3	3429.7	42177.	5231.5

Sample Name: 460-109384-E-9-A@4 Acquired: 2/29/2016 23:19:05 Type: Unk
Method: sw02152016(v2) 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	51990.	19.12	2.405	234.6	3.197	7286.
Stddev	17.	.40	.099	.5	.125	28.
%RSD	.0318	2.073	4.119	.1922	3.917	.3895

#1	52010.	19.07	2.343	234.5	3.268	7299.
#2	51980.	19.54	2.351	235.1	3.053	7305.
#3	51980.	18.76	2.519	234.3	3.271	7253.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.8515	37.24	217.6	88.99	90940.	3962.
Stddev	.1956	.29	.9	.46	224.	15.
%RSD	22.97	.7914	.4015	.5126	.2467	.3784

#1	-1.005	37.07	218.2	88.47	90900.	3956.
#2	-.6314	37.58	218.0	89.34	90750.	3950.
#3	-.9175	37.06	216.6	89.15	91190.	3979.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10070.	755.3	180.7	67.67	99.41	4.255
Stddev	45.	1.7	1.8	.18	.88	.808
%RSD	.4437	.2242	.9906	.2595	.8839	18.99

#1	10120.	756.9	182.2	67.55	99.09	3.572
#2	10050.	753.5	181.2	67.59	100.4	5.147
#3	10030.	755.6	178.7	67.87	98.74	4.045

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

Sample Name: 460-109384-E-9-A@4 Acquired: 2/29/2016 23:19:05 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.447	-2.814	124.9	174.2	4.889	2.646
Stddev	2.549	1.186	.2	.8	.241	.159
%RSD	73.94	42.14	.1395	.4604	4.938	6.001
#1	3.541	-4.183	124.7	173.8	4.621	2.794
#2	5.947	-2.096	125.0	173.6	5.088	2.666
#3	.8524	-2.164	125.0	175.1	4.959	2.479

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	5.849	50.32	1449.	910.0
Stddev	.032	.12	3.	29.2
%RSD	.5401	.2350	.2012	3.213
#1	5.841	50.19	1447.	899.0
#2	5.823	50.38	1447.	887.9
#3	5.884	50.40	1452.	943.1

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	3337.5	41465.	5206.4
Stddev	22.3	655.	125.0
%RSD	.66761	1.5805	2.4012
#1	3314.8	40734.	5076.4
#2	3359.3	41660.	5217.1
#3	3338.6	42001.	5325.7

Sample Name: 460-109384-E-8-A@4 Acquired: 2/29/2016 23:15:11 Type: Unk
Method: sw02152016(v2) 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	26550.	8.075	1.332	95.46	2.405	4722.
Stddev	91.	1.775	.734	.75	.138	35.
%RSD	.3414	21.98	55.10	.7874	5.749	.7494

#1	26460.	9.952	.7144	94.60	2.398	4682.
#2	26550.	7.851	1.138	95.82	2.270	4735.
#3	26640.	6.422	2.143	95.97	2.547	4749.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.5718	19.24	70.03	49.81	55740.	2143.
Stddev	.0497	.16	.49	.69	328.	38.
%RSD	8.687	.8417	.7053	1.376	.5887	1.780

#1	-.6256	19.42	69.46	49.03	55380.	2103.
#2	-.5277	19.12	70.32	50.11	55800.	2179.
#3	-.5621	19.18	70.31	50.30	56030.	2147.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6435.	257.4	78.13	40.84	24.32	2.482
Stddev	52.	1.0	6.65	.67	.87	2.253
%RSD	.8104	.3827	8.515	1.632	3.561	90.75

#1	6376.	256.3	73.25	40.12	23.32	1.052
#2	6474.	258.1	85.71	41.44	24.90	5.079
#3	6454.	257.9	75.44	40.95	24.74	1.316

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

Sample Name: 460-109384-E-8-A@4 Acquired: 2/29/2016 23:15:11 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.604	-.6785	79.32	112.1	1.733	2.311
Stddev	1.137	1.653	.42	.4	.344	.117
%RSD	31.55	243.7	.5269	.3637	19.83	5.045
#1	3.159	-2.217	78.93	111.6	1.502	2.310
#2	2.757	1.070	79.28	112.3	2.128	2.428
#3	4.896	-.8887	79.76	112.3	1.568	2.195

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	3.933	28.57	799.1	655.6
Stddev	.507	.10	2.1	3.2
%RSD	12.88	.3449	.2635	.4956
#1	3.431	28.49	796.9	658.4
#2	4.444	28.53	799.4	652.0
#3	3.924	28.68	801.1	656.3

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	3140.5	38609.	4687.5
Stddev	16.6	241.	23.9
%RSD	.52706	.62330	.51049
#1	3131.4	38564.	4665.7
#2	3130.4	38395.	4683.8
#3	3159.6	38870.	4713.1

Sample Name: CCV Acquired: 2/29/2016 23:22:56 Type: QC
Method: sw02152016(v2) 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	132200.	2284.	1231.	9450.	1040.	119600.
Stddev	459.	7.	4.	32.	6.	240.
%RSD	.3476	.3157	.3158	.3389	.6165	.2002

#1	131800.	2278.	1235.	9444.	1033.	119700.
#2	132700.	2283.	1231.	9422.	1044.	119800.
#3	132100.	2292.	1227.	9485.	1044.	119400.

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	1201.	2435.	4714.	11990.	101500.	50050.
Stddev	5.	6.	6.	31.	433.	238.
%RSD	.4004	.2382	.1370	.2567	.4271	.4754

#1	1199.	2434.	4707.	12020.	102000.	49930.
#2	1198.	2430.	4719.	11990.	101400.	50320.
#3	1207.	2442.	4715.	11960.	101100.	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	114800.	4900.	119700.	2349.	6950.	952.3
Stddev	239.	1.	592.	11.	29.	2.5
%RSD	.2079	.0209	.4946	.4639	.4230	.2671

#1	115000.	4900.	119400.	2345.	6953.	955.3
#2	114900.	4901.	120400.	2340.	6918.	950.8
#3	114500.	4899.	119300.	2361.	6977.	950.9

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

Sample Name: CCV Acquired: 2/29/2016 23:22:56 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2286.	2518.	2438.	2525.	913.1	2372.
Stddev	15.	4.	1.	8.	2.4	6.
%RSD	.6689	.1688	.0591	.3197	.2582	.2718

#1	2269.	2521.	2439.	2521.	911.6	2371.
#2	2290.	2513.	2440.	2520.	911.8	2366.
#3	2299.	2519.	2437.	2534.	915.8	2379.

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	946.6	5035.	10220.	9506.
Stddev	2.5	24.	12.	37.
%RSD	.2675	.4772	.1178	.3913

#1	945.3	5012.	10210.	9464.
#2	945.1	5060.	10230.	9520.
#3	949.6	5033.	10230.	9534.

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	2938.0	36509.	4673.4
Stddev	13.1	56.	18.3
%RSD	.44723	.15430	.39213

#1	2939.2	36455.	4653.4
#2	2950.5	36568.	4677.5
#3	2924.3	36504.	4689.3

Sample Name: 460-109419-G-20-A@4 Acquired: 2/29/2016 23:38:39 Type: Unk
Method: sw02152016(v2) 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	39950.	10.36	2.722	142.3	2.833	5965.
Stddev	159.	2.49	.595	.5	.103	32.
%RSD	.3986	24.03	21.87	.3335	3.630	.5398

#1	39770.	13.23	2.566	141.8	2.733	5929.
#2	40010.	9.148	2.221	142.7	2.938	5990.
#3	40080.	8.713	3.380	142.5	2.827	5975.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-1.685	17.15	118.6	35.15	104500.	3126.
Stddev	.168	.15	1.0	.50	381.	14.
%RSD	9.946	.8872	.8109	1.426	.3646	.4355

#1	-1.843	17.08	117.6	35.12	104400.	3140.
#2	-1.703	17.32	119.6	34.66	104900.	3113.
#3	-1.509	17.04	118.7	35.66	104100.	3125.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9070.	1364.	3349.	70.66	39.02	2.488
Stddev	18.	3.	23.	.49	.99	3.091
%RSD	.1933	.1856	.6755	.6937	2.529	124.3

#1	9083.	1364.	3330.	70.28	39.59	-.8852
#2	9077.	1367.	3374.	71.21	37.88	5.185
#3	9050.	1361.	3342.	70.47	39.59	3.163

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

Sample Name: 460-109419-G-20-A@4 Acquired: 2/29/2016 23:38:39 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.353	-2.187	116.6	137.5	7.748	1.252
Stddev	2.677	.269	.3	.6	.376	.096
%RSD	79.83	12.31	.2624	.4105	4.848	7.629
#1	.8333	-2.108	116.3	136.9	8.099	1.144
#2	6.163	-1.966	116.9	138.0	7.352	1.326
#3	3.063	-2.487	116.6	137.7	7.793	1.286

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	4.174	37.74	1298.	914.6
Stddev	1.049	.17	1.	20.0
%RSD	25.13	.4541	.0938	2.189
#1	3.793	37.92	1298.	915.6
#2	5.360	37.73	1298.	894.1
#3	3.369	37.57	1300.	934.1

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	3237.7	39989.	4885.9
Stddev	17.5	315.	78.2
%RSD	.54059	.78718	1.6011
#1	3224.0	39765.	4856.8
#2	3231.8	39853.	4826.4
#3	3257.4	40349.	4974.5

Sample Name: MB 460-353117/1-A Acquired: 2/29/2016 23:50:15 Type: QC

Method: sw02152016(v2) 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	3.675	-.4284	.1365	-.0569	-.0760	50.81
Stddev	9.784	1.284	.1719	.0589	.1322	4.02
%RSD	266.2	299.7	125.9	103.5	173.9	7.908

#1	-1.733	1.035	.3105	-.1145	-.0496	46.17
#2	14.97	-1.368	.1324	-.0593	-.2195	53.08
#3	-2.211	-.9519	-.0333	.0032	.0410	53.18

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0873	.1274	.0979	.3929	-.6769	-17.02
Stddev	.0487	.0753	.2319	.2759	8.260	19.39
%RSD	55.76	59.11	236.9	70.24	1220.	113.9

#1	.1431	.0428	.3308	.3265	8.250	-15.61
#2	.0535	.1872	-.1330	.1561	-2.231	-37.08
#3	.0653	.1520	.0958	.6959	-8.050	1.622

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.066	.1686	-23.33	.2638	-.8097	.3841
Stddev	6.574	.0288	7.70	.1061	.6364	.8985
%RSD	214.4	17.06	33.00	40.22	78.59	233.9

#1	9.715	.1973	-21.68	.3863	-1.308	.7654
#2	-3.430	.1688	-31.73	.2022	-1.028	1.029
#3	2.911	.1397	-16.60	.2029	-.0930	-.6422

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

Sample Name: MB 460-353117/1-A Acquired: 2/29/2016 23:50:15 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.730	1.905	-.1406	.8642	-.9488	-.2698
Stddev	.428	1.193	.2329	.0251	.9420	.1010
%RSD	24.76	62.65	165.6	2.909	99.28	37.45
#1	1.665	.5516	-.2843	.8554	-1.989	-.2711
#2	1.339	2.806	-.2657	.8926	-.1538	-.1681
#3	2.188	2.357	.1280	.8447	-.7035	-.3702

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	-.1980	-.0352	.0593	21.31
Stddev	1.082	.0571	.1284	10.13
%RSD	546.8	162.5	216.7	47.54
#1	.4062	-.1006	-.0816	9.646
#2	.4476	.0051	.1698	27.93
#3	-1.448	-.0100	.0896	26.35

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	3113.2	38088.	4618.2
Stddev	22.4	459.	70.3
%RSD	.72044	1.2039	1.5219
#1	3138.3	38611.	4696.7
#2	3106.2	37894.	4597.0
#3	3095.1	37758.	4561.0

Sample Name: LCS 460-353117/2-A Acquired: 2/29/2016 23:54:17 Type: QC
Method: sw02152016(v2) 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	2128.	1691.	47.45	1851.	51.95	18600.
Stddev	14.	3.	.56	5.	.16	102.
%RSD	.6736	.1727	1.174	.2906	.3151	.5465

#1	2112.	1695.	48.00	1847.	51.85	18510.
#2	2135.	1690.	47.47	1849.	52.14	18580.
#3	2138.	1690.	46.88	1857.	51.87	18710.

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	47.69	488.7	187.7	228.5	1020.	17970.
Stddev	.15	.2	.7	.8	6.	41.
%RSD	.3166	.0445	.3935	.3388	.6135	.2290

#1	47.65	488.5	187.4	228.0	1021.	17950.
#2	47.57	488.9	187.1	229.4	1013.	17940.
#3	47.86	488.5	188.5	228.1	1026.	18010.

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	17450.	485.8	18300.	478.7	468.9	447.0
Stddev	101.	2.5	110.	1.2	2.2	2.0
%RSD	.5772	.5133	.5986	.2495	.4765	.4539

#1	17350.	483.3	18190.	478.3	466.9	447.0
#2	17450.	485.7	18300.	477.7	468.4	445.0
#3	17550.	488.3	18410.	480.0	471.3	449.1

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

Sample Name: LCS 460-353117/2-A Acquired: 2/29/2016 23:54:17 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1745.	2132.	479.4	514.0	447.4	464.3
Stddev	7.	5.	3.2	1.2	.8	.9
%RSD	.4108	.2474	.6776	.2371	.1708	.1924

#1	1753.	2132.	475.8	514.1	447.5	464.1
#2	1738.	2127.	480.2	512.8	448.2	463.6
#3	1744.	2138.	482.2	515.2	446.6	465.3

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	476.0	486.5	504.8	223.0
Stddev	2.3	1.8	1.0	17.2
%RSD	.4767	.3662	.1978	7.695

#1	474.4	484.9	504.1	203.7
#2	475.1	488.4	504.3	228.9
#3	478.6	486.4	505.9	236.4

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	3060.5	37871.	4605.4
Stddev	27.9	318.	56.7
%RSD	.91066	.83841	1.2314

#1	3086.1	37997.	4641.5
#2	3064.8	38107.	4634.8
#3	3030.8	37510.	4540.1

Sample Name: 460-109486-F-3-B DU Acquired: 2/29/2016 23:57:58 Type: Unk
Method: sw02152016(v2) 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	194.5	2.114	.4830	159.5	-.0382	60440.
Stddev	19.8	1.487	.3918	.5	.1275	161.
%RSD	10.16	70.34	81.11	.3061	333.7	.2666
#1	175.5	2.293	.5666	159.0	.0511	60430.
#2	192.9	3.504	.0562	159.6	.0185	60290.
#3	215.0	.5458	.8263	159.9	-.1842	60610.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.4344	-.1572	.5047	10.75	8125.	8115.
Stddev	.0099	.1661	.5601	.20	37.	77.
%RSD	2.282	105.7	111.0	1.879	.4575	.9464
#1	.4253	-.0123	1.139	10.80	8104.	8097.
#2	.4330	-.3385	.2981	10.52	8103.	8199.
#3	.4450	-.1208	.0773	10.92	8168.	8049.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5701.	42.48	74060.	9.476	1.687	1.500
Stddev	2.	.17	310.	.504	.138	1.237
%RSD	.0349	.4060	.4182	5.317	8.179	82.47
#1	5700.	42.67	74200.	9.435	1.614	.2375
#2	5703.	42.34	74270.	8.994	1.600	1.552
#3	5700.	42.43	73700.	9.999	1.846	2.709

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

Sample Name: 460-109486-F-3-B DU Acquired: 2/29/2016 23:57:58 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.832	.0627	.2583	435.6	99.67	.7137
Stddev	2.079	3.693	.2760	1.5	.16	.0642
%RSD	73.39	5894.	106.9	.3435	.1614	8.995
#1	5.095	.7485	.3328	437.3	99.84	.7837
#2	2.392	3.365	-.0473	434.7	99.53	.6998
#3	1.009	-3.925	.4894	434.8	99.64	.6576

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	.0883	293.9	2.487	8984.
Stddev	.4101	1.3	.153	69.
%RSD	464.3	.4520	6.154	.7674
#1	.4830	295.0	2.350	8970.
#2	-.3356	294.3	2.653	9059.
#3	.1175	292.5	2.460	8923.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3011.9	37446.	4663.9
Stddev	8.1	147.	15.5
%RSD	.26841	.39193	.33293
#1	3003.0	37342.	4646.2
#2	3013.9	37614.	4670.1
#3	3018.8	37383.	4675.4

Sample Name: sd 460-109486-F-3-A Acquired: 3/1/2016 0:06:04 Type: Unk

Method: sw02152016(v2) 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	41.10	-.1435	.0405	31.06	-.0069	11760.
Stddev	11.65	1.464	.3706	.10	.0652	37.
%RSD	28.36	1020.	914.7	.3224	944.0	.3117

#1	38.74	.7010	.3999	31.02	-.0328	11720.
#2	53.75	-1.834	.0620	31.18	.0673	11790.
#3	30.80	.7028	-.3403	30.99	-.0552	11770.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0900	-.0415	-.0359	2.223	1604.	1540.
Stddev	.0445	.1639	.2762	.115	19.	34.
%RSD	49.40	394.8	768.4	5.157	1.174	2.204

#1	.1350	.1473	.2068	2.091	1591.	1569.
#2	.0888	-.1465	.0218	2.278	1595.	1503.
#3	.0461	-.1254	-.3364	2.300	1626.	1547.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1119.	8.400	14240.	2.040	-.1338	-.3977
Stddev	6.	.066	56.	.148	.9632	.0786
%RSD	.4988	.7887	.3912	7.249	719.8	19.77

#1	1117.	8.412	14300.	1.898	.9242	-.4485
#2	1125.	8.459	14230.	2.029	-.9598	-.3071
#3	1114.	8.328	14190.	2.194	-.3659	-.4374

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

Sample Name: sd 460-109486-F-3-A Acquired: 3/1/2016 0:06:04 Type: Unk

Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.005	.2854	-.2998	84.84	18.34	-.0888
Stddev	.777	.3342	.5001	.62	.60	.2760
%RSD	77.32	117.1	166.8	.7304	3.282	310.9

#1	-.2779	.5769	.2671	84.14	19.03	.0605
#2	-.9127	.3586	-.4875	85.06	18.05	-.4073
#3	-1.823	-.0794	-.6789	85.32	17.94	.0805

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	-.2671	57.62	.8673	1739.
Stddev	.3469	.20	.0877	7.
%RSD	129.9	.3522	10.11	.4263

#1	-.2233	57.51	.7781	1744.
#2	-.6338	57.49	.8707	1743.
#3	.0558	57.85	.9533	1731.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3172.6	39589.	4963.4
Stddev	19.7	193.	17.5
%RSD	.62107	.48869	.35174

#1	3158.9	39674.	4979.6
#2	3163.7	39367.	4965.8
#3	3195.2	39725.	4944.9

Sample Name: CCB Acquired: 3/1/2016 0:17:37 Type: QC
Method: sw02152016(v2) 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	1.510	-.5155	.2351	.1288	-.0719	60.26
Stddev	7.274	.7377	.4397	.0821	.0590	12.51
%RSD	481.7	143.1	187.0	63.76	82.06	20.76
#1	-1.728	.1824	.3103	.2236	-.0484	61.07
#2	-3.582	-1.287	-.2373	.0822	-.0283	47.36
#3	9.841	-.4415	.6323	.0805	-.1391	72.34

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.0165	-.0726	.7393	1.578	13.41	31.25
Stddev	.1072	.2165	.7586	1.300	6.90	52.15
%RSD	647.8	298.2	102.6	82.39	51.47	166.9
#1	.0575	.1727	.5735	1.027	8.052	79.43
#2	-.1395	-.2372	.0774	.6447	10.98	-24.13
#3	.0324	-.1533	1.567	3.064	21.20	38.44

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.93	.5688	-4.241	.4864	.0238	2.673
Stddev	13.20	.5728	7.907	.3643	1.587	.981
%RSD	82.85	100.7	186.5	74.89	6672.	36.71
#1	15.23	.3913	4.881	.4654	.1933	3.614
#2	3.097	.1058	-9.149	.8608	1.519	2.749
#3	29.47	1.209	-8.455	.1331	-1.641	1.656

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

Sample Name: CCB Acquired: 3/1/2016 0:17:37 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.099	.9148	-.0788	-.0360	1.851	1.003
Stddev	2.506	2.504	.3773	.3165	.405	.584
%RSD	227.9	273.7	478.8	879.0	21.85	58.20
#1	-1.492	3.500	.1995	-.2117	2.318	1.637
#2	3.510	-1.499	-.5082	-.2258	1.592	.8824
#3	1.281	.7432	.0723	.3294	1.645	.4888

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	-.5232	.0442	1.399	9.164
Stddev	.5014	.0950	1.127	3.977
%RSD	95.84	215.0	80.56	43.40
#1	-.0307	.0519	1.354	5.175
#2	-.5056	-.0544	.2952	13.13
#3	-1.033	.1352	2.548	9.188

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	3044.0	37260.	4554.3
Stddev	22.2	95.	39.6
%RSD	.72780	.25420	.87037
#1	3028.6	37186.	4515.8
#2	3033.9	37367.	4552.1
#3	3069.4	37227.	4595.0

Sample Name: pds 460-109486-F-3-A Acquired: 3/1/2016 0:25:40 Type: Unk
Method: sw02152016(v2) 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	2426.	1821.	50.28	2095.	55.39	79840.
Stddev	19.	16.	.46	2.	.34	377.
%RSD	.8012	.8938	.9197	.0972	.6075	.4719

#1	2440.	1837.	50.22	2096.	55.28	79490.
#2	2435.	1821.	49.86	2097.	55.76	80240.
#3	2404.	1804.	50.78	2093.	55.11	79810.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	50.33	510.9	201.0	253.4	9054.	27160.
Stddev	.14	2.1	.7	.8	14.	79.
%RSD	.2835	.4031	.3275	.3262	.1497	.2911

#1	50.48	512.9	201.6	253.8	9046.	27070.
#2	50.19	511.1	201.1	252.4	9069.	27220.
#3	50.31	508.8	200.3	253.8	9046.	27190.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23900.	555.1	91830.	506.7	486.1	476.6
Stddev	84.	1.7	267.	2.4	4.2	2.4
%RSD	.3501	.3054	.2911	.4822	.8616	.5071

#1	23820.	553.8	91540.	509.0	489.9	479.3
#2	23990.	557.0	91880.	506.8	486.9	474.6
#3	23900.	554.5	92070.	504.1	481.6	475.9

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

Sample Name: pds 460-109486-F-3-A Acquired: 3/1/2016 0:25:40 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1869.	2167.	512.8	968.6	568.0	491.2
Stddev	28.	7.	1.1	3.9	1.8	.8
%RSD	1.484	.3331	.2069	.4039	.3233	.1597
#1	1898.	2174.	512.2	972.9	570.1	491.6
#2	1865.	2168.	514.0	967.6	566.8	490.3
#3	1843.	2159.	512.1	965.3	567.2	491.7

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	499.3	803.8	538.6	8971.
Stddev	1.8	2.5	2.2	61.
%RSD	.3586	.3135	.3997	.6760
#1	498.7	805.2	540.2	9009.
#2	498.0	805.2	539.5	9003.
#3	501.4	800.8	536.1	8901.

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

Int. Std.	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	36598.	4552.8
Stddev	29.8	452.	81.3
%RSD	1.0047	1.2338	1.7851
#1	3001.6	37116.	4642.2
#2	2969.2	36385.	4532.8
#3	2942.0	36292.	4483.4

Sample Name: 460-109472-E-8-A@2 Acquired: 3/1/2016 0:37:23 Type: Unk
Method: sw02152016(v2) 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	543.0	6.475	.2780	1276.	-.1055	94090.
Stddev	28.4	1.413	.1429	2.	.0714	470.
%RSD	5.223	21.82	51.40	.1937	67.64	.4998
#1	560.9	6.747	.3462	1273.	-.1735	94600.
#2	557.8	4.945	.1138	1276.	-.0312	93660.
#3	510.3	7.732	.3740	1278.	-.1117	94020.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0163	1.723	.8866	2.780	7362.	773.2
Stddev	.0819	.184	.2141	.105	72.	16.9
%RSD	502.7	10.69	24.15	3.787	.9754	2.187
#1	.0592	1.788	.7995	2.666	7444.	753.9
#2	-.0782	1.515	1.131	2.801	7327.	785.5
#3	.0679	1.865	.7297	2.873	7314.	780.3

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	18000.	1214.	103100.	6.466	2.608	-.1563
Stddev	60.	4.	158.	.655	1.047	.1244
%RSD	.3315	.3648	.1532	10.13	40.16	79.58
#1	18060.	1219.	103100.	7.212	3.105	-.2916
#2	17940.	1210.	103000.	6.202	1.405	-.0470
#3	17990.	1213.	103300.	5.984	3.315	-.1303

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

Sample Name: 460-109472-E-8-A@2 Acquired: 3/1/2016 0:37:23 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0187	2.089	2.529	4.255	31.33	.9726
Stddev	.8593	1.278	.212	.123	.40	.2268
%RSD	4599.	61.15	8.402	2.888	1.289	23.32
#1	-.4471	.9230	2.489	4.169	31.11	1.032
#2	.9706	3.455	2.759	4.396	31.08	1.164
#3	-.5796	1.890	2.340	4.201	31.79	.7220

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	-.1180	220.8	10.11	7290.
Stddev	.4566	.7	.41	101.
%RSD	386.9	.3243	4.040	1.379
#1	.1559	221.6	9.928	7183.
#2	.1352	220.6	9.832	7304.
#3	-.6451	220.2	10.58	7383.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3008.7	37637.	4777.3
Stddev	22.9	247.	26.3
%RSD	.76030	.65725	.55005
#1	3030.4	37371.	4751.7
#2	3010.8	37861.	4804.2
#3	2984.8	37679.	4776.0

Sample Name: 460-109472-E-9-A@2 Acquired: 3/1/2016 0:41:21 Type: Unk

Method: sw02152016(v2) 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	560.3	8.610	.5516	347.8	-.1084	105900.
Stddev	13.5	1.815	.3033	1.4	.0967	732.
%RSD	2.414	21.08	55.00	.4033	89.15	.6912

#1	552.6	9.452	.4675	346.2	-.0055	105100.
#2	552.4	6.527	.2992	348.3	-.1973	106000.
#3	575.9	9.852	.8881	348.9	-.1226	106500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.1743	45.96	.7011	11.18	12500.	40030.
Stddev	.0724	.37	.1527	.20	121.	72.
%RSD	41.54	.8031	21.79	1.755	.9637	.1790

#1	-.2507	45.53	.6286	11.32	12370.	40030.
#2	-.1066	46.15	.8766	11.26	12580.	40100.
#3	-.1656	46.20	.5980	10.96	12570.	39950.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13730.	1467.	36250.	106.1	2.967	-1.174
Stddev	96.	10.	89.	1.2	1.529	.956
%RSD	.7021	.7026	.2442	1.107	51.54	81.44

#1	13630.	1456.	36230.	105.1	1.202	-2.274
#2	13750.	1470.	36350.	105.9	3.898	-.5385
#3	13820.	1475.	36180.	107.4	3.802	-.7103

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

Sample Name: 460-109472-E-9-A@2 Acquired: 3/1/2016 0:41:21 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.189	1.646	45.14	48.66	86.47	2.726
Stddev	3.362	1.107	.94	.13	.43	.093
%RSD	282.7	67.27	2.088	.2598	.4989	3.415
#1	2.185	.3955	44.06	48.52	86.19	2.761
#2	-4.539	2.502	45.76	48.77	86.26	2.797
#3	-1.215	2.041	45.60	48.70	86.97	2.621

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	.5961	207.9	10.48	9036.
Stddev	.1228	1.0	.16	117.
%RSD	20.60	.4702	1.499	1.299
#1	.7312	206.8	10.34	8900.
#2	.5659	208.7	10.65	9093.
#3	.4912	208.2	10.45	9113.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3019.2	37618.	4828.8
Stddev	9.1	137.	65.8
%RSD	.30042	.36467	1.3617
#1	3008.8	37475.	4758.8
#2	3024.0	37748.	4838.3
#3	3024.9	37630.	4889.3

Sample Name: 460-109472-E-11-A@2 Acquired: 3/1/2016 0:49:16 Type: Unk
Method: sw02152016(v2) 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	280.5	8.328	.0675	57.08	-.0167	19220.
Stddev	14.9	1.182	.4707	.07	.0287	47.
%RSD	5.313	14.19	697.0	.1307	171.5	.2454
#1	289.3	9.038	-.3222	57.00	-.0461	19210.
#2	288.8	6.964	-.0657	57.10	.0113	19180.
#3	263.3	8.982	.5905	57.15	-.0154	19270.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0561	102.8	4.691	22.33	5305.	60940.
Stddev	.0679	.6	.931	.15	41.	86.
%RSD	120.9	.5777	19.85	.6718	.7638	.1404
#1	.1035	102.2	3.712	22.16	5276.	60890.
#2	.0865	102.7	4.796	22.45	5288.	60880.
#3	-.0216	103.4	5.565	22.38	5351.	61040.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2133.	2061.	160100.	148.7	4.266	.8323
Stddev	13.	5.	313.	.9	.608	.0140
%RSD	.5949	.2345	.1958	.6053	14.25	1.687
#1	2126.	2057.	160200.	147.7	4.486	.8199
#2	2126.	2059.	159700.	149.0	3.578	.8294
#3	2148.	2066.	160300.	149.4	4.733	.8475

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

Sample Name: 460-109472-E-11-A@2 Acquired: 3/1/2016 0:49:16 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.271	.9174	32.36	20.35	50.53	3.331
Stddev	1.730	.3518	.75	.06	1.12	.074
%RSD	136.1	38.35	2.303	.2983	2.216	2.216
#1	.5204	.5211	31.53	20.30	49.40	3.329
#2	3.250	1.193	32.97	20.34	50.56	3.258
#3	.0432	1.038	32.57	20.42	51.64	3.405

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	-.3725	323.7	7.211	3968.
Stddev	.7530	.5	.246	5.
%RSD	202.2	.1639	3.404	.1244
#1	.2798	324.2	6.983	3966.
#2	-1.196	323.1	7.471	3973.
#3	-.2007	323.8	7.179	3964.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3031.9	37410.	4779.4
Stddev	22.7	253.	90.6
%RSD	.74796	.67500	1.8948
#1	3051.0	37587.	4854.0
#2	3037.8	37522.	4805.6
#3	3006.8	37121.	4678.7

Sample Name: 460-109472-E-12-A@2 Acquired: 3/1/2016 0:53:10 Type: Unk
Method: sw02152016(v2) 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	695.9	11.82	.1867	37.42	-.0311	53510.
Stddev	15.0	1.00	.5682	.23	.1464	300.
%RSD	2.157	8.482	304.4	.6263	471.2	.5604
#1	701.8	10.95	.7937	37.16	-.0999	53180.
#2	707.0	12.92	.0989	37.51	-.1304	53580.
#3	678.8	11.60	-.3326	37.60	.1371	53760.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.6445	2.903	2.201	11.77	5578.	37130.
Stddev	.1427	.078	.429	.09	44.	55.
%RSD	22.14	2.694	19.49	.7241	.7826	.1474
#1	.7549	2.907	2.260	11.71	5537.	37190.
#2	.6952	2.823	1.745	11.86	5573.	37090.
#3	.4834	2.979	2.597	11.72	5624.	37100.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6298.	1999.	17790.	9.716	3.247	1.272
Stddev	52.	8.	51.	.419	.621	1.746
%RSD	.8310	.3905	.2883	4.314	19.13	137.2
#1	6249.	1990.	17800.	9.234	3.154	-.7375
#2	6293.	2002.	17730.	9.919	3.909	2.142
#3	6353.	2004.	17830.	9.995	2.677	2.412

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

Sample Name: 460-109472-E-12-A@2 Acquired: 3/1/2016 0:53:10 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.785	.6902	8.786	24.51	13.71	37.19
Stddev	4.763	.4743	.419	.28	.32	.21
%RSD	171.0	68.72	4.768	1.138	2.341	.5774
#1	6.023	.2881	8.304	24.51	13.58	37.01
#2	-2.685	1.213	8.999	24.23	13.48	37.13
#3	5.016	.5693	9.056	24.79	14.08	37.42

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	1.197	135.3	18.25	6826.
Stddev	.683	.2	1.04	22.
%RSD	57.04	.1223	5.707	.3176
#1	1.579	135.1	17.53	6810.
#2	1.602	135.3	19.45	6850.
#3	.4087	135.5	17.78	6817.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3055.9	37801.	4704.0
Stddev	7.4	71.	10.5
%RSD	.24149	.18876	.22405
#1	3064.1	37883.	4699.8
#2	3053.6	37772.	4715.9
#3	3049.9	37749.	4696.1

Sample Name: 460-109486-F-1-A@2 Acquired: 3/1/2016 1:01:08 Type: Unk
Method: sw02152016(v2) 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	310.1	4.625	.2239	696.0	-.0980	125400.
Stddev	9.2	3.155	.6441	2.2	.0680	389.
%RSD	2.970	68.21	287.7	.3205	69.41	.3101

#1	302.6	5.921	-.3792	697.2	-.1719	125000.
#2	320.4	6.926	.9025	697.3	-.0841	125500.
#3	307.2	1.029	.1484	693.4	-.0380	125700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.0049	-.5745	-.2840	1.874	9309.	30260.
Stddev	.0536	.0533	.3295	.222	62.	33.
%RSD	1100.	9.275	116.0	11.87	.6631	.1093

#1	-.0282	-.6046	-.4497	1.962	9241.	30220.
#2	.0564	-.5129	-.4978	1.621	9324.	30280.
#3	-.0428	-.6058	.0954	2.038	9362.	30270.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26480.	168.7	F 2950000.	.9017	1.225	-1.695
Stddev	57.	.4	215800.	.4850	.715	2.873
%RSD	.2159	.2498	7.314	53.79	58.40	169.5

#1	26430.	168.5	3189000.	1.418	1.425	-3.113
#2	26470.	168.5	2892000.	.8306	.4309	1.611
#3	26540.	169.2	2770000.	.4562	1.819	-3.583

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

Sample Name: 460-109486-F-1-A@2 Acquired: 3/1/2016 1:01:08 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3179	-1.403	.8093	2.582	252.2	1.647
Stddev	.6882	1.684	.4215	.120	1.5	.251
%RSD	216.5	120.0	52.08	4.654	.5813	15.23
#1	1.093	-3.250	1.233	2.460	253.9	1.884
#2	-.2197	-1.010	.8048	2.586	251.5	1.675
#3	.0799	.0497	.3901	2.700	251.3	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	.2898	873.4	2.923	3756.
Stddev	.6716	4.7	.200	25.
%RSD	231.7	.5429	6.838	.6587
#1	-.3960	878.5	2.975	3785.
#2	.9462	872.5	2.702	3743.
#3	.3193	869.2	3.091	3741.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2610.2	30638.	4421.3
Stddev	10.4	131.	26.4
%RSD	.39811	.42693	.59817
#1	2598.6	30781.	4446.9
#2	2613.5	30608.	4394.1
#3	2618.6	30524.	4422.8

Sample Name: CCV Acquired: 3/1/2016 1:05:16 Type: QC
Method: sw02152016(v2) 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	128400.	2244.	1199.	9286.	1022.	118600.
Stddev	316.	3.	2.	10.	4.	220.
%RSD	.2457	.1136	.1849	.1047	.3957	.1852

#1	128500.	2246.	1197.	9277.	1024.	118600.
#2	128700.	2241.	1201.	9284.	1025.	118700.
#3	128100.	2245.	1198.	9296.	1017.	118300.

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	1183.	2389.	4678.	11610.	99880.	48850.
Stddev	1.	2.	5.	19.	14.	125.
%RSD	.0843	.0665	.1003	.1621	.0136	.2554

#1	1183.	2389.	4673.	11600.	99870.	48770.
#2	1182.	2387.	4683.	11630.	99890.	49000.
#3	1184.	2390.	4677.	11600.	99870.	48790.

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	113800.	4842.	115200.	2321.	6855.	930.5
Stddev	102.	6.	1111.	2.	6.	2.9
%RSD	.0897	.1226	.9641	.0809	.0859	.3087

#1	113700.	4842.	114000.	2322.	6857.	927.5
#2	113900.	4847.	116100.	2319.	6848.	930.6
#3	113800.	4836.	115500.	2322.	6860.	933.2

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

Sample Name: CCV Acquired: 3/1/2016 1:05:16 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2251.	2469.	2399.	2496.	F 894.6	2328.
Stddev	5.	2.	2.	8.	4.2	5.
%RSD	.2148	.0879	.0629	.3325	.4695	.2346
#1	2247.	2467.	2398.	2506.	890.1	2324.
#2	2249.	2471.	2400.	2492.	895.1	2326.
#3	2256.	2468.	2397.	2492.	898.5	2335.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value					1000.	
Range					-10.50%	

Elem	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	934.7	4915.	10040.	9114.
Stddev	3.6	3.	22.	110.
%RSD	.3866	.0585	.2152	1.208
#1	938.3	4913.	10050.	9057.
#2	931.1	4918.	10010.	9044.
#3	934.5	4913.	10050.	9241.

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	2931.3	35839.	4567.0
Stddev	12.9	109.	64.6
%RSD	.44007	.30282	1.4155
#1	2917.9	35832.	4517.1
#2	2943.7	35734.	4543.8
#3	2932.3	35950.	4640.0

Sample Name: CCB Acquired: 3/1/2016 1:09:02 Type: QC
Method: sw02152016(v2) 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	28.04	-1.080	.4400	.3431	.0349	50.74
Stddev	8.77	1.729	.3232	.1220	.0260	1.50
%RSD	31.29	160.1	73.45	35.55	74.57	2.949
#1	37.87	-2.751	.6123	.4606	.0610	49.35
#2	25.24	.7016	.6406	.3516	.0090	52.32
#3	21.01	-1.190	.0672	.2171	.0345	50.55

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0971	.1716	.0258	.6108	-4.735	40.84
Stddev	.0429	.0995	.3507	.3284	5.055	34.69
%RSD	44.18	57.96	1360.	53.77	106.8	84.94
#1	.0476	.0810	.1364	.7699	-2.241	74.56
#2	.1227	.1557	.3079	.8294	-1.412	42.71
#3	.1211	.2780	-.3669	.2331	-10.55	5.253

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.629	.2578	243.0	-.0509	.3121	2.519
Stddev	2.908	.0882	58.9	.3766	1.470	1.203
%RSD	62.82	34.20	24.25	739.2	471.0	47.75
#1	7.079	.3558	293.2	-.0994	.9903	3.454
#2	1.415	.2324	257.6	-.4010	1.321	2.940
#3	5.392	.1850	178.1	.3476	-1.375	1.162

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

Sample Name: CCB Acquired: 3/1/2016 1:09:02 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.976	.6840	-.1876	-.1281	.9846	.9568
Stddev	2.881	1.120	.3234	.0731	.8414	.3896
%RSD	145.8	163.7	172.4	57.05	85.46	40.72
#1	4.480	1.971	.0957	-.2123	1.254	1.377
#2	2.620	-.0696	-.1186	-.0892	1.659	.8853
#3	-1.173	.1511	-.5399	-.0827	.0415	.6079

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	.1944	.1167	.5491	10.35
Stddev	.1346	.1761	.2977	7.36
%RSD	69.26	150.9	54.22	71.12
#1	.0521	.2974	.7976	14.71
#2	.2112	.1070	.6306	1.851
#3	.3198	-.0544	.2191	14.49

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	3110.2	37977.	4663.9
Stddev	21.2	60.	44.5
%RSD	.68101	.15738	.95350
#1	3103.0	37908.	4619.6
#2	3093.5	38014.	4708.5
#3	3134.0	38009.	4663.5

Sample Name: CCVL Acquired: 3/1/2016 1:13:11 Type: QC
Method: sw02152016(v2) 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	231.1	13.47	9.674	197.4	2.073	4929.
Stddev	8.1	.97	.592	.1	.056	6.
%RSD	3.522	7.225	6.117	.0291	2.694	.1138

#1	236.8	12.55	9.929	197.4	2.078	4935.
#2	221.8	14.49	8.997	197.3	2.015	4930.
#3	234.7	13.36	10.09	197.4	2.126	4924.

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	4.140	52.21	10.10	24.27	160.9	4942.
Stddev	.056	.20	.19	.06	4.2	40.
%RSD	1.362	.3874	1.903	.2575	2.601	.8118

#1	4.116	52.04	10.31	24.23	163.6	4954.
#2	4.100	52.15	10.04	24.34	163.0	4974.
#3	4.205	52.43	9.940	24.23	156.1	4897.

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	4679.	15.71	4862.	41.06	11.41	19.62
Stddev	11.	.18	52.	.40	.82	1.12
%RSD	.2284	1.169	1.078	.9691	7.190	5.702

#1	4689.	15.58	4844.	40.67	11.78	20.47
#2	4681.	15.64	4820.	41.05	10.46	18.35
#3	4667.	15.92	4921.	41.47	11.97	20.05

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

Sample Name: CCVL Acquired: 3/1/2016 1:13:11 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.99	23.45	49.53	32.10	45.98	19.22
Stddev	1.94	.72	.52	.12	.20	.19
%RSD	10.24	3.086	1.042	.3859	.4410	.9898
#1	18.71	24.08	49.56	31.96	45.75	19.00
#2	17.20	23.59	50.03	32.19	46.06	19.34
#3	21.06	22.66	49.00	32.14	46.14	19.32

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	48.83	20.43	21.23	F 9.927
Stddev	.65	.12	.15	8.928
%RSD	1.325	.6031	.7044	89.94
#1	49.49	20.37	21.10	5.221
#2	48.78	20.35	21.39	20.22
#3	48.20	20.57	21.20	4.337

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	3129.7	38281.	4667.8
Stddev	2.6	169.	17.7
%RSD	.08314	.44123	.37830
#1	3132.7	38448.	4679.0
#2	3128.9	38286.	4677.1
#3	3127.7	38110.	4647.5

Sample Name: 460-109486-F-4-A@2 Acquired: 3/1/2016 1:21:11 Type: Unk

Method: sw02152016(v2) 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	297.8	5.222	.5105	2207.	-.0803	120500.
Stddev	13.8	2.070	.5077	7.	.0395	39.
%RSD	4.626	39.64	99.44	.3306	49.16	.0321

#1	295.3	4.545	.0724	2202.	-.0775	120500.
#2	285.5	7.547	1.067	2205.	-.1211	120400.
#3	312.7	3.576	.3922	2216.	-.0423	120500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0781	-.8346	-.2085	1.353	22360.	41550.
Stddev	.1217	.2724	.5115	.378	134.	474.
%RSD	155.8	32.64	245.3	27.92	.5994	1.141

#1	-.0624	-1.039	.3706	1.741	22370.	41020.
#2	.1491	-.5253	-.3975	.9867	22220.	41670.
#3	.1476	-.9397	-.5987	1.332	22490.	41950.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50440.	235.6	F 3580000.	.1739	2.778	.6811
Stddev	36.	.4	357200.	.7153	1.789	3.626
%RSD	.0707	.1529	9.978	411.3	64.39	532.4

#1	50480.	235.2	3965000.	-.5700	2.741	1.451
#2	50420.	235.5	3514000.	.8567	1.008	3.861
#3	50430.	236.0	3260000.	.2351	4.586	-3.268

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

Sample Name: 460-109486-F-4-A@2 Acquired: 3/1/2016 1:21:11 Type: Unk

Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8417	-2.687	.8008	3.294	272.2	.0802
Stddev	2.706	2.200	.4574	.228	1.6	.2889
%RSD	321.5	81.87	57.12	6.930	.5900	360.0

#1	.1082	-3.967	.6654	3.108	270.7	-.0910
#2	3.839	-.1467	.4263	3.549	272.0	.4138
#3	-1.422	-3.948	1.311	3.226	273.9	-.0820

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	-.8300	1553.	2.597	3170.
Stddev	.8673	3.	.227	17.
%RSD	104.5	.2215	8.721	.5344

#1	-1.221	1554.	2.858	3190.
#2	-1.433	1549.	2.486	3160.
#3	.1640	1556.	2.447	3161.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2520.4	29371.	4334.3
Stddev	4.0	150.	62.8
%RSD	.16043	.51182	1.4494

#1	2515.8	29221.	4267.7
#2	2522.6	29371.	4342.9
#3	2522.9	29522.	4392.4

Sample Name: 460-109486-F-5-A@2 Acquired: 3/1/2016 1:25:19 Type: Unk

Method: sw02152016(v2) 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	200.4	2.999	.3482	119.6	-.1045	37790.
Stddev	7.1	1.063	.4367	.7	.0619	190.
%RSD	3.542	35.46	125.4	.5494	59.28	.5033

#1	206.8	2.503	.0117	120.3	-.1705	38000.
#2	201.7	4.220	.1911	119.1	-.0477	37640.
#3	192.8	2.274	.8418	119.3	-.0952	37730.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	.0043	.1554	-.0531	.8481	6367.	5508.
Stddev	.0843	.1096	.5974	.1418	31.	37.
%RSD	1953.	70.54	1124.	16.72	.4895	.6766

#1	.0459	.2262	.4143	.6856	6366.	5506.
#2	-.0926	.2109	-.7262	.9120	6337.	5546.
#3	.0597	.0291	.1525	.9468	6399.	5472.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4486.	165.2	F 519100.	.8468	1.659	1.079
Stddev	43.	.8	4594.	.4559	1.985	1.658
%RSD	.9643	.4925	.8849	53.84	119.6	153.6

#1	4535.	166.2	514500.	.6286	3.814	.5194
#2	4470.	164.7	519300.	.5409	1.256	-.2265
#3	4453.	164.8	523700.	1.371	-.0934	2.944

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

Sample Name: 460-109486-F-5-A@2 Acquired: 3/1/2016 1:25:19 Type: Unk
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.931	-.2152	.7492	1.859	52.78	-.0035
Stddev	2.092	.8081	.0138	.426	.78	.5317
%RSD	71.36	375.5	1.838	22.93	1.469	15130.
#1	.6389	-1.131	.7342	1.372	53.64	.1457
#2	4.736	.0893	.7613	2.044	52.14	.4376
#3	3.418	.3965	.7519	2.162	52.57	-.5939

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	-1.047	230.7	5.377	1644.
Stddev	.733	1.6	.605	18.
%RSD	69.98	.7041	11.25	1.087
#1	-1.471	229.1	6.060	1662.
#2	-.2011	232.3	4.905	1645.
#3	-1.470	230.8	5.167	1626.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2977.3	36140.	4792.6
Stddev	8.4	463.	39.2
%RSD	.28308	1.2824	.81837
#1	2982.4	35687.	4761.7
#2	2981.9	36614.	4836.8
#3	2967.6	36120.	4779.4

Sample Name: 460-109486-F-6-A@2 Acquired: 3/1/2016 1:29:26 Type: Unk

Method: sw02152016(v2) 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	68.89	2.060	.5695	47.79	-.1012	13260.
Stddev	4.21	3.823	.1523	.32	.0215	46.
%RSD	6.104	185.6	26.74	.6750	21.29	.3500

#1	66.42	3.300	.4570	47.42	-.0974	13210.
#2	66.50	-2.230	.7427	47.93	-.0818	13260.
#3	73.74	5.109	.5087	48.02	-.1244	13300.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.0001	.7450	.2644	29.33	1196.	3655.
Stddev	.1424	.1701	.5550	.58	12.	39.
%RSD	246800.	22.83	209.9	1.967	1.012	1.067

#1	.1548	.9358	-.1183	29.17	1193.	3618.
#2	-.0298	.6897	.0105	29.97	1210.	3651.
#3	-.1252	.6095	.9010	28.85	1186.	3696.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2121.	606.5	F 282500.	.9193	.6163	1.379
Stddev	4.	1.2	4124.	.6672	1.172	.720
%RSD	.1928	.2027	1.460	72.58	190.2	52.21

#1	2121.	605.2	284100.	.5153	.2668	1.408
#2	2126.	606.9	277800.	1.689	1.924	.6451
#3	2118.	607.6	285600.	.5531	-.3416	2.084

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

Sample Name: 460-109486-F-6-A@2 Acquired: 3/1/2016 1:29:26 Type: Unk

Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.925	1.277	.2576	39.58	52.56	.1050
Stddev	3.907	.665	.5828	.38	.58	.0909
%RSD	133.6	52.07	226.2	.9474	1.113	86.58

#1	7.264	.7228	.1800	39.15	52.27	.0548
#2	-.3149	1.094	.8754	39.79	53.23	.0502
#3	1.825	2.014	-.2824	39.80	52.18	.2099

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	-.5232	91.68	1.860	1985.
Stddev	.4450	.25	.104	41.
%RSD	85.05	.2775	5.592	2.061

#1	-.9465	91.55	1.835	2020.
#2	-.0594	91.51	1.974	1940.
#3	-.5637	91.97	1.770	1996.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2979.5	36531.	4594.1
Stddev	8.2	238.	46.9
%RSD	.27625	.65049	1.0213

#1	2987.7	36805.	4642.5
#2	2979.5	36399.	4591.0
#3	2971.3	36389.	4548.8

Sample Name: 460-109486-F-7-A@2 Acquired: 3/1/2016 1:33:36 Type: Unk

Method: sw02152016(v2) 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	102.2	2.864	.3808	173.6	-.0185	28920.
Stddev	8.0	1.680	.6140	.4	.1447	30.
%RSD	7.777	58.67	161.2	.2241	783.3	.1036

#1	97.00	3.415	.8499	173.3	-.0456	28890.
#2	111.4	4.200	.6068	173.5	-.1477	28950.
#3	98.32	.9776	-.3141	174.1	.1378	28920.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	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	-.1864	.0748	.2167	1.519	7016.	11620.
Stddev	.0367	.0321	.5631	.117	23.	98.
%RSD	19.69	42.85	259.9	7.670	.3283	.8418

#1	-.1755	.0591	.6868	1.440	6990.	11510.
#2	-.1564	.0537	.3707	1.466	7029.	11660.
#3	-.2273	.1117	-.4074	1.653	7029.	11700.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16800.	120.4	F 526600.	2.077	.4693	-.2415
Stddev	53.	.6	8108.	.541	.5735	.7048
%RSD	.3139	.4959	1.540	26.06	122.2	291.9

#1	16760.	119.7	525200.	2.698	.0085	.4174
#2	16780.	120.7	535300.	1.711	1.112	-.1572
#3	16860.	120.8	519300.	1.821	.2879	-.9847

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

Sample Name: 460-109486-F-7-A@2 Acquired: 3/1/2016 1:33:36 Type: Unk

Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.005	-.4055	1.371	1.844	101.3	1.157
Stddev	3.296	2.069	.184	.071	.5	.142
%RSD	327.9	510.3	13.45	3.853	.4561	12.23

#1	-1.186	1.739	1.353	1.908	100.8	1.240
#2	4.796	-.5666	1.563	1.858	101.4	1.239
#3	-.5940	-2.389	1.196	1.768	101.8	.9940

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	-.9055	207.0	2.176	1686.
Stddev	.8342	1.1	.018	18.
%RSD	92.13	.5149	.8055	1.041

#1	-1.722	207.0	2.170	1696.
#2	-.0549	208.1	2.195	1665.
#3	-.9392	206.0	2.162	1695.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2926.3	35476.	4604.3
Stddev	26.0	343.	55.7
%RSD	.88924	.96737	1.2098

#1	2902.4	35195.	4597.7
#2	2922.4	35374.	4552.2
#3	2954.0	35858.	4663.0

Sample Name: CCV Acquired: 3/1/2016 1:37:44 Type: QC
Method: sw02152016(v2) 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	129700.	2264.	1215.	9315.	1024.	118100.
Stddev	647.	8.	3.	16.	4.	730.
%RSD	.4987	.3396	.2670	.1753	.4386	.6177

#1	129100.	2266.	1211.	9314.	1020.	117400.
#2	129600.	2271.	1216.	9331.	1024.	118000.
#3	130400.	2256.	1218.	9299.	1029.	118900.

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	1190.	2410.	4634.	11810.	100700.	49260.
Stddev	2.	5.	14.	27.	764.	190.
%RSD	.2006	.2118	.3128	.2248	.7591	.3849

#1	1188.	2405.	4620.	11800.	99850.	49040.
#2	1193.	2415.	4635.	11840.	100800.	49330.
#3	1189.	2409.	4649.	11780.	101400.	49400.

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	113400.	4842.	116100.	2323.	6853.	945.3
Stddev	353.	25.	166.	5.	12.	2.9
%RSD	.3110	.5222	.1433	.2078	.1685	.3019

#1	113000.	4816.	116100.	2323.	6860.	948.2
#2	113300.	4844.	116300.	2328.	6858.	945.3
#3	113700.	4867.	115900.	2318.	6839.	942.5

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

Sample Name: CCV Acquired: 3/1/2016 1:37:44 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2282.	2496.	2407.	2509.	900.0	2344.
Stddev	16.	4.	11.	14.	1.0	5.
%RSD	.6976	.1539	.4665	.5519	.1150	.2310

#1	2279.	2492.	2395.	2494.	899.8	2342.
#2	2299.	2499.	2409.	2516.	901.1	2350.
#3	2268.	2497.	2418.	2519.	899.0	2340.

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	937.5	4961.	10160.	9305.
Stddev	1.5	1.	100.	97.
%RSD	.1597	.0224	.9824	1.047

#1	936.1	4960.	10110.	9398.
#2	937.4	4961.	10090.	9313.
#3	939.1	4963.	10270.	9203.

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	2971.2	36831.	4749.8
Stddev	4.8	284.	66.6
%RSD	.16260	.77206	1.4016

#1	2969.3	37077.	4813.2
#2	2967.6	36896.	4755.7
#3	2976.7	36520.	4680.4

Sample Name: CCB Acquired: 3/1/2016 1:41:32 Type: QC
Method: sw02152016(v2) 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	10.40	1.843	.2639	.3887	-.0470	56.78
Stddev	7.98	.474	.2838	.6437	.0650	3.25
%RSD	76.71	25.72	107.5	165.6	138.4	5.716
#1	19.48	1.296	.4228	1.120	-.0028	60.41
#2	4.492	2.113	.4327	-.0930	-.1217	55.77
#3	7.234	2.120	-.0638	.1394	-.0166	54.15

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1019	.3486	.0402	.5399	-11.60	35.42
Stddev	.0177	.3785	.2057	.1888	3.13	18.72
%RSD	17.37	108.6	511.6	34.98	26.95	52.83
#1	.0840	.7638	-.0801	.7094	-11.56	14.47
#2	.1024	.2591	-.0771	.3364	-8.492	50.48
#3	.1194	.0229	.2778	.5738	-14.74	41.32

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3521	.1409	200.8	.3195	-.6321	1.684
Stddev	1.860	.0138	20.1	.3374	1.062	1.816
%RSD	528.2	9.809	10.01	105.6	168.0	107.8
#1	.3048	.1252	224.0	.6684	-.3966	2.482
#2	-1.483	.1468	190.0	.2951	.2926	2.965
#3	2.235	.1509	188.5	-.0051	-1.792	-.3942

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

Sample Name: CCB Acquired: 3/1/2016 1:41:32 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.704	.2691	-.2828	.0526	1.194	.9194
Stddev	2.342	1.210	.2057	.1583	.972	.5653
%RSD	137.4	449.6	72.76	301.0	81.45	61.49
#1	-.2729	.5542	-.0534	.1704	2.230	1.562
#2	1.095	-1.058	-.3440	.1148	1.050	.6981
#3	4.291	1.311	-.4509	-.1274	.3017	.4982

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	-.2543	.0855	.4326	4.056
Stddev	.5972	.0550	.0377	11.24
%RSD	234.8	64.41	8.725	277.2
#1	.3356	.1361	.4734	8.434
#2	-.8585	.0934	.4257	12.45
#3	-.2401	.0269	.3988	-8.715

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	3094.1	38070.	4541.9
Stddev	4.3	166.	21.2
%RSD	.14032	.43639	.46617
#1	3098.7	37937.	4550.8
#2	3093.6	38256.	4517.8
#3	3090.1	38018.	4557.3

Sample Name: CCVL Acquired: 3/1/2016 1:45:37 Type: QC
Method: sw02152016(v2) 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	233.6	14.10	10.21	198.7	2.182	4920.
Stddev	4.6	3.11	.18	2.4	.102	37.
%RSD	1.964	22.01	1.733	1.187	4.697	.7441

#1	233.1	10.94	10.01	197.0	2.246	4908.
#2	238.5	17.14	10.35	201.4	2.063	4961.
#3	229.3	14.23	10.28	197.8	2.235	4890.

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	4.301	52.25	9.672	24.08	170.7	4984.
Stddev	.331	.53	.470	.28	3.1	33.
%RSD	7.694	1.012	4.864	1.167	1.833	.6546

#1	4.081	52.22	9.132	23.94	167.1	5007.
#2	4.681	52.80	9.994	24.41	171.9	5000.
#3	4.141	51.74	9.889	23.90	173.0	4947.

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	4673.	15.67	4900.	40.98	11.26	18.97
Stddev	50.	.14	33.	.62	.37	.57
%RSD	1.063	.8859	.6740	1.518	3.293	3.031

#1	4651.	15.60	4915.	40.28	10.86	18.49
#2	4729.	15.83	4923.	41.46	11.34	19.61
#3	4637.	15.58	4862.	41.20	11.59	18.81

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

Sample Name: CCVL Acquired: 3/1/2016 1:45:37 Type: QC
Method: sw02152016(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.48	23.57	49.25	32.42	46.28	19.61
Stddev	1.70	1.63	.60	.35	.49	.44
%RSD	9.224	6.909	1.224	1.074	1.054	2.263
#1	16.92	21.69	49.22	32.10	46.52	19.57
#2	20.30	24.36	49.87	32.79	45.72	20.07
#3	18.21	24.65	48.67	32.37	46.60	19.19

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	48.29	20.55	21.19	F 7.995
Stddev	.87	.05	.23	11.10
%RSD	1.794	.2221	1.107	138.8
#1	48.34	20.60	20.94	-4.237
#2	49.13	20.53	21.40	17.43
#3	47.40	20.52	21.24	10.80

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	3117.4	38125.	4607.5
Stddev	4.3	264.	75.9
%RSD	.13924	.69299	1.6481
#1	3122.3	37894.	4536.0
#2	3114.0	38068.	4599.2
#3	3115.8	38413.	4687.2

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Batch Number: 353000 Batch Start Date: 02/28/16 17:17 Batch Analyst: Esteban, Edgardo ABatch Method: 3050B Batch End Date: 02/28/16 22:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_LCS-int 00055	ME_LCSS_87 00006	
MB 460-353000/1		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-353000/2		3050B, 6010C		CALC NOT SET TO RUN	1.02 g	50 mL		1.02 g	
460-109419-A-49 DU		3050B, 6010C	T	CALC NOT SET TO RUN	1.33 g	50 mL			
460-109419-A-49 MS		3050B, 6010C	T	CALC NOT SET TO RUN	1.31 g	50 mL	2 mL		
460-109448-A-1	B1	3050B, 6010C	T	CALC NOT SET TO RUN	1.33 g	50 mL			

Batch Notes	
Balance ID	#35
Hydrogen Peroxide ID	153972 (Fisher Chemical Brand)
Logbook ID for diluted Nitric	MPR278
Lot # of Nitric Acid	0000124258
Hot Block ID	#1
Oven, Bath or Block Temperature 1	95c Degrees C
Pipette ID	#42
Thermometer ID	ICP-4 (CF -1)
Digestion Tube/Cup ID	J224200-1123
Uncorrected Temperature	96c Celsius

Basis	Basis Description
T	Total/NA

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.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-109448-1

SDG No.: _____

Project: DEC Elmont546; Site: E130150

Client Sample ID
B1

Lab Sample ID
460-109448-1

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-109448-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture RL Date: 02/15/2007 17:07

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		1	
Percent Solids		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-109448-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture XRL Date: 01/01/2007 16:49

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		1	
Percent Solids		1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 03/02/2016 11:33 End Date: 03/02/2016 11:33

[illegible]

Prep Types

$$T = \text{Total}/NA$$

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-109448-1

SDG No.: _____

Batch Number: 353574 Batch Start Date: 03/02/16 11:33 Batch Analyst: Armbruster, ChrisBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-109448-A-1	B1	Moisture	T	62	1.01 g	6.94 g	6.40 g		
460-109448-A-1 DU	B1	Moisture	T	63	1.03 g	6.29 g	5.80 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	3/2/16
Oven Temp In	104 Degrees C
Time samples were place in the oven	11:48
Date samples were removed from oven	3/3/16
Oven Temp Out	104 Degrees C
Time Samples were removed from oven	08:04
Oven ID	3
Thermometer ID	117021
Uncorrected In Temperature	104 Celsius
Uncorrected Out Temperature	104 Celsius

Basis	Basis Description
T	Total/NA

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.

Moisture

Page 1 of 1

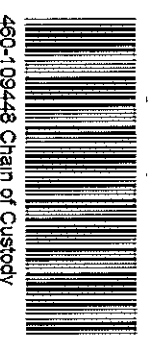
Shipping and Receiving Documents

TestAmerica

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY



460-109448 Chain of Custody

Page ____ of ____

Name (for report and invoice)

IAN HOEMANN

Samplers Name (Printed)

EAR-SG

Site/Project Identification

DEC-ELMONTSG/EL30/SG

Company

EAR

P. O. #

State (Location of site):

NJ: ☐ NY: ☒ Other: ☐

Regulatory Program:

DKQP: ☐

Address

225 HATFIELD AVE

Analysis Turnaround Time

Standard ☒ (10-DAY)

Rush Charges Authorized For:

2 Week ☐

1 Week ☐

Other ☐

ANALYSIS REQUESTED (ENTER % BELOW TO INDICATE REQUEST)

LAB USE ONLY

Project No:

Lab No:

109448

Sample Numbers

1

City

ATCROFT

State

NY

Phone

631-447-6400

Fax

631-447-6447

Sample Identification

B1

Date

7/26/16

Time

1140

Matrix

S

No. of

1

Cont.

X

TCL METALS

(w/o Hg)

X

EPA METHOD

8270 (TCL)

Preservation Used: 1 = ICE, 2 = HCl, 3 = H₂SO₄, 4 = HNO₃, 5 = NaOH

6 = Other UNPMS, 7 = Other

Soil:

6

Water:

6

Special Instructions

ATTACHED IS DECONTAMINATION REQUEST

Water Metals Filtered (Yes/No)?

Relinquished by

EAR

Company

EAR

Date / Time

7/26/16 1307

Received by

1) [Signature]

Company

EA

Relinquished by

EAR

Company

EAR

Date / Time

7/26/16 1740

Received by

2) [Signature]

Company

EA Edison

Relinquished by

EAR

Company

EAR

Date / Time

7/26/16

Received by

3) [Signature]

Company

EA Edison

Relinquished by

EAR

Company

EAR

Date / Time

7/26/16

Received by

4) [Signature]

Company

EA Edison

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

Massachusetts (M-NJ312), North Carolina (No. 578)

6/1/2.1 TRT 6 NOSC

TAL-0016 (0715)

109 448

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1	2	Cooler #4:			Cooler #7:		
	°C	°C		°C	°C		°C	°C
Cooler #2:			Cooler #5:			Cooler #8:		
	°C	°C		°C	°C		°C	°C
Cooler #3:			Cooler #6:			Cooler #9:		
	°C	°C		°C	°C		°C	°C

[illegible]

Date: 7/20/09

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-109448-1

Login Number: 109448
List Number: 1
Creator: Rivera, Kenneth

List Source: TestAmerica Edison

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	2.1°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.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.