

ANALYTICAL REPORT

Job Number: 460-111954-1

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

Melissa Haas

Approved for release.
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Project Manager I
5/19/2016 2:55 PM

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05/19/2016
Revision: 1

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Job Number: 460-111954-1

Job Description: DEC Elmont546; Site: E130150

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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 2:55 PM

Melissa Haas

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CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC Elmont546; Site: E130150

**Report Number: 460-111954-1
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: 460-109954-1. Details are as follows: The client requested that ICVs be reported for VOC and SVOC analysis.

RECEIPT

The sample was received on 4/11/2016 4:40 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.8° C.

Receipt Exceptions

The following sample(s) was collected in an improper container: sample #1. VOC was collected as dirt in jar. Samples were not collected according to 5035L/5035A-L specifications.

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.

VOLATILE ORGANICS

Sample DRY_WELL (460-111954-1) was analyzed for Volatile organics in accordance with EPA SW-846 Method 8260C. The samples were prepared on 04/11/2016 and analyzed on 04/12/2016.

The continuing calibration verification (CCV) analyzed in batch 361975 was outside the method criteria for the following analyte: Trichlorofluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Acetone was detected in method blank MB 460-361975/7 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. .

Refer to the QC report for details.

No other difficulties were encountered during the Volatile organics analysis.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS

Sample DRY_WELL (460-111954-1) was analyzed for Semivolatile organic compounds in accordance with EPA SW-846 Method 8270D. The samples were prepared on 04/11/2016 and analyzed on 04/13/2016.

The continuing calibration verification (CCV) analyzed in batch 460-362226 was outside the method criteria for the following analyte(s):

2,4-Dichlorophenol, Bis(2-chloroethyl)ether, Indeno[1,2,3-cd]pyrene, 2,4,6-Tribromophenol (Surr), Pentachlorophenol and Dibenz(a,h)anthracene). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Several analytes failed the recovery criteria low for the MS/MSD of sample 460-111850-3 in batch 460-362222. 4,6-Dinitro-2-methylphenol and Pentachlorophenol exceeded the RPD limit.

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 DRY_WELL (460-111954-1)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

METALS

Sample DRY_WELL (460-111954-1) was analyzed for Metals in accordance with EPA SW-846 Methods 6010C. The samples were prepared and analyzed on 04/12/2016.

Antimony failed the recovery criteria low for the MS of sample 460-111474-4 in batch 460-362155. Aluminum and Iron failed the recovery criteria high.

Refer to the QC report for details.

Sample DRY_WELL (460-111954-1)[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 DRY_WELL (460-111954-1) was analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 04/11/2016.

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: 460-111954-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-111954-1	DRY_WELL	Solid	04/11/16 11:50	04/11/16 16:40

Detection Summary

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

TestAmerica Job ID: 460-111954-1

Client Sample ID: DRY_WELL

Lab Sample ID: 460-111954-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2-Methylnaphthalene	27	J	730	16	ug/Kg	2	☼	8270D	Total/NA	
Acenaphthene	110	J	730	18	ug/Kg	2	☼	8270D	Total/NA	
Acenaphthylene	160	J	730	19	ug/Kg	2	☼	8270D	Total/NA	
Anthracene	570	J	730	69	ug/Kg	2	☼	8270D	Total/NA	
Benzo[a]anthracene	2200		73	61	ug/Kg	2	☼	8270D	Total/NA	
Benzo[a]pyrene	2100		73	22	ug/Kg	2	☼	8270D	Total/NA	
Benzo[b]fluoranthene	2900		73	28	ug/Kg	2	☼	8270D	Total/NA	
Benzo[g,h,i]perylene	1500		730	42	ug/Kg	2	☼	8270D	Total/NA	
Benzo[k]fluoranthene	1200		73	32	ug/Kg	2	☼	8270D	Total/NA	
Butyl benzyl phthalate	130	J	730	22	ug/Kg	2	☼	8270D	Total/NA	
Carbazole	120	J	730	18	ug/Kg	2	☼	8270D	Total/NA	
Chrysene	2500		730	20	ug/Kg	2	☼	8270D	Total/NA	
Dibenz(a,h)anthracene	480		73	38	ug/Kg	2	☼	8270D	Total/NA	
Dibenzofuran	60	J	730	22	ug/Kg	2	☼	8270D	Total/NA	
Di-n-butyl phthalate	110	J	730	22	ug/Kg	2	☼	8270D	Total/NA	
Fluoranthene	4300		730	22	ug/Kg	2	☼	8270D	Total/NA	
Fluorene	130	J	730	16	ug/Kg	2	☼	8270D	Total/NA	
Indeno[1,2,3-cd]pyrene	2000		73	48	ug/Kg	2	☼	8270D	Total/NA	
Naphthalene	49	J	730	18	ug/Kg	2	☼	8270D	Total/NA	
Phenanthrene	1300		730	19	ug/Kg	2	☼	8270D	Total/NA	
Pyrene	2600		730	33	ug/Kg	2	☼	8270D	Total/NA	
Aluminum	5370		38.7	19.9	mg/Kg	4	☼	6010C	Total/NA	
Arsenic	5.3		2.9	0.95	mg/Kg	4	☼	6010C	Total/NA	
Barium	149		38.7	1.4	mg/Kg	4	☼	6010C	Total/NA	
Cadmium	0.69	J	0.77	0.40	mg/Kg	4	☼	6010C	Total/NA	
Calcium	6670		967	57.2	mg/Kg	4	☼	6010C	Total/NA	
Chromium	14.9		1.9	0.93	mg/Kg	4	☼	6010C	Total/NA	
Cobalt	3.6	J	9.7	1.1	mg/Kg	4	☼	6010C	Total/NA	
Copper	46.9		4.8	1.3	mg/Kg	4	☼	6010C	Total/NA	
Iron	10900		29.0	21.8	mg/Kg	4	☼	6010C	Total/NA	
Lead	491		1.9	0.76	mg/Kg	4	☼	6010C	Total/NA	
Magnesium	2170		967	48.2	mg/Kg	4	☼	6010C	Total/NA	
Manganese	186		2.9	1.0	mg/Kg	4	☼	6010C	Total/NA	
Nickel	12.9		7.7	1.4	mg/Kg	4	☼	6010C	Total/NA	
Potassium	341	J	967	29.3	mg/Kg	4	☼	6010C	Total/NA	
Vanadium	18.7		9.7	0.97	mg/Kg	4	☼	6010C	Total/NA	
Zinc	295		5.8	1.4	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: 460-111954-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
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: 460-111954-1

Client Sample ID: DRY_WELL

Date Collected: 04/11/16 11:50

Date Received: 04/11/16 16:40

Lab Sample ID: 460-111954-1

Matrix: Solid

Percent Solids: 90.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	0.43	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
1,1,2,2-Tetrachloroethane	1.1	U	1.1	0.19	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	U	1.1	0.50	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
1,1,2-Trichloroethane	1.1	U	1.1	0.32	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
1,1-Dichloroethane	1.1	U	1.1	0.38	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
1,1-Dichloroethene	1.1	U	1.1	0.46	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
1,2,3-Trichlorobenzene	1.1	U	1.1	0.12	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
1,2,4-Trichlorobenzene	1.1	U	1.1	0.36	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
1,2-Dibromo-3-Chloropropane	1.1	U	1.1	0.53	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
1,2-Dichlorobenzene	1.1	U	1.1	0.16	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
1,2-Dichloroethane	1.1	U	1.1	0.12	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
1,2-Dichloropropane	1.1	U	1.1	0.19	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
1,3-Dichlorobenzene	1.1	U	1.1	0.14	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
1,4-Dichlorobenzene	1.1	U	1.1	0.15	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
1,4-Dioxane	23	U	23	7.2	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
2-Butanone (MEK)	5.6	U	5.6	0.87	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
2-Hexanone	5.6	U	5.6	1.1	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
4-Methyl-2-pentanone (MIBK)	5.6	U	5.6	2.5	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Acetone	5.6	U	5.6	1.2	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Benzene	1.1	U	1.1	0.23	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Bromoform	1.1	U	1.1	0.15	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Bromomethane	1.1	U	1.1	0.36	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Carbon disulfide	1.1	U	1.1	0.48	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Carbon tetrachloride	1.1	U	1.1	0.48	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Chlorobenzene	1.1	U	1.1	0.16	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Chlorobromomethane	1.1	U	1.1	0.19	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Chlorodibromomethane	1.1	U	1.1	0.17	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Chloroethane	1.1	U	1.1	0.39	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Chloroform	1.1	U	1.1	0.24	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Chloromethane	1.1	U	1.1	0.43	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
cis-1,2-Dichloroethene	1.1	U	1.1	0.25	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
cis-1,3-Dichloropropene	1.1	U	1.1	0.17	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Cyclohexane	1.1	U	1.1	0.52	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Dichlorobromomethane	1.1	U	1.1	0.43	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Dichlorodifluoromethane	1.1	U	1.1	0.36	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Ethylbenzene	1.1	U	1.1	0.20	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Ethylene Dibromide	1.1	U	1.1	0.14	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Isopropylbenzene	1.1	U	1.1	0.19	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Methyl acetate	5.6	U	5.6	1.0	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Methyl tert-butyl ether	1.1	U	1.1	0.19	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Methylcyclohexane	1.1	U	1.1	0.56	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Methylene Chloride	1.1	U	1.1	0.36	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
m-Xylene & p-Xylene	1.1	U	1.1	0.12	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
o-Xylene	1.1	U	1.1	0.18	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Styrene	1.1	U	1.1	0.17	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Tetrachloroethene	1.1	U	1.1	0.32	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Toluene	1.1	U	1.1	0.21	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
trans-1,2-Dichloroethene	1.1	U	1.1	0.44	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
trans-1,3-Dichloropropene	1.1	U	1.1	0.11	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1

TestAmerica Edison

Client Sample Results

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

TestAmerica Job ID: 460-111954-1

Client Sample ID: DRY_WELL

Lab Sample ID: 460-111954-1

Date Collected: 04/11/16 11:50

Matrix: Solid

Date Received: 04/11/16 16:40

Percent Solids: 90.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.1	U	1.1	0.29	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Trichlorofluoromethane	1.1	U	1.1	0.38	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1
Vinyl chloride	1.1	U	1.1	0.44	ug/Kg	☼	04/11/16 19:11	04/12/16 02:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		78 - 135	04/11/16 19:11	04/12/16 02:53	1
4-Bromofluorobenzene	103		67 - 126	04/11/16 19:11	04/12/16 02:53	1
Dibromofluoromethane (Surr)	101		61 - 149	04/11/16 19:11	04/12/16 02:53	1
Toluene-d8 (Surr)	107		73 - 121	04/11/16 19:11	04/12/16 02:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	730	U	730	62	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
1,2,4,5-Tetrachlorobenzene	730	U	730	54	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
2,2'-oxybis[1-chloropropane]	730	U	730	30	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
2,3,4,6-Tetrachlorophenol	730	U	730	68	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
2,4,5-Trichlorophenol	730	U	730	72	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
2,4,6-Trichlorophenol	290	U	290	21	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
2,4-Dichlorophenol	290	U	290	17	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
2,4-Dimethylphenol	730	U	730	160	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
2,4-Dinitrophenol	590	U	590	550	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
2,4-Dinitrotoluene	150	U	150	29	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
2,6-Dinitrotoluene	150	U	150	39	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
2-Chloronaphthalene	730	U	730	17	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
2-Chlorophenol	730	U	730	18	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
2-Methylnaphthalene	27	J	730	16	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
2-Methylphenol	730	U	730	32	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
2-Nitroaniline	730	U	730	24	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
2-Nitrophenol	730	U	730	24	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
3,3'-Dichlorobenzidine	290	U	290	81	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
3-Nitroaniline	730	U	730	22	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
4,6-Dinitro-2-methylphenol	590	U	590	190	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
4-Bromophenyl phenyl ether	730	U	730	23	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
4-Chloro-3-methylphenol	730	U	730	31	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
4-Chloroaniline	730	U	730	19	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
4-Chlorophenyl phenyl ether	730	U	730	22	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
4-Methylphenol	730	U	730	20	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
4-Nitroaniline	730	U	730	28	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
4-Nitrophenol	1500	U	1500	350	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Acenaphthene	110	J	730	18	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Acenaphthylene	160	J	730	19	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Acetophenone	730	U	730	16	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Anthracene	570	J	730	69	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Atrazine	290	U	290	32	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Benzaldehyde	730	U	730	55	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Benzo[a]anthracene	2200		73	61	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Benzo[a]pyrene	2100		73	22	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Benzo[b]fluoranthene	2900		73	28	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Benzo[g,h,i]perylene	1500		730	42	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Benzo[k]fluoranthene	1200		73	32	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2

TestAmerica Edison

Client Sample Results

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

TestAmerica Job ID: 460-111954-1

Client Sample ID: DRY_WELL

Date Collected: 04/11/16 11:50

Date Received: 04/11/16 16:40

Lab Sample ID: 460-111954-1

Matrix: Solid

Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	730	U	730	23	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Bis(2-chloroethyl)ether	73	U	73	17	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Bis(2-ethylhexyl) phthalate	730	U	730	28	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Butyl benzyl phthalate	130	J	730	22	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Caprolactam	730	U	730	52	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Carbazole	120	J	730	18	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Chrysene	2500		730	20	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Dibenz(a,h)anthracene	480		73	38	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Dibenzofuran	60	J	730	22	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Diethyl phthalate	730	U	730	21	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Dimethyl phthalate	730	U	730	21	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Di-n-butyl phthalate	110	J	730	22	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Di-n-octyl phthalate	730	U	730	37	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Fluoranthene	4300		730	22	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Fluorene	130	J	730	16	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Hexachlorobenzene	73	U	73	29	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Hexachlorobutadiene	150	U	150	20	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Hexachlorocyclopentadiene	730	U	730	45	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Hexachloroethane	73	U	73	27	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Indeno[1,2,3-cd]pyrene	2000		73	48	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Isophorone	290	U	290	16	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Naphthalene	49	J	730	18	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Nitrobenzene	73	U	73	23	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
N-Nitrosodi-n-propylamine	73	U	73	24	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
N-Nitrosodiphenylamine	730	U	730	66	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Pentachlorophenol	590	U	590	88	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Phenanthrene	1300		730	19	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Phenol	730	U	730	24	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2
Pyrene	2600		730	33	ug/Kg	☼	04/11/16 20:42	04/13/16 16:01	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	56		10 - 95	04/11/16 20:42	04/13/16 16:01	2
2-Fluorobiphenyl	67		27 - 84	04/11/16 20:42	04/13/16 16:01	2
2-Fluorophenol (Surr)	46		21 - 84	04/11/16 20:42	04/13/16 16:01	2
Nitrobenzene-d5 (Surr)	57		28 - 92	04/11/16 20:42	04/13/16 16:01	2
Phenol-d5 (Surr)	45		22 - 88	04/11/16 20:42	04/13/16 16:01	2
Terphenyl-d14 (Surr)	52		16 - 114	04/11/16 20:42	04/13/16 16:01	2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5370		38.7	19.9	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4
Antimony	3.9	U	3.9	1.5	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4
Arsenic	5.3		2.9	0.95	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4
Barium	149		38.7	1.4	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4
Beryllium	0.39	U	0.39	0.33	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4
Cadmium	0.69	J	0.77	0.40	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4
Calcium	6670		967	57.2	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4
Chromium	14.9		1.9	0.93	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4
Cobalt	3.6	J	9.7	1.1	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4
Copper	46.9		4.8	1.3	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4

TestAmerica Edison

Client Sample Results

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

TestAmerica Job ID: 460-111954-1

Client Sample ID: DRY_WELL

Date Collected: 04/11/16 11:50

Date Received: 04/11/16 16:40

Lab Sample ID: 460-111954-1

Matrix: Solid

Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	10900		29.0	21.8	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4
Lead	491		1.9	0.76	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4
Magnesium	2170		967	48.2	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4
Manganese	186		2.9	1.0	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4
Nickel	12.9		7.7	1.4	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4
Potassium	341	J	967	29.3	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4
Selenium	3.9	U	3.9	1.3	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4
Silver	1.9	U	1.9	0.34	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4
Sodium	967	U	967	65.4	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4
Thallium	3.9	U	3.9	1.7	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4
Vanadium	18.7		9.7	0.97	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4
Zinc	295		5.8	1.4	mg/Kg	☼	04/12/16 07:42	04/12/16 14:46	4

Surrogate Summary

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

TestAmerica Job ID: 460-111954-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (78-135)	BFB (67-126)	DBFM (61-149)	TOL (73-121)
460-111954-1	DRY_WELL	100	103	101	107
LB3 460-361960/1-A	Method Blank	88	92	89	95
LCS 460-361975/3	Lab Control Sample	94	98	93	101
LCSD 460-361975/4	Lab Control Sample Dup	92	99	95	102
MB 460-361975/7	Method Blank	98	100	96	100

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (10-95)	FBP (27-84)	2FP (21-84)	NBZ (28-92)	PHL (22-88)	TPH (16-114)
460-111850-A-3-D MS	Matrix Spike	50	68	58	65	58	76
460-111850-A-3-E MSD	Matrix Spike Duplicate	51	73	60	68	62	76
460-111954-1	DRY_WELL	56	67	46	57	45	52
LCS 460-361911/2-A	Lab Control Sample	68	80	70	76	69	90
LCS 460-361911/3-A	Lab Control Sample	48	81	71	78	72	94
MB 460-361911/1-A	Method Blank	49	73	68	71	67	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: 460-111954-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: LB3 460-361960/1-A

Matrix: Solid

Analysis Batch: 361975

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 361960

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.38	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.17	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.44	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
1,1,2-Trichloroethane	1.0	U	1.0	0.28	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
1,1-Dichloroethane	1.0	U	1.0	0.34	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
1,1-Dichloroethene	1.0	U	1.0	0.41	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.32	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.47	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.14	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
1,2-Dichloroethane	1.0	U	1.0	0.11	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
1,2-Dichloropropane	1.0	U	1.0	0.17	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.12	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
1,4-Dioxane	20	U	20	6.4	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
2-Butanone (MEK)	5.0	U	5.0	0.77	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
2-Hexanone	5.0	U	5.0	0.94	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.2	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Acetone	5.0	U	5.0	1.1	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Benzene	1.0	U	1.0	0.20	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Bromoform	1.0	U	1.0	0.13	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Bromomethane	1.0	U	1.0	0.32	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Carbon disulfide	1.0	U	1.0	0.43	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Carbon tetrachloride	1.0	U	1.0	0.43	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Chlorobenzene	1.0	U	1.0	0.14	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Chlorobromomethane	1.0	U	1.0	0.17	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Chlorodibromomethane	1.0	U	1.0	0.15	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Chloroethane	1.0	U	1.0	0.35	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Chloroform	1.0	U	1.0	0.21	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Chloromethane	1.0	U	1.0	0.38	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Cyclohexane	1.0	U	1.0	0.46	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Dichlorodifluoromethane	1.0	U	1.0	0.32	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Ethylbenzene	1.0	U	1.0	0.18	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Ethylene Dibromide	1.0	U	1.0	0.12	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Isopropylbenzene	1.0	U	1.0	0.17	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Methyl acetate	5.0	U	5.0	0.90	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Methylcyclohexane	1.0	U	1.0	0.50	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Methylene Chloride	1.0	U	1.0	0.32	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
m-Xylene & p-Xylene	1.0	U	1.0	0.11	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
o-Xylene	1.0	U	1.0	0.16	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Styrene	1.0	U	1.0	0.15	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Tetrachloroethene	1.0	U	1.0	0.28	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Toluene	1.0	U	1.0	0.19	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.39	ug/Kg		04/11/16 17:51	04/12/16 00:14	1

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111954-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB3 460-361960/1-A

Matrix: Solid

Analysis Batch: 361975

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 361960

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	1.0	U	1.0	0.10	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Trichloroethene	1.0	U	1.0	0.26	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Trichlorofluoromethane	1.0	U	1.0	0.34	ug/Kg		04/11/16 17:51	04/12/16 00:14	1
Vinyl chloride	1.0	U	1.0	0.39	ug/Kg		04/11/16 17:51	04/12/16 00:14	1

Surrogate	LB3 %Recovery	LB3 Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		78 - 135	04/11/16 17:51	04/12/16 00:14	1
4-Bromofluorobenzene	92		67 - 126	04/11/16 17:51	04/12/16 00:14	1
Dibromofluoromethane (Surr)	89		61 - 149	04/11/16 17:51	04/12/16 00:14	1
Toluene-d8 (Surr)	95		73 - 121	04/11/16 17:51	04/12/16 00:14	1

Lab Sample ID: MB 460-361975/7

Matrix: Solid

Analysis Batch: 361975

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.38	ug/Kg			04/11/16 23:18	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.17	ug/Kg			04/11/16 23:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.44	ug/Kg			04/11/16 23:18	1
1,1,2-Trichloroethane	1.0	U	1.0	0.28	ug/Kg			04/11/16 23:18	1
1,1-Dichloroethane	1.0	U	1.0	0.34	ug/Kg			04/11/16 23:18	1
1,1-Dichloroethene	1.0	U	1.0	0.41	ug/Kg			04/11/16 23:18	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.11	ug/Kg			04/11/16 23:18	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.32	ug/Kg			04/11/16 23:18	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.47	ug/Kg			04/11/16 23:18	1
1,2-Dichlorobenzene	1.0	U	1.0	0.14	ug/Kg			04/11/16 23:18	1
1,2-Dichloroethane	1.0	U	1.0	0.11	ug/Kg			04/11/16 23:18	1
1,2-Dichloropropane	1.0	U	1.0	0.17	ug/Kg			04/11/16 23:18	1
1,3-Dichlorobenzene	1.0	U	1.0	0.12	ug/Kg			04/11/16 23:18	1
1,4-Dichlorobenzene	1.0	U	1.0	0.13	ug/Kg			04/11/16 23:18	1
1,4-Dioxane	20	U	20	6.4	ug/Kg			04/11/16 23:18	1
2-Butanone (MEK)	5.0	U	5.0	0.77	ug/Kg			04/11/16 23:18	1
2-Hexanone	5.0	U	5.0	0.94	ug/Kg			04/11/16 23:18	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.2	ug/Kg			04/11/16 23:18	1
Acetone	2.78	J	5.0	1.1	ug/Kg			04/11/16 23:18	1
Benzene	1.0	U	1.0	0.20	ug/Kg			04/11/16 23:18	1
Bromoform	1.0	U	1.0	0.13	ug/Kg			04/11/16 23:18	1
Bromomethane	1.0	U	1.0	0.32	ug/Kg			04/11/16 23:18	1
Carbon disulfide	1.0	U	1.0	0.43	ug/Kg			04/11/16 23:18	1
Carbon tetrachloride	1.0	U	1.0	0.43	ug/Kg			04/11/16 23:18	1
Chlorobenzene	1.0	U	1.0	0.14	ug/Kg			04/11/16 23:18	1
Chlorobromomethane	1.0	U	1.0	0.17	ug/Kg			04/11/16 23:18	1
Chlorodibromomethane	1.0	U	1.0	0.15	ug/Kg			04/11/16 23:18	1
Chloroethane	1.0	U	1.0	0.35	ug/Kg			04/11/16 23:18	1
Chloroform	1.0	U	1.0	0.21	ug/Kg			04/11/16 23:18	1
Chloromethane	1.0	U	1.0	0.38	ug/Kg			04/11/16 23:18	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/Kg			04/11/16 23:18	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.15	ug/Kg			04/11/16 23:18	1

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111954-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-361975/7

Matrix: Solid

Analysis Batch: 361975

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	1.0	U	1.0	0.46	ug/Kg			04/11/16 23:18	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/Kg			04/11/16 23:18	1
Dichlorodifluoromethane	1.0	U	1.0	0.32	ug/Kg			04/11/16 23:18	1
Ethylbenzene	1.0	U	1.0	0.18	ug/Kg			04/11/16 23:18	1
Ethylene Dibromide	1.0	U	1.0	0.12	ug/Kg			04/11/16 23:18	1
Isopropylbenzene	1.0	U	1.0	0.17	ug/Kg			04/11/16 23:18	1
Methyl acetate	5.0	U	5.0	0.90	ug/Kg			04/11/16 23:18	1
Methyl tert-butyl ether	1.0	U	1.0	0.17	ug/Kg			04/11/16 23:18	1
Methylcyclohexane	1.0	U	1.0	0.50	ug/Kg			04/11/16 23:18	1
Methylene Chloride	1.0	U	1.0	0.32	ug/Kg			04/11/16 23:18	1
m-Xylene & p-Xylene	1.0	U	1.0	0.11	ug/Kg			04/11/16 23:18	1
o-Xylene	1.0	U	1.0	0.16	ug/Kg			04/11/16 23:18	1
Styrene	1.0	U	1.0	0.15	ug/Kg			04/11/16 23:18	1
Tetrachloroethene	1.0	U	1.0	0.28	ug/Kg			04/11/16 23:18	1
Toluene	1.0	U	1.0	0.19	ug/Kg			04/11/16 23:18	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.39	ug/Kg			04/11/16 23:18	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.10	ug/Kg			04/11/16 23:18	1
Trichloroethene	1.0	U	1.0	0.26	ug/Kg			04/11/16 23:18	1
Trichlorofluoromethane	1.0	U	1.0	0.34	ug/Kg			04/11/16 23:18	1
Vinyl chloride	1.0	U	1.0	0.39	ug/Kg			04/11/16 23:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		78 - 135		04/11/16 23:18	1
4-Bromofluorobenzene	100		67 - 126		04/11/16 23:18	1
Dibromofluoromethane (Surr)	96		61 - 149		04/11/16 23:18	1
Toluene-d8 (Surr)	100		73 - 121		04/11/16 23:18	1

Lab Sample ID: LCS 460-361975/3

Matrix: Solid

Analysis Batch: 361975

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	19.5		ug/Kg		98	78 - 139
1,1,2,2-Tetrachloroethane	20.0	19.1		ug/Kg		96	64 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.8		ug/Kg		99	83 - 136
1,1,2-Trichloroethane	20.0	19.3		ug/Kg		96	76 - 118
1,1-Dichloroethane	20.0	20.6		ug/Kg		103	83 - 131
1,1-Dichloroethene	20.0	18.7		ug/Kg		94	80 - 120
1,2,3-Trichlorobenzene	20.0	19.3		ug/Kg		96	77 - 116
1,2,4-Trichlorobenzene	20.0	19.6		ug/Kg		98	77 - 116
1,2-Dibromo-3-Chloropropane	20.0	18.4		ug/Kg		92	63 - 131
1,2-Dichlorobenzene	20.0	20.1		ug/Kg		100	80 - 120
1,2-Dichloroethane	20.0	19.5		ug/Kg		97	75 - 132
1,2-Dichloropropane	20.0	20.5		ug/Kg		103	77 - 124
1,3-Dichlorobenzene	20.0	20.6		ug/Kg		103	80 - 120
1,4-Dichlorobenzene	20.0	20.2		ug/Kg		101	80 - 120
1,4-Dioxane	400	428		ug/Kg		107	80 - 128

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111954-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-361975/3

Matrix: Solid

Analysis Batch: 361975

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	100	88.9		ug/Kg		89	58 - 150
2-Hexanone	100	99.0		ug/Kg		99	75 - 137
4-Methyl-2-pentanone (MIBK)	100	102		ug/Kg		102	81 - 121
Acetone	100	95.7		ug/Kg		96	66 - 150
Benzene	20.0	21.0		ug/Kg		105	78 - 122
Bromoform	20.0	17.5		ug/Kg		87	47 - 150
Bromomethane	20.0	17.8		ug/Kg		89	74 - 125
Carbon disulfide	20.0	19.4		ug/Kg		97	82 - 127
Carbon tetrachloride	20.0	19.8		ug/Kg		99	62 - 150
Chlorobenzene	20.0	19.8		ug/Kg		99	80 - 120
Chlorobromomethane	20.0	18.8		ug/Kg		94	73 - 132
Chlorodibromomethane	20.0	18.8		ug/Kg		94	68 - 132
Chloroethane	20.0	19.8		ug/Kg		99	63 - 143
Chloroform	20.0	19.6		ug/Kg		98	80 - 120
Chloromethane	20.0	22.1		ug/Kg		111	73 - 130
cis-1,2-Dichloroethene	20.0	19.5		ug/Kg		97	80 - 120
cis-1,3-Dichloropropene	20.0	19.9		ug/Kg		100	75 - 118
Cyclohexane	20.0	21.7		ug/Kg		109	77 - 137
Dichlorobromomethane	20.0	19.4		ug/Kg		97	76 - 130
Dichlorodifluoromethane	20.0	18.2		ug/Kg		91	73 - 122
Ethylbenzene	20.0	20.7		ug/Kg		104	80 - 120
Ethylene Dibromide	20.0	19.2		ug/Kg		96	80 - 120
Isopropylbenzene	20.0	21.0		ug/Kg		105	80 - 120
Methyl acetate	100	101		ug/Kg		101	66 - 150
Methyl tert-butyl ether	20.0	19.5		ug/Kg		97	80 - 120
Methylcyclohexane	20.0	20.8		ug/Kg		104	84 - 127
Methylene Chloride	20.0	18.9		ug/Kg		95	80 - 120
m-Xylene & p-Xylene	20.0	20.7		ug/Kg		104	80 - 120
o-Xylene	20.0	20.7		ug/Kg		104	80 - 120
Styrene	20.0	20.7		ug/Kg		104	80 - 120
Tetrachloroethene	20.0	19.5		ug/Kg		97	68 - 130
Toluene	20.0	20.0		ug/Kg		100	80 - 120
trans-1,2-Dichloroethene	20.0	19.4		ug/Kg		97	86 - 126
trans-1,3-Dichloropropene	20.0	19.9		ug/Kg		99	73 - 118
Trichloroethene	20.0	19.2		ug/Kg		96	80 - 120
Trichlorofluoromethane	20.0	16.3		ug/Kg		82	73 - 134
Vinyl chloride	20.0	20.3		ug/Kg		101	77 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		78 - 135
4-Bromofluorobenzene	98		67 - 126
Dibromofluoromethane (Surr)	93		61 - 149
Toluene-d8 (Surr)	101		73 - 121

QC Sample Results

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

TestAmerica Job ID: 460-111954-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-361975/4

Matrix: Solid

Analysis Batch: 361975

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	18.5		ug/Kg		93	78 - 139	5	30
1,1,2,2-Tetrachloroethane	20.0	18.3		ug/Kg		92	64 - 128	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.3		ug/Kg		92	83 - 136	8	30
1,1,2-Trichloroethane	20.0	18.4		ug/Kg		92	76 - 118	5	30
1,1-Dichloroethane	20.0	18.7		ug/Kg		94	83 - 131	9	30
1,1-Dichloroethene	20.0	18.0		ug/Kg		90	80 - 120	4	30
1,2,3-Trichlorobenzene	20.0	17.7		ug/Kg		89	77 - 116	8	30
1,2,4-Trichlorobenzene	20.0	18.4		ug/Kg		92	77 - 116	7	30
1,2-Dibromo-3-Chloropropane	20.0	18.1		ug/Kg		91	63 - 131	2	30
1,2-Dichlorobenzene	20.0	18.9		ug/Kg		95	80 - 120	6	30
1,2-Dichloroethane	20.0	18.4		ug/Kg		92	75 - 132	5	30
1,2-Dichloropropane	20.0	19.1		ug/Kg		95	77 - 124	7	30
1,3-Dichlorobenzene	20.0	19.1		ug/Kg		95	80 - 120	8	30
1,4-Dichlorobenzene	20.0	18.9		ug/Kg		95	80 - 120	7	30
1,4-Dioxane	400	440		ug/Kg		110	80 - 128	3	30
2-Butanone (MEK)	100	85.9		ug/Kg		86	58 - 150	4	30
2-Hexanone	100	94.7		ug/Kg		95	75 - 137	4	30
4-Methyl-2-pentanone (MIBK)	100	98.1		ug/Kg		98	81 - 121	4	30
Acetone	100	95.0		ug/Kg		95	66 - 150	1	30
Benzene	20.0	19.6		ug/Kg		98	78 - 122	7	30
Bromoform	20.0	16.7		ug/Kg		83	47 - 150	5	30
Bromomethane	20.0	17.8		ug/Kg		89	74 - 125	0	30
Carbon disulfide	20.0	18.2		ug/Kg		91	82 - 127	6	30
Carbon tetrachloride	20.0	18.7		ug/Kg		93	62 - 150	6	30
Chlorobenzene	20.0	18.8		ug/Kg		94	80 - 120	5	30
Chlorobromomethane	20.0	18.2		ug/Kg		91	73 - 132	3	30
Chlorodibromomethane	20.0	17.9		ug/Kg		89	68 - 132	5	30
Chloroethane	20.0	19.2		ug/Kg		96	63 - 143	3	30
Chloroform	20.0	18.5		ug/Kg		92	80 - 120	6	30
Chloromethane	20.0	22.1		ug/Kg		110	73 - 130	0	30
cis-1,2-Dichloroethene	20.0	18.4		ug/Kg		92	80 - 120	6	30
cis-1,3-Dichloropropene	20.0	18.6		ug/Kg		93	75 - 118	7	30
Cyclohexane	20.0	20.6		ug/Kg		103	77 - 137	5	30
Dichlorobromomethane	20.0	18.3		ug/Kg		91	76 - 130	6	30
Dichlorodifluoromethane	20.0	17.7		ug/Kg		89	73 - 122	2	30
Ethylbenzene	20.0	19.4		ug/Kg		97	80 - 120	6	30
Ethylene Dibromide	20.0	17.9		ug/Kg		90	80 - 120	7	30
Isopropylbenzene	20.0	20.0		ug/Kg		100	80 - 120	5	30
Methyl acetate	100	102		ug/Kg		102	66 - 150	0	30
Methyl tert-butyl ether	20.0	19.1		ug/Kg		95	80 - 120	2	30
Methylcyclohexane	20.0	19.6		ug/Kg		98	84 - 127	6	30
Methylene Chloride	20.0	17.7		ug/Kg		88	80 - 120	7	30
m-Xylene & p-Xylene	20.0	19.6		ug/Kg		98	80 - 120	6	30
o-Xylene	20.0	19.8		ug/Kg		99	80 - 120	4	30
Styrene	20.0	19.5		ug/Kg		98	80 - 120	6	30
Tetrachloroethene	20.0	18.4		ug/Kg		92	68 - 130	6	30
Toluene	20.0	18.9		ug/Kg		94	80 - 120	6	30

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111954-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-361975/4

Matrix: Solid

Analysis Batch: 361975

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
trans-1,2-Dichloroethene	20.0	18.2		ug/Kg		91	86 - 126	6	30
trans-1,3-Dichloropropene	20.0	18.8		ug/Kg		94	73 - 118	6	30
Trichloroethene	20.0	18.2		ug/Kg		91	80 - 120	6	30
Trichlorofluoromethane	20.0	16.2		ug/Kg		81	73 - 134	1	30
Vinyl chloride	20.0	19.8		ug/Kg		99	77 - 130	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		78 - 135
4-Bromofluorobenzene	99		67 - 126
Dibromofluoromethane (Surr)	95		61 - 149
Toluene-d8 (Surr)	102		73 - 121

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

Lab Sample ID: MB 460-361911/1-A

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 361911

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	330	U	330	28	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
1,2,4,5-Tetrachlorobenzene	330	U	330	25	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
2,2'-oxybis[1-chloropropane]	330	U	330	14	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
2,3,4,6-Tetrachlorophenol	330	U	330	31	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
2,4,5-Trichlorophenol	330	U	330	33	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
2,4,6-Trichlorophenol	130	U	130	9.4	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
2,4-Dichlorophenol	130	U	130	7.8	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
2,4-Dimethylphenol	330	U	330	73	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
2,4-Dinitrophenol	270	U	270	250	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
2,4-Dinitrotoluene	67	U	67	13	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
2,6-Dinitrotoluene	67	U	67	18	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
2-Chloronaphthalene	330	U	330	7.5	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
2-Chlorophenol	330	U	330	8.4	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
2-Methylnaphthalene	330	U	330	7.3	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
2-Methylphenol	330	U	330	14	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
2-Nitroaniline	330	U	330	11	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
2-Nitrophenol	330	U	330	11	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
3,3'-Dichlorobenzidine	130	U	130	37	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
3-Nitroaniline	330	U	330	9.8	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
4,6-Dinitro-2-methylphenol	270	U	270	88	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
4-Bromophenyl phenyl ether	330	U	330	10	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
4-Chloro-3-methylphenol	330	U	330	14	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
4-Chloroaniline	330	U	330	8.5	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
4-Chlorophenyl phenyl ether	330	U	330	9.9	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
4-Methylphenol	330	U	330	9.0	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
4-Nitroaniline	330	U	330	13	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
4-Nitrophenol	670	U	670	160	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Acenaphthene	330	U	330	8.0	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Acenaphthylene	330	U	330	8.5	ug/Kg		04/11/16 13:02	04/13/16 08:17	1

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111954-1

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

Lab Sample ID: MB 460-361911/1-A

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 361911

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	330	U	330	7.2	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Anthracene	330	U	330	31	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Atrazine	130	U	130	15	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Benzaldehyde	330	U	330	25	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Benzo[a]anthracene	33	U	33	28	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Benzo[a]pyrene	33	U	33	10	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Benzo[b]fluoranthene	33	U	33	13	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Benzo[g,h,i]perylene	330	U	330	19	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Benzo[k]fluoranthene	33	U	33	14	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Bis(2-chloroethoxy)methane	330	U	330	10	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Bis(2-chloroethyl)ether	33	U	33	7.8	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Bis(2-ethylhexyl) phthalate	330	U	330	13	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Butyl benzyl phthalate	330	U	330	10	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Caprolactam	330	U	330	24	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Carbazole	330	U	330	8.2	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Chrysene	330	U	330	9.0	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Dibenz(a,h)anthracene	33	U	33	17	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Dibenzofuran	330	U	330	10	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Diethyl phthalate	330	U	330	9.4	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Dimethyl phthalate	330	U	330	9.6	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Di-n-butyl phthalate	330	U	330	9.9	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Di-n-octyl phthalate	330	U	330	17	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Fluoranthene	330	U	330	9.8	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Fluorene	330	U	330	7.2	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Hexachlorobenzene	33	U	33	13	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Hexachlorobutadiene	67	U	67	9.3	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Hexachlorocyclopentadiene	330	U	330	21	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Hexachloroethane	33	U	33	12	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Indeno[1,2,3-cd]pyrene	33	U	33	22	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Isophorone	130	U	130	7.1	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Naphthalene	330	U	330	8.4	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Nitrobenzene	33	U	33	10	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
N-Nitrosodi-n-propylamine	33	U	33	11	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
N-Nitrosodiphenylamine	330	U	330	30	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Pentachlorophenol	270	U	270	40	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Phenanthrene	330	U	330	8.8	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Phenol	330	U	330	11	ug/Kg		04/11/16 13:02	04/13/16 08:17	1
Pyrene	330	U	330	15	ug/Kg		04/11/16 13:02	04/13/16 08:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	49		10 - 95	04/11/16 13:02	04/13/16 08:17	1
2-Fluorobiphenyl	73		27 - 84	04/11/16 13:02	04/13/16 08:17	1
2-Fluorophenol (Surr)	68		21 - 84	04/11/16 13:02	04/13/16 08:17	1
Nitrobenzene-d5 (Surr)	71		28 - 92	04/11/16 13:02	04/13/16 08:17	1
Phenol-d5 (Surr)	67		22 - 88	04/11/16 13:02	04/13/16 08:17	1
Terphenyl-d14 (Surr)	88		16 - 114	04/11/16 13:02	04/13/16 08:17	1

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111954-1

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

Lab Sample ID: LCS 460-361911/2-A

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 361911

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3330	2720		ug/Kg		82	64 - 103
1,2,4,5-Tetrachlorobenzene	3330	2820		ug/Kg		85	62 - 109
2,2'-oxybis[1-chloropropane]	3330	2390		ug/Kg		72	42 - 119
2,3,4,6-Tetrachlorophenol	3330	2390		ug/Kg		72	57 - 113
2,4,5-Trichlorophenol	3330	2390		ug/Kg		72	59 - 105
2,4,6-Trichlorophenol	3330	2570		ug/Kg		77	61 - 107
2,4-Dichlorophenol	3330	2440		ug/Kg		73	59 - 99
2,4-Dimethylphenol	3330	2410		ug/Kg		72	60 - 98
2,4-Dinitrophenol	6670	4360		ug/Kg		65	26 - 137
2,4-Dinitrotoluene	3330	2580		ug/Kg		78	61 - 118
2,6-Dinitrotoluene	3330	2630		ug/Kg		79	63 - 112
2-Chloronaphthalene	3330	2770		ug/Kg		83	63 - 102
2-Chlorophenol	3330	2420		ug/Kg		72	58 - 95
2-Methylnaphthalene	3330	2410		ug/Kg		72	64 - 102
2-Methylphenol	3330	2320		ug/Kg		70	56 - 99
2-Nitroaniline	3330	2650		ug/Kg		79	46 - 113
2-Nitrophenol	3330	2590		ug/Kg		78	63 - 103
3,3'-Dichlorobenzidine	3330	1530		ug/Kg		46	18 - 92
3-Nitroaniline	3330	1750		ug/Kg		52	23 - 89
4,6-Dinitro-2-methylphenol	6670	5330		ug/Kg		80	51 - 124
4-Bromophenyl phenyl ether	3330	3000		ug/Kg		90	65 - 114
4-Chloro-3-methylphenol	3330	2410		ug/Kg		72	58 - 108
4-Chloroaniline	3330	1400		ug/Kg		42	10 - 82
4-Chlorophenyl phenyl ether	3330	2560		ug/Kg		77	63 - 107
4-Methylphenol	3330	2320		ug/Kg		70	53 - 103
4-Nitroaniline	3330	2240		ug/Kg		67	44 - 109
4-Nitrophenol	6670	4560		ug/Kg		68	45 - 125
Acenaphthene	3330	2460		ug/Kg		74	59 - 102
Acenaphthylene	3330	2720		ug/Kg		82	63 - 102
Acetophenone	3330	2300		ug/Kg		69	56 - 107
Anthracene	3330	2880		ug/Kg		86	66 - 105
Benzo[a]anthracene	3330	2760		ug/Kg		83	65 - 106
Benzo[a]pyrene	3330	2990		ug/Kg		90	68 - 111
Benzo[b]fluoranthene	3330	2940		ug/Kg		88	67 - 116
Benzo[g,h,i]perylene	3330	2920		ug/Kg		88	49 - 124
Benzo[k]fluoranthene	3330	3010		ug/Kg		90	65 - 114
Bis(2-chloroethoxy)methane	3330	2510		ug/Kg		75	61 - 102
Bis(2-chloroethyl)ether	3330	2450		ug/Kg		73	58 - 102
Bis(2-ethylhexyl) phthalate	3330	2840		ug/Kg		85	60 - 125
Butyl benzyl phthalate	3330	2880		ug/Kg		86	62 - 123
Carbazole	3330	2700		ug/Kg		81	62 - 107
Chrysene	3330	2920		ug/Kg		88	64 - 105
Dibenz(a,h)anthracene	3330	3080		ug/Kg		92	54 - 126
Dibenzofuran	3330	2630		ug/Kg		79	62 - 102
Diethyl phthalate	3330	2510		ug/Kg		75	61 - 110
Dimethyl phthalate	3330	2590		ug/Kg		78	64 - 108
Di-n-butyl phthalate	3330	2680		ug/Kg		80	62 - 114
Di-n-octyl phthalate	3330	2970		ug/Kg		89	52 - 137

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111954-1

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

Lab Sample ID: LCS 460-361911/2-A

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 361911

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	3330	2610		ug/Kg		78	59 - 109
Fluorene	3330	2540		ug/Kg		76	65 - 108
Hexachlorobenzene	3330	2880		ug/Kg		86	65 - 117
Hexachlorobutadiene	3330	2580		ug/Kg		77	60 - 105
Hexachlorocyclopentadiene	3330	3490		ug/Kg		105	37 - 119
Hexachloroethane	3330	2420		ug/Kg		72	60 - 94
Indeno[1,2,3-cd]pyrene	3330	3610		ug/Kg		108	50 - 134
Isophorone	3330	2610		ug/Kg		78	60 - 102
Naphthalene	3330	2560		ug/Kg		77	64 - 99
Nitrobenzene	3330	2690		ug/Kg		81	59 - 102
N-Nitrosodi-n-propylamine	3330	2410		ug/Kg		72	56 - 112
N-Nitrosodiphenylamine	3330	2960		ug/Kg		89	71 - 119
Pentachlorophenol	6670	4860		ug/Kg		73	47 - 115
Phenanthrene	3330	2770		ug/Kg		83	66 - 105
Phenol	3330	2360		ug/Kg		71	55 - 99
Pyrene	3330	3040		ug/Kg		91	55 - 126

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	68		10 - 95
2-Fluorobiphenyl	80		27 - 84
2-Fluorophenol (Surr)	70		21 - 84
Nitrobenzene-d5 (Surr)	76		28 - 92
Phenol-d5 (Surr)	69		22 - 88
Terphenyl-d14 (Surr)	90		16 - 114

Lab Sample ID: LCS 460-361911/3-A

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 361911

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	6670	5820		ug/Kg		87	41 - 116
Benzaldehyde	6670	5040		ug/Kg		76	55 - 116
Caprolactam	6670	5840		ug/Kg		88	44 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	48		10 - 95
2-Fluorobiphenyl	81		27 - 84
2-Fluorophenol (Surr)	71		21 - 84
Nitrobenzene-d5 (Surr)	78		28 - 92
Phenol-d5 (Surr)	72		22 - 88
Terphenyl-d14 (Surr)	94		16 - 114

Lab Sample ID: 460-111850-A-3-D MS

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 361911

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	350	U	3550	2480		ug/Kg	☼	70	64 - 103

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111954-1

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

Lab Sample ID: 460-111850-A-3-D MS

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 361911

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
1,2,4,5-Tetrachlorobenzene	350	U	3550	2580		ug/Kg	☼	73	62 - 109
2,2'-oxybis[1-chloropropane]	350	U	3550	2190		ug/Kg	☼	62	42 - 119
2,3,4,6-Tetrachlorophenol	350	U	3550	1290	*	ug/Kg	☼	36	57 - 113
2,4,5-Trichlorophenol	350	U	3550	1770	*	ug/Kg	☼	50	59 - 105
2,4,6-Trichlorophenol	140	U	3550	1960	*	ug/Kg	☼	55	61 - 107
2,4-Dichlorophenol	140	U	3550	1970	*	ug/Kg	☼	56	59 - 99
2,4-Dimethylphenol	350	U	3550	2080	*	ug/Kg	☼	59	60 - 98
2,4-Dinitrophenol	280	U	7100	328	*	ug/Kg	☼	5	26 - 137
2,4-Dinitrotoluene	71	U	3550	2390		ug/Kg	☼	67	61 - 118
2,6-Dinitrotoluene	71	U	3550	2440		ug/Kg	☼	69	63 - 112
2-Chloronaphthalene	350	U	3550	2520		ug/Kg	☼	71	63 - 102
2-Chlorophenol	350	U	3550	2120		ug/Kg	☼	60	58 - 95
2-Methylnaphthalene	8.1	J	3550	2190	*	ug/Kg	☼	61	64 - 102
2-Methylphenol	350	U	3550	2080		ug/Kg	☼	59	56 - 99
2-Nitroaniline	350	U	3550	2400		ug/Kg	☼	68	46 - 113
2-Nitrophenol	350	U	3550	1780	*	ug/Kg	☼	50	63 - 103
3,3'-Dichlorobenzidine	140	U	3550	2050		ug/Kg	☼	58	18 - 92
3-Nitroaniline	350	U	3550	2030		ug/Kg	☼	57	23 - 89
4,6-Dinitro-2-methylphenol	280	U	7100	886	*	ug/Kg	☼	12	51 - 124
4-Bromophenyl phenyl ether	350	U	3550	2650		ug/Kg	☼	75	65 - 114
4-Chloro-3-methylphenol	350	U	3550	2060		ug/Kg	☼	58	58 - 108
4-Chloroaniline	350	U	3550	1360		ug/Kg	☼	38	10 - 82
4-Chlorophenyl phenyl ether	350	U	3550	2310		ug/Kg	☼	65	63 - 107
4-Methylphenol	350	U	3550	2080		ug/Kg	☼	59	53 - 103
4-Nitroaniline	350	U	3550	2120		ug/Kg	☼	60	44 - 109
4-Nitrophenol	710	U	7100	3380		ug/Kg	☼	48	45 - 125
Acenaphthene	350	U	3550	2130		ug/Kg	☼	60	59 - 102
Acenaphthylene	350	U	3550	2470		ug/Kg	☼	70	63 - 102
Acetophenone	350	U	3550	2120		ug/Kg	☼	60	56 - 107
Anthracene	350	U	3550	2540		ug/Kg	☼	72	66 - 105
Atrazine	140	U	7100	5190		ug/Kg	☼	73	41 - 116
Benzaldehyde	350	U	7100	4320		ug/Kg	☼	61	55 - 116
Benzo[a]anthracene	100		3550	2510		ug/Kg	☼	68	65 - 106
Benzo[a]pyrene	100		3550	2730		ug/Kg	☼	74	68 - 111
Benzo[b]fluoranthene	130		3550	2670		ug/Kg	☼	72	67 - 116
Benzo[g,h,i]perylene	66	J	3550	2690		ug/Kg	☼	74	49 - 124
Benzo[k]fluoranthene	63		3550	2690		ug/Kg	☼	74	65 - 114
Bis(2-chloroethoxy)methane	350	U	3550	2330		ug/Kg	☼	66	61 - 102
Bis(2-chloroethyl)ether	35	U	3550	2230		ug/Kg	☼	63	58 - 102
Bis(2-ethylhexyl) phthalate	350	U	3550	2550		ug/Kg	☼	72	60 - 125
Butyl benzyl phthalate	350	U	3550	2660		ug/Kg	☼	75	62 - 123
Caprolactam	350	U	7100	3610		ug/Kg	☼	51	44 - 129
Carbazole	350	U	3550	2420		ug/Kg	☼	68	62 - 107
Chrysene	110	J	3550	2660		ug/Kg	☼	72	64 - 105
Dibenz(a,h)anthracene	35	U	3550	2850		ug/Kg	☼	80	54 - 126
Dibenzofuran	350	U	3550	2390		ug/Kg	☼	67	62 - 102
Diethyl phthalate	350	U	3550	2320		ug/Kg	☼	65	61 - 110
Dimethyl phthalate	350	U	3550	2390		ug/Kg	☼	67	64 - 108

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111954-1

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

Lab Sample ID: 460-111850-A-3-D MS

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 361911

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Di-n-butyl phthalate	350	U	3550	2460		ug/Kg	☀	69	62 - 114
Di-n-octyl phthalate	350	U	3550	2650		ug/Kg	☀	75	52 - 137
Fluoranthene	160	J	3550	2430		ug/Kg	☀	64	59 - 109
Fluorene	350	U	3550	2320		ug/Kg	☀	65	65 - 108
Hexachlorobenzene	35	U	3550	2580		ug/Kg	☀	73	65 - 117
Hexachlorobutadiene	71	U	3550	2400		ug/Kg	☀	68	60 - 105
Hexachlorocyclopentadiene	350	U	3550	2940		ug/Kg	☀	83	37 - 119
Hexachloroethane	35	U	3550	2260		ug/Kg	☀	64	60 - 94
Indeno[1,2,3-cd]pyrene	82		3550	3330		ug/Kg	☀	91	50 - 134
Isophorone	140	U	3550	2430		ug/Kg	☀	68	60 - 102
Naphthalene	16	J	3550	2360		ug/Kg	☀	66	64 - 99
Nitrobenzene	35	U	3550	2380		ug/Kg	☀	67	59 - 102
N-Nitrosodi-n-propylamine	35	U	3550	2270		ug/Kg	☀	64	56 - 112
N-Nitrosodiphenylamine	350	U	3550	2590		ug/Kg	☀	73	71 - 119
Pentachlorophenol	280	U	7100	640	*	ug/Kg	☀	9	47 - 115
Phenanthrene	60	J	3550	2480		ug/Kg	☀	68	66 - 105
Phenol	350	U	3550	2100		ug/Kg	☀	59	55 - 99
Pyrene	180	J	3550	2830		ug/Kg	☀	75	55 - 126

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	50		10 - 95
2-Fluorobiphenyl	68		27 - 84
2-Fluorophenol (Surr)	58		21 - 84
Nitrobenzene-d5 (Surr)	65		28 - 92
Phenol-d5 (Surr)	58		22 - 88
Terphenyl-d14 (Surr)	76		16 - 114

Lab Sample ID: 460-111850-A-3-E MSD

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 361911

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1'-Biphenyl	350	U	3550	2650		ug/Kg	☀	75	64 - 103	7	30
1,2,4,5-Tetrachlorobenzene	350	U	3550	2740		ug/Kg	☀	77	62 - 109	6	30
2,2'-oxybis[1-chloropropane]	350	U	3550	2280		ug/Kg	☀	64	42 - 119	4	30
2,3,4,6-Tetrachlorophenol	350	U	3550	1480	*	ug/Kg	☀	42	57 - 113	13	30
2,4,5-Trichlorophenol	350	U	3550	1900	*	ug/Kg	☀	53	59 - 105	7	30
2,4,6-Trichlorophenol	140	U	3550	2070	*	ug/Kg	☀	58	61 - 107	6	30
2,4-Dichlorophenol	140	U	3550	2070	*	ug/Kg	☀	58	59 - 99	5	30
2,4-Dimethylphenol	350	U	3550	2200		ug/Kg	☀	62	60 - 98	6	30
2,4-Dinitrophenol	280	U	7100	406	*	ug/Kg	☀	6	26 - 137	21	30
2,4-Dinitrotoluene	71	U	3550	2560		ug/Kg	☀	72	61 - 118	7	30
2,6-Dinitrotoluene	71	U	3550	2550		ug/Kg	☀	72	63 - 112	5	30
2-Chloronaphthalene	350	U	3550	2660		ug/Kg	☀	75	63 - 102	5	30
2-Chlorophenol	350	U	3550	2190		ug/Kg	☀	62	58 - 95	3	30
2-Methylnaphthalene	8.1	J	3550	2290		ug/Kg	☀	64	64 - 102	4	30
2-Methylphenol	350	U	3550	2160		ug/Kg	☀	61	56 - 99	4	30
2-Nitroaniline	350	U	3550	2540		ug/Kg	☀	72	46 - 113	6	30

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111954-1

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

Lab Sample ID: 460-111850-A-3-E MSD

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 361911

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Nitrophenol	350	U	3550	1870	*	ug/Kg	☼	53	63 - 103	5	30
3,3'-Dichlorobenzidine	140	U	3550	2080		ug/Kg	☼	59	18 - 92	2	30
3-Nitroaniline	350	U	3550	2030		ug/Kg	☼	57	23 - 89	0	30
4,6-Dinitro-2-methylphenol	280	U	7100	1450	*	ug/Kg	☼	20	51 - 124	48	30
4-Bromophenyl phenyl ether	350	U	3550	2810		ug/Kg	☼	79	65 - 114	6	30
4-Chloro-3-methylphenol	350	U	3550	2120		ug/Kg	☼	60	58 - 108	3	30
4-Chloroaniline	350	U	3550	1200		ug/Kg	☼	34	10 - 82	13	30
4-Chlorophenyl phenyl ether	350	U	3550	2450		ug/Kg	☼	69	63 - 107	6	30
4-Methylphenol	350	U	3550	2150		ug/Kg	☼	61	53 - 103	3	30
4-Nitroaniline	350	U	3550	2200		ug/Kg	☼	62	44 - 109	4	30
4-Nitrophenol	710	U	7100	3580		ug/Kg	☼	50	45 - 125	6	30
Acenaphthene	350	U	3550	2240		ug/Kg	☼	63	59 - 102	5	30
Acenaphthylene	350	U	3550	2640		ug/Kg	☼	75	63 - 102	7	30
Acetophenone	350	U	3550	2200		ug/Kg	☼	62	56 - 107	4	30
Anthracene	350	U	3550	2720		ug/Kg	☼	77	66 - 105	7	30
Atrazine	140	U	7100	5490		ug/Kg	☼	77	41 - 116	6	30
Benzaldehyde	350	U	7100	4300		ug/Kg	☼	61	55 - 116	1	30
Benzo[a]anthracene	100		3550	2660		ug/Kg	☼	72	65 - 106	6	30
Benzo[a]pyrene	100		3550	2850		ug/Kg	☼	78	68 - 111	4	30
Benzo[b]fluoranthene	130		3550	2790		ug/Kg	☼	75	67 - 116	4	30
Benzo[g,h,i]perylene	66	J	3550	2780		ug/Kg	☼	77	49 - 124	3	30
Benzo[k]fluoranthene	63		3550	2840		ug/Kg	☼	78	65 - 114	5	30
Bis(2-chloroethoxy)methane	350	U	3550	2410		ug/Kg	☼	68	61 - 102	3	30
Bis(2-chloroethyl)ether	35	U	3550	2330		ug/Kg	☼	66	58 - 102	5	30
Bis(2-ethylhexyl) phthalate	350	U	3550	2690		ug/Kg	☼	76	60 - 125	5	30
Butyl benzyl phthalate	350	U	3550	2740		ug/Kg	☼	77	62 - 123	3	30
Caprolactam	350	U	7100	3250		ug/Kg	☼	46	44 - 129	10	30
Carbazole	350	U	3550	2590		ug/Kg	☼	73	62 - 107	7	30
Chrysene	110	J	3550	2810		ug/Kg	☼	76	64 - 105	5	30
Dibenz(a,h)anthracene	35	U	3550	2970		ug/Kg	☼	84	54 - 126	4	30
Dibenzofuran	350	U	3550	2500		ug/Kg	☼	70	62 - 102	5	30
Diethyl phthalate	350	U	3550	2460		ug/Kg	☼	69	61 - 110	6	30
Dimethyl phthalate	350	U	3550	2530		ug/Kg	☼	71	64 - 108	6	30
Di-n-butyl phthalate	350	U	3550	2590		ug/Kg	☼	73	62 - 114	5	30
Di-n-octyl phthalate	350	U	3550	2750		ug/Kg	☼	77	52 - 137	4	30
Fluoranthene	160	J	3550	2610		ug/Kg	☼	69	59 - 109	7	30
Fluorene	350	U	3550	2440		ug/Kg	☼	69	65 - 108	5	30
Hexachlorobenzene	35	U	3550	2720		ug/Kg	☼	77	65 - 117	5	30
Hexachlorobutadiene	71	U	3550	2490		ug/Kg	☼	70	60 - 105	3	30
Hexachlorocyclopentadiene	350	U	3550	3130		ug/Kg	☼	88	37 - 119	6	30
Hexachloroethane	35	U	3550	2350		ug/Kg	☼	66	60 - 94	4	30
Indeno[1,2,3-cd]pyrene	82		3550	3490		ug/Kg	☼	96	50 - 134	5	30
Isophorone	140	U	3550	2500		ug/Kg	☼	71	60 - 102	3	30
Naphthalene	16	J	3550	2450		ug/Kg	☼	69	64 - 99	4	30
Nitrobenzene	35	U	3550	2480		ug/Kg	☼	70	59 - 102	4	30
N-Nitrosodi-n-propylamine	35	U	3550	2350		ug/Kg	☼	66	56 - 112	3	30
N-Nitrosodiphenylamine	350	U	3550	2740		ug/Kg	☼	77	71 - 119	6	30
Pentachlorophenol	280	U	7100	1510	*	ug/Kg	☼	21	47 - 115	81	30

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111954-1

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

Lab Sample ID: 460-111850-A-3-E MSD

Matrix: Solid

Analysis Batch: 362222

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 361911

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenanthrene	60	J	3550	2660		ug/Kg	☀	73	66 - 105	7	30
Phenol	350	U	3550	2190		ug/Kg	☀	62	55 - 99	4	30
Pyrene	180	J	3550	2850		ug/Kg	☀	75	55 - 126	1	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	51		10 - 95
2-Fluorobiphenyl	73		27 - 84
2-Fluorophenol (Surr)	60		21 - 84
Nitrobenzene-d5 (Surr)	68		28 - 92
Phenol-d5 (Surr)	62		22 - 88
Terphenyl-d14 (Surr)	76		16 - 114

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 460-362066/1-A ^2

Matrix: Solid

Analysis Batch: 362155

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 362066

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	10.3	mg/Kg		04/12/16 07:42	04/12/16 13:54	2
Antimony	2.0	U	2.0	0.79	mg/Kg		04/12/16 07:42	04/12/16 13:54	2
Arsenic	1.5	U	1.5	0.49	mg/Kg		04/12/16 07:42	04/12/16 13:54	2
Barium	20.0	U	20.0	0.72	mg/Kg		04/12/16 07:42	04/12/16 13:54	2
Beryllium	0.20	U	0.20	0.17	mg/Kg		04/12/16 07:42	04/12/16 13:54	2
Cadmium	0.40	U	0.40	0.21	mg/Kg		04/12/16 07:42	04/12/16 13:54	2
Calcium	500	U	500	29.6	mg/Kg		04/12/16 07:42	04/12/16 13:54	2
Chromium	1.0	U	1.0	0.48	mg/Kg		04/12/16 07:42	04/12/16 13:54	2
Cobalt	5.0	U	5.0	0.58	mg/Kg		04/12/16 07:42	04/12/16 13:54	2
Copper	2.5	U	2.5	0.65	mg/Kg		04/12/16 07:42	04/12/16 13:54	2
Iron	15.0	U	15.0	11.3	mg/Kg		04/12/16 07:42	04/12/16 13:54	2
Lead	1.0	U	1.0	0.39	mg/Kg		04/12/16 07:42	04/12/16 13:54	2
Magnesium	500	U	500	25.0	mg/Kg		04/12/16 07:42	04/12/16 13:54	2
Manganese	1.5	U	1.5	0.53	mg/Kg		04/12/16 07:42	04/12/16 13:54	2
Nickel	4.0	U	4.0	0.73	mg/Kg		04/12/16 07:42	04/12/16 13:54	2
Potassium	500	U	500	15.2	mg/Kg		04/12/16 07:42	04/12/16 13:54	2
Selenium	2.0	U	2.0	0.69	mg/Kg		04/12/16 07:42	04/12/16 13:54	2
Silver	1.0	U	1.0	0.18	mg/Kg		04/12/16 07:42	04/12/16 13:54	2
Sodium	500	U	500	33.9	mg/Kg		04/12/16 07:42	04/12/16 13:54	2
Thallium	2.0	U	2.0	0.89	mg/Kg		04/12/16 07:42	04/12/16 13:54	2
Vanadium	5.0	U	5.0	0.50	mg/Kg		04/12/16 07:42	04/12/16 13:54	2
Zinc	3.0	U	3.0	0.73	mg/Kg		04/12/16 07:42	04/12/16 13:54	2

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111954-1

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

Lab Sample ID: LCSSRM 460-362066/2-A ^4
Matrix: Solid
Analysis Batch: 362357

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 362066

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8080	6890		mg/Kg		85.3	51.1 - 148.5
Antimony	123	81.83		mg/Kg		66.5	1.0 - 200.0
Arsenic	145	137.2		mg/Kg		94.6	79.3 - 121.4
Barium	209	222.9		mg/Kg		106.6	83.3 - 117.2
Beryllium	97.3	95.19		mg/Kg		97.8	82.6 - 117.2
Cadmium	87.6	88.81		mg/Kg		101.4	82.6 - 117.6
Calcium	5690	5510		mg/Kg		96.8	81.0 - 118.8
Chromium	143	144.9		mg/Kg		101.3	79.7 - 119.6
Cobalt	154	161.3		mg/Kg		104.7	83.8 - 115.6
Copper	173	169.8		mg/Kg		98.2	81.5 - 117.9
Iron	15000	14540		mg/Kg		96.9	46.8 - 154.0
Lead	146	152.2		mg/Kg		104.2	81.5 - 118.5
Magnesium	2640	2363		mg/Kg		89.5	76.5 - 123.5
Manganese	309	356.7		mg/Kg		115.4	81.6 - 118.8
Nickel	129	138.3		mg/Kg		107.2	82.9 - 117.1
Potassium	2400	2129		mg/Kg		88.7	71.7 - 128.3
Selenium	178	170.3		mg/Kg		95.7	78.7 - 121.3
Silver	31.3	29.15		mg/Kg		93.1	75.1 - 124.9
Sodium	869	780.8	J	mg/Kg		89.8	72.7 - 126.6
Thallium	141	152.0		mg/Kg		107.8	79.4 - 121.3
Vanadium	115	113.0		mg/Kg		98.2	77.6 - 122.6
Zinc	194	195.2		mg/Kg		100.6	82.0 - 118.0

Lab Sample ID: 460-111474-C-4-M MS
Matrix: Solid
Analysis Batch: 362155

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 362066

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	15400		493	21630	4	mg/Kg	☼	1265	75 - 125
Antimony	9.5	U	123	58.92	N	mg/Kg	☼	48	75 - 125
Arsenic	13.3		493	444.9		mg/Kg	☼	87	75 - 125
Barium	56.8	J	493	526.1		mg/Kg	☼	95	75 - 125

TestAmerica Edison

QC Sample Results

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

TestAmerica Job ID: 460-111954-1

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

Lab Sample ID: 460-111474-C-4-M MS

Matrix: Solid

Analysis Batch: 362155

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 362066

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Beryllium	1.0		12.3	12.96		mg/Kg	☼	97	75 - 125
Cadmium	1.9	U	12.3	11.26		mg/Kg	☼	91	75 - 125
Calcium	2580		4930	7348		mg/Kg	☼	97	75 - 125
Chromium	48.7		49.3	100.4		mg/Kg	☼	105	75 - 125
Cobalt	13.4	J	123	130.6		mg/Kg	☼	95	75 - 125
Copper	26.9		61.7	83.60		mg/Kg	☼	92	75 - 125
Iron	30200		247	31830	4	mg/Kg	☼	659	75 - 125
Lead	33.7		123	139.0		mg/Kg	☼	85	75 - 125
Magnesium	5990		4930	10730		mg/Kg	☼	96	75 - 125
Manganese	945		123	1045	4	mg/Kg	☼	81	75 - 125
Nickel	25.7		123	144.6		mg/Kg	☼	96	75 - 125
Potassium	2830		4930	7644		mg/Kg	☼	98	75 - 125
Selenium	9.5	U	493	434.7		mg/Kg	☼	88	75 - 125
Silver	4.8	U	12.3	11.78		mg/Kg	☼	96	75 - 125
Sodium	2100	J	4930	6479		mg/Kg	☼	89	75 - 125
Thallium	9.5	U	493	484.2		mg/Kg	☼	98	75 - 125
Vanadium	43.4		123	166.8		mg/Kg	☼	100	75 - 125
Zinc	171		123	284.2		mg/Kg	☼	91	75 - 125

Lab Sample ID: 460-111474-C-4-L DU

Matrix: Solid

Analysis Batch: 362155

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 362066

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Aluminum	15400		15120		mg/Kg	☼	2	20
Antimony	9.5	U	9.3	U	mg/Kg	☼	NC	20
Arsenic	13.3		12.83		mg/Kg	☼	3	20
Barium	56.8	J	56.19	J	mg/Kg	☼	1	20
Beryllium	1.0		0.941		mg/Kg	☼	6	20
Cadmium	1.9	U	1.9	U	mg/Kg	☼	NC	20
Calcium	2580		2548		mg/Kg	☼	1	20
Chromium	48.7		48.68		mg/Kg	☼	0.1	20
Cobalt	13.4	J	13.36	J	mg/Kg	☼	0.6	20
Copper	26.9		26.72		mg/Kg	☼	0.8	20
Iron	30200		29790		mg/Kg	☼	1	20
Lead	33.7		34.02		mg/Kg	☼	1	20
Magnesium	5990		5941		mg/Kg	☼	0.8	20
Manganese	945		933.6		mg/Kg	☼	1	20
Nickel	25.7		25.23		mg/Kg	☼	2	20
Potassium	2830		2767		mg/Kg	☼	2	20
Selenium	9.5	U	9.3	U	mg/Kg	☼	NC	20
Silver	4.8	U	4.7	U	mg/Kg	☼	NC	20
Sodium	2100	J	2072	J	mg/Kg	☼	1	20
Thallium	9.5	U	9.3	U	mg/Kg	☼	NC	20
Vanadium	43.4		42.93		mg/Kg	☼	1	20
Zinc	171		168.4		mg/Kg	☼	2	20

TestAmerica Edison

Definitions/Glossary

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

TestAmerica Job ID: 460-111954-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.
J	Indicates an estimated value.

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
N	PDS exceeds control limits
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: 460-111954-1

GC/MS VOA

Prep Batch: 361960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111954-1	DRY_WELL	Total/NA	Solid	5035	
LB3 460-361960/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 361975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111954-1	DRY_WELL	Total/NA	Solid	8260C	361960
LB3 460-361960/1-A	Method Blank	Total/NA	Solid	8260C	361960
LCS 460-361975/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-361975/4	Lab Control Sample Dup	Total/NA	Solid	8260C	
MB 460-361975/7	Method Blank	Total/NA	Solid	8260C	

GC/MS Semi VOA

Prep Batch: 361911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111850-A-3-D MS	Matrix Spike	Total/NA	Solid	3546	
460-111850-A-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	
460-111954-1	DRY_WELL	Total/NA	Solid	3546	
LCS 460-361911/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 460-361911/3-A	Lab Control Sample	Total/NA	Solid	3546	
MB 460-361911/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 362222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111850-A-3-D MS	Matrix Spike	Total/NA	Solid	8270D	361911
460-111850-A-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	361911
LCS 460-361911/2-A	Lab Control Sample	Total/NA	Solid	8270D	361911
LCS 460-361911/3-A	Lab Control Sample	Total/NA	Solid	8270D	361911
MB 460-361911/1-A	Method Blank	Total/NA	Solid	8270D	361911

Analysis Batch: 362226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111954-1	DRY_WELL	Total/NA	Solid	8270D	361911

Metals

Prep Batch: 362066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111474-C-4-K PDS	Post Spike	Total/NA	Solid	3050B	
460-111474-C-4-K SD	SD	Total/NA	Solid	3050B	
460-111474-C-4-L DU	Duplicate	Total/NA	Solid	3050B	
460-111474-C-4-M MS	Matrix Spike	Total/NA	Solid	3050B	
460-111954-1	DRY_WELL	Total/NA	Solid	3050B	
LCSSRM 460-362066/2-A ^4	Lab Control Sample	Total/NA	Solid	3050B	
MB 460-362066/1-A ^2	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 362155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111474-C-4-K PDS	Post Spike	Total/NA	Solid	6010C	362066
460-111474-C-4-K SD	SD	Total/NA	Solid	6010C	362066

TestAmerica Edison

QC Association Summary

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

TestAmerica Job ID: 460-111954-1

Metals (Continued)

Analysis Batch: 362155 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111474-C-4-L DU	Duplicate	Total/NA	Solid	6010C	362066
460-111474-C-4-M MS	Matrix Spike	Total/NA	Solid	6010C	362066
460-111954-1	DRY_WELL	Total/NA	Solid	6010C	362066
ICSA 460-362155/10	ICS		Solid	6010C	
ICSAB 460-362155/11	ICS		Solid	6010C	
MB 460-362066/1-A ^2	Method Blank	Total/NA	Solid	6010C	362066

Analysis Batch: 362357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
ICSA 460-362357/10	ICS		Solid	6010C	
ICSAB 460-362357/11	ICS		Solid	6010C	
LCSSRM 460-362066/2-A ^4	Lab Control Sample	Total/NA	Solid	6010C	362066

General Chemistry

Analysis Batch: 361961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-111734-D-2 DU	Duplicate	Total/NA	Solid	Moisture	
460-111954-1	DRY_WELL	Total/NA	Solid	Moisture	

Lab Chronicle

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

TestAmerica Job ID: 460-111954-1

Client Sample ID: DRY_WELL

Date Collected: 04/11/16 11:50

Date Received: 04/11/16 16:40

Lab Sample ID: 460-111954-1

Matrix: Solid

Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			361960	04/11/16 19:11	DBM	TAL EDI
Total/NA	Analysis	8260C		1	361975	04/12/16 02:53	KLB	TAL EDI
Total/NA	Prep	3546			361911	04/11/16 20:42	RAD	TAL EDI
Total/NA	Analysis	8270D		2	362226	04/13/16 16:01	MMC	TAL EDI
Total/NA	Prep	3050B			362066	04/12/16 07:42	MDC	TAL EDI
Total/NA	Analysis	6010C		4	362155	04/12/16 14:46	YZH	TAL EDI
Total/NA	Analysis	Moisture		1	361961	04/11/16 18:39	JDH	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: 460-111954-1

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	

8260C

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111954-1
SDG No.: _____
Matrix: Solid Level: Low
GC Column (1): Rtx-624 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
DRY_WELL	460-111954-1	101	100	107	103
	MB 460-361975/7	96	98	100	100
	LB3 460-361960/1-A	89	88	95	92
	LCS 460-361975/3	93	94	101	98
	LCSD 460-361975/4	95	92	102	99

DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

QC LIMITS
61-149
78-135
73-121
67-126

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111954-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: K52540.D
 Lab ID: LCS 460-361975/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	19.5	98	78-139	
1,1,2,2-Tetrachloroethane	20.0	19.1	96	64-128	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.8	99	83-136	
1,1,2-Trichloroethane	20.0	19.3	96	76-118	
1,1-Dichloroethane	20.0	20.6	103	83-131	
1,1-Dichloroethene	20.0	18.7	94	80-120	
1,2,3-Trichlorobenzene	20.0	19.3	96	77-116	
1,2,4-Trichlorobenzene	20.0	19.6	98	77-116	
1,2-Dibromo-3-Chloropropane	20.0	18.4	92	63-131	
1,2-Dichlorobenzene	20.0	20.1	100	80-120	
1,2-Dichloroethane	20.0	19.5	97	75-132	
1,2-Dichloropropane	20.0	20.5	103	77-124	
1,3-Dichlorobenzene	20.0	20.6	103	80-120	
1,4-Dichlorobenzene	20.0	20.2	101	80-120	
1,4-Dioxane	400	428	107	80-128	
2-Butanone (MEK)	100	88.9	89	58-150	
2-Hexanone	100	99.0	99	75-137	
4-Methyl-2-pentanone (MIBK)	100	102	102	81-121	
Acetone	100	95.7	96	66-150	
Benzene	20.0	21.0	105	78-122	
Bromoform	20.0	17.5	87	47-150	
Bromomethane	20.0	17.8	89	74-125	
Carbon disulfide	20.0	19.4	97	82-127	
Carbon tetrachloride	20.0	19.8	99	62-150	
Chlorobenzene	20.0	19.8	99	80-120	
Chlorobromomethane	20.0	18.8	94	73-132	
Chlorodibromomethane	20.0	18.8	94	68-132	
Chloroethane	20.0	19.8	99	63-143	
Chloroform	20.0	19.6	98	80-120	
Chloromethane	20.0	22.1	111	73-130	
cis-1,2-Dichloroethene	20.0	19.5	97	80-120	
cis-1,3-Dichloropropene	20.0	19.9	100	75-118	
Cyclohexane	20.0	21.7	109	77-137	
Dichlorobromomethane	20.0	19.4	97	76-130	
Dichlorodifluoromethane	20.0	18.2	91	73-122	
Ethylbenzene	20.0	20.7	104	80-120	
Ethylene Dibromide	20.0	19.2	96	80-120	
Isopropylbenzene	20.0	21.0	105	80-120	
Methyl acetate	100	101	101	66-150	
Methyl tert-butyl ether	20.0	19.5	97	80-120	
Methylcyclohexane	20.0	20.8	104	84-127	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111954-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: K52540.D
 Lab ID: LCS 460-361975/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Methylene Chloride	20.0	18.9	95	80-120	
m-Xylene & p-Xylene	20.0	20.7	104	80-120	
o-Xylene	20.0	20.7	104	80-120	
Styrene	20.0	20.7	104	80-120	
Tetrachloroethene	20.0	19.5	97	68-130	
Toluene	20.0	20.0	100	80-120	
trans-1,2-Dichloroethene	20.0	19.4	97	86-126	
trans-1,3-Dichloropropene	20.0	19.9	99	73-118	
Trichloroethene	20.0	19.2	96	80-120	
Trichlorofluoromethane	20.0	16.3	82	73-134	
Vinyl chloride	20.0	20.3	101	77-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111954-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: K52541.D
 Lab ID: LCSD 460-361975/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	20.0	18.5	93	5	30	78-139	
1,1,2,2-Tetrachloroethane	20.0	18.3	92	4	30	64-128	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.3	92	8	30	83-136	
1,1,2-Trichloroethane	20.0	18.4	92	5	30	76-118	
1,1-Dichloroethane	20.0	18.7	94	9	30	83-131	
1,1-Dichloroethene	20.0	18.0	90	4	30	80-120	
1,2,3-Trichlorobenzene	20.0	17.7	89	8	30	77-116	
1,2,4-Trichlorobenzene	20.0	18.4	92	7	30	77-116	
1,2-Dibromo-3-Chloropropane	20.0	18.1	91	2	30	63-131	
1,2-Dichlorobenzene	20.0	18.9	95	6	30	80-120	
1,2-Dichloroethane	20.0	18.4	92	5	30	75-132	
1,2-Dichloropropane	20.0	19.1	95	7	30	77-124	
1,3-Dichlorobenzene	20.0	19.1	95	8	30	80-120	
1,4-Dichlorobenzene	20.0	18.9	95	7	30	80-120	
1,4-Dioxane	400	440	110	3	30	80-128	
2-Butanone (MEK)	100	85.9	86	4	30	58-150	
2-Hexanone	100	94.7	95	4	30	75-137	
4-Methyl-2-pentanone (MIBK)	100	98.1	98	4	30	81-121	
Acetone	100	95.0	95	1	30	66-150	
Benzene	20.0	19.6	98	7	30	78-122	
Bromoform	20.0	16.7	83	5	30	47-150	
Bromomethane	20.0	17.8	89	0	30	74-125	
Carbon disulfide	20.0	18.2	91	6	30	82-127	
Carbon tetrachloride	20.0	18.7	93	6	30	62-150	
Chlorobenzene	20.0	18.8	94	5	30	80-120	
Chlorobromomethane	20.0	18.2	91	3	30	73-132	
Chlorodibromomethane	20.0	17.9	89	5	30	68-132	
Chloroethane	20.0	19.2	96	3	30	63-143	
Chloroform	20.0	18.5	92	6	30	80-120	
Chloromethane	20.0	22.1	110	0	30	73-130	
cis-1,2-Dichloroethene	20.0	18.4	92	6	30	80-120	
cis-1,3-Dichloropropene	20.0	18.6	93	7	30	75-118	
Cyclohexane	20.0	20.6	103	5	30	77-137	
Dichlorobromomethane	20.0	18.3	91	6	30	76-130	
Dichlorodifluoromethane	20.0	17.7	89	2	30	73-122	
Ethylbenzene	20.0	19.4	97	6	30	80-120	
Ethylene Dibromide	20.0	17.9	90	7	30	80-120	
Isopropylbenzene	20.0	20.0	100	5	30	80-120	
Methyl acetate	100	102	102	0	30	66-150	
Methyl tert-butyl ether	20.0	19.1	95	2	30	80-120	
Methylcyclohexane	20.0	19.6	98	6	30	84-127	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111954-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: K52541.D
 Lab ID: LCSD 460-361975/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Methylene Chloride	20.0	17.7	88	7	30	80-120	
m-Xylene & p-Xylene	20.0	19.6	98	6	30	80-120	
o-Xylene	20.0	19.8	99	4	30	80-120	
Styrene	20.0	19.5	98	6	30	80-120	
Tetrachloroethene	20.0	18.4	92	6	30	68-130	
Toluene	20.0	18.9	94	6	30	80-120	
trans-1,2-Dichloroethene	20.0	18.2	91	6	30	86-126	
trans-1,3-Dichloropropene	20.0	18.8	94	6	30	73-118	
Trichloroethene	20.0	18.2	91	6	30	80-120	
Trichlorofluoromethane	20.0	16.2	81	1	30	73-134	
Vinyl chloride	20.0	19.8	99	2	30	77-130	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-111954-1
SDG No.: _____
Lab File ID: K52544.D Lab Sample ID: MB 460-361975/7
Matrix: Solid Heated Purge: (Y/N) Y
Instrument ID: CVOAMS9 Date Analyzed: 04/11/2016 23:18
GC Column: Rtx-624 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-361975/3	K52540.D	04/11/2016 21:33
	LCSD 460-361975/4	K52541.D	04/11/2016 21:59
	LB3 460-361960/1-A	K52545.D	04/12/2016 00:14
DRY_WELL	460-111954-1	K52551.D	04/12/2016 02:53

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-111954-1
 SDG No.: _____
 Lab File ID: K51266.D BFB Injection Date: 03/10/2016
 Instrument ID: CVOAMS9 BFB Injection Time: 21:40
 Analysis Batch No.: 355383

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.1
75	30.0 - 60.0 % of mass 95	47.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	76.6
175	5.0 - 9.0 % of mass 174	5.9 (7.7) 1
176	95.0 - 101.0 % of mass 174	74.2 (96.8) 1
177	5.0 - 9.0 % of mass 176	4.8 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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
	STD1 460-355383/3	K51268.D	03/10/2016	22:34
	STD5 460-355383/4	K51269.D	03/10/2016	23:01
	STD20 460-355383/5	K51270.D	03/10/2016	23:27
	STD50 460-355383/6	K51271.D	03/10/2016	23:54
	STD200 460-355383/7	K51272.D	03/11/2016	00:21
	STD500 460-355383/8	K51273.D	03/11/2016	00:48
	ICV 460-355383/13	K51278.D	03/11/2016	03:02

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-111954-1
 SDG No.: _____
 Lab File ID: K52538.D BFB Injection Date: 04/11/2016
 Instrument ID: CVOAMS9 BFB Injection Time: 20:40
 Analysis Batch No.: 361975

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.4
75	30.0 - 60.0 % of mass 95	48.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.5
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	74.5
175	5.0 - 9.0 % of mass 174	5.6 (7.6) 1
176	95.0 - 101.0 % of mass 174	71.7 (96.3) 1
177	5.0 - 9.0 % of mass 176	4.6 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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 460-361975/2	K52539.D	04/11/2016	21:07
	LCS 460-361975/3	K52540.D	04/11/2016	21:33
	LCSD 460-361975/4	K52541.D	04/11/2016	21:59
	MB 460-361975/7	K52544.D	04/11/2016	23:18
	LB3 460-361960/1-A	K52545.D	04/12/2016	00:14
DRY_WELL	460-111954-1	K52551.D	04/12/2016	02:53

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

Lab Name: TestAmerica Edison Job No.: 460-111954-1
 SDG No.: _____
 Sample No.: STD20 460-355383/5 Date Analyzed: 03/10/2016 23:27
 Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): K51270.D Heated Purge: (Y/N) Y
 Calibration ID: 54876

	TBA		BUT		FB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	305215	3.29	261828	4.36	469814	5.48	
UPPER LIMIT	610430	3.79	523656	4.86	939628	5.98	
LOWER LIMIT	152608	2.79	130914	3.86	234907	4.98	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-355383/13		377477	3.29	322709	4.36	530595	5.48

TBA = TBA-d9 (IS)
 BUT = 2-Butanone-d5
 FB = Fluorobenzene

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 VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-111954-1
 SDG No.: _____
 Sample No.: STD20 460-355383/5 Date Analyzed: 03/10/2016 23:27
 Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): K51270.D Heated Purge: (Y/N) Y
 Calibration ID: 54876

	DXE		CBZ		DCB	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	24223	6.17	319665	8.96	169397	11.04
UPPER LIMIT	48446	6.67	639330	9.46	338794	11.54
LOWER LIMIT	12112	5.67	159833	8.46	84699	10.54
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 460-355383/13		28880	6.19	349847	8.96	182919
						11.04

DXE = 1,4-Dioxane-d8

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

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 VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-111954-1
 SDG No.: _____
 Sample No.: CCVIS 460-361975/2 Date Analyzed: 04/11/2016 21:07
 Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): K52539.D Heated Purge: (Y/N) Y
 Calibration ID: 54876

		TBA		BUT		FB		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD		443203	3.30	412677	4.36	625453	5.48	
UPPER LIMIT		886406	3.80	825354	4.86	1250906	5.98	
LOWER LIMIT		221602	2.80	206339	3.86	312727	4.98	
LAB SAMPLE ID		CLIENT SAMPLE ID						
LCS 460-361975/3		369381	3.27	355308	4.35	623672	5.47	
LCSD 460-361975/4		373172	3.28	361244	4.36	619914	5.48	
MB 460-361975/7		365208	3.27	357098	4.36	597573	5.47	
LB3 460-361960/1-A		301188	3.28	308262	4.35	603240	5.47	
460-111954-1		DRY_WELL	316212	3.26	313992	4.36	578556	5.47

TBA = TBA-d9 (IS)
 BUT = 2-Butanone-d5
 FB = Fluorobenzene

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 VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-111954-1
 SDG No.: _____
 Sample No.: CCVIS 460-361975/2 Date Analyzed: 04/11/2016 21:07
 Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): K52539.D Heated Purge: (Y/N) Y
 Calibration ID: 54876

		DXE		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		31961	6.18	419430	8.96	216687	11.03
UPPER LIMIT		63922	6.68	838860	9.46	433374	11.53
LOWER LIMIT		15981	5.68	209715	8.46	108344	10.53
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 460-361975/3		28553	6.18	416291	8.95	211588	11.03
LCSD 460-361975/4		27332	6.18	414455	8.95	214241	11.03
MB 460-361975/7		26629	6.17	400704	8.95	207810	11.03
LB3 460-361960/1-A		21056	6.17	396628	8.95	202773	11.03
460-111954-1		21014	6.18	380348	8.95	188400	11.03
DRY_WELL							

DXE = 1,4-Dioxane-d8

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

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 VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111954-1</u>
SDG No.: _____	
Client Sample ID: <u>DRY_WELL</u>	Lab Sample ID: <u>460-111954-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>K52551.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>04/11/2016 11:50</u>
Sample wt/vol: <u>4.89(g)</u>	Date Analyzed: <u>04/12/2016 02:53</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
% Moisture: <u>9.2</u>	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>361975</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.1	U	1.1	0.43
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	1.1	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	U	1.1	0.50
79-00-5	1,1,2-Trichloroethane	1.1	U	1.1	0.32
75-34-3	1,1-Dichloroethane	1.1	U	1.1	0.38
75-35-4	1,1-Dichloroethene	1.1	U	1.1	0.46
87-61-6	1,2,3-Trichlorobenzene	1.1	U	1.1	0.12
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	1.1	U	1.1	0.53
95-50-1	1,2-Dichlorobenzene	1.1	U	1.1	0.16
107-06-2	1,2-Dichloroethane	1.1	U	1.1	0.12
78-87-5	1,2-Dichloropropane	1.1	U	1.1	0.19
541-73-1	1,3-Dichlorobenzene	1.1	U	1.1	0.14
106-46-7	1,4-Dichlorobenzene	1.1	U	1.1	0.15
123-91-1	1,4-Dioxane	23	U	23	7.2
78-93-3	2-Butanone (MEK)	5.6	U	5.6	0.87
591-78-6	2-Hexanone	5.6	U	5.6	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.6	U	5.6	2.5
67-64-1	Acetone	5.6	U	5.6	1.2
71-43-2	Benzene	1.1	U	1.1	0.23
75-25-2	Bromoform	1.1	U	1.1	0.15
74-83-9	Bromomethane	1.1	U	1.1	0.36
75-15-0	Carbon disulfide	1.1	U	1.1	0.48
56-23-5	Carbon tetrachloride	1.1	U	1.1	0.48
108-90-7	Chlorobenzene	1.1	U	1.1	0.16
74-97-5	Chlorobromomethane	1.1	U	1.1	0.19
124-48-1	Chlorodibromomethane	1.1	U	1.1	0.17
75-00-3	Chloroethane	1.1	U	1.1	0.39
67-66-3	Chloroform	1.1	U	1.1	0.24
74-87-3	Chloromethane	1.1	U	1.1	0.43
156-59-2	cis-1,2-Dichloroethene	1.1	U	1.1	0.25
10061-01-5	cis-1,3-Dichloropropene	1.1	U	1.1	0.17
110-82-7	Cyclohexane	1.1	U	1.1	0.52
75-27-4	Dichlorobromomethane	1.1	U	1.1	0.43
75-71-8	Dichlorodifluoromethane	1.1	U	1.1	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111954-1</u>
SDG No.: _____	
Client Sample ID: <u>DRY_WELL</u>	Lab Sample ID: <u>460-111954-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>K52551.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>04/11/2016 11:50</u>
Sample wt/vol: <u>4.89(g)</u>	Date Analyzed: <u>04/12/2016 02:53</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
% Moisture: <u>9.2</u>	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>361975</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.1	U	1.1	0.20
106-93-4	Ethylene Dibromide	1.1	U	1.1	0.14
98-82-8	Isopropylbenzene	1.1	U	1.1	0.19
79-20-9	Methyl acetate	5.6	U	5.6	1.0
1634-04-4	Methyl tert-butyl ether	1.1	U	1.1	0.19
108-87-2	Methylcyclohexane	1.1	U	1.1	0.56
75-09-2	Methylene Chloride	1.1	U	1.1	0.36
179601-23-1	m-Xylene & p-Xylene	1.1	U	1.1	0.12
95-47-6	o-Xylene	1.1	U	1.1	0.18
100-42-5	Styrene	1.1	U	1.1	0.17
127-18-4	Tetrachloroethene	1.1	U	1.1	0.32
108-88-3	Toluene	1.1	U	1.1	0.21
156-60-5	trans-1,2-Dichloroethene	1.1	U	1.1	0.44
10061-02-6	trans-1,3-Dichloropropene	1.1	U	1.1	0.11
79-01-6	Trichloroethene	1.1	U	1.1	0.29
75-69-4	Trichlorofluoromethane	1.1	U	1.1	0.38
75-01-4	Vinyl chloride	1.1	U	1.1	0.44

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		78-135
460-00-4	4-Bromofluorobenzene	103		67-126
1868-53-7	Dibromofluoromethane (Surr)	101		61-149
2037-26-5	Toluene-d8 (Surr)	107		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160411-39732.b\K52551.D
 Lims ID: 460-111954-C-1-C Lab Sample ID: 460-111954-1
 Client ID: DRY_WELL
 Sample Type: Client
 Inject. Date: 12-Apr-2016 02:53:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-111954-C-1-C
 Misc. Info.: 460-0039732-014
 Operator ID: Instrument ID: CVOAMS9
 Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160411-39732.b\8260S9.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 12-Apr-2016 08:38:13 Calib Date: 11-Mar-2016 00:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51273.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK006

First Level Reviewer: desais

Date: 12-Apr-2016 08:19:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 25 TBA-d9 (IS)	65	3.260	3.297	-0.037	100	316212	1000.0	
* 38 2-Butanone-d5	46	4.357	4.362	-0.005	98	313992	250.0	
\$ 51 Dibromofluoromethane (Surr	113	4.838	4.844	-0.006	0	193213	50.4	
\$ 55 1,2-Dichloroethane-d4 (Sur	65	5.197	5.202	-0.005	97	218097	49.8	
* 61 Fluorobenzene	96	5.469	5.475	-0.006	98	578556	50.0	
* 67 1,4-Dioxane-d8	96	6.176	6.181	-0.005	97	21014	1000.0	
\$ 78 Toluene-d8 (Surr)	98	7.155	7.155	0.000	99	708663	53.4	
* 89 Chlorobenzene-d5	117	8.952	8.957	-0.005	88	380348	50.0	
\$ 100 4-Bromofluorobenzene	174	10.177	10.177	0.000	88	183060	51.3	
* 116 1,4-Dichlorobenzene-d4	152	11.033	11.033	0.000	97	188400	50.0	

Reagents:

8260ISNEW_00059	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00116	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CVOAMS9\\20160411-39732.b\\K52551.D

Injection Date: 12-Apr-2016 02:53:30

Instrument ID: CVOAMS9

Operator ID:

Lims ID: 460-111954-C-1-C

Lab Sample ID: 460-111954-1

Worklist Smp#: 14

Client ID: DRY_WELL

Purge Vol: 5.000 mL

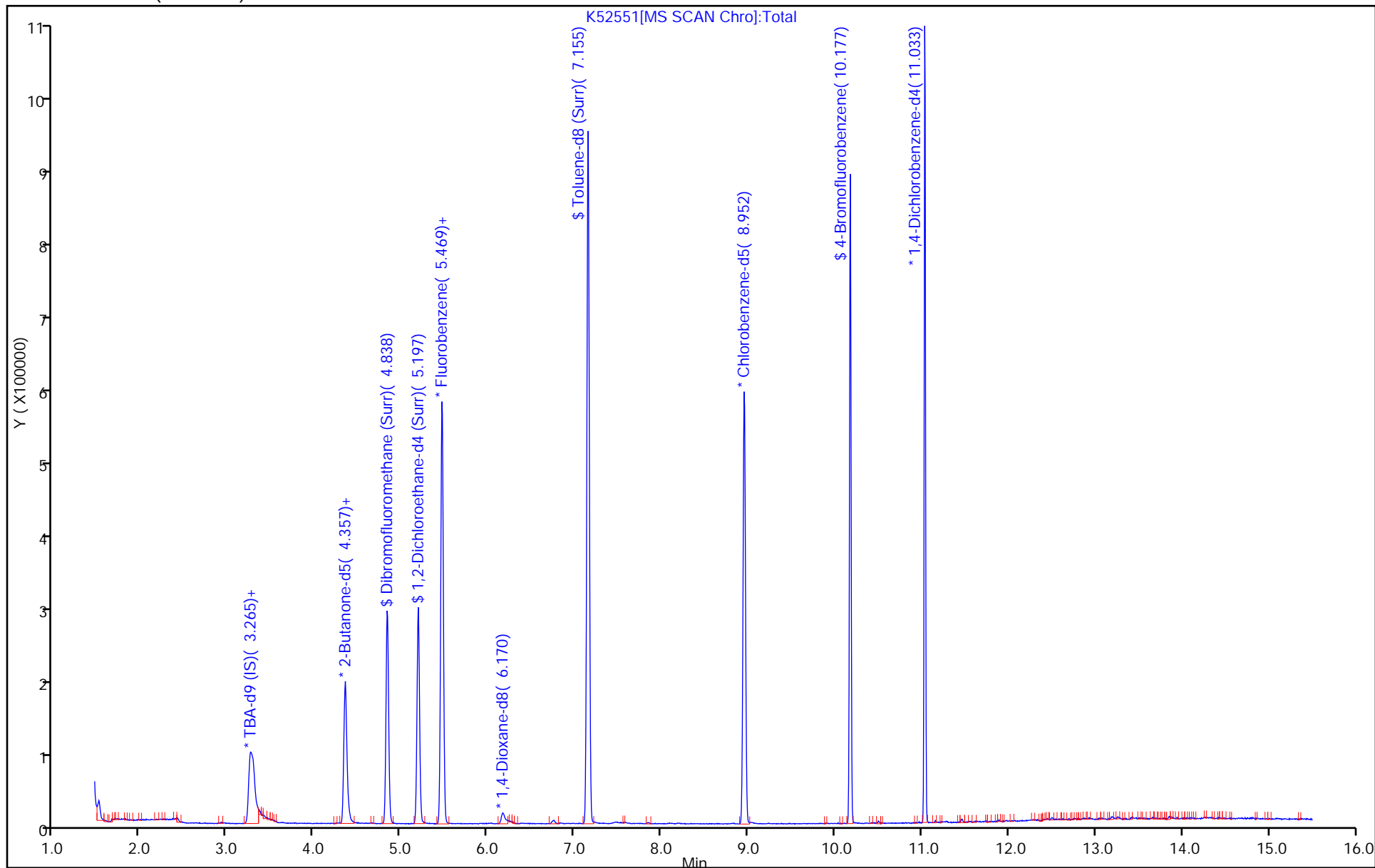
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



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

Lab Name: TestAmerica Edison Job No.: 460-111954-1 Analy Batch No.: 355383

SDG No.: _____

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/10/2016 22:34 Calibration End Date: 03/11/2016 00:48 Calibration ID: 54876

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-355383/3	K51268.D
Level 2	STD5 460-355383/4	K51269.D
Level 3	STD20 460-355383/5	K51270.D
Level 4	STD50 460-355383/6	K51271.D
Level 5	STD200 460-355383/7	K51272.D
Level 6	STD500 460-355383/8	K51273.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 3	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	0.0485 0.0660	0.0594	0.0637	0.0604	0.0685	Ave		0.0611				11.5		20.0			
Dichlorodifluoromethane	0.4413 0.4994	0.3700	0.4561	0.4227	0.5078	Ave		0.4496			0.1000	11.4		20.0			
Chloromethane	0.4441 0.4439	0.3841	0.4034	0.3827	0.4392	Ave		0.4162			0.1000	7.1		20.0			
Vinyl chloride	0.4270 0.4445	0.3825	0.4228	0.4022	0.4471	Ave		0.4210			0.1000	5.9		20.0			
Butadiene	0.3226 0.3711	0.2914	0.3366	0.3277	0.3701	Ave		0.3366				9.0		20.0			
Bromomethane	0.3058 0.2850	0.3169	0.3193	0.2870	0.3011	Ave		0.3025			0.1000	4.8		20.0			
Chloroethane	0.2199 0.2148	0.2124	0.2308	0.2088	0.2219	Ave		0.2181			0.1000	3.6		20.0			
Dichlorofluoromethane	0.7724 0.7029	0.7089	0.7726	0.7119	0.7147	Ave		0.7306				4.5		20.0			
Trichlorofluoromethane	0.5977 0.5278	0.5069	0.5458	0.5167	0.5412	Ave		0.5394			0.1000	5.9		20.0			
Pentane	0.0514 0.0565	0.0475	0.0551	0.0562	0.0531	Ave		0.0533				6.5		20.0			
Ethanol	0.0727 0.0521	0.0584	0.0469	0.0487	0.0439	Ave		0.0538				19.6		20.0			
Ethyl ether	0.2540 0.2465	0.2554	0.2563	0.2559	0.2486	Ave		0.2528				1.7		20.0			
2-Methyl-1,3-butadiene	0.2636 0.2966	0.2580	0.3087	0.3117	0.2916	Ave		0.2884				7.9		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	0.2625 0.2723	0.2623	0.2934	0.2824	0.2774	Ave		0.2751				4.4		20.0			
Acrolein	1.5228 1.1645	1.4522	1.3836	1.2914	1.2467	Ave		1.3435				10.0		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111954-1 Analy Batch No.: 355383

SDG No.: _____

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/10/2016 22:34 Calibration End Date: 03/11/2016 00:48 Calibration ID: 54876

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 3	LVL 4	LVL 5		B	M1	M2								
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3142 0.3558	0.3052	0.3488	0.3415	0.3511	Ave		0.3361			0.1000	6.3		20.0			
1,1-Dichloroethene	0.3108 0.3272	0.3069	0.3381	0.3296	0.3288	Ave		0.3236			0.1000	3.7		20.0			
Acetone	1.1997 0.9651	1.0048	0.9746	0.8512	0.9386	Ave		0.9890			0.0500	11.7		20.0			
Iodomethane	0.6355 0.5765	0.5908	0.6140	0.5927	0.5878	Ave		0.5995				3.6		20.0			
Isopropyl alcohol	0.5267 0.6922	0.7489	0.7011	0.7133	0.6486	Ave		0.6718				11.6		20.0			
Carbon disulfide	1.2681 1.2742	1.2030	1.3508	1.2947	1.2961	Ave		1.2811			0.1000	3.8		20.0			
Allyl chloride	0.2025 0.1999	0.1784	0.1955	0.1898	0.1961	Ave		0.1937				4.5		20.0			
Methyl acetate	0.2577 0.2312	0.2423	0.2487	0.2458	0.2353	Ave		0.2435			0.1000	3.9		20.0			
Cyclopentene	0.7519 0.8299	0.7528	0.8929	0.8809	0.8152	Ave		0.8206				7.4		20.0			
Acetonitrile	1.1986 1.6575	1.7186	1.4002	1.4365	1.2898	Ave		1.4502				14.0		20.0			
Methylene Chloride	0.4418 0.3573	0.3897	0.3855	0.3762	0.3619	Ave		0.3854			0.1000	7.9		20.0			
2-Methyl-2-propanol	2.3234 1.3056	1.4589	1.3712	1.3020	1.3339	QuaF		1.3471	-0.000008						1.0000		0.9900
Methyl tert-butyl ether	0.9637 0.9529	0.9517	0.9853	0.9590	0.9360	Ave		0.9581			0.1000	1.7		20.0			
trans-1,2-Dichloroethene	0.3411 0.3184	0.3300	0.3490	0.3345	0.3243	Ave		0.3329			0.1000	3.3		20.0			
Acrylonitrile	0.1241 0.1171	0.1286	0.1257	0.1231	0.1198	Ave		0.1231				3.4		20.0			
Hexane	0.3215 0.3144	0.2584	0.2927	0.3059	0.3187	Ave		0.3020				7.9		20.0			
Isopropyl ether	1.0807 0.9905	1.0419	1.0835	1.0621	0.9628	Ave		1.0369				4.8		20.0			
1,1-Dichloroethane	0.6530 0.5928	0.6110	0.6533	0.6307	0.6095	Ave		0.6250			0.2000	4.0		20.0			
Vinyl acetate	0.5362 0.6582	0.6184	0.6147	0.6045	0.6631	Ave		0.6158				7.4		20.0			
2-Chloro-1,3-butadiene	0.2883 0.2707	0.2758	0.2963	0.2945	0.2718	Ave		0.2829				4.1		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111954-1 Analy Batch No.: 355383

SDG No.: _____

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/10/2016 22:34 Calibration End Date: 03/11/2016 00:48 Calibration ID: 54876

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 3	LVL 4	LVL 5		B	M1	M2								
Tert-butyl ethyl ether	0.9929 0.9766	0.9716	1.0313	1.0182	0.9241	Ave		0.9858				3.9		20.0			
2,2-Dichloropropane	0.1040 0.1479	0.1438	0.1552	0.1484	0.1508	Ave		0.1417				13.3		20.0			
cis-1,2-Dichloroethene	0.3882 0.3484	0.3700	0.3741	0.3713	0.3571	Ave		0.3682			0.1000	3.8		20.0			
Ethyl acetate	7.1046 5.7472	6.1076	6.1483	6.0147	5.8428	Ave		6.1608				7.9		20.0			
2-Butanone (MEK)	0.3965 0.3315	0.3589	0.3445	0.3363	0.3372	Ave		0.3508			0.0500	6.9		20.0			
Methyl acrylate	0.2872 0.2605	0.2620	0.2723	0.2583	0.2489	Ave		0.2649				5.0		20.0			
Propionitrile	1.7312 1.3209	1.5603	1.5581	1.5101	1.3630	Ave		1.5072				9.9		20.0			
Tetrahydrofuran	0.5349 0.4032	0.3999	0.4369	0.4221	0.4178	Ave		0.4358				11.6		20.0			
Chlorobromomethane	0.1868 0.1664	0.1763	0.1790	0.1746	0.1688	Ave		0.1753				4.2		20.0			
Methacrylonitrile	0.1365 0.1197	0.1292	0.1357	0.1315	0.1214	Ave		0.1290				5.5		20.0			
Chloroform	0.6274 0.5531	0.5850	0.6038	0.5876	0.5649	Ave		0.5870			0.2000	4.5		20.0			
Cyclohexane	0.5340 0.6288	0.5127	0.6094	0.6185	0.6268	Ave		0.5884			0.1000	8.7		20.0			
1,1,1-Trichloroethane	0.4979 0.4845	0.4514	0.4978	0.4877	0.4892	Ave		0.4848			0.1000	3.6		20.0			
Carbon tetrachloride	0.3729 0.4107	0.3487	0.3977	0.3947	0.4058	Ave		0.3884			0.1000	6.0		20.0			
1,1-Dichloropropene	0.4478 0.4519	0.4214	0.4735	0.4663	0.4606	Ave		0.4536				4.0		20.0			
Isobutyl alcohol	0.4202 0.5530	0.3936	0.4431	0.4844	0.5509	Ave		0.4742				14.2		20.0			
Benzene	1.8913 1.8125	1.9198	2.0044	1.9565	1.8919	Ave		1.9127			0.5000	3.4		20.0			
Isopropyl acetate	1.0106 0.9301	0.9365	0.9584	0.9515	0.9316	Ave		0.9531				3.2		20.0			
Tert-amyl methyl ether	0.9582 0.9845	0.9542	1.0331	1.0182	0.9351	Ave		0.9805				3.9		20.0			
1,2-Dichloroethane	0.4833 0.4141	0.4341	0.4313	0.4262	0.4210	Ave		0.4350			0.1000	5.7		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111954-1 Analy Batch No.: 355383

SDG No.: _____

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/10/2016 22:34 Calibration End Date: 03/11/2016 00:48 Calibration ID: 54876

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 3	LVL 4	LVL 5		B	M1	M2								
n-Heptane	0.2367 0.3012	0.2412	0.2795	0.3181	0.3420	Ave		0.2864				14.7		20.0			
n-Butanol	0.2895 0.3549	0.2358	0.2785	0.3150	0.3437	Ave		0.3029				14.6		20.0			
Trichloroethene	0.3412 0.3311	0.3168	0.3399	0.3348	0.3363	Ave		0.3334			0.2000	2.7		20.0			
Ethyl acrylate	0.7705 0.8914	0.7378	0.8127	0.8503	0.8714	Ave		0.8223				7.3		20.0			
Methylcyclohexane	0.5180 0.6371	0.4720	0.5857	0.6243	0.6389	Ave		0.5793			0.1000	12.0		20.0			
1,2-Dichloropropane	0.3561 0.3392	0.3186	0.3404	0.3330	0.3412	Ave		0.3381			0.1000	3.6		20.0			
Methyl methacrylate	0.2688 0.2714	0.2328	0.2528	0.2530	0.2616	Ave		0.2567				5.5		20.0			
1,4-Dioxane	1.8072 1.1574	1.4899	1.5850	1.5079	1.3363	Ave		1.4806				14.9		20.0			
n-Propyl acetate	0.4646 0.4707	0.3842	0.4263	0.4302	0.4324	Ave		0.4347				7.2		20.0			
Dibromomethane	0.2390 0.2074	0.2197	0.2096	0.2099	0.2087	Ave		0.2157				5.7		20.0			
Dichlorobromomethane	0.4276 0.4379	0.3898	0.4175	0.4217	0.4373	Ave		0.4220			0.2000	4.2		20.0			
2-Chloroethyl vinyl ether	0.1972 0.2003	0.1705	0.1772	0.1847	0.1887	Ave		0.1864				6.1		20.0			
2-Nitropropane	0.0983 0.0761	0.0665	0.0581	0.0599	0.0675	QuaF		0.0612	0.0000150						1.0000		0.9900
Epichlorohydrin	0.3041 0.3015	0.2762	0.2908	0.2891	0.3051	Ave		0.2945				3.8		20.0			
cis-1,3-Dichloropropene	0.7307 0.7779	0.6762	0.7323	0.7352	0.7760	Ave		0.7381			0.2000	5.1		20.0			
4-Methyl-2-pentanone (MIBK)	3.0194 2.9161	2.6891	2.9453	2.9045	3.0255	Ave		2.9167			0.0500	4.2		20.0			
Toluene	2.1816 1.9282	1.8846	1.9667	1.9334	1.9695	Ave		1.9773			0.4000	5.3		20.0			
trans-1,3-Dichloropropene	0.5952 0.6625	0.5690	0.5958	0.6048	0.6541	Ave		0.6136			0.1000	6.0		20.0			
Ethyl methacrylate	0.5023 0.5642	0.4690	0.5022	0.5120	0.5593	Ave		0.5182				7.1		20.0			
1,1,2-Trichloroethane	0.3601 0.3404	0.3531	0.3453	0.3410	0.3490	Ave		0.3482			0.1000	2.2		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111954-1 Analy Batch No.: 355383

SDG No.: _____

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/10/2016 22:34 Calibration End Date: 03/11/2016 00:48 Calibration ID: 54876

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 3	LVL 4	LVL 5		B	M1	M2								
Tetrachloroethene	0.4127 0.4372	0.4192	0.4357	0.4339	0.4462	Ave		0.4308			0.2000	2.9		20.0			
1,3-Dichloropropane	0.6995 0.6497	0.6154	0.6339	0.6279	0.6456	Ave		0.6453				4.5		20.0			
2-Hexanone	2.0441 2.0066	1.7413	1.8974	1.8744	2.0119	Ave		1.9293			0.0500	5.9		20.0			
n-Butyl acetate	0.6481 0.6549	0.6058	0.6134	0.6250	0.6242	Ave		0.6286				3.1		20.0			
Chlorodibromomethane	0.4418 0.4476	0.3957	0.4100	0.4188	0.4445	Ave		0.4264			0.1000	5.0		20.0			
Ethylene Dibromide	0.3863 0.3957	0.3805	0.3891	0.3839	0.3945	Ave		0.3883			0.1000	1.5		20.0			
Chlorobenzene	1.3095 1.2031	1.1708	1.2371	1.1913	1.2061	Ave		1.2196			0.5000	4.0		20.0			
Ethylbenzene	0.6594 0.6610	0.5879	0.6588	0.6467	0.6674	Ave		0.6469			0.1000	4.6		20.0			
1,1,1,2-Tetrachloroethane	0.4258 0.4442	0.3999	0.4231	0.4307	0.4433	Ave		0.4278				3.8		20.0			
m-Xylene & p-Xylene	0.8059 0.8123	0.7261	0.8066	0.8033	0.8196	Ave		0.7956			0.1000	4.3		20.0			
n-Butyl acrylate	0.3069 0.3195	0.2856	0.2950	0.3062	0.3106	Ave		0.3040				3.9		20.0			
o-Xylene	0.7964 0.8366	0.7448	0.8578	0.8501	0.8624	Ave		0.8247			0.3000	5.6		20.0			
Styrene	1.2686 1.3294	1.1931	1.3492	1.3278	1.3440	Ave		1.3020			0.3000	4.7		20.0			
Amyl acetate (mixed isomers)	1.3067 1.5093	1.2400	1.3802	1.4511	1.4556	Ave		1.3905				7.3		20.0			
Bromoform	0.2920 0.2602	0.2468	0.2283	0.2385	0.2549	Ave		0.2534			0.1000	8.7		20.0			
Isopropylbenzene	1.8625 2.1862	1.9050	2.1771	2.2024	2.2738	Ave		2.1012			0.1000	8.2		20.0			
Bromobenzene	1.0153 0.9733	0.9112	0.9584	0.9560	0.9677	Ave		0.9637				3.5		20.0			
1,1,2,2-Tetrachloroethane	1.2876 1.1261	1.1050	1.1223	1.1139	1.1411	Ave		1.1493			0.3000	6.0		20.0			
N-Propylbenzene	4.8013 5.1387	4.5345	4.9845	5.1947	5.3188	Ave		4.9954				5.8		20.0			
1,2,3-Trichloropropane	0.2898 0.2693	0.2765	0.2708	0.2664	0.2716	Ave		0.2741				3.1		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111954-1 Analy Batch No.: 355383
SDG No.: _____
Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y
Calibration Start Date: 03/10/2016 22:34 Calibration End Date: 03/11/2016 00:48 Calibration ID: 54876

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 3	LVL 4	LVL 5		B	M1	M2								
trans-1,4-Dichloro-2-butene	0.2904 0.3069	0.2570	0.2747	0.2771	0.2967	Ave		0.2838				6.3		20.0			
2-Chlorotoluene	3.3482 3.4136	3.1459	3.3553	3.4048	3.4465	Ave		3.3524				3.2		20.0			
4-Ethyltoluene	3.8847 3.9018	3.6859	4.0550	4.1530	3.7968	Ave		3.9129				4.3		20.0			
1,3,5-Trimethylbenzene	3.2498 3.7800	3.0503	3.5064	3.6130	3.8100	Ave		3.5016				8.6		20.0			
4-Chlorotoluene	3.0019 3.0160	2.7224	2.9423	2.9499	3.0023	Ave		2.9391				3.8		20.0			
Butyl Methacrylate	0.8695 1.2052	0.8981	1.0331	1.1284	1.1399	Ave		1.0457				13.1		20.0			
tert-Butylbenzene	2.4747 3.1404	2.3223	2.7077	2.9158	3.1508	Ave		2.7853				12.4		20.0			
1,2,4-Trimethylbenzene	3.4330 3.8073	3.1840	3.6197	3.7134	3.8408	Ave		3.5997				7.0		20.0			
sec-Butylbenzene	3.9349 4.9342	4.0136	4.5378	4.8711	5.1936	Ave		4.5809				11.2		20.0			
4-Isopropyltoluene	3.4838 4.1411	3.3334	3.7821	4.0637	4.2861	Ave		3.8484				9.9		20.0			
1,3-Dichlorobenzene	1.9749 1.8713	1.8334	1.9041	1.8680	1.9055	Ave		1.8928			0.6000	2.5		20.0			
1,4-Dichlorobenzene	2.1096 1.8949	1.8380	1.8563	1.8767	1.8944	Ave		1.9116			0.5000	5.2		20.0			
Benzyl chloride	1.7874 1.9755	1.5121	1.7017	1.7577	1.8732	Ave		1.7679				8.9		20.0			
Indan	3.7166 3.5269	3.4783	3.7471	3.8236	3.4932	Ave		3.6310				4.1		20.0			
p-Diethylbenzene	2.1858 2.2341	2.0679	2.2287	2.3566	2.1104	Ave		2.1972				4.6		20.0			
n-Butylbenzene	4.3102 4.7399	4.2392	4.5348	4.7637	4.8527	Ave		4.5734				5.6		20.0			
1,2-Dichlorobenzene	2.0880 1.9006	1.8012	1.8893	1.8876	1.8937	Ave		1.9101			0.4000	5.0		20.0			
1,2,4,5-Tetramethylbenzene	3.4209 3.8025	3.3212	3.6412	3.9292	3.6021	Ave		3.6195				6.3		20.0			
1,2-Dibromo-3-Chloropropane	0.2642 0.2367	0.2146	0.2248	0.2194	0.2341	Ave		0.2323			0.0500	7.7		20.0			
1,3,5-Trichlorobenzene	1.6391 1.4942	1.4704	1.5358	1.5816	1.3941	Ave		1.5192				5.7		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111954-1 Analy Batch No.: 355383

SDG No.: _____

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/10/2016 22:34 Calibration End Date: 03/11/2016 00:48 Calibration ID: 54876

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 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trichlorobenzene	1.6342 1.5391	1.4090	1.4525	1.5130	1.5371	Ave		1.5141			0.2000	5.2		20.0			
Hexachlorobutadiene	0.6691 0.7642	0.5895	0.6255	0.6879	0.7563	Ave		0.6821				10.2		20.0			
Naphthalene	4.0851 4.0719	3.7061	3.9699	4.0695	4.1119	Ave		4.0024				3.8		20.0			
1,2,3-Trichlorobenzene	1.7621 1.5139	1.4340	1.4473	1.5116	1.5051	Ave		1.5290				7.8		20.0			
Dibromofluoromethane (Surr)	0.3472 0.3186	0.3414	0.3220	0.3325	0.3250	Ave		0.3311				3.4		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3779 0.4048	0.3783	0.3569	0.3701	0.3830	Ave		0.3785				4.2		20.0			
Toluene-d8 (Surr)	1.7363 1.7566	1.7494	1.6773	1.7404	1.8014	Ave		1.7436				2.3		20.0			
4-Bromofluorobenzene	0.4795 0.4623	0.4835	0.4591	0.4657	0.4659	Ave		0.4693				2.1		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-111954-1 Analy Batch No.: 355383

SDG No.: _____

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/10/2016 22:34 Calibration End Date: 03/11/2016 00:48 Calibration ID: 54876

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-355383/3	K51268.D
Level 2	STD5 460-355383/4	K51269.D
Level 3	STD20 460-355383/5	K51270.D
Level 4	STD50 460-355383/6	K51271.D
Level 5	STD200 460-355383/7	K51272.D
Level 6	STD500 460-355383/8	K51273.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Chlorotrifluoroethene	FB	Ave	429 372633	2718	11973	29966	143375	1.00 500	5.00	20.0	50.0	200
Dichlorodifluoromethane	FB	Ave	3905 2819798	16938	85722	209570	1063460	1.00 500	5.00	20.0	50.0	200
Chloromethane	FB	Ave	3929 2506368	17584	75818	189730	919778	1.00 500	5.00	20.0	50.0	200
Vinyl chloride	FB	Ave	3778 2509848	17510	79457	199369	936213	1.00 500	5.00	20.0	50.0	200
Butadiene	FB	Ave	2854 2095497	13340	63251	162458	775008	1.00 500	5.00	20.0	50.0	200
Bromomethane	FB	Ave	2706 1608859	14507	60008	142301	630613	1.00 500	5.00	20.0	50.0	200
Chloroethane	FB	Ave	1946 1212956	9722	43375	103516	464684	1.00 500	5.00	20.0	50.0	200
Dichlorofluoromethane	FB	Ave	6834 3968805	32453	145186	352914	1496554	1.00 500	5.00	20.0	50.0	200
Trichlorofluoromethane	FB	Ave	5288 2980205	23205	102578	256170	1133359	1.00 500	5.00	20.0	50.0	200
Pentane	FB	Ave	909 638298	4353	20719	55754	222568	2.00 1000	10.0	40.0	100	400
Ethanol	TBA	Ave	792 409377	3538	11453	31262	122195	40.0 20000	200	800	2000	8000
Ethyl ether	FB	Ave	2247 1391625	11690	48170	126857	520491	1.00 500	5.00	20.0	50.0	200
2-Methyl-1,3-butadiene	FB	Ave	2332 1674375	11810	58014	154523	610679	1.00 500	5.00	20.0	50.0	200
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	2323 1537359	12006	55140	140004	580978	1.00 500	5.00	20.0	50.0	200
Acrolein	TBA	Ave	41456 274329	87931	126688	165673	216831	100 600	200	300	400	500
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	2780 2009044	13971	65540	169315	735208	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-111954-1 Analy Batch No.: 355383

SDG No.: _____

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/10/2016 22:34 Calibration End Date: 03/11/2016 00:48 Calibration ID: 54876

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1-Dichloroethene	FB	Ave	2750 1847365	14048	63547	163404	688478	1.00 500	5.00	20.0	50.0	200
Acetone	BUT	Ave	5703 3110679	26068	102069	233295	1107949	5.00 2500	25.0	100	250	1000
Iodomethane	FB	Ave	5623 3254862	27046	115384	293811	1230966	1.00 500	5.00	20.0	50.0	200
Isopropyl alcohol	TBA	Ave	1434 1358876	11337	42798	114392	451231	10.0 5000	50.0	200	500	2000
Carbon disulfide	FB	Ave	11220 7193995	55072	253842	641848	2714102	1.00 500	5.00	20.0	50.0	200
Allyl chloride	FB	Ave	1792 1128542	8165	36736	94089	410743	1.00 500	5.00	20.0	50.0	200
Methyl acetate	FB	Ave	11401 6527645	55462	233731	609362	2463850	5.00 2500	25.0	100	250	1000
Cyclopentene	FB	Ave	6653 4685573	34464	167802	436716	1707159	1.00 500	5.00	20.0	50.0	200
Acetonitrile	TBA	Ave	3263 3253746	26015	85474	230357	897303	10.0 5000	50.0	200	500	2000
Methylene Chloride	FB	Ave	3909 2017241	17841	72448	186518	757834	1.00 500	5.00	20.0	50.0	200
2-Methyl-2-propanol	TBA	QuaF	6325 2563013	22085	83703	208796	927922	10.0 5000	50.0	200	500	2000
Methyl tert-butyl ether	FB	Ave	8527 5380025	43567	185166	475398	1959998	1.00 500	5.00	20.0	50.0	200
trans-1,2-Dichloroethene	FB	Ave	3018 1797871	15109	65582	165830	679197	1.00 500	5.00	20.0	50.0	200
Acrylonitrile	FB	Ave	10982 6609766	58860	236312	610486	2507804	10.0 5000	50.0	200	500	2000
Hexane	FB	Ave	2845 1775202	11831	55007	151655	667411	1.00 500	5.00	20.0	50.0	200
Isopropyl ether	FB	Ave	9562 5592236	47697	203624	526518	2016237	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethane	FB	Ave	5778 3346829	27973	122765	312666	1276265	1.00 500	5.00	20.0	50.0	200
Vinyl acetate	FB	Ave	9488 7432055	56619	231042	599365	2777331	2.00 1000	10.0	40.0	100	400
2-Chloro-1,3-butadiene	FB	Ave	2551 1528243	12628	55673	145999	569198	1.00 500	5.00	20.0	50.0	200
Tert-butyl ethyl ether	FB	Ave	8785 5513988	44480	193806	504755	1935082	1.00 500	5.00	20.0	50.0	200
2,2-Dichloropropane	FB	Ave	920 835023	6585	29172	73583	315852	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-111954-1 Analy Batch No.: 355383

SDG No.: _____

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/10/2016 22:34 Calibration End Date: 03/11/2016 00:48 Calibration ID: 54876

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
cis-1,2-Dichloroethene	FB	Ave	3435 1967131	16939	70298	184079	747731	1.00 500	5.00	20.0	50.0	200
Ethyl acetate	BUT	Ave	13509 7409394	63383	257568	659395	2758794	2.00 1000	10.0	40.0	100	400
2-Butanone (MEK)	BUT	Ave	1885 1068374	9311	36075	92166	397997	5.00 2500	25.0	100	250	1000
Methyl acrylate	FB	Ave	2541 1470992	11992	51167	128046	521311	1.00 500	5.00	20.0	50.0	200
Propionitrile	TBA	Ave	4713 2592966	23619	95109	242156	948176	10.0 5000	50.0	200	500	2000
Tetrahydrofuran	BUT	Ave	1017 519775	4150	18303	46277	197295	2.00 1000	10.0	40.0	100	400
Chlorobromomethane	FB	Ave	1653 939395	8072	33630	86569	353443	1.00 500	5.00	20.0	50.0	200
Methacrylonitrile	FB	Ave	12079 6759323	59154	255053	651824	2542378	10.0 5000	50.0	200	500	2000
Chloroform	FB	Ave	5551 3122675	26779	113469	291300	1182971	1.00 500	5.00	20.0	50.0	200
Cyclohexane	FB	Ave	4725 3550464	23470	114523	306644	1312589	1.00 500	5.00	20.0	50.0	200
1,1,1-Trichloroethane	FB	Ave	4405 2735509	20665	93552	241787	1024484	1.00 500	5.00	20.0	50.0	200
Carbon tetrachloride	FB	Ave	3299 2319084	15965	74738	195654	849804	1.00 500	5.00	20.0	50.0	200
1,1-Dichloropropene	FB	Ave	3962 2551490	19292	88983	231171	964494	1.00 500	5.00	20.0	50.0	200
Isobutyl alcohol	TBA	Ave	2860 2714176	14894	67619	194186	958045	25.0 12500	125	500	1250	5000
Benzene	CBZ	Ave	11696 7301759	59297	256293	662794	2768727	1.00 500	5.00	20.0	50.0	200
Isopropyl acetate	FB	Ave	8942 5251421	42871	180107	471692	1950868	1.00 500	5.00	20.0	50.0	200
Tert-amyl methyl ether	FB	Ave	8478 5558197	43684	194142	504776	1958231	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane	FB	Ave	4276 2338240	19875	81047	211291	881605	1.00 500	5.00	20.0	50.0	200
n-Heptane	FB	Ave	2094 1700715	11040	52529	157687	716158	1.00 500	5.00	20.0	50.0	200
n-Butanol	TBA	Ave	1970 1741790	8922	42497	126278	597705	25.0 12500	125	500	1250	5000
Trichloroethene	FB	Ave	3019 1869546	14503	63879	165972	704215	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-111954-1 Analy Batch No.: 355383

SDG No.: _____

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/10/2016 22:34 Calibration End Date: 03/11/2016 00:48 Calibration ID: 54876

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Ethyl acrylate	FB	Ave	6817 5032561	33775	152728	421557	1824688	1.00 500	5.00	20.0	50.0	200
Methylcyclohexane	FB	Ave	4583 3597321	21609	110062	309512	1337983	1.00 500	5.00	20.0	50.0	200
1,2-Dichloropropane	FB	Ave	3151 1915373	14586	63976	165087	714591	1.00 500	5.00	20.0	50.0	200
Methyl methacrylate	FB	Ave	4757 3064139	21316	94999	250810	1095576	2.00 1000	10.0	40.0	100	400
1,4-Dioxane	DXE	Ave	839 451419	3580	15357	40402	170299	20.0 10000	100	400	1000	4000
n-Propyl acetate	FB	Ave	4111 2657314	17590	80114	213277	905428	1.00 500	5.00	20.0	50.0	200
Dibromomethane	FB	Ave	2115 1170739	10060	39390	104064	436941	1.00 500	5.00	20.0	50.0	200
Dichlorobromomethane	FB	Ave	3783 2472426	17845	78454	209075	915765	1.00 500	5.00	20.0	50.0	200
2-Chloroethyl vinyl ether	FB	Ave	1745 1130794	7805	33303	91559	395211	1.00 500	5.00	20.0	50.0	200
2-Nitropropane	FB	QuaF	1739 859595	6091	21830	59363	282628	2.00 1000	10.0	40.0	100	400
Epichlorohydrin	BUT	Ave	5783 3887117	28664	121842	316924	1440631	20.0 10000	100	400	1000	4000
cis-1,3-Dichloropropene	CBZ	Ave	4519 3133867	20886	93641	249051	1135668	1.00 500	5.00	20.0	50.0	200
4-Methyl-2-pentanone (MIBK)	BUT	Ave	14353 9398890	69768	308465	796052	3571368	5.00 2500	25.0	100	250	1000
Toluene	CBZ	Ave	13491 7768068	58210	251474	654950	2882272	1.00 500	5.00	20.0	50.0	200
trans-1,3-Dichloropropene	CBZ	Ave	3681 2669100	17575	76186	204888	957273	1.00 500	5.00	20.0	50.0	200
Ethyl methacrylate	CBZ	Ave	3106 2272917	14486	64209	173447	818533	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloroethane	CBZ	Ave	2227 1371181	10905	44154	115529	510759	1.00 500	5.00	20.0	50.0	200
Tetrachloroethene	CBZ	Ave	2552 1761246	12948	55709	147000	652959	1.00 500	5.00	20.0	50.0	200
1,3-Dichloropropane	CBZ	Ave	4326 2617377	19008	81055	212705	944813	1.00 500	5.00	20.0	50.0	200
2-Hexanone	BUT	Ave	9717 6467408	45177	198716	513721	2374869	5.00 2500	25.0	100	250	1000
n-Butyl acetate	CBZ	Ave	4008 2638286	18711	78433	211721	913471	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-111954-1 Analy Batch No.: 355383

SDG No.: _____

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/10/2016 22:34 Calibration End Date: 03/11/2016 00:48 Calibration ID: 54876

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Chlorodibromomethane	CBZ	Ave	2732 1803365	12222	52420	141886	650532	1.00 500	5.00	20.0	50.0	200
Ethylene Dibromide	CBZ	Ave	2389 1594079	11753	49751	130050	577326	1.00 500	5.00	20.0	50.0	200
Chlorobenzene	CBZ	Ave	8098 4846615	36162	158179	403578	1765107	1.00 500	5.00	20.0	50.0	200
Ethylbenzene	CBZ	Ave	4078 2662880	18159	84236	219085	976723	1.00 500	5.00	20.0	50.0	200
1,1,1,2-Tetrachloroethane	CBZ	Ave	2633 1789616	12352	54106	145887	648712	1.00 500	5.00	20.0	50.0	200
m-Xylene & p-Xylene	CBZ	Ave	4984 3272262	22428	103143	272113	1199426	1.00 500	5.00	20.0	50.0	200
n-Butyl acrylate	CBZ	Ave	1898 1287307	8821	37715	103732	454561	1.00 500	5.00	20.0	50.0	200
o-Xylene	CBZ	Ave	4925 3370110	23004	109684	287975	1262039	1.00 500	5.00	20.0	50.0	200
Styrene	CBZ	Ave	7845 5355706	36850	172519	449807	1966862	1.00 500	5.00	20.0	50.0	200
Amyl acetate (mixed isomers)	DCB	Ave	4238 3048281	20424	93522	255029	1076267	1.00 500	5.00	20.0	50.0	200
Bromoform	CBZ	Ave	1806 1048085	7622	29190	80780	373084	1.00 500	5.00	20.0	50.0	200
Isopropylbenzene	CBZ	Ave	11518 8807352	58838	278381	746094	3327641	1.00 500	5.00	20.0	50.0	200
Bromobenzene	DCB	Ave	3293 1965794	15009	64937	168022	715508	1.00 500	5.00	20.0	50.0	200
1,1,2,2-Tetrachloroethane	DCB	Ave	4176 2274334	18201	76043	195769	843723	1.00 500	5.00	20.0	50.0	200
N-Propylbenzene	DCB	Ave	15572 10378382	74687	337742	912980	3932631	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichloropropane	DCB	Ave	940 543894	4554	18352	46823	200779	1.00 500	5.00	20.0	50.0	200
trans-1,4-Dichloro-2-butene	DCB	Ave	942 619920	4233	18615	48705	219386	1.00 500	5.00	20.0	50.0	200
2-Chlorotoluene	DCB	Ave	10859 6894274	51815	227349	598390	2548240	1.00 500	5.00	20.0	50.0	200
4-Ethyltoluene	DCB	Ave	12599 7880148	60710	274764	729894	2807265	1.00 500	5.00	20.0	50.0	200
1,3,5-Trimethylbenzene	DCB	Ave	10540 7634263	50242	237589	634993	2817028	1.00 500	5.00	20.0	50.0	200
4-Chlorotoluene	DCB	Ave	9736 6091213	44841	199370	518440	2219839	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-111954-1 Analy Batch No.: 355383

SDG No.: _____

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/10/2016 22:34 Calibration End Date: 03/11/2016 00:48 Calibration ID: 54876

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Butyl Methacrylate	DCB	Ave	2820 2434126	14792	70001	198309	842807	1.00 500	5.00	20.0	50.0	200
tert-Butylbenzene	DCB	Ave	8026 6342482	38250	183473	512459	2329620	1.00 500	5.00	20.0	50.0	200
1,2,4-Trimethylbenzene	DCB	Ave	11134 7689327	52443	245266	652634	2839787	1.00 500	5.00	20.0	50.0	200
sec-Butylbenzene	DCB	Ave	12762 9965259	66108	307479	856106	3840041	1.00 500	5.00	20.0	50.0	200
4-Isopropyltoluene	DCB	Ave	11299 8363591	54904	256272	714202	3169061	1.00 500	5.00	20.0	50.0	200
1,3-Dichlorobenzene	DCB	Ave	6405 3779266	30197	129020	328306	1408859	1.00 500	5.00	20.0	50.0	200
1,4-Dichlorobenzene	DCB	Ave	6842 3827002	30273	125782	329824	1400698	1.00 500	5.00	20.0	50.0	200
Benzyl chloride	DCB	Ave	5797 3989887	24906	115302	308910	1384995	1.00 500	5.00	20.0	50.0	200
Indan	DCB	Ave	12054 7123087	57290	253902	672005	2582827	1.00 500	5.00	20.0	50.0	200
p-Diethylbenzene	DCB	Ave	7089 4512022	34060	151014	414176	1560378	1.00 500	5.00	20.0	50.0	200
n-Butylbenzene	DCB	Ave	13979 9572868	69824	307274	837227	3588018	1.00 500	5.00	20.0	50.0	200
1,2-Dichlorobenzene	DCB	Ave	6772 3838560	29668	128017	331754	1400181	1.00 500	5.00	20.0	50.0	200
1,2,4,5-Tetramethylbenzene	DCB	Ave	11095 7679760	54703	246725	690563	2663288	1.00 500	5.00	20.0	50.0	200
1,2-Dibromo-3-Chloropropane	DCB	Ave	857 4781110	3534	15234	38556	173113	1.00 500	5.00	20.0	50.0	200
1,3,5-Trichlorobenzene	DCB	Ave	5316 3017746	24219	104067	277969	1030786	1.00 500	5.00	20.0	50.0	200
1,2,4-Trichlorobenzene	DCB	Ave	5300 3108357	23207	98418	265915	1136499	1.00 500	5.00	20.0	50.0	200
Hexachlorobutadiene	DCB	Ave	2170 1543460	9709	42383	120907	559227	1.00 500	5.00	20.0	50.0	200
Naphthalene	DCB	Ave	13249 8223673	61043	268999	715216	3040252	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichlorobenzene	DCB	Ave	5715 3057455	23619	98064	265661	1112821	1.00 500	5.00	20.0	50.0	200
Dibromofluoromethane (Surr)	FB	Ave	153583 179867	156308	151292	164818	170160	50.0 50.0	50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	167163 228572	173164	167688	183485	200489	50.0 50.0	50.0	50.0	50.0	50.0

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

Lab Name: TestAmerica Edison Job No.: 460-111954-1 Analy Batch No.: 355383

SDG No.: _____

Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/10/2016 22:34 Calibration End Date: 03/11/2016 00:48 Calibration ID: 54876

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toluene-d8 (Surr)	CBZ	Ave	536862 707675	540337	536184	589563	659088	50.0 50.0	50.0	50.0	50.0	50.0
4-Bromofluorobenzene	CBZ	Ave	148279 186223	149333	146748	157766	170468	50.0 50.0	50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
QuaF = Quadratic ISTD forced zero

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51268.D
 Lims ID: STD1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 10-Mar-2016 22:34:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD1
 Misc. Info.: 460-0038298-003
 Operator ID: Instrument ID: CVOAMS9
 Sublist: chrom-8260S9*sub35
 Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\8260S9.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 12-Mar-2016 17:45:47 Calib Date: 11-Mar-2016 00:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51273.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK001

First Level Reviewer: boykink

Date: 10-Mar-2016 22:58:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.522	1.537	-0.015	48	429	1.00	0.7938	
2 Dichlorodifluoromethane	85	1.564	1.575	-0.011	97	3905	1.00	0.9817	
3 Chloromethane	50	1.746	1.757	-0.011	98	3929	1.00	1.07	
4 Vinyl chloride	62	1.837	1.837	0.000	97	3778	1.00	1.01	
5 Butadiene	54	1.848	1.853	-0.005	90	2854	1.00	0.9584	
6 Bromomethane	94	2.137	2.142	-0.005	94	2706	1.00	1.01	
7 Chloroethane	64	2.201	2.217	-0.016	64	1946	1.00	1.01	
8 Trichlorofluoromethane	101	2.394	2.399	-0.005	92	5288	1.00	1.11	
9 Dichlorofluoromethane	67	2.383	2.399	-0.016	97	6834	1.00	1.06	
10 Pentane	72	2.420	2.425	-0.005	97	909	2.00	1.93	M
12 Ethanol	46	2.597	2.607	-0.010	64	792	40.0	54.1	M
11 Ethyl ether	59	2.613	2.618	-0.005	96	2247	1.00	1.00	
13 2-Methyl-1,3-butadiene	53	2.634	2.645	-0.011	94	2332	1.00	0.9140	
14 1,2-Dichloro-1,1,2-trifluo	117	2.672	2.688	-0.016	70	2323	1.00	0.9545	
15 Acrolein	56	2.795	2.800	-0.005	96	41456	100.0	113.3	
16 1,1,2-Trichloro-1,2,2-trif	101	2.811	2.811	0.000	31	2780	1.00	0.9348	
17 1,1-Dichloroethene	96	2.843	2.843	0.000	97	2750	1.00	0.9606	
18 Acetone	43	2.923	2.923	0.000	86	5703	5.00	6.07	
19 Iodomethane	142	3.003	2.998	0.005	93	5623	1.00	1.06	
22 Isopropyl alcohol	45	2.998	3.009	-0.011	34	1434	10.0	7.84	
20 Carbon disulfide	76	3.036	3.035	0.001	100	11220	1.00	0.9898	
21 3-Chloro-1-propene	76	3.153	3.158	-0.005	67	1792	1.00	1.05	
23 Methyl acetate	43	3.159	3.164	-0.005	99	11401	5.00	5.29	
24 Cyclopentene	67	3.175	3.180	-0.005	90	6653	1.00	0.9163	
29 Acetonitrile	41	3.223	3.223	0.000	39	3263	10.0	8.27	M
* 25 TBA-d9 (IS)	65	3.271	3.292	-0.021	100	272236	1000.0	1000.0	
26 Methylene Chloride	84	3.292	3.292	0.000	28	3909	1.00	1.15	
27 2-Methyl-2-propanol	59	3.335	3.346	-0.011	97	6325	10.0	17.2	M
28 Methyl tert-butyl ether	73	3.442	3.453	-0.011	97	8527	1.00	1.01	
30 trans-1,2-Dichloroethene	96	3.474	3.479	-0.005	94	3018	1.00	1.02	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.544	3.549	-0.005	97	10982	10.0	10.1	
32 Hexane	43	3.629	3.629	0.000	93	2845	1.00	1.06	
33 Isopropyl ether	45	3.843	3.843	0.000	93	9562	1.00	1.04	
34 1,1-Dichloroethane	63	3.875	3.881	-0.006	91	5778	1.00	1.04	
35 Vinyl acetate	43	3.881	3.886	-0.005	99	9488	2.00	1.74	
36 2-Chloro-1,3-butadiene	88	3.918	3.923	-0.005	91	2551	1.00	1.02	
37 Tert-butyl ethyl ether	59	4.159	4.164	-0.005	90	8785	1.00	1.01	
* 38 2-Butanone-d5	46	4.357	4.362	-0.005	98	237682	250.0	250.0	
39 2,2-Dichloropropane	79	4.389	4.383	0.006	45	920	1.00	0.7338	
40 cis-1,2-Dichloroethene	96	4.400	4.405	-0.005	93	3435	1.00	1.05	
41 Ethyl acetate	43	4.416	4.416	0.000	93	13509	2.00	2.31	
42 2-Butanone (MEK)	72	4.416	4.421	-0.005	95	1885	5.00	5.65	M
44 Methyl acrylate	55	4.464	4.480	-0.016	97	2541	1.00	1.08	
43 Propionitrile	54	4.555	4.549	0.006	95	4713	10.0	11.5	
45 Tetrahydrofuran	72	4.640	4.635	0.005	77	1017	2.00	2.45	
46 Chlorobromomethane	128	4.635	4.640	-0.005	82	1653	1.00	1.07	
47 Methacrylonitrile	67	4.651	4.656	-0.005	91	12079	10.0	10.6	
48 Chloroform	83	4.683	4.688	-0.005	96	5551	1.00	1.07	
49 Cyclohexane	56	4.822	4.827	-0.005	32	4725	1.00	0.9076	
50 1,1,1-Trichloroethane	97	4.838	4.838	0.000	36	4405	1.00	1.03	M
\$ 51 Dibromofluoromethane (Surr	113	4.844	4.844	0.000	0	153583	50.0	52.4	
52 Carbon tetrachloride	117	4.945	4.961	-0.016	70	3299	1.00	0.9599	
53 1,1-Dichloropropene	75	4.983	4.988	-0.005	97	3962	1.00	0.9872	
56 Isobutyl alcohol	43	5.090	5.100	-0.010	20	2860	25.0	22.2	
54 Benzene	78	5.186	5.186	0.000	96	11696	1.00	0.9888	
\$ 55 1,2-Dichloroethane-d4 (Sur	65	5.197	5.202	-0.005	96	167163	50.0	49.9	
57 Isopropyl acetate	43	5.234	5.234	0.000	75	8942	1.00	1.06	
58 Tert-amyl methyl ether	73	5.245	5.245	0.000	95	8478	1.00	0.9772	
59 1,2-Dichloroethane	62	5.277	5.282	-0.005	95	4276	1.00	1.11	
60 n-Heptane	57	5.331	5.336	-0.005	93	2094	1.00	0.8262	
* 61 Fluorobenzene	96	5.475	5.475	0.000	98	442394	50.0	50.0	
62 n-Butanol	56	5.769	5.769	0.000	82	1970	25.0	23.9	
63 Trichloroethene	95	5.828	5.833	-0.005	94	3019	1.00	1.02	
64 Ethyl acrylate	55	5.946	5.956	-0.010	48	6817	1.00	0.9369	
65 Methylcyclohexane	83	5.951	5.967	-0.016	71	4583	1.00	0.8941	
66 1,2-Dichloropropane	63	6.122	6.127	-0.005	87	3151	1.00	1.05	
* 67 1,4-Dioxane-d8	96	6.181	6.170	0.011	98	23213	1000.0	1000.0	
68 Methyl methacrylate	41	6.192	6.192	0.000	97	4757	2.00	2.09	
69 1,4-Dioxane	88	6.251	6.234	0.017	31	839	20.0	24.4	M
70 n-Propyl acetate	43	6.240	6.245	-0.005	96	4111	1.00	1.07	
71 Dibromomethane	93	6.256	6.256	0.000	93	2115	1.00	1.11	
72 Dichlorobromomethane	83	6.400	6.406	-0.006	99	3783	1.00	1.01	
73 2-Chloroethyl vinyl ether	63	6.738	6.737	0.001	84	1745	1.00	1.06	
74 2-Nitropropane	41	6.743	6.743	0.000	78	1739	2.00	3.21	M
75 Epichlorohydrin	57	6.850	6.850	0.000	98	5783	20.0	20.7	
76 cis-1,3-Dichloropropene	75	6.909	6.909	0.000	92	4519	1.00	0.99	
77 4-Methyl-2-pentanone (MIBK	43	7.064	7.069	-0.005	96	14353	5.00	5.18	
\$ 78 Toluene-d8 (Surr)	98	7.155	7.160	-0.005	99	536862	50.0	49.8	
79 Toluene	91	7.235	7.235	0.000	94	13491	1.00	1.10	
80 trans-1,3-Dichloropropene	75	7.583	7.583	0.000	94	3681	1.00	0.9701	
81 Ethyl methacrylate	69	7.604	7.609	-0.005	90	3106	1.00	0.9693	
82 1,1,2-Trichloroethane	83	7.802	7.802	0.000	95	2227	1.00	1.03	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.850	7.855	-0.005	94	2552	1.00	0.9579	
84 1,3-Dichloropropane	76	8.016	8.016	0.000	94	4326	1.00	1.08	
85 2-Hexanone	43	8.070	8.069	0.001	98	9717	5.00	5.30	
86 n-Butyl acetate	43	8.182	8.182	0.000	98	4008	1.00	1.03	
87 Chlorodibromomethane	129	8.246	8.251	-0.005	97	2732	1.00	1.04	
88 Ethylene Dibromide	107	8.412	8.412	0.000	96	2389	1.00	0.99	
* 89 Chlorobenzene-d5	117	8.958	8.957	0.001	86	309205	50.0	50.0	
90 Chlorobenzene	112	8.990	8.995	-0.005	96	8098	1.00	1.07	
92 Ethylbenzene	106	9.097	9.097	0.000	98	4078	1.00	1.02	
91 1,1,1,2-Tetrachloroethane	131	9.118	9.113	0.005	92	2633	1.00	1.00	
93 m-Xylene & p-Xylene	106	9.241	9.241	0.000	97	4984	1.00	1.01	
94 n-Butyl acrylate	73	9.648	9.648	0.000	96	1898	1.00	1.01	
95 o-Xylene	106	9.664	9.669	-0.005	93	4925	1.00	0.9657	
96 Styrene	104	9.696	9.696	0.000	95	7845	1.00	0.9743	
97 Amyl acetate (mixed isomer	43	9.862	9.862	0.000	91	4238	1.00	0.9397	
98 Bromoform	173	9.899	9.899	0.000	93	1806	1.00	1.15	
99 Isopropylbenzene	105	10.001	10.001	0.000	97	11518	1.00	0.8864	
\$ 100 4-Bromofluorobenzene	174	10.177	10.183	-0.006	88	148279	50.0	51.1	
101 Bromobenzene	156	10.295	10.295	0.000	96	3293	1.00	1.05	
102 1,1,2,2-Tetrachloroethane	83	10.322	10.327	-0.005	97	4176	1.00	1.12	
103 N-Propylbenzene	91	10.349	10.348	0.001	98	15572	1.00	0.9611	
104 1,2,3-Trichloropropane	110	10.365	10.370	-0.005	97	940	1.00	1.06	
105 trans-1,4-Dichloro-2-buten	53	10.375	10.380	-0.005	70	942	1.00	1.02	
106 2-Chlorotoluene	91	10.440	10.439	0.001	95	10859	1.00	1.00	
107 4-Ethyltoluene	105	10.440	10.445	-0.005	95	12599	1.00	0.99	
108 1,3,5-Trimethylbenzene	105	10.493	10.493	0.000	94	10540	1.00	0.9281	
109 4-Chlorotoluene	91	10.530	10.530	0.000	97	9736	1.00	1.02	
110 Butyl Methacrylate	87	10.568	10.568	0.000	91	2820	1.00	0.8315	
111 tert-Butylbenzene	119	10.723	10.728	-0.005	92	8026	1.00	0.8885	
112 1,2,4-Trimethylbenzene	105	10.771	10.771	0.000	97	11134	1.00	0.9537	
113 sec-Butylbenzene	105	10.884	10.883	0.001	99	12762	1.00	0.8590	
114 4-Isopropyltoluene	119	10.980	10.980	0.000	97	11299	1.00	0.9053	
115 1,3-Dichlorobenzene	146	10.991	10.990	0.001	94	6405	1.00	1.04	
* 116 1,4-Dichlorobenzene-d4	152	11.039	11.039	0.001	96	162163	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.055	11.055	0.000	94	6842	1.00	1.10	
118 Benzyl chloride	91	11.151	11.151	0.000	98	5797	1.00	1.01	
119 2,3-Dihydroindene	117	11.199	11.199	0.000	93	12054	1.00	1.02	
120 p-Diethylbenzene	119	11.231	11.231	0.000	93	7089	1.00	0.99	
121 n-Butylbenzene	91	11.247	11.247	0.000	97	13979	1.00	0.9424	
122 1,2-Dichlorobenzene	146	11.295	11.301	-0.006	95	6772	1.00	1.09	
123 1,2,4,5-Tetramethylbenzene	119	11.702	11.702	0.000	97	11095	1.00	0.9451	
124 1,2-Dibromo-3-Chloropropan	75	11.782	11.782	0.000	91	857	1.00	1.14	
125 1,3,5-Trichlorobenzene	180	11.868	11.868	0.000	96	5316	1.00	1.08	
126 1,2,4-Trichlorobenzene	180	12.274	12.274	0.000	94	5300	1.00	1.08	
127 Hexachlorobutadiene	225	12.333	12.333	0.000	90	2170	1.00	0.9809	
128 Naphthalene	128	12.446	12.445	0.001	99	13249	1.00	1.02	
129 1,2,3-Trichlorobenzene	180	12.612	12.611	0.001	95	5715	1.00	1.15	
S 130 1,2-Dichloroethene, Total	100				0		2.00	2.08	
S 131 Xylenes, Total	100				0		2.00	1.98	
S 132 Total BTEX	1				0		5.00	5.09	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GASES Li_00144	Amount Added: 1.00	Units: uL	
8260MIX1COMB_00033	Amount Added: 1.00	Units: uL	
ACROLEIN W_00048	Amount Added: 10.00	Units: uL	
8260ISNEW_00059	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00116	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CVOAMS9\\20160310-38298.b\\K51268.D

Injection Date: 10-Mar-2016 22:34:30

Instrument ID: CVOAMS9

Operator ID:

Lims ID: STD1

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

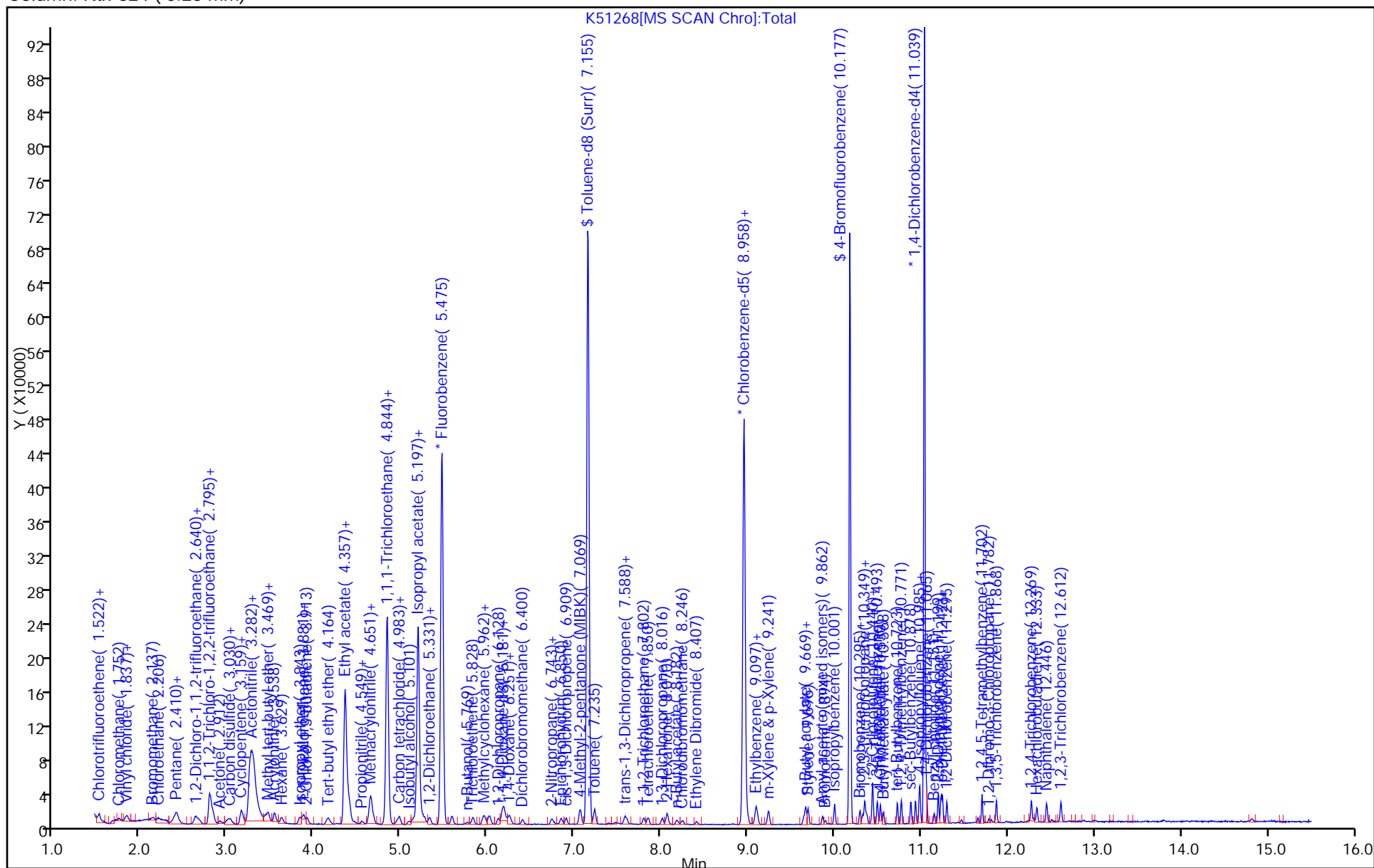
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51268.D

Injection Date: 10-Mar-2016 22:34:30

Instrument ID: CVOAMS9

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

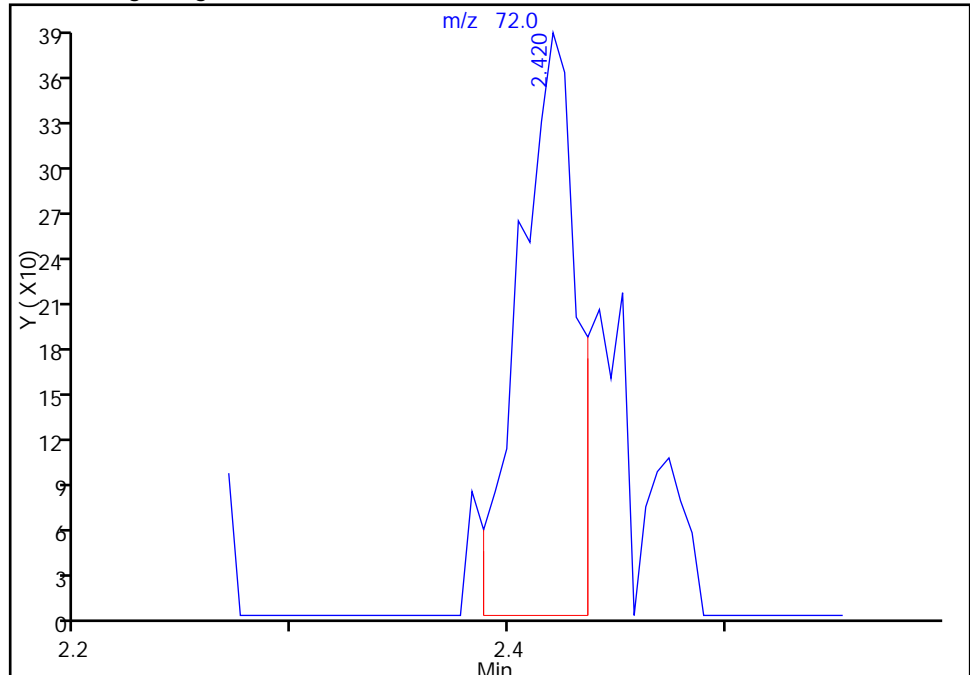
Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

10 Pentane, CAS: 109-66-0

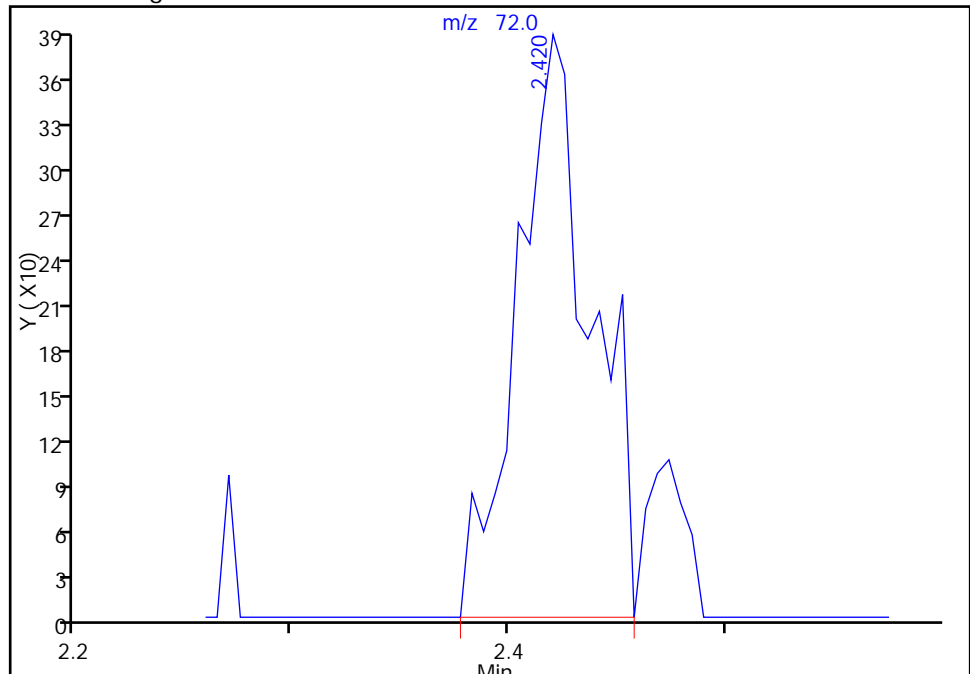
RT: 2.42
Area: 701
Amount: 1.535001
Amount Units: ug/l

Processing Integration Results



RT: 2.42
Area: 909
Amount: 1.926682
Amount Units: ug/l

Manual Integration Results



Reviewer: delpolitov, 12-Mar-2016 17:30:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CVOAMS9\\20160310-38298.b\\K51268.D

Injection Date: 10-Mar-2016 22:34:30

Instrument ID: CVOAMS9

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

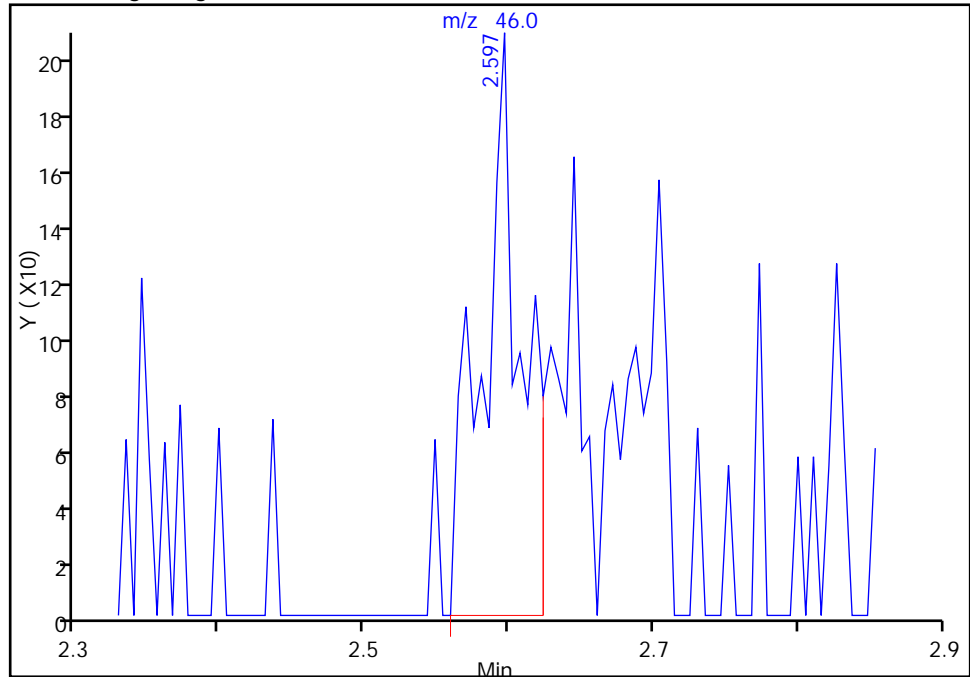
Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

12 Ethanol, CAS: 64-17-5

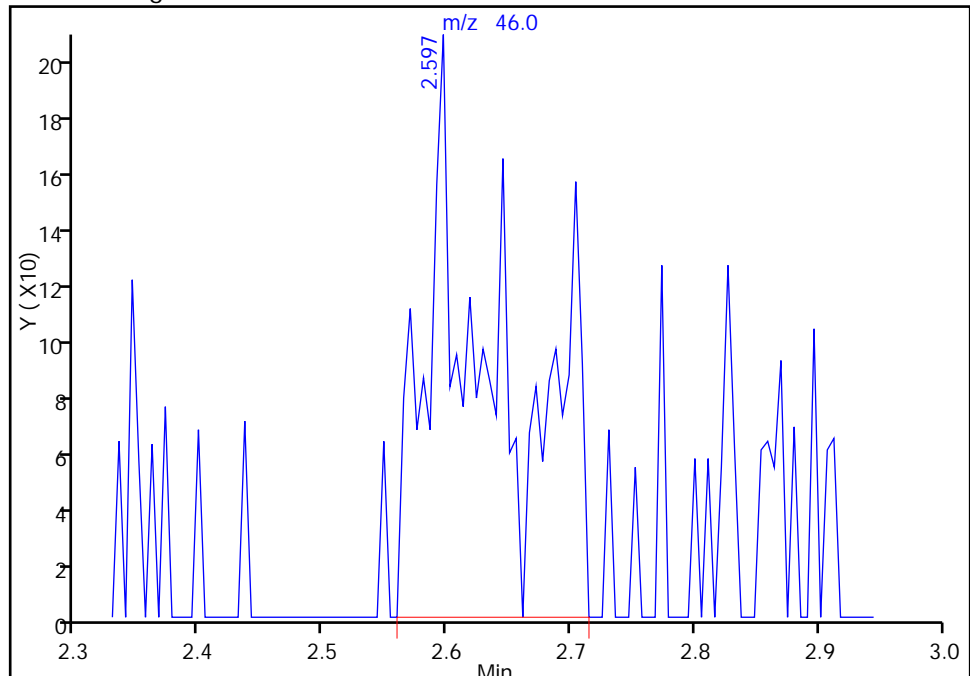
RT: 2.60
Area: 378
Amount: 26.994101
Amount Units: ug/l

Processing Integration Results



RT: 2.60
Area: 792
Amount: 54.066503
Amount Units: ug/l

Manual Integration Results



Reviewer: delpolitov, 12-Mar-2016 17:30:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51268.D

Injection Date: 10-Mar-2016 22:34:30

Instrument ID: CVOAMS9

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

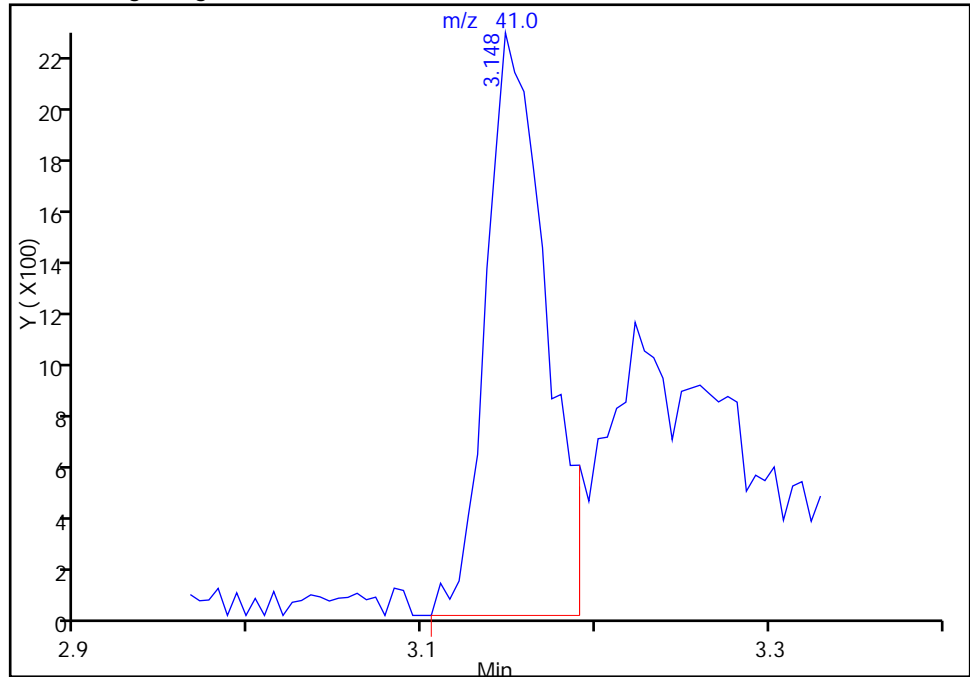
Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

29 Acetonitrile, CAS: 75-05-8

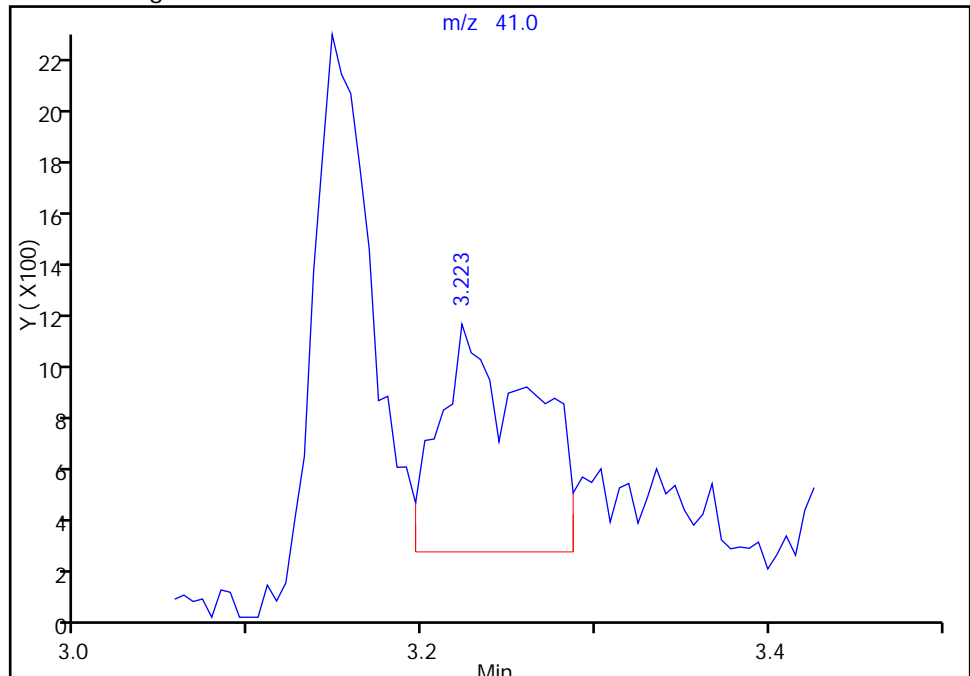
RT: 3.15
Area: 5441
Amount: 14.520313
Amount Units: ug/l

Processing Integration Results



RT: 3.22
Area: 3263
Amount: 8.265025
Amount Units: ug/l

Manual Integration Results



Reviewer: delpolitov, 12-Mar-2016 17:29:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51268.D

Injection Date: 10-Mar-2016 22:34:30

Instrument ID: CVOAMS9

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#:

3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260S9

Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

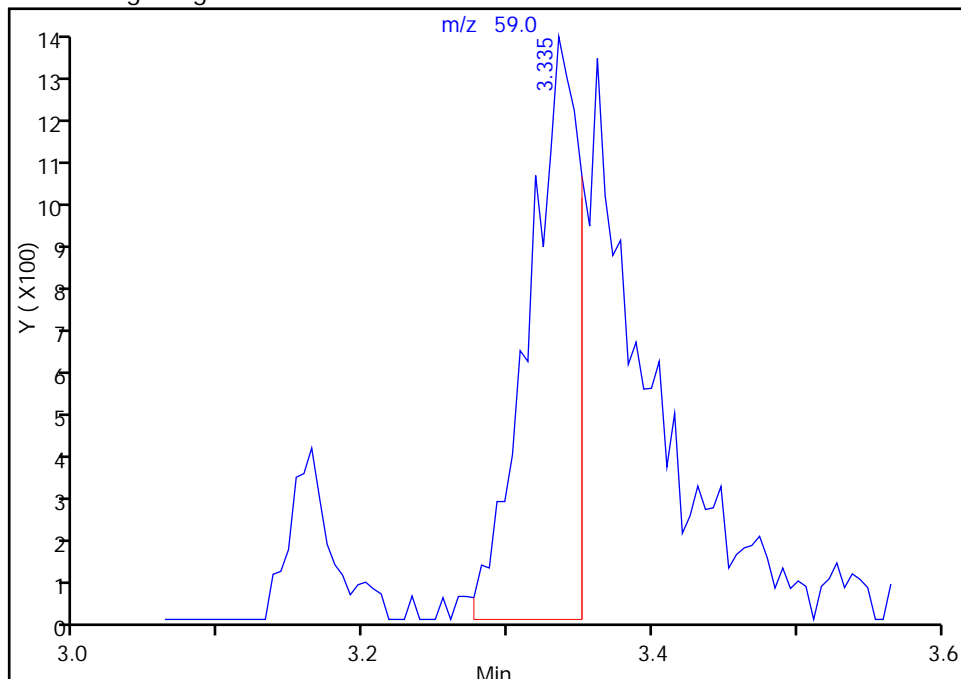
Detector

MS SCAN

27 2-Methyl-2-propanol, CAS: 75-65-0

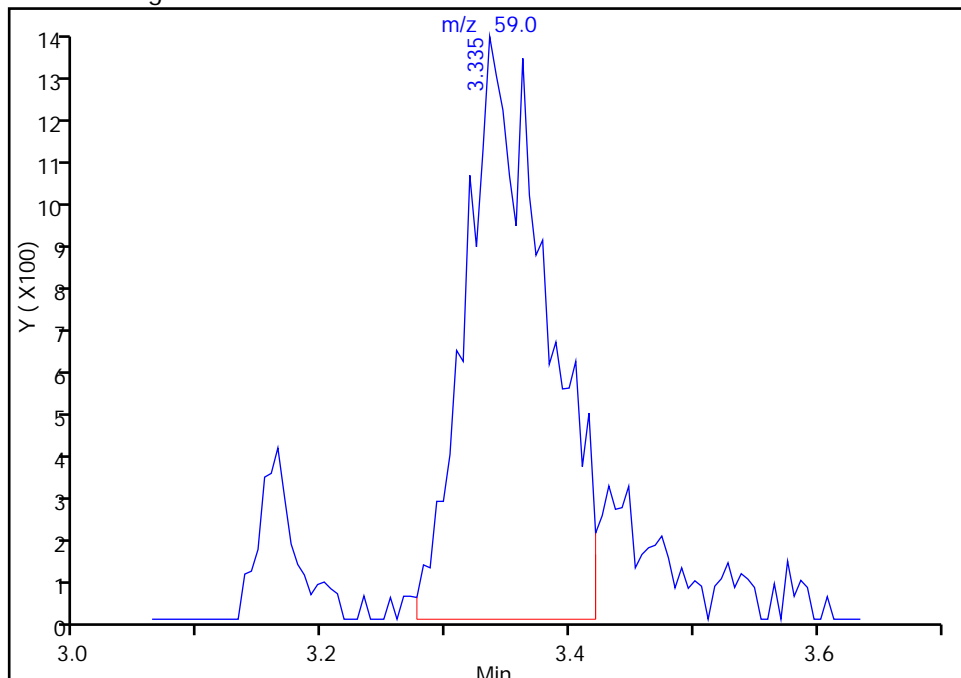
RT: 3.34
Area: 3393
Amount: 9.981443
Amount Units: ug/l

Processing Integration Results



RT: 3.34
Area: 6325
Amount: 17.248521
Amount Units: ug/l

Manual Integration Results



Reviewer: delpolitov, 12-Mar-2016 17:21:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51268.D

Injection Date: 10-Mar-2016 22:34:30

Instrument ID: CVOAMS9

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260S9

Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

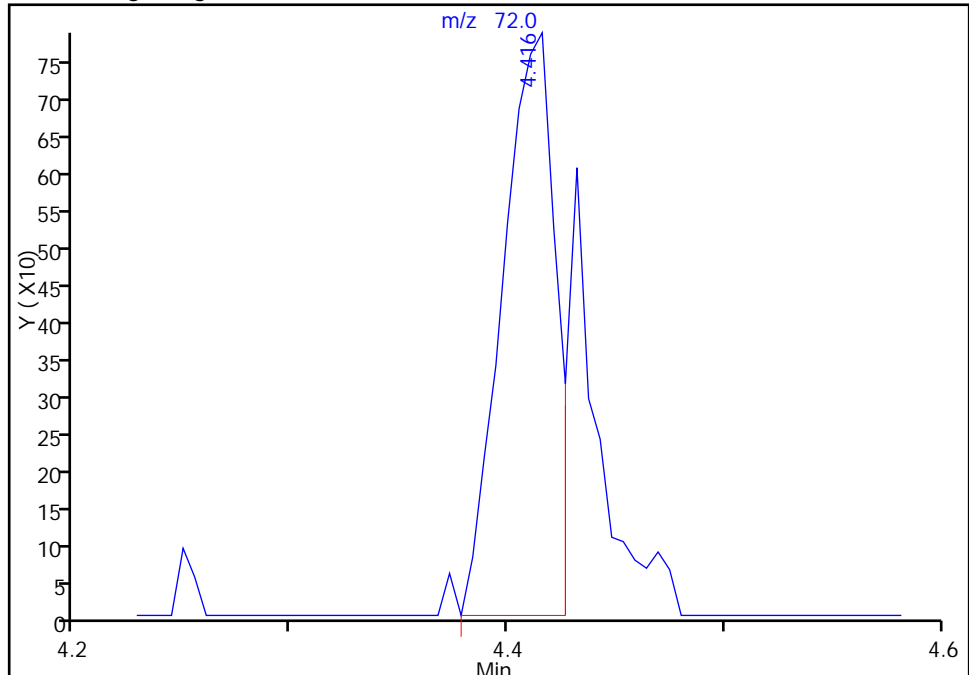
Detector

MS SCAN

42 2-Butanone (MEK), CAS: 78-93-3

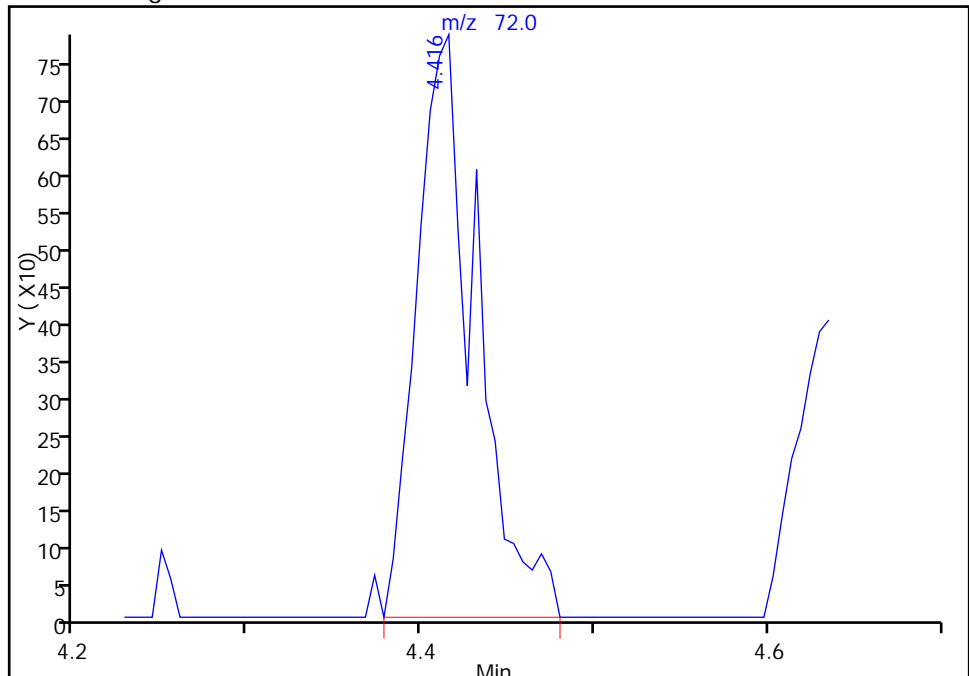
RT: 4.42
Area: 1361
Amount: 5.980097
Amount Units: ug/l

Processing Integration Results



RT: 4.42
Area: 1885
Amount: 5.651930
Amount Units: ug/l

Manual Integration Results



Reviewer: delpolitov, 12-Mar-2016 17:21:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51268.D

Injection Date: 10-Mar-2016 22:34:30

Instrument ID: CVOAMS9

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

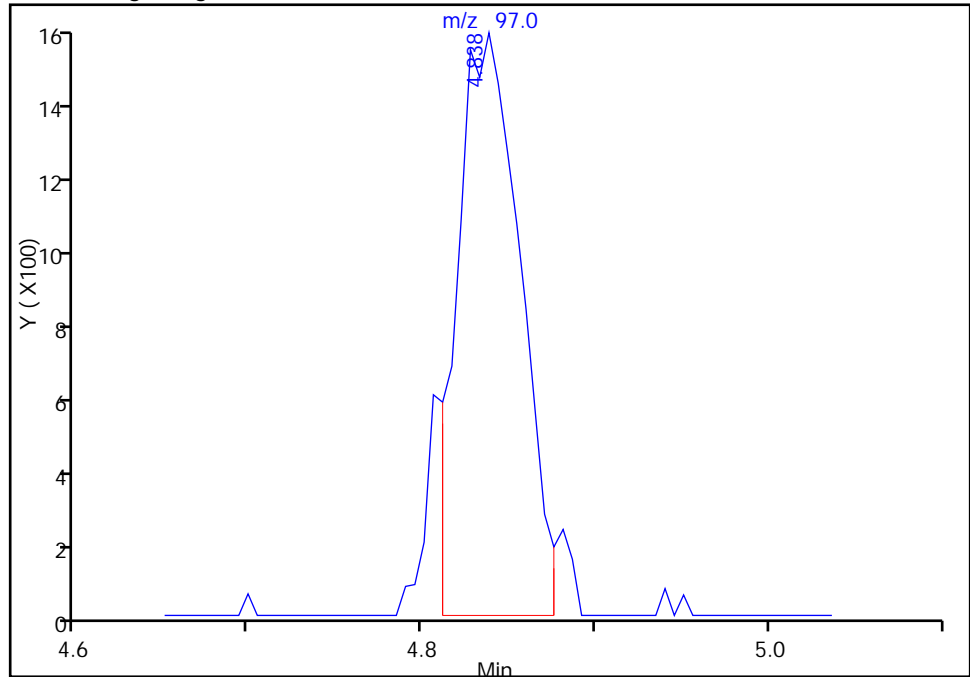
Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

50 1,1,1-Trichloroethane, CAS: 71-55-6

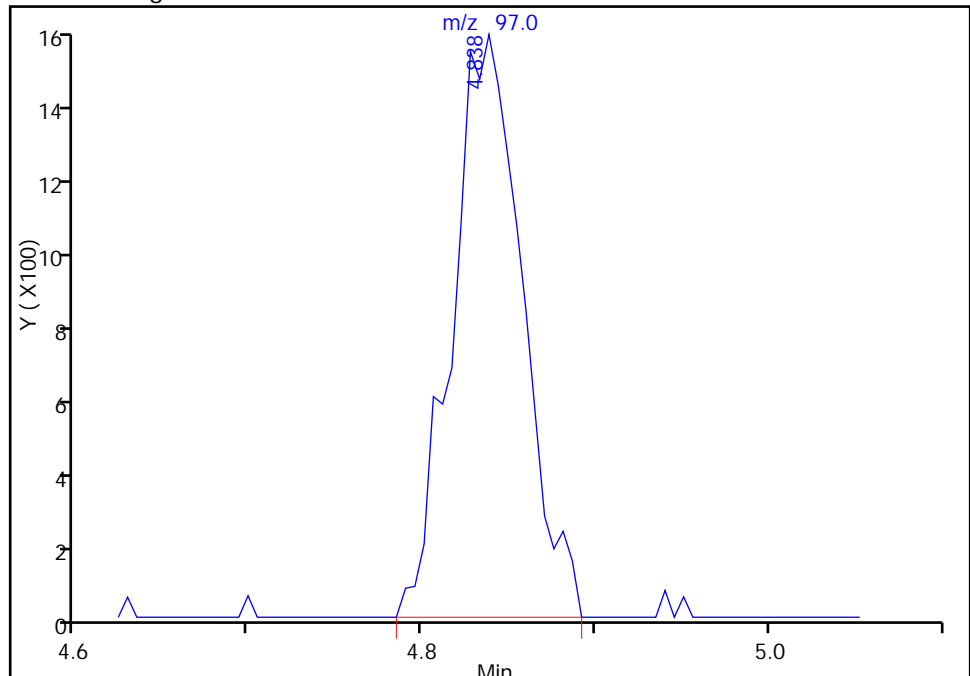
RT: 4.84
Area: 3978
Amount: 0.943125
Amount Units: ug/l

Processing Integration Results



RT: 4.84
Area: 4405
Amount: 1.027032
Amount Units: ug/l

Manual Integration Results



Reviewer: delpolitov, 12-Mar-2016 17:21:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51268.D

Injection Date: 10-Mar-2016 22:34:30

Instrument ID: CVOAMS9

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

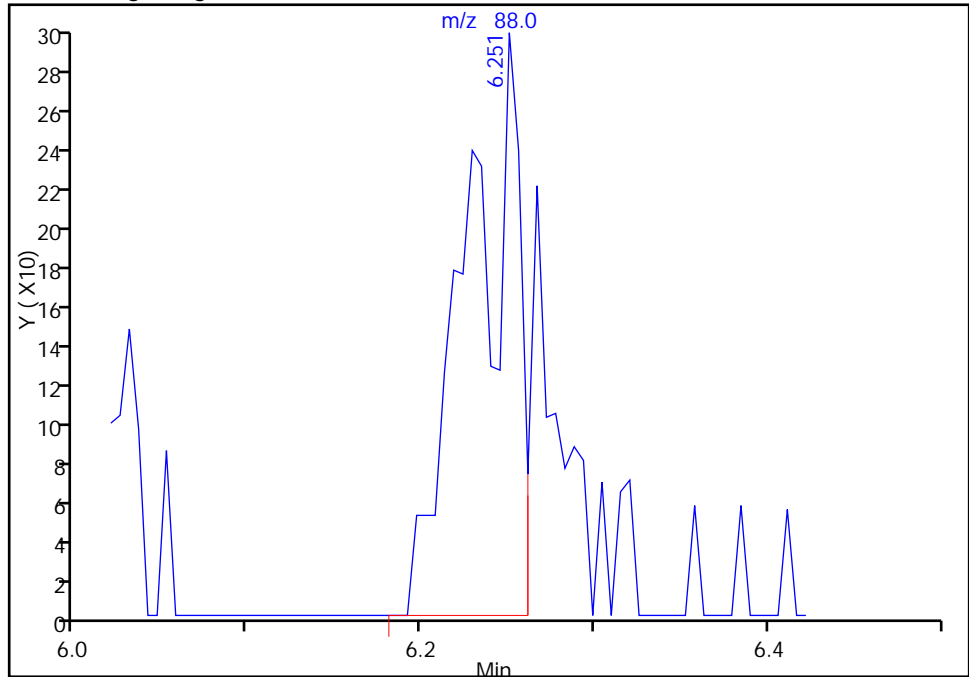
Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

69 1,4-Dioxane, CAS: 123-91-1

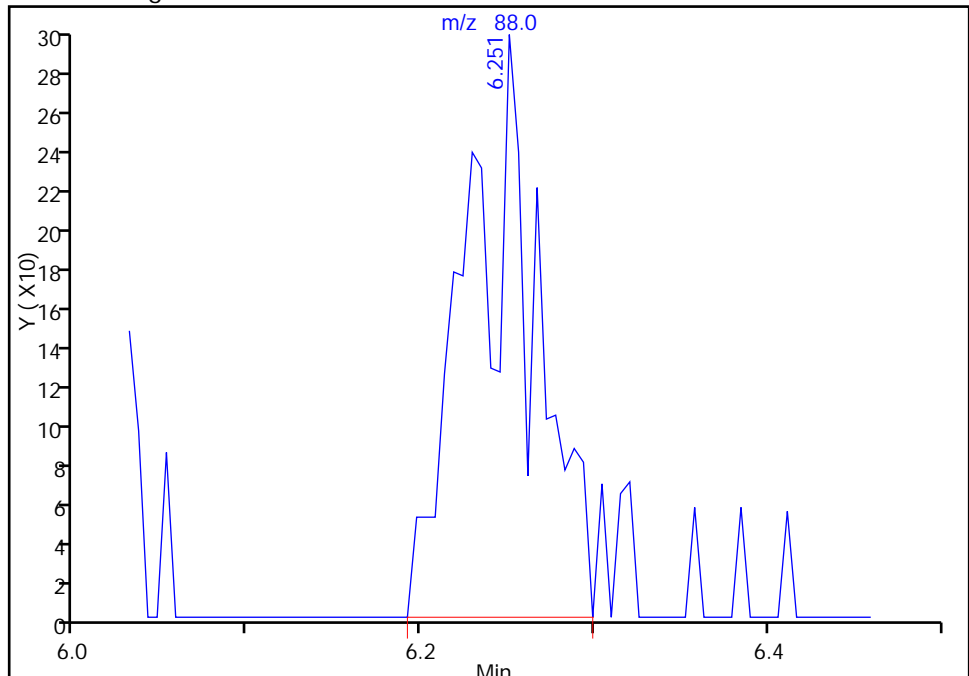
RT: 6.25
Area: 626
Amount: 17.590952
Amount Units: ug/l

Processing Integration Results



RT: 6.25
Area: 839
Amount: 24.411213
Amount Units: ug/l

Manual Integration Results



Reviewer: delpolitov, 12-Mar-2016 17:21:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51268.D

Injection Date: 10-Mar-2016 22:34:30

Instrument ID: CVOAMS9

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

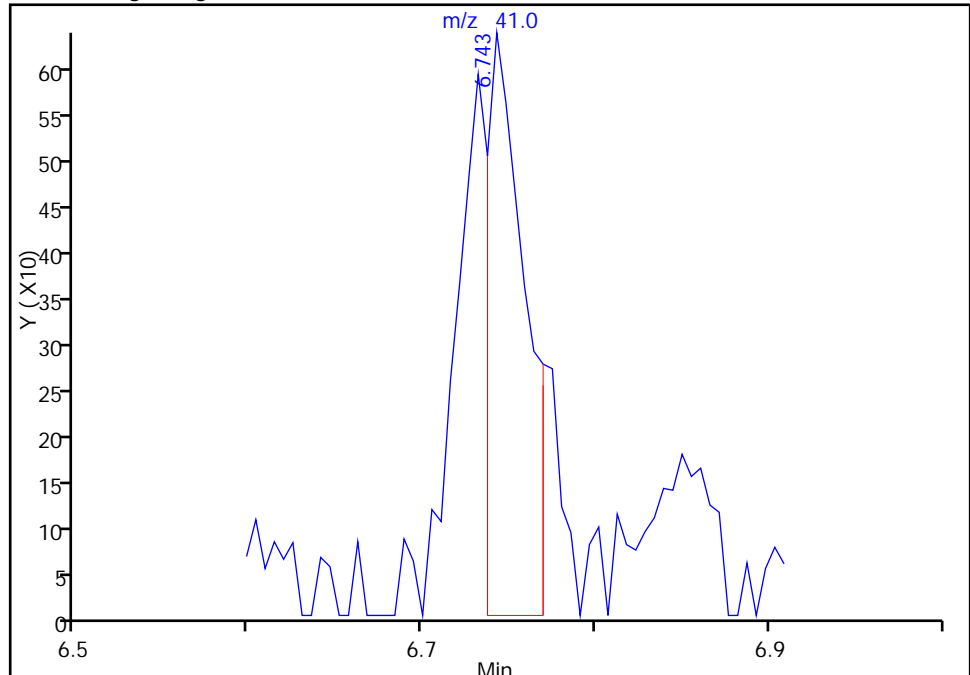
Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

74 2-Nitropropane, CAS: 79-46-9

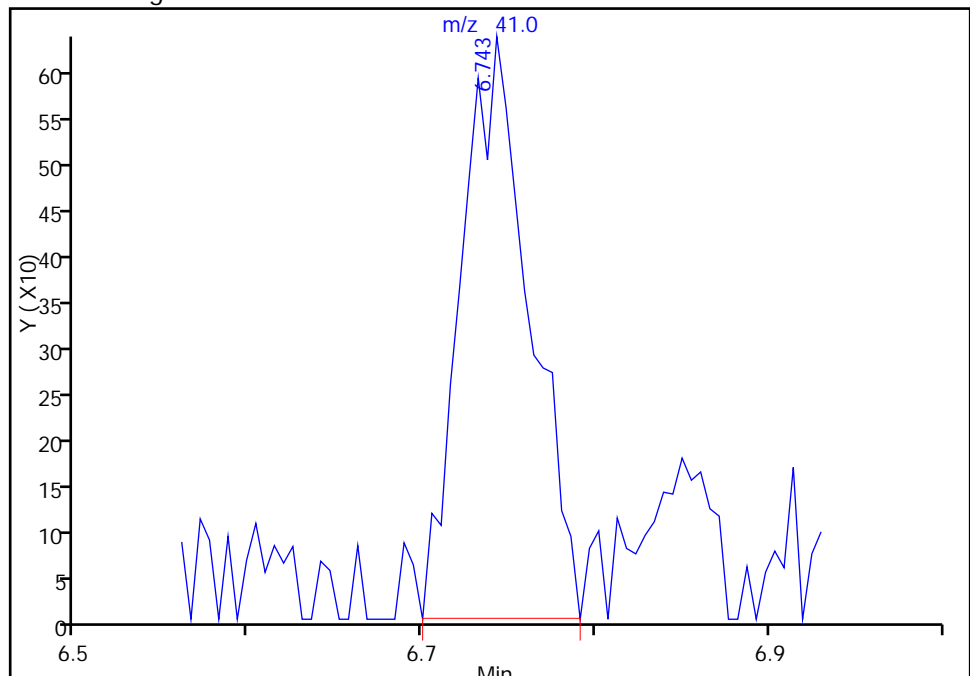
RT: 6.74
Area: 983
Amount: 1.737585
Amount Units: ug/l

Processing Integration Results



RT: 6.74
Area: 1739
Amount: 3.209826
Amount Units: ug/l

Manual Integration Results



Reviewer: delpolitov, 12-Mar-2016 17:21:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51269.D
 Lims ID: STD5
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 10-Mar-2016 23:01:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD5
 Misc. Info.: 460-0038298-004
 Operator ID: Instrument ID: CVOAMS9
 Sublist: chrom-8260S9*sub35
 Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\8260S9.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 12-Mar-2016 17:45:54 Calib Date: 11-Mar-2016 00:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51273.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK001

First Level Reviewer: boykink

Date: 11-Mar-2016 00:34:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.532	1.537	-0.005	61	2718	5.00	4.86	
2 Dichlorodifluoromethane	85	1.575	1.575	0.000	99	16938	5.00	4.11	
3 Chloromethane	50	1.751	1.757	-0.006	99	17584	5.00	4.61	
4 Vinyl chloride	62	1.848	1.837	0.011	97	17510	5.00	4.54	
5 Butadiene	54	1.853	1.853	0.000	96	13340	5.00	4.33	
6 Bromomethane	94	2.147	2.142	0.005	99	14507	5.00	5.24	
7 Chloroethane	64	2.212	2.217	-0.005	100	9722	5.00	4.87	
8 Trichlorofluoromethane	101	2.399	2.399	0.000	72	23205	5.00	4.70	
9 Dichlorofluoromethane	67	2.399	2.399	0.000	97	32453	5.00	4.85	
10 Pentane	72	2.420	2.425	-0.005	97	4353	10.0	8.92	M
12 Ethanol	46	2.629	2.607	0.022	68	3538	200.0	217.2	M
11 Ethyl ether	59	2.618	2.618	0.000	95	11690	5.00	5.05	
13 2-Methyl-1,3-butadiene	53	2.640	2.645	-0.005	98	11810	5.00	4.47	
14 1,2-Dichloro-1,1,2-trifluo	117	2.672	2.688	-0.016	80	12006	5.00	4.77	
15 Acrolein	56	2.800	2.800	0.000	96	87931	200.0	216.2	
16 1,1,2-Trichloro-1,2,2-trif	101	2.821	2.811	0.010	38	13971	5.00	4.54	
17 1,1-Dichloroethene	96	2.843	2.843	0.000	97	14048	5.00	4.74	
18 Acetone	43	2.923	2.923	0.000	86	26068	25.0	25.4	
19 Iodomethane	142	2.998	2.998	0.000	98	27046	5.00	4.93	
22 Isopropyl alcohol	45	3.009	3.009	0.000	1	11337	50.0	55.7	
20 Carbon disulfide	76	3.035	3.035	0.000	99	55072	5.00	4.69	
21 3-Chloro-1-propene	76	3.158	3.158	0.000	95	8165	5.00	4.60	
23 Methyl acetate	43	3.164	3.164	0.000	99	55462	25.0	24.9	
24 Cyclopentene	67	3.174	3.180	-0.006	90	34464	5.00	4.59	
29 Acetonitrile	41	3.223	3.223	0.000	91	26015	50.0	59.3	
* 25 TBA-d9 (IS)	65	3.276	3.292	-0.016	99	302754	1000.0	1000.0	
26 Methylene Chloride	84	3.292	3.292	0.000	94	17841	5.00	5.06	
27 2-Methyl-2-propanol	59	3.372	3.346	0.026	91	22085	50.0	54.2	M
28 Methyl tert-butyl ether	73	3.447	3.453	-0.006	97	43567	5.00	4.97	
30 trans-1,2-Dichloroethene	96	3.479	3.479	0.000	96	15109	5.00	4.96	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.549	3.549	0.000	93	58860	50.0	52.2	
32 Hexane	43	3.629	3.629	0.000	91	11831	5.00	4.28	
33 Isopropyl ether	45	3.838	3.843	-0.005	96	47697	5.00	5.02	
34 1,1-Dichloroethane	63	3.886	3.881	0.005	99	27973	5.00	4.89	
35 Vinyl acetate	43	3.891	3.886	0.005	100	56619	10.0	10.0	
36 2-Chloro-1,3-butadiene	88	3.923	3.923	0.000	90	12628	5.00	4.88	
37 Tert-butyl ethyl ether	59	4.170	4.164	0.006	89	44480	5.00	4.93	
* 38 2-Butanone-d5	46	4.362	4.362	0.000	97	259444	250.0	250.0	
39 2,2-Dichloropropane	79	4.378	4.383	-0.005	50	6585	5.00	5.08	
40 cis-1,2-Dichloroethene	96	4.405	4.405	0.000	95	16939	5.00	5.02	
41 Ethyl acetate	43	4.416	4.416	0.000	92	63383	10.0	9.91	
42 2-Butanone (MEK)	72	4.416	4.421	-0.005	96	9311	25.0	25.6	
44 Methyl acrylate	55	4.474	4.480	-0.006	99	11992	5.00	4.95	
43 Propionitrile	54	4.555	4.549	0.006	97	23619	50.0	51.8	
45 Tetrahydrofuran	72	4.630	4.635	-0.005	81	4150	10.0	9.18	
46 Chlorobromomethane	128	4.635	4.640	-0.005	85	8072	5.00	5.03	
47 Methacrylonitrile	67	4.656	4.656	0.000	92	59154	50.0	50.1	
48 Chloroform	83	4.688	4.688	0.000	98	26779	5.00	4.98	
49 Cyclohexane	56	4.828	4.827	0.001	94	23470	5.00	4.36	
50 1,1,1-Trichloroethane	97	4.844	4.838	0.006	82	20665	5.00	4.66	
\$ 51 Dibromofluoromethane (Surr	113	4.844	4.844	0.000	0	156308	50.0	51.6	
52 Carbon tetrachloride	117	4.961	4.961	0.000	97	15965	5.00	4.49	
53 1,1-Dichloropropene	75	4.988	4.988	0.000	97	19292	5.00	4.65	
56 Isobutyl alcohol	43	5.095	5.100	-0.005	94	14894	125.0	103.7	
54 Benzene	78	5.191	5.186	0.005	95	59297	5.00	5.02	
\$ 55 1,2-Dichloroethane-d4 (Sur	65	5.202	5.202	0.000	96	173164	50.0	50.0	
57 Isopropyl acetate	43	5.239	5.234	0.005	90	42871	5.00	4.91	
58 Tert-amyl methyl ether	73	5.245	5.245	0.000	95	43684	5.00	4.87	
59 1,2-Dichloroethane	62	5.282	5.282	0.000	97	19875	5.00	4.99	
60 n-Heptane	57	5.336	5.336	0.000	93	11040	5.00	4.21	
* 61 Fluorobenzene	96	5.475	5.475	0.000	99	457796	50.0	50.0	
62 n-Butanol	56	5.758	5.769	-0.011	90	8922	125.0	97.3	
63 Trichloroethene	95	5.839	5.833	0.006	96	14503	5.00	4.75	
64 Ethyl acrylate	55	5.951	5.956	-0.005	98	33775	5.00	4.49	
65 Methylcyclohexane	83	5.962	5.967	-0.005	92	21609	5.00	4.07	
66 1,2-Dichloropropane	63	6.128	6.127	0.001	90	14586	5.00	4.71	
* 67 1,4-Dioxane-d8	96	6.176	6.170	0.006	98	24028	1000.0	1000.0	
68 Methyl methacrylate	41	6.192	6.192	0.000	89	21316	10.0	9.07	
69 1,4-Dioxane	88	6.229	6.234	-0.005	30	3580	100.0	100.6	
70 n-Propyl acetate	43	6.245	6.245	0.000	97	17590	5.00	4.42	
71 Dibromomethane	93	6.261	6.256	0.005	92	10060	5.00	5.09	
72 Dichlorobromomethane	83	6.406	6.406	0.000	99	17845	5.00	4.62	
73 2-Chloroethyl vinyl ether	63	6.737	6.737	0.000	79	7805	5.00	4.57	
74 2-Nitropropane	41	6.743	6.743	0.000	80	6091	10.0	10.8	
75 Epichlorohydrin	57	6.850	6.850	0.000	99	28664	100.0	93.8	
76 cis-1,3-Dichloropropene	75	6.903	6.909	-0.006	92	20886	5.00	4.58	
77 4-Methyl-2-pentanone (MIBK	43	7.069	7.069	0.000	98	69768	25.0	23.0	
\$ 78 Toluene-d8 (Surr)	98	7.160	7.160	0.000	99	540337	50.0	50.2	
79 Toluene	91	7.235	7.235	0.000	94	58210	5.00	4.77	
80 trans-1,3-Dichloropropene	75	7.583	7.583	0.000	98	17575	5.00	4.64	
81 Ethyl methacrylate	69	7.604	7.609	-0.005	89	14486	5.00	4.53	
82 1,1,2-Trichloroethane	83	7.797	7.802	-0.005	95	10905	5.00	5.07	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.855	7.855	0.000	95	12948	5.00	4.87	
84 1,3-Dichloropropane	76	8.016	8.016	0.000	94	19008	5.00	4.77	
85 2-Hexanone	43	8.069	8.069	0.000	97	45177	25.0	22.6	
86 n-Butyl acetate	43	8.182	8.182	0.000	99	18711	5.00	4.82	
87 Chlorodibromomethane	129	8.251	8.251	0.000	97	12222	5.00	4.64	
88 Ethylene Dibromide	107	8.412	8.412	0.000	98	11753	5.00	4.90	
* 89 Chlorobenzene-d5	117	8.958	8.957	0.001	87	308864	50.0	50.0	
90 Chlorobenzene	112	8.995	8.995	0.000	98	36162	5.00	4.80	
92 Ethylbenzene	106	9.091	9.097	-0.006	99	18159	5.00	4.54	
91 1,1,1,2-Tetrachloroethane	131	9.113	9.113	0.000	96	12352	5.00	4.67	
93 m-Xylene & p-Xylene	106	9.241	9.241	0.000	96	22428	5.00	4.56	
94 n-Butyl acrylate	73	9.648	9.648	0.000	98	8821	5.00	4.70	
95 o-Xylene	106	9.669	9.669	0.000	93	23004	5.00	4.52	
96 Styrene	104	9.696	9.696	0.000	95	36850	5.00	4.58	
97 Amyl acetate (mixed isomer	43	9.862	9.862	0.000	90	20424	5.00	4.46	
98 Bromoform	173	9.899	9.899	0.000	93	7622	5.00	4.87	
99 Isopropylbenzene	105	10.001	10.001	0.000	96	58838	5.00	4.53	
\$ 100 4-Bromofluorobenzene	174	10.183	10.183	0.000	91	149333	50.0	51.5	
101 Bromobenzene	156	10.295	10.295	0.000	98	15009	5.00	4.73	
102 1,1,2,2-Tetrachloroethane	83	10.327	10.327	0.000	99	18201	5.00	4.81	
103 N-Propylbenzene	91	10.348	10.348	0.000	98	74687	5.00	4.54	
104 1,2,3-Trichloropropane	110	10.370	10.370	0.000	96	4554	5.00	5.04	
105 trans-1,4-Dichloro-2-buten	53	10.381	10.380	0.001	86	4233	5.00	4.53	
106 2-Chlorotoluene	91	10.439	10.439	0.000	96	51815	5.00	4.69	
107 4-Ethyltoluene	105	10.439	10.445	-0.006	98	60710	5.00	4.71	
108 1,3,5-Trimethylbenzene	105	10.493	10.493	0.000	93	50242	5.00	4.36	
109 4-Chlorotoluene	91	10.530	10.530	0.000	98	44841	5.00	4.63	
110 Butyl Methacrylate	87	10.568	10.568	0.000	91	14792	5.00	4.29	
111 tert-Butylbenzene	119	10.728	10.728	0.000	93	38250	5.00	4.17	
112 1,2,4-Trimethylbenzene	105	10.771	10.771	0.000	98	52443	5.00	4.42	
113 sec-Butylbenzene	105	10.883	10.883	0.000	99	66108	5.00	4.38	
114 4-Isopropyltoluene	119	10.980	10.980	0.000	97	54904	5.00	4.33	
115 1,3-Dichlorobenzene	146	10.990	10.990	0.000	94	30197	5.00	4.84	
* 116 1,4-Dichlorobenzene-d4	152	11.039	11.039	0.001	96	164709	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.055	11.055	0.000	94	30273	5.00	4.81	
118 Benzyl chloride	91	11.151	11.151	0.000	98	24906	5.00	4.28	
119 2,3-Dihydroindene	117	11.199	11.199	0.000	94	57290	5.00	4.79	
120 p-Diethylbenzene	119	11.231	11.231	0.000	93	34060	5.00	4.71	
121 n-Butylbenzene	91	11.247	11.247	0.000	97	69824	5.00	4.63	
122 1,2-Dichlorobenzene	146	11.295	11.301	-0.006	94	29668	5.00	4.72	
123 1,2,4,5-Tetramethylbenzene	119	11.702	11.702	0.000	96	54703	5.00	4.59	
124 1,2-Dibromo-3-Chloropropan	75	11.782	11.782	0.000	94	3534	5.00	4.62	
125 1,3,5-Trichlorobenzene	180	11.868	11.868	0.000	96	24219	5.00	4.84	
126 1,2,4-Trichlorobenzene	180	12.269	12.274	-0.005	94	23207	5.00	4.65	
127 Hexachlorobutadiene	225	12.333	12.333	0.000	92	9709	5.00	4.32	
128 Naphthalene	128	12.446	12.445	0.001	99	61043	5.00	4.63	
129 1,2,3-Trichlorobenzene	180	12.611	12.611	0.000	95	23619	5.00	4.69	
S 130 1,2-Dichloroethene, Total	100				0		10.0	9.98	
S 131 Xylenes, Total	100				0		10.0	9.08	
S 132 Total BTEX	1				0		25.0	23.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GASES Li_00144	Amount Added: 0.50	Units: uL	
ACROLEIN W_00048	Amount Added: 2.00	Units: uL	
8260MIX1COMB_00033	Amount Added: 0.50	Units: uL	
8260ISNEW_00059	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00116	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CVOAMS9\\20160310-38298.b\\K51269.D

Injection Date: 10-Mar-2016 23:01:30

Instrument ID: CVOAMS9

Operator ID:

Lims ID: STD5

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

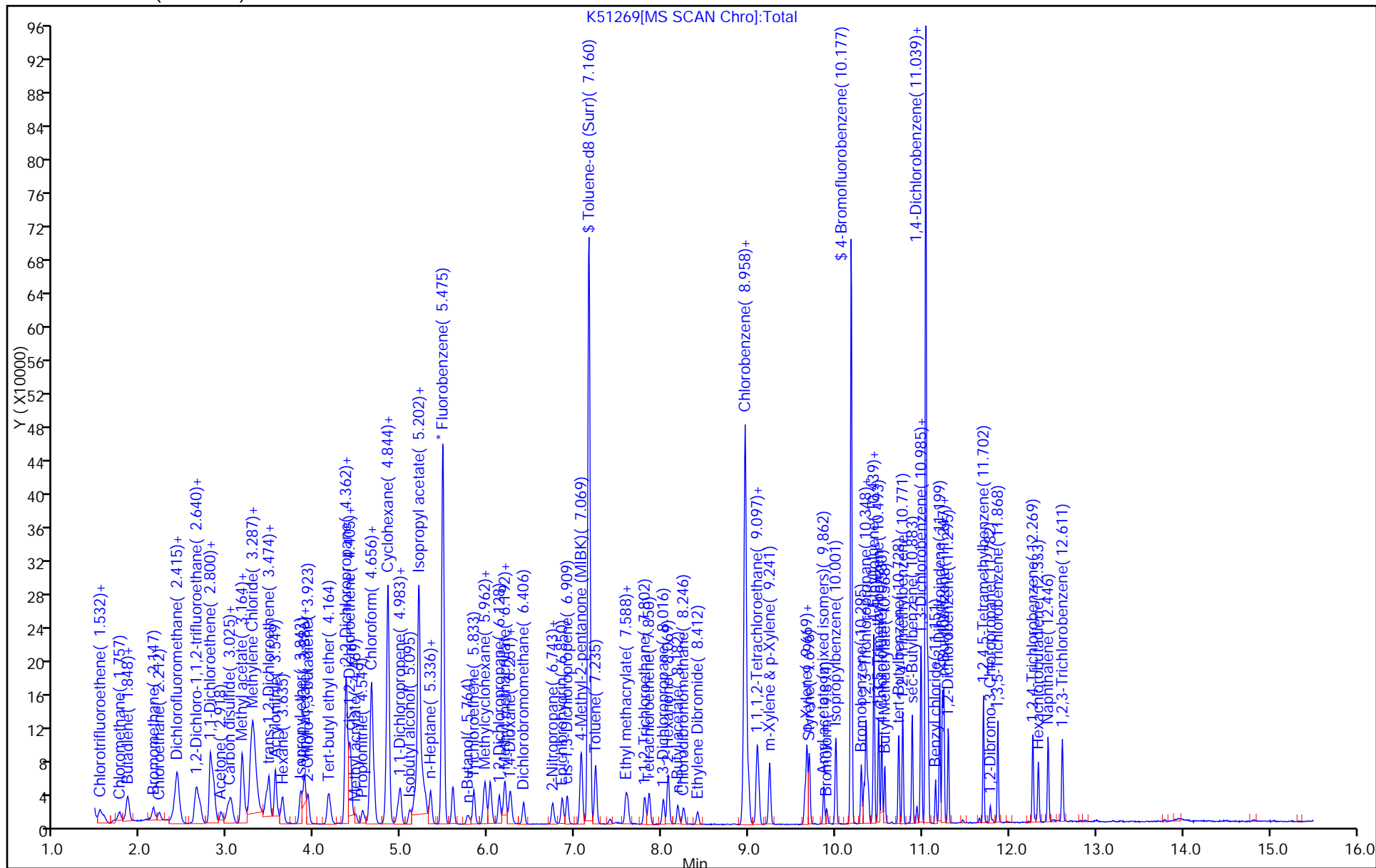
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51269.D

Injection Date: 10-Mar-2016 23:01:30

Instrument ID: CVOAMS9

Lims ID: STD5

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

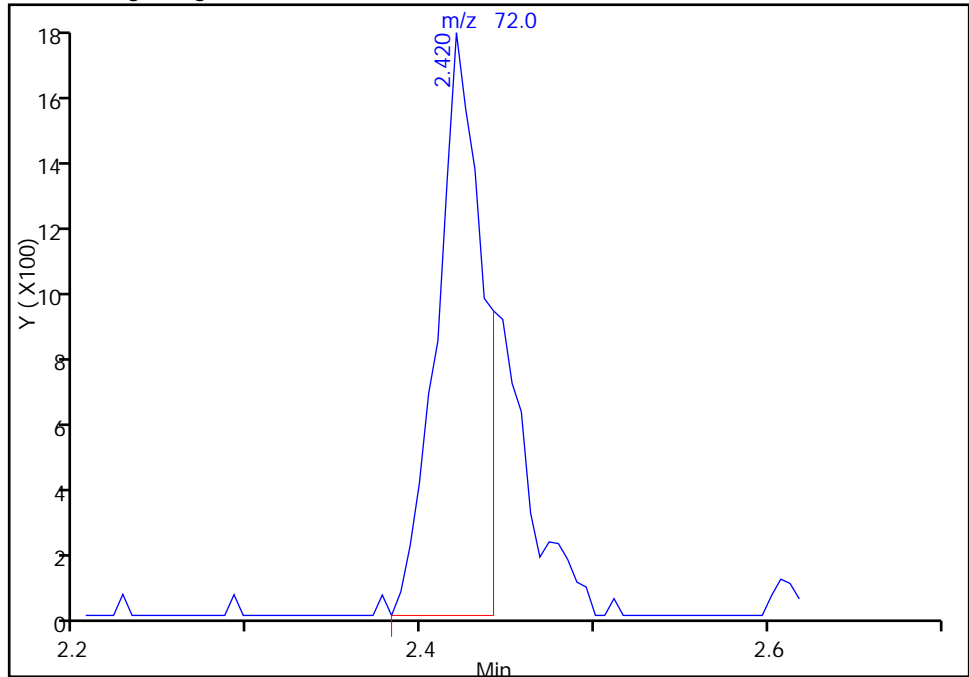
Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

10 Pentane, CAS: 109-66-0

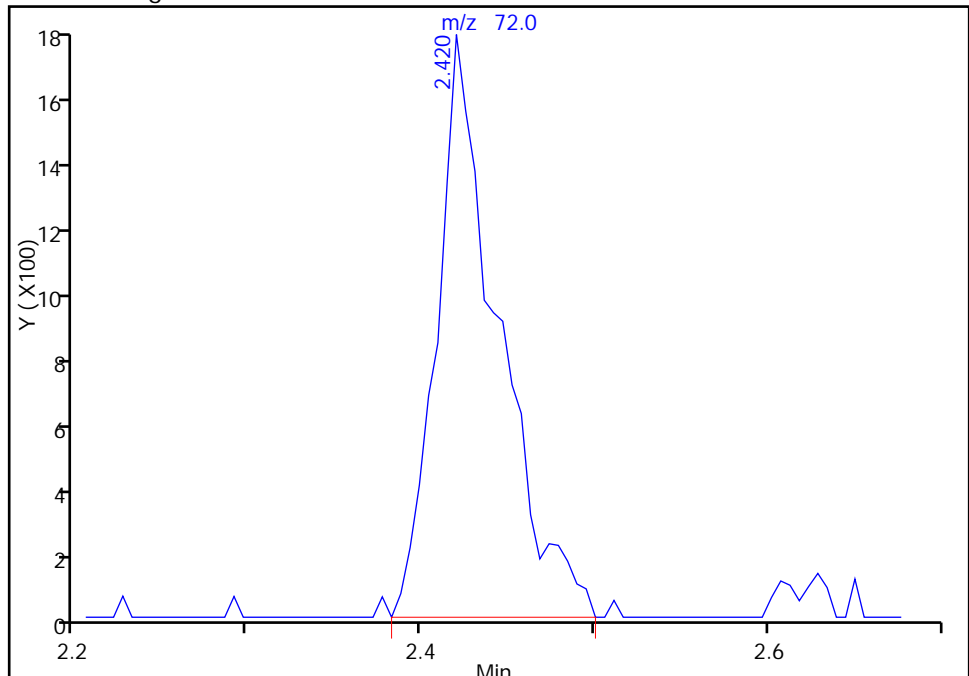
RT: 2.42
Area: 3227
Amount: 6.825007
Amount Units: ug/l

Processing Integration Results



RT: 2.42
Area: 4353
Amount: 8.916040
Amount Units: ug/l

Manual Integration Results



Reviewer: delpolitov, 12-Mar-2016 17:31:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51269.D

Injection Date: 10-Mar-2016 23:01:30

Instrument ID: CVOAMS9

Lims ID: STD5

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

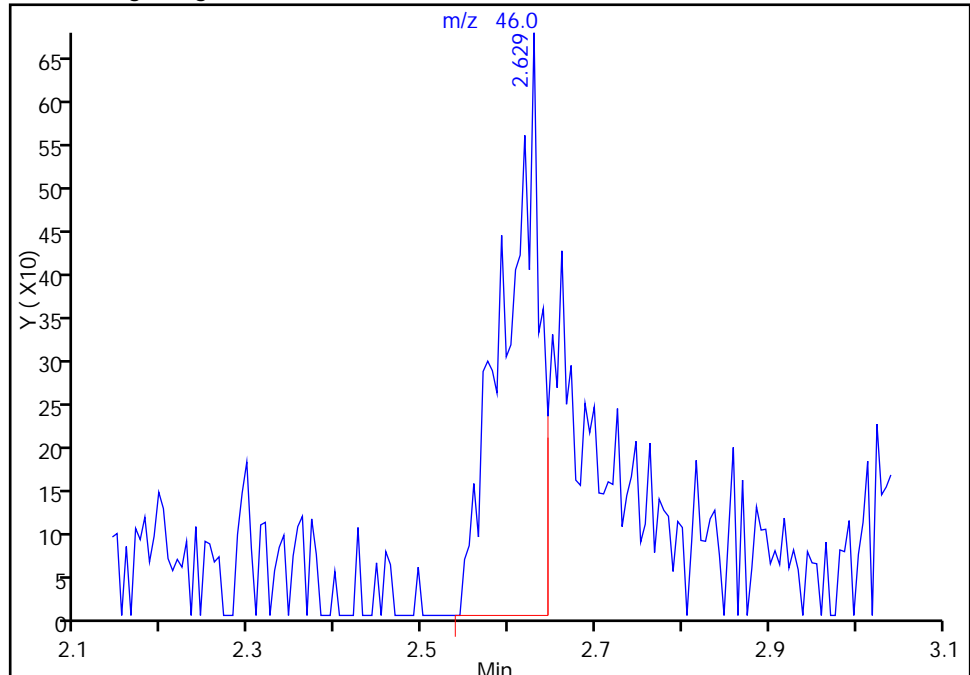
Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

12 Ethanol, CAS: 64-17-5

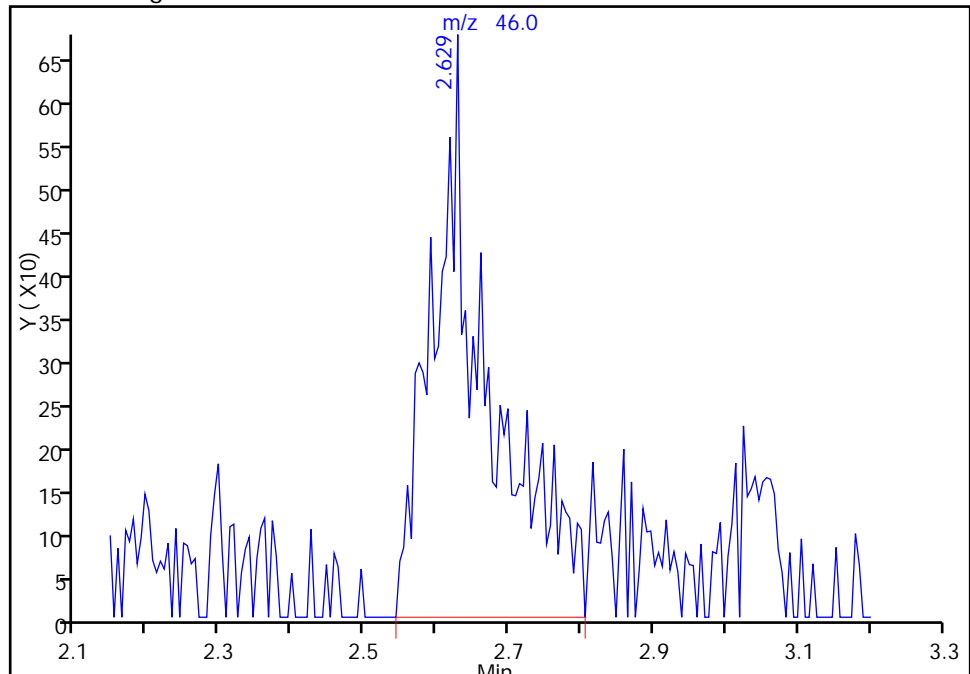
RT: 2.63
Area: 1904
Amount: 122.3525
Amount Units: ug/l

Processing Integration Results



RT: 2.63
Area: 3538
Amount: 217.1784
Amount Units: ug/l

Manual Integration Results



Reviewer: delpolitov, 12-Mar-2016 17:23:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51269.D

Injection Date: 10-Mar-2016 23:01:30

Instrument ID: CVOAMS9

Lims ID: STD5

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

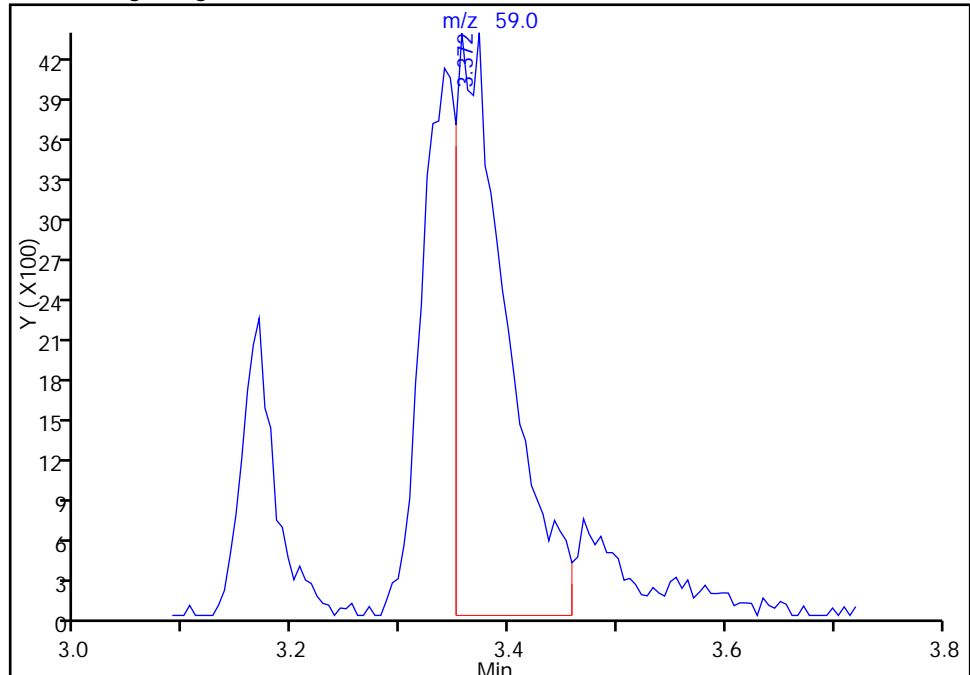
Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

27 2-Methyl-2-propanol, CAS: 75-65-0

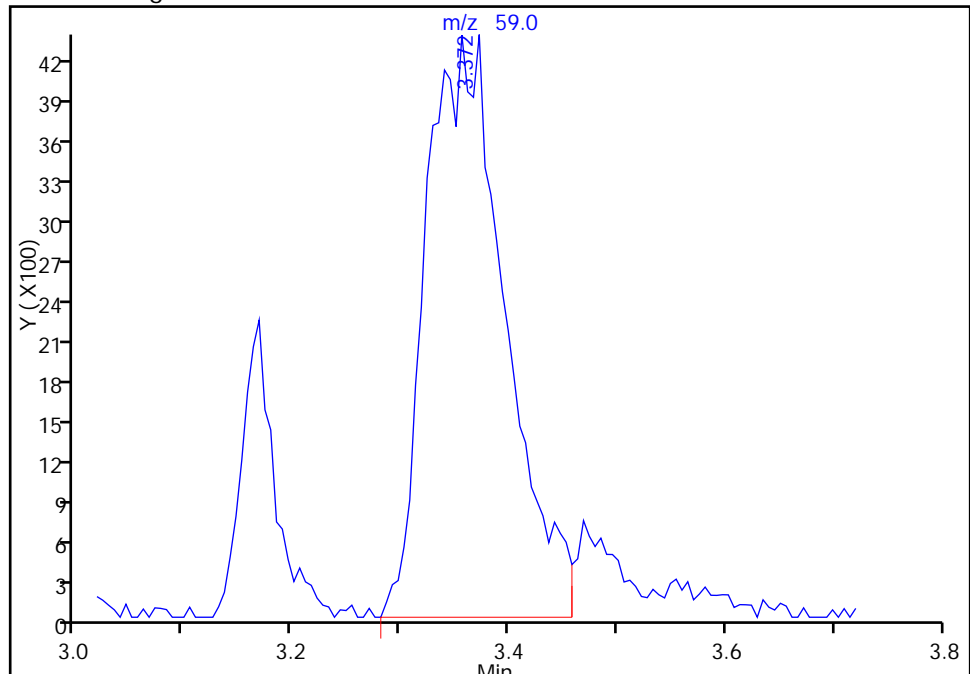
RT: 3.37
Area: 14122
Amount: 34.653180
Amount Units: ug/l

Processing Integration Results



RT: 3.37
Area: 22085
Amount: 54.168007
Amount Units: ug/l

Manual Integration Results



Reviewer: delpolitov, 12-Mar-2016 17:23:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51270.D
 Lims ID: STD20
 Client ID:
 Sample Type: ICIS Calib Level: 3
 Inject. Date: 10-Mar-2016 23:27:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD20
 Misc. Info.: 460-0038298-005
 Operator ID: Instrument ID: CVOAMS9
 Sublist: chrom-8260S9*sub35
 Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\8260S9.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 12-Mar-2016 17:46:07 Calib Date: 11-Mar-2016 00:48:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51273.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK001

First Level Reviewer: boykink

Date: 11-Mar-2016 00:32:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.537	1.537	0.000	90	11973	20.0	20.9	
2 Dichlorodifluoromethane	85	1.575	1.575	0.000	99	85722	20.0	20.3	
3 Chloromethane	50	1.757	1.757	0.000	99	75818	20.0	19.4	
4 Vinyl chloride	62	1.837	1.837	0.000	98	79457	20.0	20.1	
5 Butadiene	54	1.853	1.853	0.000	97	63251	20.0	20.0	
6 Bromomethane	94	2.142	2.142	0.000	99	60008	20.0	21.1	
7 Chloroethane	64	2.217	2.217	0.000	99	43375	20.0	21.2	
8 Trichlorofluoromethane	101	2.399	2.399	0.000	61	102578	20.0	20.2	
9 Dichlorofluoromethane	67	2.399	2.399	0.000	98	145186	20.0	21.2	
10 Pentane	72	2.425	2.425	0.000	96	20719	40.0	41.4	
12 Ethanol	46	2.607	2.607	0.000	83	11453	800.0	697.4	
11 Ethyl ether	59	2.618	2.618	0.000	94	48170	20.0	20.3	
13 2-Methyl-1,3-butadiene	53	2.645	2.645	0.000	97	58014	20.0	21.4	
14 1,2-Dichloro-1,1,2-trifluo	117	2.688	2.688	0.000	95	55140	20.0	21.3	
15 Acrolein	56	2.800	2.800	0.000	97	126688	300.0	308.9	
16 1,1,2-Trichloro-1,2,2-trif	101	2.811	2.811	0.000	93	65540	20.0	20.8	
17 1,1-Dichloroethene	96	2.843	2.843	0.000	96	63547	20.0	20.9	
18 Acetone	43	2.923	2.923	0.000	86	102069	100.0	98.5	
19 Iodomethane	142	2.998	2.998	0.000	98	115384	20.0	20.5	
22 Isopropyl alcohol	45	3.009	3.009	0.000	1	42798	200.0	208.7	
20 Carbon disulfide	76	3.035	3.035	0.000	99	253842	20.0	21.1	
21 3-Chloro-1-propene	76	3.158	3.158	0.000	98	36736	20.0	20.2	
23 Methyl acetate	43	3.164	3.164	0.000	99	233731	100.0	102.1	
24 Cyclopentene	67	3.180	3.180	0.000	93	167802	20.0	21.8	
29 Acetonitrile	41	3.223	3.223	0.000	93	85474	200.0	193.1	
* 25 TBA-d9 (IS)	65	3.292	3.292	0.000	100	305215	1000.0	1000.0	
26 Methylene Chloride	84	3.292	3.292	0.000	93	72448	20.0	20.0	
27 2-Methyl-2-propanol	59	3.346	3.346	0.000	97	83703	200.0	203.8	
28 Methyl tert-butyl ether	73	3.453	3.453	0.000	97	185166	20.0	20.6	
30 trans-1,2-Dichloroethene	96	3.479	3.479	0.000	97	65582	20.0	21.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.549	3.549	0.000	93	236312	200.0	204.4	
32 Hexane	43	3.629	3.629	0.000	93	55007	20.0	19.4	
33 Isopropyl ether	45	3.843	3.843	0.000	98	203624	20.0	20.9	
34 1,1-Dichloroethane	63	3.881	3.881	0.000	99	122765	20.0	20.9	
35 Vinyl acetate	43	3.886	3.886	0.000	100	231042	40.0	39.9	
36 2-Chloro-1,3-butadiene	88	3.923	3.923	0.000	91	55673	20.0	20.9	
37 Tert-butyl ethyl ether	59	4.164	4.164	0.000	89	193806	20.0	20.9	
* 38 2-Butanone-d5	46	4.362	4.362	0.000	97	261828	250.0	250.0	
39 2,2-Dichloropropane	79	4.383	4.383	0.000	95	29172	20.0	21.9	
40 cis-1,2-Dichloroethene	96	4.405	4.405	0.000	95	70298	20.0	20.3	
41 Ethyl acetate	43	4.416	4.416	0.000	95	257568	40.0	39.9	
42 2-Butanone (MEK)	72	4.421	4.421	0.000	96	36075	100.0	98.2	
44 Methyl acrylate	55	4.480	4.480	0.000	99	51167	20.0	20.6	
43 Propionitrile	54	4.549	4.549	0.000	98	95109	200.0	206.7	
45 Tetrahydrofuran	72	4.635	4.635	0.000	64	18303	40.0	40.1	
46 Chlorobromomethane	128	4.640	4.640	0.000	85	33630	20.0	20.4	
47 Methacrylonitrile	67	4.656	4.656	0.000	92	255053	200.0	210.4	
48 Chloroform	83	4.688	4.688	0.000	98	113469	20.0	20.6	
49 Cyclohexane	56	4.827	4.827	0.000	93	114523	20.0	20.7	
50 1,1,1-Trichloroethane	97	4.838	4.838	0.000	94	93552	20.0	20.5	
\$ 51 Dibromofluoromethane (Surr	113	4.844	4.844	0.000	0	151292	50.0	48.6	
52 Carbon tetrachloride	117	4.961	4.961	0.000	97	74738	20.0	20.5	
53 1,1-Dichloropropene	75	4.988	4.988	0.000	97	88983	20.0	20.9	
56 Isobutyl alcohol	43	5.100	5.100	0.000	96	67619	500.0	467.2	
54 Benzene	78	5.186	5.186	0.000	96	256293	20.0	21.0	
\$ 55 1,2-Dichloroethane-d4 (Sur	65	5.202	5.202	0.000	97	167688	50.0	47.2	
57 Isopropyl acetate	43	5.234	5.234	0.000	97	180107	20.0	20.1	
58 Tert-amyl methyl ether	73	5.245	5.245	0.000	92	194142	20.0	21.1	
59 1,2-Dichloroethane	62	5.282	5.282	0.000	96	81047	20.0	19.8	
60 n-Heptane	57	5.336	5.336	0.000	93	52529	20.0	19.5	
* 61 Fluorobenzene	96	5.475	5.475	0.000	99	469814	50.0	50.0	
62 n-Butanol	56	5.769	5.769	0.000	91	42497	500.0	459.7	
63 Trichloroethene	95	5.833	5.833	0.000	98	63879	20.0	20.4	
64 Ethyl acrylate	55	5.956	5.956	0.000	97	152728	20.0	19.8	
65 Methylcyclohexane	83	5.967	5.967	0.000	94	110062	20.0	20.2	
66 1,2-Dichloropropane	63	6.127	6.127	0.000	93	63976	20.0	20.1	
* 67 1,4-Dioxane-d8	96	6.170	6.170	0.000	94	24223	1000.0	1000.0	
68 Methyl methacrylate	41	6.192	6.192	0.000	89	94999	40.0	39.4	
69 1,4-Dioxane	88	6.234	6.234	0.000	77	15357	400.0	428.2	
70 n-Propyl acetate	43	6.245	6.245	0.000	98	80114	20.0	19.6	
71 Dibromomethane	93	6.256	6.256	0.000	95	39390	20.0	19.4	
72 Dichlorobromomethane	83	6.406	6.406	0.000	99	78454	20.0	19.8	
73 2-Chloroethyl vinyl ether	63	6.737	6.737	0.000	79	33303	20.0	19.0	
74 2-Nitropropane	41	6.743	6.743	0.000	80	21830	40.0	37.6	
75 Epichlorohydrin	57	6.850	6.850	0.000	99	121842	400.0	395.1	
76 cis-1,3-Dichloropropene	75	6.909	6.909	0.000	92	93641	20.0	19.8	
77 4-Methyl-2-pentanone (MIBK	43	7.069	7.069	0.000	97	308465	100.0	101.0	
\$ 78 Toluene-d8 (Surr)	98	7.160	7.160	0.000	99	536184	50.0	48.1	
79 Toluene	91	7.235	7.235	0.000	93	251474	20.0	19.9	
80 trans-1,3-Dichloropropene	75	7.583	7.583	0.000	97	76186	20.0	19.4	
81 Ethyl methacrylate	69	7.609	7.609	0.000	89	64209	20.0	19.4	
82 1,1,2-Trichloroethane	83	7.802	7.802	0.000	97	44154	20.0	19.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.855	7.855	0.000	95	55709	20.0	20.2	
84 1,3-Dichloropropane	76	8.016	8.016	0.000	94	81055	20.0	19.6	
85 2-Hexanone	43	8.069	8.069	0.000	97	198716	100.0	98.3	
86 n-Butyl acetate	43	8.182	8.182	0.000	98	78433	20.0	19.5	
87 Chlorodibromomethane	129	8.251	8.251	0.000	98	52420	20.0	19.2	
88 Ethylene Dibromide	107	8.412	8.412	0.000	98	49751	20.0	20.0	
* 89 Chlorobenzene-d5	117	8.957	8.957	0.000	87	319665	50.0	50.0	
90 Chlorobenzene	112	8.995	8.995	0.000	95	158179	20.0	20.3	
92 Ethylbenzene	106	9.097	9.097	0.000	98	84236	20.0	20.4	
91 1,1,1,2-Tetrachloroethane	131	9.113	9.113	0.000	94	54106	20.0	19.8	
93 m-Xylene & p-Xylene	106	9.241	9.241	0.000	97	103143	20.0	20.3	
94 n-Butyl acrylate	73	9.648	9.648	0.000	97	37715	20.0	19.4	
95 o-Xylene	106	9.669	9.669	0.000	94	109684	20.0	20.8	
96 Styrene	104	9.696	9.696	0.000	95	172519	20.0	20.7	
97 Amyl acetate (mixed isomer	43	9.862	9.862	0.000	90	93522	20.0	19.9	
98 Bromoform	173	9.899	9.899	0.000	95	29190	20.0	18.0	
99 Isopropylbenzene	105	10.001	10.001	0.000	96	278381	20.0	20.7	
\$ 100 4-Bromofluorobenzene	174	10.183	10.183	0.000	90	146748	50.0	48.9	
101 Bromobenzene	156	10.295	10.295	0.000	98	64937	20.0	19.9	
102 1,1,2,2-Tetrachloroethane	83	10.327	10.327	0.000	99	76043	20.0	19.5	
103 N-Propylbenzene	91	10.348	10.348	0.000	99	337742	20.0	20.0	
104 1,2,3-Trichloropropane	110	10.370	10.370	0.000	95	18352	20.0	19.8	
105 trans-1,4-Dichloro-2-buten	53	10.380	10.380	0.000	88	18615	20.0	19.4	
106 2-Chlorotoluene	91	10.439	10.439	0.000	96	227349	20.0	20.0	
107 4-Ethyltoluene	105	10.445	10.445	0.000	98	274764	20.0	20.7	
108 1,3,5-Trimethylbenzene	105	10.493	10.493	0.000	93	237589	20.0	20.0	
109 4-Chlorotoluene	91	10.530	10.530	0.000	98	199370	20.0	20.0	
110 Butyl Methacrylate	87	10.568	10.568	0.000	91	70001	20.0	19.8	
111 tert-Butylbenzene	119	10.728	10.728	0.000	93	183473	20.0	19.4	
112 1,2,4-Trimethylbenzene	105	10.771	10.771	0.000	98	245266	20.0	20.1	
113 sec-Butylbenzene	105	10.883	10.883	0.000	99	307479	20.0	19.8	
114 4-Isopropyltoluene	119	10.980	10.980	0.000	98	256272	20.0	19.7	
115 1,3-Dichlorobenzene	146	10.990	10.990	0.000	95	129020	20.0	20.1	
* 116 1,4-Dichlorobenzene-d4	152	11.039	11.039	0.000	95	169397	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.055	11.055	0.000	96	125782	20.0	19.4	
118 Benzyl chloride	91	11.151	11.151	0.000	98	115302	20.0	19.3	
119 2,3-Dihydroindene	117	11.199	11.199	0.000	94	253902	20.0	20.6	
120 p-Diethylbenzene	119	11.231	11.231	0.000	93	151014	20.0	20.3	
121 n-Butylbenzene	91	11.247	11.247	0.000	97	307274	20.0	19.8	
122 1,2-Dichlorobenzene	146	11.301	11.301	0.000	96	128017	20.0	19.8	
123 1,2,4,5-Tetramethylbenzene	119	11.702	11.702	0.000	97	246725	20.0	20.1	
124 1,2-Dibromo-3-Chloropropan	75	11.782	11.782	0.000	94	15234	20.0	19.4	
125 1,3,5-Trichlorobenzene	180	11.868	11.868	0.000	97	104067	20.0	20.2	
126 1,2,4-Trichlorobenzene	180	12.274	12.274	0.000	93	98418	20.0	19.2	
127 Hexachlorobutadiene	225	12.333	12.333	0.000	92	42383	20.0	18.3	
128 Naphthalene	128	12.445	12.445	0.000	99	268999	20.0	19.8	
129 1,2,3-Trichlorobenzene	180	12.611	12.611	0.000	95	98064	20.0	18.9	
S 130 1,2-Dichloroethene, Total	100				0		40.0	41.3	
S 131 Xylenes, Total	100				0		40.0	41.1	
S 132 Total BTEX	1				0		100.0	102.3	

Reagents:

ACROLEIN W_00048	Amount Added: 3.00	Units: uL	
8260MIX1COMB_00033	Amount Added: 2.00	Units: uL	
GASES Li_00144	Amount Added: 2.00	Units: uL	
8260ISNEW_00059	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00116	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CVOAMS9\\20160310-38298.b\\K51270.D

Injection Date: 10-Mar-2016 23:27:30

Instrument ID: CVOAMS9

Operator ID:

Lims ID: STD20

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

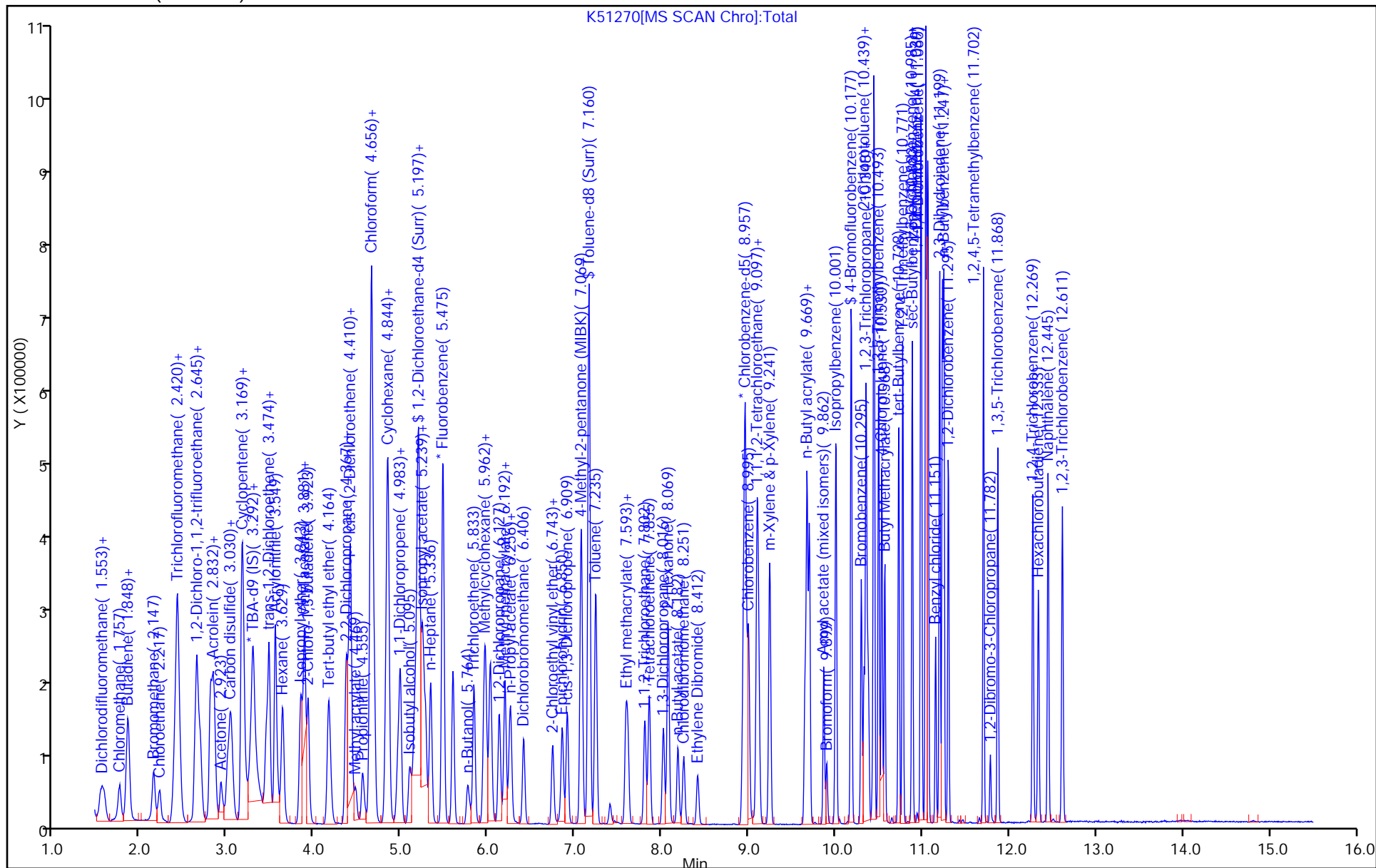
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51271.D
 Lims ID: STD50
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 10-Mar-2016 23:54:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD50
 Misc. Info.: 460-0038298-006
 Operator ID: Instrument ID: CVOAMS9
 Sublist: chrom-8260S9*sub35
 Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\8260S9.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 12-Mar-2016 17:46:19 Calib Date: 11-Mar-2016 00:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51273.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK001

First Level Reviewer: boykink

Date: 11-Mar-2016 00:36:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.538	1.537	0.001	89	29966	50.0	49.5	
2 Dichlorodifluoromethane	85	1.580	1.575	0.005	99	209570	50.0	47.0	
3 Chloromethane	50	1.762	1.757	0.005	99	189730	50.0	46.0	
4 Vinyl chloride	62	1.848	1.837	0.011	98	199369	50.0	47.8	
5 Butadiene	54	1.864	1.853	0.011	97	162458	50.0	48.7	
6 Bromomethane	94	2.153	2.142	0.011	99	142301	50.0	47.4	
7 Chloroethane	64	2.222	2.217	0.005	100	103516	50.0	47.9	
8 Trichlorofluoromethane	101	2.404	2.399	0.005	59	256170	50.0	47.9	
9 Dichlorofluoromethane	67	2.404	2.399	0.005	98	352914	50.0	48.7	
10 Pentane	72	2.431	2.425	0.006	95	55754	100.0	105.5	
12 Ethanol	46	2.629	2.607	0.022	76	31262	2000.0	1811.5	M
11 Ethyl ether	59	2.624	2.618	0.006	94	126857	50.0	50.6	
13 2-Methyl-1,3-butadiene	53	2.645	2.645	0.000	97	154523	50.0	54.0	
14 1,2-Dichloro-1,1,2-trifluo	117	2.682	2.688	-0.006	94	140004	50.0	51.3	
15 Acrolein	56	2.805	2.800	0.005	97	165673	400.0	384.5	
16 1,1,2-Trichloro-1,2,2-trif	101	2.816	2.811	0.005	95	169315	50.0	50.8	
17 1,1-Dichloroethene	96	2.848	2.843	0.005	96	163404	50.0	50.9	
18 Acetone	43	2.928	2.923	0.005	86	233295	250.0	215.2	
19 Iodomethane	142	3.009	2.998	0.011	98	293811	50.0	49.4	
22 Isopropyl alcohol	45	3.009	3.009	0.000	1	114392	500.0	530.9	
20 Carbon disulfide	76	3.041	3.035	0.006	99	641848	50.0	50.5	
21 3-Chloro-1-propene	76	3.158	3.158	0.000	99	94089	50.0	49.0	
23 Methyl acetate	43	3.169	3.164	0.005	99	609362	250.0	252.4	
24 Cyclopentene	67	3.185	3.180	0.005	93	436716	50.0	53.7	
29 Acetonitrile	41	3.228	3.223	0.005	89	230357	500.0	495.3	
* 25 TBA-d9 (IS)	65	3.287	3.292	-0.005	55	320719	1000.0	1000.0	
26 Methylene Chloride	84	3.292	3.292	0.000	94	186518	50.0	48.8	
27 2-Methyl-2-propanol	59	3.351	3.346	0.005	98	208796	500.0	484.7	
28 Methyl tert-butyl ether	73	3.453	3.453	0.000	97	475398	50.0	50.0	
30 trans-1,2-Dichloroethene	96	3.479	3.479	0.000	97	165830	50.0	50.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.549	3.549	0.000	93	610486	500.0	500.3	
32 Hexane	43	3.635	3.629	0.006	93	151655	50.0	50.7	
33 Isopropyl ether	45	3.843	3.843	0.000	97	526518	50.0	51.2	
34 1,1-Dichloroethane	63	3.886	3.881	0.005	99	312666	50.0	50.5	
35 Vinyl acetate	43	3.891	3.886	0.005	100	599365	100.0	98.2	
36 2-Chloro-1,3-butadiene	88	3.929	3.923	0.006	91	145999	50.0	52.1	
37 Tert-butyl ethyl ether	59	4.164	4.164	0.000	88	504755	50.0	51.6	
* 38 2-Butanone-d5	46	4.362	4.362	0.000	92	274075	250.0	250.0	
39 2,2-Dichloropropane	79	4.389	4.383	0.006	94	73583	50.0	52.4	
40 cis-1,2-Dichloroethene	96	4.410	4.405	0.005	93	184079	50.0	50.4	
41 Ethyl acetate	43	4.421	4.416	0.005	95	659395	100.0	97.6	
42 2-Butanone (MEK)	72	4.421	4.421	0.000	96	92166	250.0	239.7	
44 Methyl acrylate	55	4.480	4.480	0.000	100	128046	50.0	48.8	
43 Propionitrile	54	4.555	4.549	0.006	98	242156	500.0	500.9	
45 Tetrahydrofuran	72	4.635	4.635	0.000	64	46277	100.0	96.9	
46 Chlorobromomethane	128	4.640	4.640	0.000	86	86569	50.0	49.8	
47 Methacrylonitrile	67	4.662	4.656	0.006	92	651824	500.0	509.6	
48 Chloroform	83	4.689	4.688	0.000	99	291300	50.0	50.1	
49 Cyclohexane	56	4.828	4.827	0.001	93	306644	50.0	52.6	
50 1,1,1-Trichloroethane	97	4.844	4.838	0.006	99	241787	50.0	50.3	
\$ 51 Dibromofluoromethane (Surr	113	4.849	4.844	0.005	0	164818	50.0	50.2	
52 Carbon tetrachloride	117	4.967	4.961	0.006	98	195654	50.0	50.8	
53 1,1-Dichloropropene	75	4.988	4.988	0.000	97	231171	50.0	51.4	
56 Isobutyl alcohol	43	5.100	5.100	0.000	95	194186	1250.0	1276.8	
54 Benzene	78	5.191	5.186	0.005	97	662794	50.0	51.1	
\$ 55 1,2-Dichloroethane-d4 (Sur	65	5.202	5.202	0.000	97	183485	50.0	48.9	
57 Isopropyl acetate	43	5.240	5.234	0.006	97	471692	50.0	49.9	
58 Tert-amyl methyl ether	73	5.250	5.245	0.005	99	504776	50.0	51.9	
59 1,2-Dichloroethane	62	5.282	5.282	0.000	97	211291	50.0	49.0	
60 n-Heptane	57	5.336	5.336	0.000	94	157687	50.0	55.5	
* 61 Fluorobenzene	96	5.480	5.475	0.005	99	495747	50.0	50.0	
62 n-Butanol	56	5.769	5.769	0.000	89	126278	1250.0	1300.0	
63 Trichloroethene	95	5.839	5.833	0.006	98	165972	50.0	50.2	
64 Ethyl acrylate	55	5.956	5.956	0.000	97	421557	50.0	51.7	
65 Methylcyclohexane	83	5.967	5.967	0.000	96	309512	50.0	53.9	
66 1,2-Dichloropropane	63	6.128	6.127	0.001	92	165087	50.0	49.2	
* 67 1,4-Dioxane-d8	96	6.186	6.170	0.016	34	26794	1000.0	1000.0	
68 Methyl methacrylate	41	6.192	6.192	0.000	91	250810	100.0	98.5	
69 1,4-Dioxane	88	6.235	6.234	0.001	85	40402	1000.0	1018.4	
70 n-Propyl acetate	43	6.245	6.245	0.000	99	213277	50.0	49.5	
71 Dibromomethane	93	6.261	6.256	0.005	95	104064	50.0	48.7	
72 Dichlorobromomethane	83	6.411	6.406	0.005	99	209075	50.0	50.0	
73 2-Chloroethyl vinyl ether	63	6.743	6.737	0.006	93	91559	50.0	49.5	
74 2-Nitropropane	41	6.743	6.743	0.000	98	59363	100.0	95.6	
75 Epichlorohydrin	57	6.850	6.850	0.000	99	316924	1000.0	981.7	
76 cis-1,3-Dichloropropene	75	6.909	6.909	0.000	93	249051	50.0	49.8	
77 4-Methyl-2-pentanone (MIBK	43	7.069	7.069	0.000	97	796052	250.0	249.0	
\$ 78 Toluene-d8 (Surr)	98	7.160	7.160	0.000	99	589563	50.0	49.9	
79 Toluene	91	7.240	7.235	0.005	93	654950	50.0	48.9	
80 trans-1,3-Dichloropropene	75	7.583	7.583	0.000	97	204888	50.0	49.3	
81 Ethyl methacrylate	69	7.609	7.609	0.000	91	173447	50.0	49.4	
82 1,1,2-Trichloroethane	83	7.802	7.802	0.000	97	115529	50.0	49.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.856	7.855	0.001	95	147000	50.0	50.4	
84 1,3-Dichloropropane	76	8.016	8.016	0.000	94	212705	50.0	48.6	
85 2-Hexanone	43	8.070	8.069	0.001	97	513721	250.0	242.9	
86 n-Butyl acetate	43	8.182	8.182	0.000	99	211721	50.0	49.7	
87 Chlorodibromomethane	129	8.251	8.251	0.000	98	141886	50.0	49.1	
88 Ethylene Dibromide	107	8.412	8.412	0.000	100	130050	50.0	49.4	
* 89 Chlorobenzene-d5	117	8.963	8.957	0.006	88	338759	50.0	50.0	
90 Chlorobenzene	112	8.995	8.995	0.000	94	403578	50.0	48.8	
92 Ethylbenzene	106	9.097	9.097	0.000	98	219085	50.0	50.0	
91 1,1,1,2-Tetrachloroethane	131	9.113	9.113	0.000	95	145887	50.0	50.3	
93 m-Xylene & p-Xylene	106	9.241	9.241	0.000	97	272113	50.0	50.5	
94 n-Butyl acrylate	73	9.648	9.648	0.000	97	103732	50.0	50.4	
95 o-Xylene	106	9.669	9.669	0.000	93	287975	50.0	51.5	
96 Styrene	104	9.696	9.696	0.000	96	449807	50.0	51.0	
97 Amyl acetate (mixed isomer	43	9.862	9.862	0.000	90	255029	50.0	52.2	
98 Bromoform	173	9.899	9.899	0.000	94	80780	50.0	47.0	
99 Isopropylbenzene	105	10.001	10.001	0.000	96	746094	50.0	52.4	
\$ 100 4-Bromofluorobenzene	174	10.183	10.183	0.000	90	157766	50.0	49.6	
101 Bromobenzene	156	10.295	10.295	0.000	98	168022	50.0	49.6	
102 1,1,2,2-Tetrachloroethane	83	10.327	10.327	0.000	99	195769	50.0	48.5	
103 N-Propylbenzene	91	10.348	10.348	0.000	99	912980	50.0	52.0	
104 1,2,3-Trichloropropane	110	10.370	10.370	0.000	96	46823	50.0	48.6	
105 trans-1,4-Dichloro-2-buten	53	10.381	10.380	0.001	90	48705	50.0	48.8	
106 2-Chlorotoluene	91	10.439	10.439	0.000	97	598390	50.0	50.8	
107 4-Ethyltoluene	105	10.445	10.445	0.000	98	729894	50.0	53.1	
108 1,3,5-Trimethylbenzene	105	10.493	10.493	0.000	93	634993	50.0	51.6	
109 4-Chlorotoluene	91	10.530	10.530	0.000	98	518440	50.0	50.2	
110 Butyl Methacrylate	87	10.568	10.568	0.000	91	198309	50.0	54.0	
111 tert-Butylbenzene	119	10.728	10.728	0.000	93	512459	50.0	52.3	
112 1,2,4-Trimethylbenzene	105	10.771	10.771	0.000	98	652634	50.0	51.6	
113 sec-Butylbenzene	105	10.883	10.883	0.000	99	856106	50.0	53.2	
114 4-Isopropyltoluene	119	10.980	10.980	0.000	98	714202	50.0	52.8	
115 1,3-Dichlorobenzene	146	10.990	10.990	0.000	95	328306	50.0	49.3	
* 116 1,4-Dichlorobenzene-d4	152	11.039	11.039	0.001	95	175751	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.055	11.055	0.000	94	329824	50.0	49.1	
118 Benzyl chloride	91	11.151	11.151	0.000	98	308910	50.0	49.7	
119 2,3-Dihydroindene	117	11.199	11.199	0.000	94	672005	50.0	52.7	
120 p-Diethylbenzene	119	11.231	11.231	0.000	92	414176	50.0	53.6	
121 n-Butylbenzene	91	11.247	11.247	0.000	98	837227	50.0	52.1	
122 1,2-Dichlorobenzene	146	11.295	11.301	-0.006	95	331754	50.0	49.4	
123 1,2,4,5-Tetramethylbenzene	119	11.702	11.702	0.000	97	690563	50.0	54.3	
124 1,2-Dibromo-3-Chloropropan	75	11.782	11.782	0.000	97	38556	50.0	47.2	
125 1,3,5-Trichlorobenzene	180	11.868	11.868	0.000	97	277969	50.0	52.1	
126 1,2,4-Trichlorobenzene	180	12.274	12.274	0.000	94	265915	50.0	50.0	
127 Hexachlorobutadiene	225	12.333	12.333	0.000	92	120907	50.0	50.4	
128 Naphthalene	128	12.446	12.445	0.001	99	715216	50.0	50.8	
129 1,2,3-Trichlorobenzene	180	12.611	12.611	0.000	95	265661	50.0	49.4	
S 130 1,2-Dichloroethene, Total	100				0		100.0	100.7	
S 131 Xylenes, Total	100				0		100.0	102.0	
S 132 Total BTEX	1				0		250.0	252.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GASES Li_00144	Amount Added: 5.00	Units: uL	
ACROLEIN W_00048	Amount Added: 4.00	Units: uL	
8260MIX1COMB_00033	Amount Added: 5.00	Units: uL	
8260ISNEW_00059	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00116	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CVOAMS9\\20160310-38298.b\\K51271.D

Injection Date: 10-Mar-2016 23:54:30

Instrument ID: CVOAMS9

Operator ID:

Lims ID: STD50

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

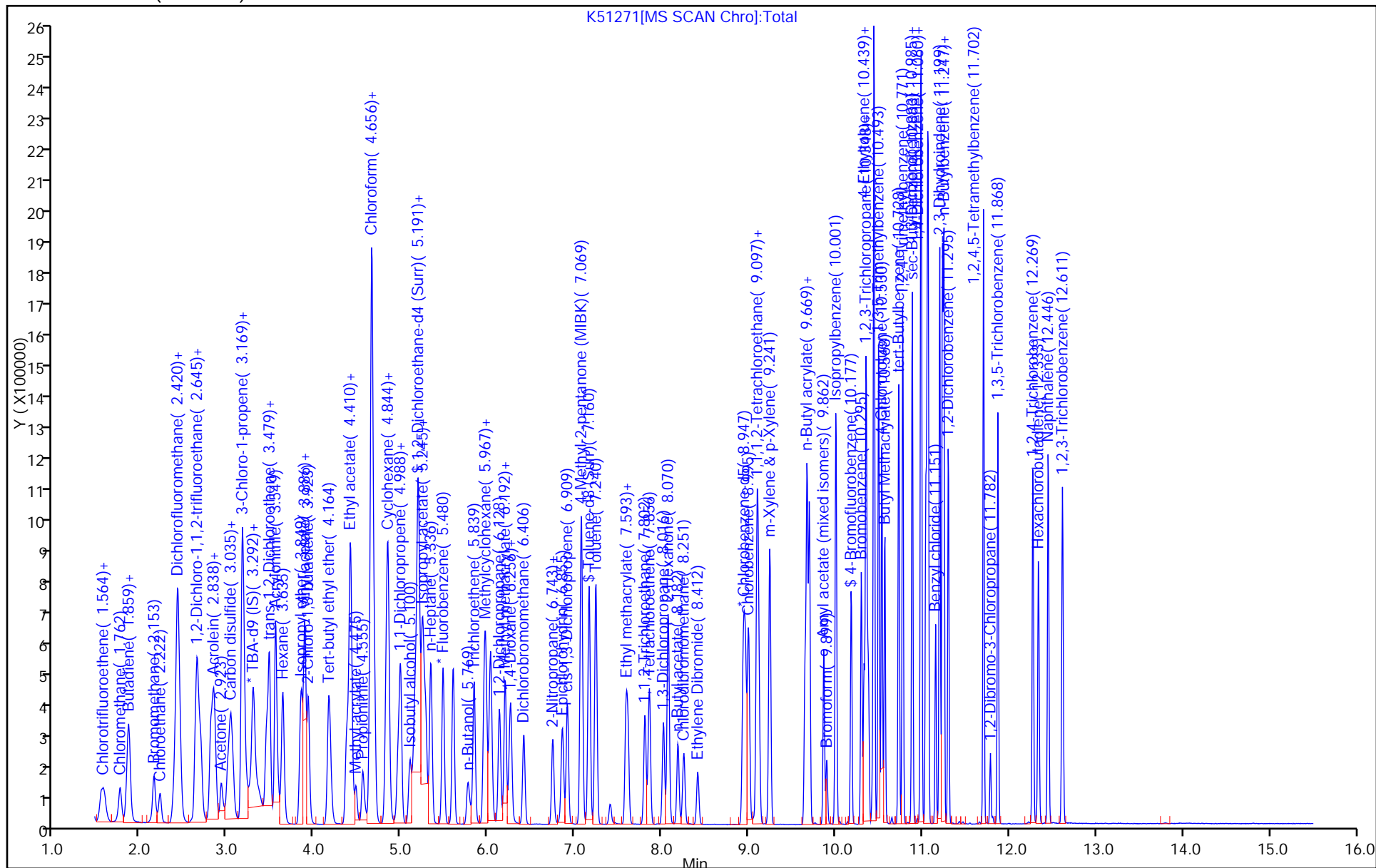
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CVOAMS9\\20160310-38298.b\\K51271.D

Injection Date: 10-Mar-2016 23:54:30

Instrument ID: CVOAMS9

Lims ID: STD50

Client ID:

Operator ID:

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

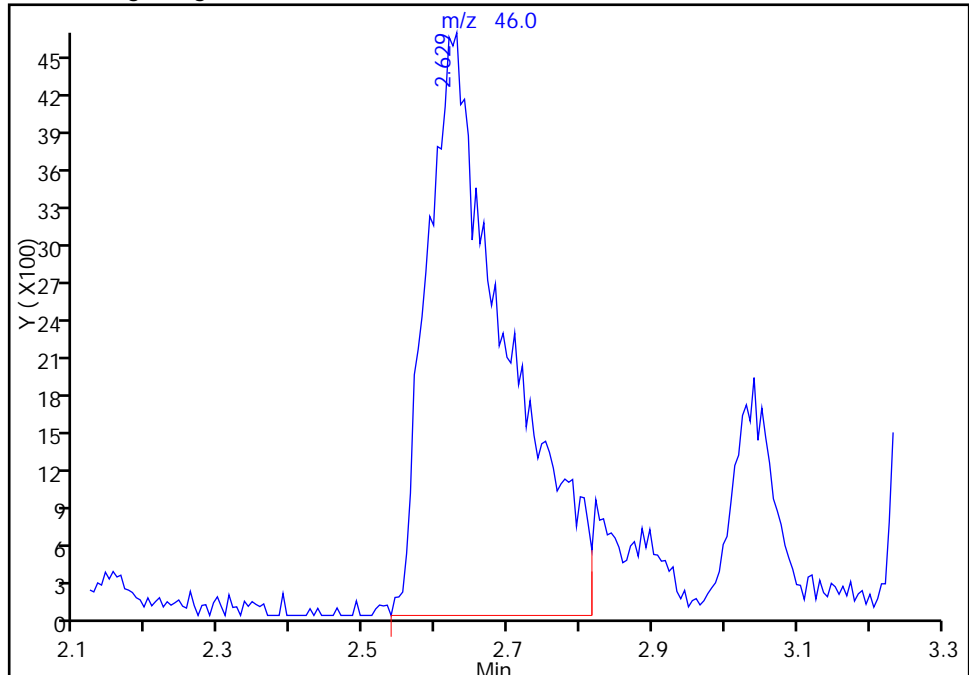
Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

12 Ethanol, CAS: 64-17-5

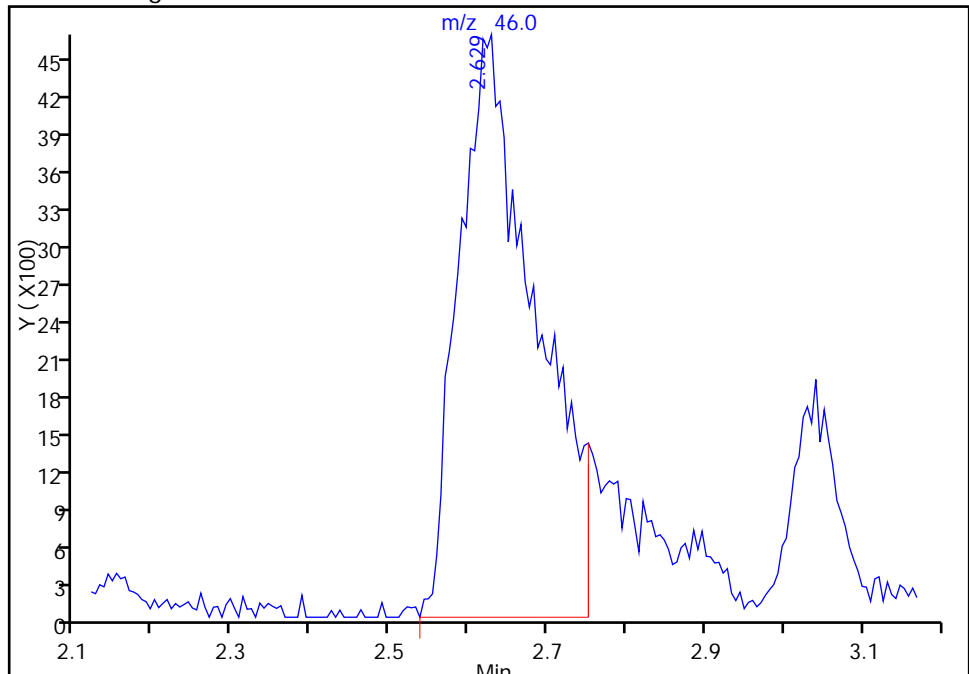
RT: 2.63
Area: 34955
Amount: 2377.4007
Amount Units: ug/l

Processing Integration Results



RT: 2.63
Area: 31262
Amount: 1811.5099
Amount Units: ug/l

Manual Integration Results



Reviewer: delpolitov, 12-Mar-2016 17:32:31

Audit Action: Split an Integrated Peak

Audit Reason: Peak Tail

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51272.D
 Lims ID: STD200
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 11-Mar-2016 00:21:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD200
 Misc. Info.: 460-0038298-007
 Operator ID: Instrument ID: CVOAMS9
 Sublist: chrom-8260S9*sub35
 Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\8260S9.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 12-Mar-2016 17:46:28 Calib Date: 11-Mar-2016 00:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51273.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK001

First Level Reviewer: kluseys

Date: 11-Mar-2016 01:29:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.532	1.537	-0.005	88	143375	200.0	224.2	
2 Dichlorodifluoromethane	85	1.564	1.575	-0.011	99	1063460	200.0	225.9	
3 Chloromethane	50	1.751	1.757	-0.006	99	919778	200.0	211.0	
4 Vinyl chloride	62	1.837	1.837	0.000	98	936213	200.0	212.4	
5 Butadiene	54	1.858	1.853	0.005	98	775008	200.0	219.9	
6 Bromomethane	94	2.142	2.142	0.000	99	630613	200.0	199.1	
7 Chloroethane	64	2.217	2.217	0.000	100	464684	200.0	203.5	
8 Trichlorofluoromethane	101	2.404	2.399	0.005	99	1133359	200.0	200.7	
9 Dichlorofluoromethane	67	2.393	2.399	-0.006	99	1496554	200.0	195.6	
10 Pentane	72	2.420	2.425	-0.005	95	222568	400.0	398.6	
12 Ethanol	46	2.613	2.607	0.006	75	122195	8000.0	6528.8	M
11 Ethyl ether	59	2.613	2.618	-0.005	94	520491	200.0	196.7	
13 2-Methyl-1,3-butadiene	53	2.639	2.645	-0.006	96	610679	200.0	202.3	
14 1,2-Dichloro-1,1,2-trifluo	117	2.677	2.688	-0.011	94	580978	200.0	201.7	
15 Acrolein	56	2.795	2.800	-0.005	94	216831	500.0	464.0	
16 1,1,2-Trichloro-1,2,2-trif	101	2.811	2.811	0.000	95	735208	200.0	208.9	
17 1,1-Dichloroethene	96	2.843	2.843	0.000	97	688478	200.0	203.2	
18 Acetone	43	2.918	2.923	-0.005	86	1107949	1000.0	949.0	
19 Iodomethane	142	3.003	2.998	0.005	98	1230966	200.0	196.1	
22 Isopropyl alcohol	45	3.003	3.009	-0.006	1	451231	2000.0	1930.9	
20 Carbon disulfide	76	3.035	3.035	0.000	99	2714102	200.0	202.3	
21 3-Chloro-1-propene	76	3.153	3.158	-0.005	98	410743	200.0	202.5	
23 Methyl acetate	43	3.158	3.164	-0.006	100	2463850	1000.0	966.3	
24 Cyclopentene	67	3.174	3.180	-0.006	93	1707159	200.0	198.7	
29 Acetonitrile	41	3.217	3.223	-0.006	93	897303	2000.0	1778.9	
* 25 TBA-d9 (IS)	65	3.281	3.292	-0.011	96	347834	1000.0	1000.0	
26 Methylene Chloride	84	3.287	3.292	-0.005	94	757834	200.0	187.8	
27 2-Methyl-2-propanol	59	3.351	3.346	0.005	94	927922	2000.0	2005.0	
28 Methyl tert-butyl ether	73	3.442	3.453	-0.011	97	1959998	200.0	195.4	
30 trans-1,2-Dichloroethene	96	3.474	3.479	-0.005	96	679197	200.0	194.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.544	3.549	-0.005	93	2507804	2000.0	1946.2	
32 Hexane	43	3.624	3.629	-0.005	93	667411	200.0	211.1	
33 Isopropyl ether	45	3.838	3.843	-0.005	97	2016237	200.0	185.7	
34 1,1-Dichloroethane	63	3.875	3.881	-0.006	100	1276265	200.0	195.0	
35 Vinyl acetate	43	3.886	3.886	0.000	100	2777331	400.0	430.7	
36 2-Chloro-1,3-butadiene	88	3.923	3.923	0.000	91	569198	200.0	192.2	
37 Tert-butyl ethyl ether	59	4.159	4.164	-0.005	88	1935082	200.0	187.5	
* 38 2-Butanone-d5	46	4.357	4.362	-0.005	73	295108	250.0	250.0	
39 2,2-Dichloropropane	79	4.389	4.383	0.006	95	315852	200.0	212.9	
40 cis-1,2-Dichloroethene	96	4.405	4.405	0.000	93	747731	200.0	194.0	
41 Ethyl acetate	43	4.416	4.416	0.000	93	2758794	400.0	379.3	
42 2-Butanone (MEK)	72	4.416	4.421	-0.005	96	397997	1000.0	961.1	
44 Methyl acrylate	55	4.474	4.480	-0.006	100	521311	200.0	188.0	
43 Propionitrile	54	4.549	4.549	0.000	97	948176	2000.0	1808.6	
45 Tetrahydrofuran	72	4.630	4.635	-0.005	91	197295	400.0	383.5	
46 Chlorobromomethane	128	4.635	4.640	-0.005	92	353443	200.0	192.5	
47 Methacrylonitrile	67	4.656	4.656	0.000	93	2542378	2000.0	1882.1	
48 Chloroform	83	4.683	4.688	-0.005	98	1182971	200.0	192.5	
49 Cyclohexane	56	4.827	4.827	0.000	94	1312589	200.0	213.1	
50 1,1,1-Trichloroethane	97	4.838	4.838	0.000	99	1024484	200.0	201.8	
\$ 51 Dibromofluoromethane (Surr	113	4.844	4.844	0.000	0	170160	50.0	49.1	
52 Carbon tetrachloride	117	4.961	4.961	0.000	98	849804	200.0	209.0	
53 1,1-Dichloropropene	75	4.988	4.988	0.000	97	964494	200.0	203.1	
56 Isobutyl alcohol	43	5.095	5.100	-0.005	95	958045	5000.0	5808.4	
54 Benzene	78	5.186	5.186	0.000	97	2768727	200.0	197.8	
\$ 55 1,2-Dichloroethane-d4 (Sur	65	5.202	5.202	0.000	96	200489	50.0	50.6	
57 Isopropyl acetate	43	5.234	5.234	0.000	96	1950868	200.0	195.5	
58 Tert-amyl methyl ether	73	5.245	5.245	0.000	91	1958231	200.0	190.7	
59 1,2-Dichloroethane	62	5.277	5.282	-0.005	96	881605	200.0	193.6	
60 n-Heptane	57	5.336	5.336	0.000	94	716158	200.0	238.8	
* 61 Fluorobenzene	96	5.475	5.475	0.000	98	523520	50.0	50.0	
62 n-Butanol	56	5.764	5.769	-0.005	89	597705	5000.0	5673.5	
63 Trichloroethene	95	5.833	5.833	0.000	98	704215	200.0	201.8	
64 Ethyl acrylate	55	5.951	5.956	-0.005	99	1824688	200.0	211.9	
65 Methylcyclohexane	83	5.967	5.967	0.000	94	1337983	200.0	220.6	
66 1,2-Dichloropropane	63	6.127	6.127	0.000	94	714591	200.0	201.9	
* 67 1,4-Dioxane-d8	96	6.181	6.170	0.011	73	31860	1000.0	1000.0	
68 Methyl methacrylate	41	6.192	6.192	0.000	93	1095576	400.0	407.6	
69 1,4-Dioxane	88	6.234	6.234	0.000	27	170299	4000.0	3610.1	
70 n-Propyl acetate	43	6.245	6.245	0.000	99	905428	200.0	198.9	
71 Dibromomethane	93	6.261	6.256	0.005	95	436941	200.0	193.5	
72 Dichlorobromomethane	83	6.406	6.406	0.000	99	915765	200.0	207.3	
73 2-Chloroethyl vinyl ether	63	6.743	6.737	0.006	95	395211	200.0	202.5	
74 2-Nitropropane	41	6.743	6.743	0.000	91	282628	400.0	401.7	
75 Epichlorohydrin	57	6.855	6.850	0.005	99	1440631	4000.0	4144.3	
76 cis-1,3-Dichloropropene	75	6.908	6.909	-0.001	93	1135668	200.0	210.3	
77 4-Methyl-2-pentanone (MIBK	43	7.069	7.069	0.000	97	3571368	1000.0	1037.3	
\$ 78 Toluene-d8 (Surr)	98	7.160	7.160	0.000	99	659088	50.0	51.7	
79 Toluene	91	7.240	7.235	0.005	93	2882272	200.0	199.2	
80 trans-1,3-Dichloropropene	75	7.583	7.583	0.000	98	957273	200.0	213.2	
81 Ethyl methacrylate	69	7.609	7.609	0.000	90	818533	200.0	215.9	
82 1,1,2-Trichloroethane	83	7.802	7.802	0.000	96	510759	200.0	200.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.855	7.855	0.000	95	652959	200.0	207.1	
84 1,3-Dichloropropane	76	8.016	8.016	0.000	94	944813	200.0	200.1	
85 2-Hexanone	43	8.069	8.069	0.000	96	2374869	1000.0	1042.8	
86 n-Butyl acetate	43	8.182	8.182	0.000	99	913471	200.0	198.6	
87 Chlorodibromomethane	129	8.251	8.251	0.000	98	650532	200.0	208.5	
88 Ethylene Dibromide	107	8.412	8.412	0.000	98	577326	200.0	203.2	
* 89 Chlorobenzene-d5	117	8.957	8.957	0.000	88	365871	50.0	50.0	
90 Chlorobenzene	112	8.995	8.995	0.000	94	1765107	200.0	197.8	
92 Ethylbenzene	106	9.097	9.097	0.000	99	976723	200.0	206.3	
91 1,1,1,2-Tetrachloroethane	131	9.113	9.113	0.000	96	648712	200.0	207.2	
93 m-Xylene & p-Xylene	106	9.241	9.241	0.000	97	1199426	200.0	206.0	
94 n-Butyl acrylate	73	9.648	9.648	0.000	97	454561	200.0	204.4	
95 o-Xylene	106	9.669	9.669	0.000	93	1262039	200.0	209.1	
96 Styrene	104	9.696	9.696	0.000	95	1966862	200.0	206.4	
97 Amyl acetate (mixed isomer	43	9.862	9.862	0.000	90	1076267	200.0	209.4	
98 Bromoform	173	9.899	9.899	0.000	95	373084	200.0	201.2	
99 Isopropylbenzene	105	10.006	10.001	0.005	96	3327641	200.0	216.4	
\$ 100 4-Bromofluorobenzene	174	10.183	10.183	-0.001	90	170468	50.0	49.6	
101 Bromobenzene	156	10.295	10.295	0.000	98	715508	200.0	200.8	
102 1,1,2,2-Tetrachloroethane	83	10.327	10.327	0.000	99	843723	200.0	198.6	
103 N-Propylbenzene	91	10.348	10.348	0.000	99	3932631	200.0	212.9	
104 1,2,3-Trichloropropane	110	10.370	10.370	0.000	96	200779	200.0	198.2	
105 trans-1,4-Dichloro-2-buten	53	10.380	10.380	0.000	87	219386	200.0	209.1	
106 2-Chlorotoluene	91	10.439	10.439	0.000	97	2548240	200.0	205.6	
107 4-Ethyltoluene	105	10.445	10.445	0.000	98	2807265	200.0	194.1	
108 1,3,5-Trimethylbenzene	105	10.493	10.493	0.000	93	2817028	200.0	217.6	
109 4-Chlorotoluene	91	10.530	10.530	0.000	97	2219839	200.0	204.3	
110 Butyl Methacrylate	87	10.568	10.568	0.000	91	842807	200.0	218.0	
111 tert-Butylbenzene	119	10.728	10.728	0.000	92	2329620	200.0	226.2	
112 1,2,4-Trimethylbenzene	105	10.771	10.771	0.000	98	2839787	200.0	213.4	
113 sec-Butylbenzene	105	10.883	10.883	0.000	99	3840041	200.0	226.8	
114 4-Isopropyltoluene	119	10.980	10.980	0.000	98	3169061	200.0	222.7	
115 1,3-Dichlorobenzene	146	10.990	10.990	0.000	95	1408859	200.0	201.3	
* 116 1,4-Dichlorobenzene-d4	152	11.038	11.039	0.000	94	184845	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.055	11.055	-0.001	94	1400698	200.0	198.2	
118 Benzyl chloride	91	11.151	11.151	0.000	98	1384995	200.0	211.9	
119 2,3-Dihydroindene	117	11.199	11.199	0.000	94	2582827	200.0	192.4	
120 p-Diethylbenzene	119	11.231	11.231	0.000	92	1560378	200.0	192.1	
121 n-Butylbenzene	91	11.247	11.247	0.000	97	3588018	200.0	212.2	
122 1,2-Dichlorobenzene	146	11.301	11.301	0.000	96	1400181	200.0	198.3	
123 1,2,4,5-Tetramethylbenzene	119	11.702	11.702	0.000	97	2663288	200.0	199.0	
124 1,2-Dibromo-3-Chloropropan	75	11.782	11.782	0.000	97	173113	200.0	201.6	
125 1,3,5-Trichlorobenzene	180	11.868	11.868	0.000	97	1030786	200.0	183.5	
126 1,2,4-Trichlorobenzene	180	12.274	12.274	0.000	94	1136499	200.0	203.0	
127 Hexachlorobutadiene	225	12.338	12.333	0.005	93	559227	200.0	221.8	
128 Naphthalene	128	12.451	12.445	0.006	99	3040252	200.0	205.5	
129 1,2,3-Trichlorobenzene	180	12.611	12.611	0.000	95	1112821	200.0	196.9	
S 130 1,2-Dichloroethene, Total	100				0		400.0	388.8	
S 131 Xylenes, Total	100				0		400.0	415.2	
S 132 Total BTEX	1				0		1000.0	1018.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GASES Li_00144	Amount Added: 20.00	Units: uL	
ACROLEIN W_00048	Amount Added: 5.00	Units: uL	
8260MIX1COMB_00033	Amount Added: 20.00	Units: uL	
8260ISNEW_00059	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00116	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CVOAMS9\\20160310-38298.b\\K51272.D

Injection Date: 11-Mar-2016 00:21:30

Instrument ID: CVOAMS9

Operator ID:

Lims ID: STD200

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

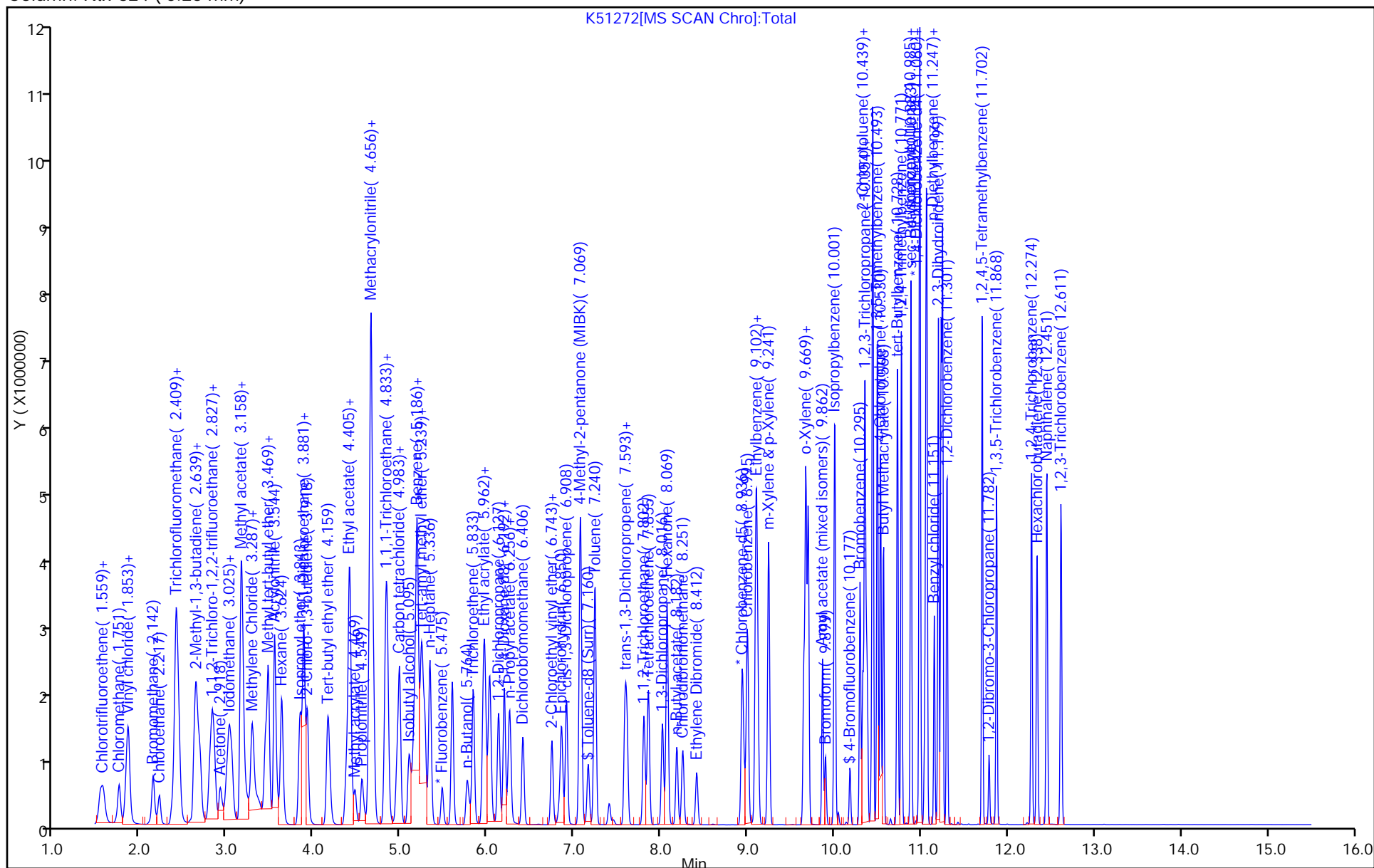
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51272.D

Injection Date: 11-Mar-2016 00:21:30

Instrument ID: CVOAMS9

Lims ID: STD200

Client ID:

Operator ID:

ALS Bottle#:

6

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

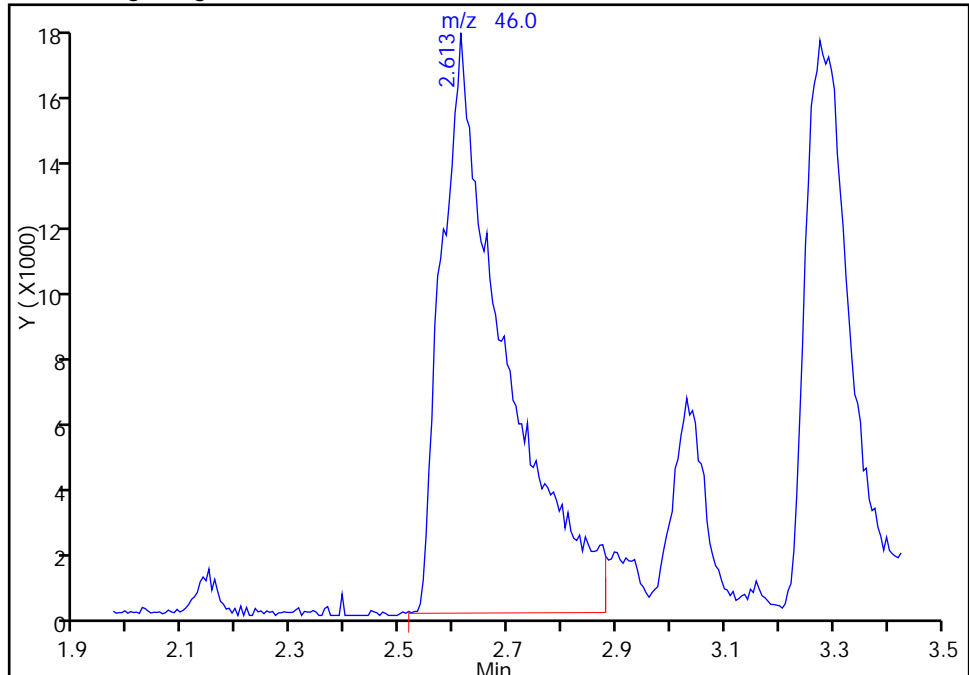
Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

12 Ethanol, CAS: 64-17-5

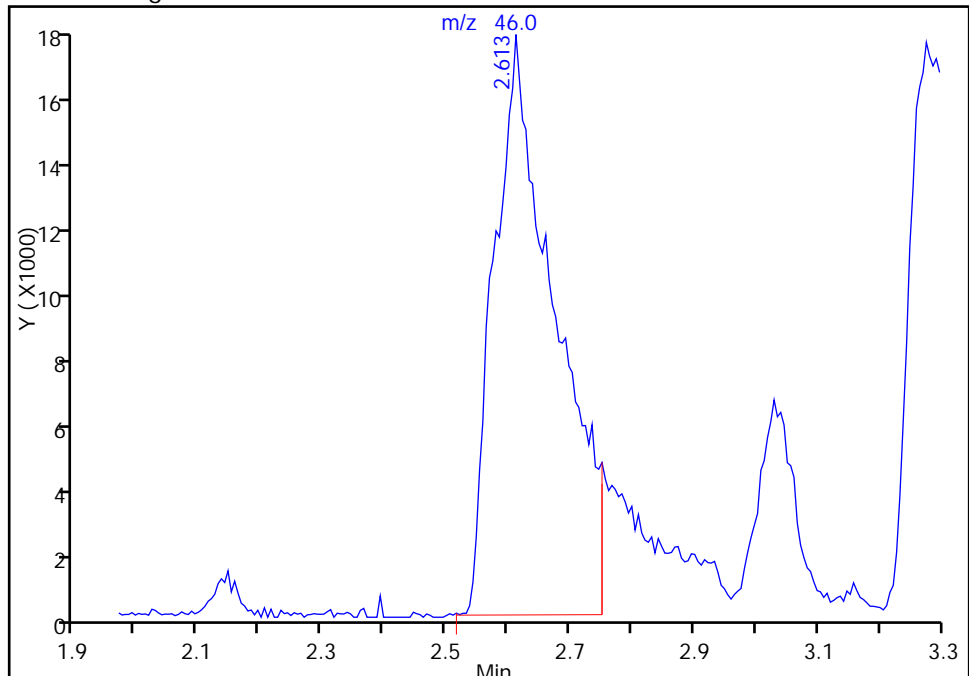
RT: 2.61
Area: 143300
Amount: 7966.8805
Amount Units: ug/l

Processing Integration Results



RT: 2.61
Area: 122195
Amount: 6528.7503
Amount Units: ug/l

Manual Integration Results



Reviewer: delpolitov, 12-Mar-2016 17:32:47

Audit Action: Split an Integrated Peak

Audit Reason: Peak Tail

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51273.D
 Lims ID: STD500
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 11-Mar-2016 00:48:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD500
 Misc. Info.: 460-0038298-008
 Operator ID: Instrument ID: CVOAMS9
 Sublist: chrom-8260S9*sub35
 Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\8260S9.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 12-Mar-2016 17:46:37 Calib Date: 11-Mar-2016 00:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51273.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK001

First Level Reviewer: kluseys

Date: 11-Mar-2016 01:30:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.532	1.537	-0.005	95	372633	500.0	540.3	
2 Dichlorodifluoromethane	85	1.564	1.575	-0.011	99	2819798	500.0	555.4	
3 Chloromethane	50	1.751	1.757	-0.006	99	2506368	500.0	533.2	
4 Vinyl chloride	62	1.837	1.837	0.000	98	2509848	500.0	527.9	
5 Butadiene	54	1.858	1.853	0.005	97	2095497	500.0	551.4	
6 Bromomethane	94	2.142	2.142	0.000	99	1608859	500.0	471.0	
7 Chloroethane	64	2.217	2.217	0.000	100	1212956	500.0	492.5	
8 Trichlorofluoromethane	101	2.404	2.399	0.005	99	2980205	500.0	489.3	
9 Dichlorofluoromethane	67	2.399	2.399	0.000	99	3968805	500.0	481.1	
10 Pentane	72	2.425	2.425	0.000	95	638298	1000.0	1060.1	
12 Ethanol	46	2.618	2.607	0.011	82	409377	20000	19378	
11 Ethyl ether	59	2.613	2.618	-0.005	96	1391625	500.0	487.6	
13 2-Methyl-1,3-butadiene	53	2.639	2.645	-0.006	96	1674375	500.0	514.2	
14 1,2-Dichloro-1,1,2-trifluo	117	2.682	2.688	-0.006	88	1537359	500.0	495.0	
15 Acrolein	56	2.795	2.800	-0.005	94	274329	600.0	520.1	
16 1,1,2-Trichloro-1,2,2-trif	101	2.811	2.811	0.000	95	2009044	500.0	529.4	
17 1,1-Dichloroethene	96	2.848	2.843	0.005	97	1847365	500.0	505.6	
18 Acetone	43	2.918	2.923	-0.005	86	3110679	2500.0	2439.7	
19 Iodomethane	142	3.009	2.998	0.011	98	3254862	500.0	480.8	
22 Isopropyl alcohol	45	2.998	3.009	-0.011	1	1358876	5000.0	5151.7	
20 Carbon disulfide	76	3.046	3.035	0.011	100	7193995	500.0	497.3	
21 3-Chloro-1-propene	76	3.153	3.158	-0.005	99	1128542	500.0	516.0	
23 Methyl acetate	43	3.158	3.164	-0.006	99	6527645	2500.0	2373.8	
24 Cyclopentene	67	3.180	3.180	0.000	94	4685573	500.0	505.7	
29 Acetonitrile	41	3.217	3.223	-0.006	92	3253746	5000.0	5714.6	
* 25 TBA-d9 (IS)	65	3.297	3.292	0.005	95	392617	1000.0	1000.0	
26 Methylene Chloride	84	3.292	3.292	0.000	95	2017241	500.0	463.5	
27 2-Methyl-2-propanol	59	3.362	3.346	0.016	94	2563013	5000.0	4999.3	
28 Methyl tert-butyl ether	73	3.447	3.453	-0.006	97	5380025	500.0	497.3	
30 trans-1,2-Dichloroethene	96	3.474	3.479	-0.005	97	1797871	500.0	478.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.544	3.549	-0.005	93	6609766	5000.0	4756.3	
32 Hexane	43	3.624	3.629	-0.005	93	1775202	500.0	520.6	
33 Isopropyl ether	45	3.838	3.843	-0.005	97	5592236	500.0	477.6	
34 1,1-Dichloroethane	63	3.875	3.881	-0.006	99	3346829	500.0	474.2	
35 Vinyl acetate	43	3.881	3.886	-0.005	100	7432055	1000.0	1068.7	
36 2-Chloro-1,3-butadiene	88	3.923	3.923	0.000	91	1528243	500.0	478.4	
37 Tert-butyl ethyl ether	59	4.164	4.164	0.000	88	5513988	500.0	495.4	
* 38 2-Butanone-d5	46	4.357	4.362	-0.005	42	322307	250.0	250.0	
39 2,2-Dichloropropane	79	4.389	4.383	0.006	95	835023	500.0	521.9	
40 cis-1,2-Dichloroethene	96	4.405	4.405	0.000	93	1967131	500.0	473.1	
41 Ethyl acetate	43	4.416	4.416	0.000	95	7409394	1000.0	932.9	
42 2-Butanone (MEK)	72	4.416	4.421	-0.005	96	1068374	2500.0	2362.3	
44 Methyl acrylate	55	4.474	4.480	-0.006	100	1470992	500.0	491.8	
43 Propionitrile	54	4.549	4.549	0.000	98	2592966	5000.0	4381.7	
45 Tetrahydrofuran	72	4.630	4.635	-0.005	91	519775	1000.0	925.1	
46 Chlorobromomethane	128	4.635	4.640	-0.005	93	939395	500.0	474.5	
47 Methacrylonitrile	67	4.662	4.656	0.006	93	6759323	5000.0	4639.9	
48 Chloroform	83	4.688	4.688	0.000	98	3122675	500.0	471.1	
49 Cyclohexane	56	4.827	4.827	0.000	94	3550464	500.0	534.4	
50 1,1,1-Trichloroethane	97	4.838	4.838	0.000	99	2735509	500.0	499.7	
\$ 51 Dibromofluoromethane (Surr	113	4.843	4.844	-0.001	0	179867	50.0	48.1	
52 Carbon tetrachloride	117	4.961	4.961	0.000	97	2319084	500.0	528.7	
53 1,1-Dichloropropene	75	4.988	4.988	0.000	97	2551490	500.0	498.2	
56 Isobutyl alcohol	43	5.095	5.100	-0.005	95	2714176	12500	14579	
54 Benzene	78	5.191	5.186	0.005	96	7301759	500.0	473.8	
\$ 55 1,2-Dichloroethane-d4 (Sur	65	5.202	5.202	0.000	94	228572	50.0	53.5	
57 Isopropyl acetate	43	5.234	5.234	0.000	96	5251421	500.0	487.9	
58 Tert-amyl methyl ether	73	5.250	5.245	0.005	96	5558197	500.0	502.0	
59 1,2-Dichloroethane	62	5.277	5.282	-0.005	95	2338240	500.0	476.0	
60 n-Heptane	57	5.336	5.336	0.000	94	1700715	500.0	525.8	
* 61 Fluorobenzene	96	5.475	5.475	0.000	98	564598	50.0	50.0	
62 n-Butanol	56	5.764	5.769	-0.005	90	1741790	12500	14647	
63 Trichloroethene	95	5.833	5.833	0.000	98	1869546	500.0	496.7	
64 Ethyl acrylate	55	5.951	5.956	-0.005	98	5032561	500.0	542.0	
65 Methylcyclohexane	83	5.967	5.967	0.000	94	3597321	500.0	549.9	
66 1,2-Dichloropropane	63	6.127	6.127	0.000	91	1915373	500.0	501.7	
* 67 1,4-Dioxane-d8	96	6.181	6.170	0.011	72	39002	1000.0	1000.0	M
68 Methyl methacrylate	41	6.192	6.192	0.000	93	3064139	1000.0	1057.0	
69 1,4-Dioxane	88	6.234	6.234	0.000	85	451419	10000	7817.2	
70 n-Propyl acetate	43	6.245	6.245	0.000	98	2657314	500.0	541.3	
71 Dibromomethane	93	6.261	6.256	0.005	95	1170739	500.0	480.6	
72 Dichlorobromomethane	83	6.406	6.406	0.000	100	2472426	500.0	518.9	
73 2-Chloroethyl vinyl ether	63	6.743	6.737	0.006	75	1130794	500.0	537.1	
74 2-Nitropropane	41	6.743	6.743	0.000	80	859595	1000.0	999.8	
75 Epichlorohydrin	57	6.855	6.850	0.005	100	3887117	10000	10239	
76 cis-1,3-Dichloropropene	75	6.914	6.909	0.005	92	3133867	500.0	527.0	
77 4-Methyl-2-pentanone (MIBK	43	7.074	7.069	0.005	97	9398890	2500.0	2499.6	
\$ 78 Toluene-d8 (Surr)	98	7.160	7.160	0.000	99	707675	50.0	50.4	
79 Toluene	91	7.240	7.235	0.005	93	7768068	500.0	487.6	
80 trans-1,3-Dichloropropene	75	7.583	7.583	0.000	99	2669100	500.0	539.9	
81 Ethyl methacrylate	69	7.609	7.609	0.000	90	2272917	500.0	544.4	
82 1,1,2-Trichloroethane	83	7.807	7.802	0.005	97	1371181	500.0	488.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.855	7.855	0.000	95	1761246	500.0	507.4	
84 1,3-Dichloropropane	76	8.016	8.016	0.000	94	2617377	500.0	503.4	
85 2-Hexanone	43	8.075	8.069	0.006	97	6467408	2500.0	2600.2	
86 n-Butyl acetate	43	8.182	8.182	0.000	99	2638286	500.0	520.9	
87 Chlorodibromomethane	129	8.251	8.251	0.000	98	1803365	500.0	524.9	
88 Ethylene Dibromide	107	8.412	8.412	0.000	98	1594079	500.0	509.5	
* 89 Chlorobenzene-d5	117	8.963	8.957	0.006	88	402856	50.0	50.0	
90 Chlorobenzene	112	9.000	8.995	0.005	94	4846615	500.0	493.2	
92 Ethylbenzene	106	9.097	9.097	-0.001	98	2662880	500.0	510.9	
91 1,1,1,2-Tetrachloroethane	131	9.113	9.113	0.000	96	1789616	500.0	519.2	
93 m-Xylene & p-Xylene	106	9.241	9.241	0.000	97	3272262	500.0	510.4	
94 n-Butyl acrylate	73	9.648	9.648	0.000	97	1287307	500.0	525.6	
95 o-Xylene	106	9.674	9.669	0.005	94	3370110	500.0	507.2	
96 Styrene	104	9.701	9.696	0.005	95	5355706	500.0	510.5	
97 Amyl acetate (mixed isomer	43	9.862	9.862	0.000	90	3048281	500.0	542.7	
98 Bromoform	173	9.899	9.899	0.000	95	1048085	500.0	513.3	
99 Isopropylbenzene	105	10.006	10.001	0.005	96	8807352	500.0	520.2	
\$ 100 4-Bromofluorobenzene	174	10.182	10.183	-0.001	89	186223	50.0	49.2	
101 Bromobenzene	156	10.300	10.295	0.005	99	1965794	500.0	505.0	
102 1,1,2,2-Tetrachloroethane	83	10.327	10.327	0.000	99	2274334	500.0	489.9	
103 N-Propylbenzene	91	10.354	10.348	0.006	99	10378382	500.0	514.3	
104 1,2,3-Trichloropropane	110	10.370	10.370	0.000	97	543894	500.0	491.3	
105 trans-1,4-Dichloro-2-buten	53	10.380	10.380	0.000	89	619920	500.0	540.7	
106 2-Chlorotoluene	91	10.445	10.439	0.006	97	6894274	500.0	509.1	
107 4-Ethyltoluene	105	10.445	10.445	0.000	98	7880148	500.0	498.6	
108 1,3,5-Trimethylbenzene	105	10.498	10.493	0.005	92	7634263	500.0	539.8	
109 4-Chlorotoluene	91	10.536	10.530	0.006	98	6091213	500.0	513.1	
110 Butyl Methacrylate	87	10.568	10.568	0.000	91	2434126	500.0	576.3	
111 tert-Butylbenzene	119	10.728	10.728	0.000	92	6342482	500.0	563.7	
112 1,2,4-Trimethylbenzene	105	10.776	10.771	0.005	98	7689327	500.0	528.8	
113 sec-Butylbenzene	105	10.883	10.883	0.000	98	9965259	500.0	538.6	e
114 4-Isopropyltoluene	119	10.985	10.980	0.005	97	8363591	500.0	538.0	
115 1,3-Dichlorobenzene	146	10.990	10.990	0.000	94	3779266	500.0	494.3	
* 116 1,4-Dichlorobenzene-d4	152	11.038	11.039	0.000	91	201964	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.054	11.055	-0.001	94	3827002	500.0	495.6	
118 Benzyl chloride	91	11.151	11.151	0.000	98	3989887	500.0	558.7	
119 2,3-Dihydroindene	117	11.199	11.199	0.000	94	7123087	500.0	485.7	
120 p-Diethylbenzene	119	11.231	11.231	0.000	91	4512022	500.0	508.4	
121 n-Butylbenzene	91	11.247	11.247	0.000	98	9572868	500.0	518.2	
122 1,2-Dichlorobenzene	146	11.301	11.301	0.000	95	3838560	500.0	497.5	
123 1,2,4,5-Tetramethylbenzene	119	11.702	11.702	0.000	97	7679760	500.0	525.3	
124 1,2-Dibromo-3-Chloropropan	75	11.782	11.782	0.000	98	478110	500.0	509.5	
125 1,3,5-Trichlorobenzene	180	11.868	11.868	0.000	97	3017746	500.0	491.8	
126 1,2,4-Trichlorobenzene	180	12.274	12.274	0.000	94	3108357	500.0	508.2	
127 Hexachlorobutadiene	225	12.338	12.333	0.005	92	1543460	500.0	560.2	
128 Naphthalene	128	12.451	12.445	0.006	99	8223673	500.0	508.7	
129 1,2,3-Trichlorobenzene	180	12.611	12.611	0.000	96	3057455	500.0	495.1	
S 130 1,2-Dichloroethene, Total	100				0		1000.0	951.4	
S 131 Xylenes, Total	100				0		1000.0	1017.7	
S 132 Total BTEX	1				0		2500.0	2490.0	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

Reagents:

GASES Li_00144	Amount Added: 50.00	Units: uL	
ACROLEIN W_00048	Amount Added: 6.00	Units: uL	
8260MIX1COMB_00033	Amount Added: 50.00	Units: uL	
8260ISNEW_00059	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00116	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CVOAMS9\\20160310-38298.b\\K51273.D

Injection Date: 11-Mar-2016 00:48:30

Instrument ID: CVOAMS9

Operator ID:

Lims ID: STD500

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

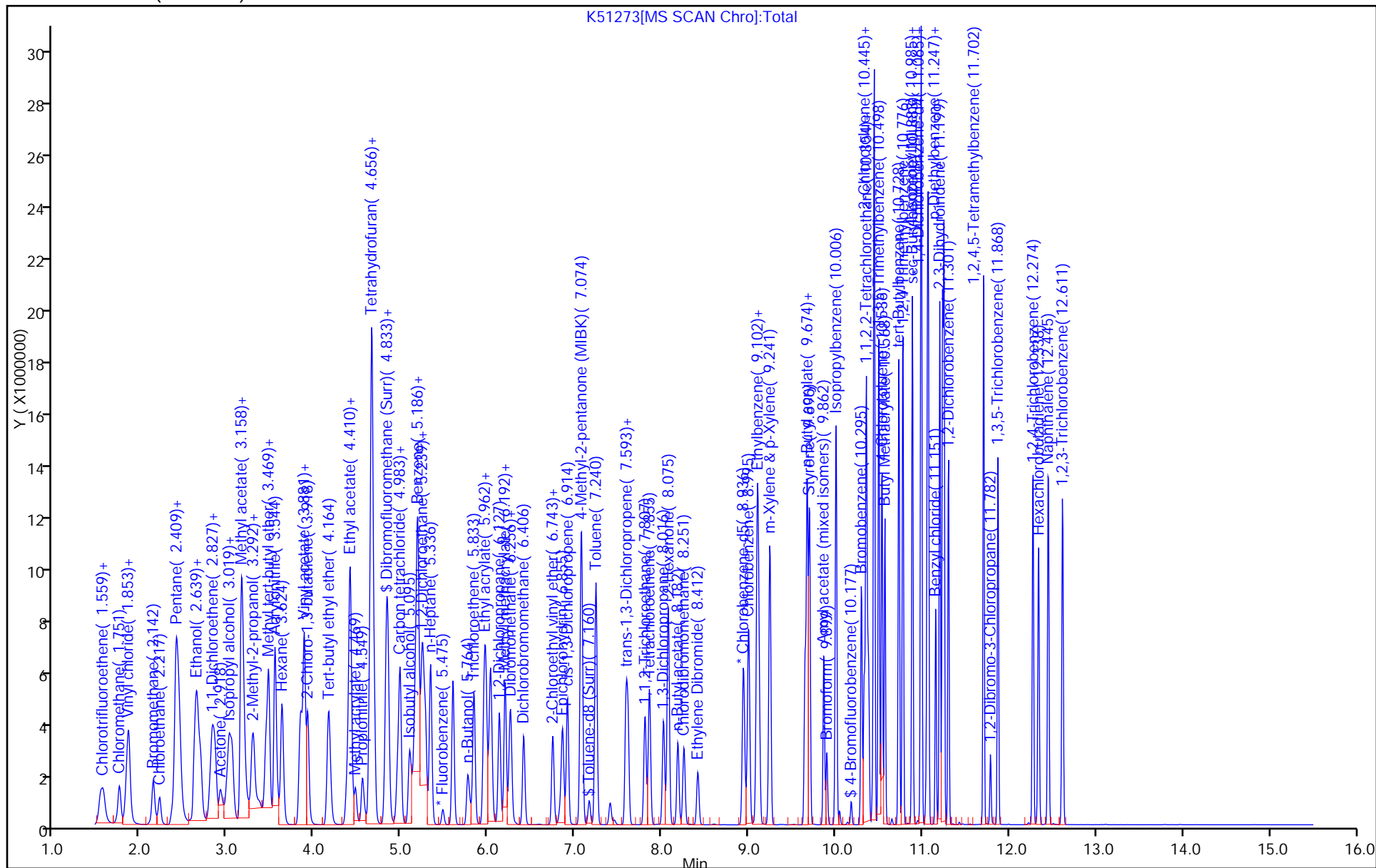
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51273.D

Injection Date: 11-Mar-2016 00:48:30

Instrument ID: CVOAMS9

Lims ID: STD500

Client ID:

Operator ID:

ALS Bottle#:

7

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260S9

Limit Group:

VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

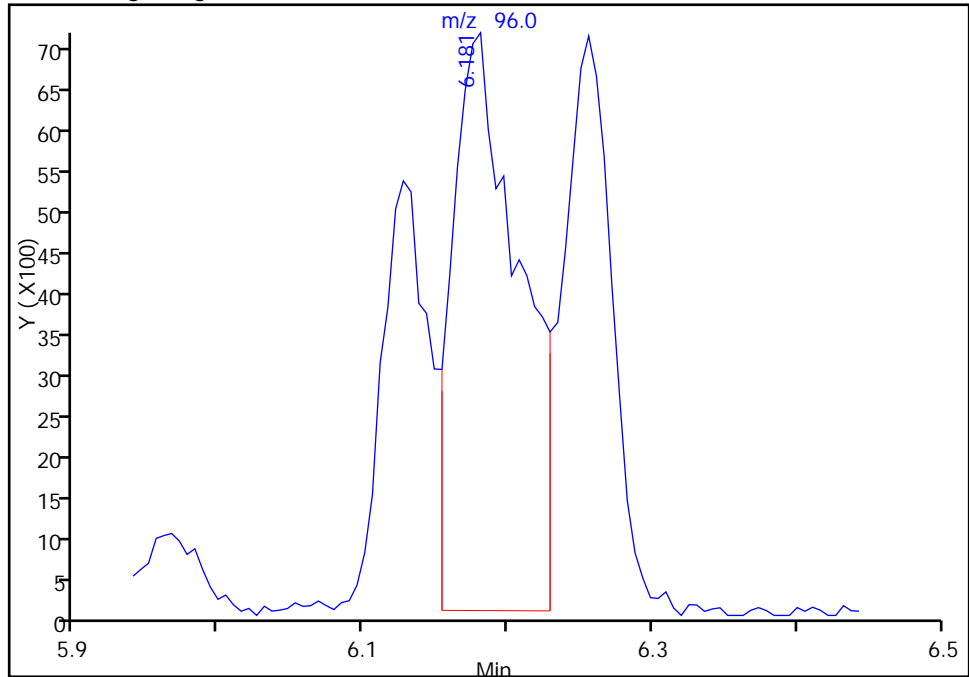
Detector

MS SCAN

* 67 1,4-Dioxane-d8, CAS: 17647-74-4

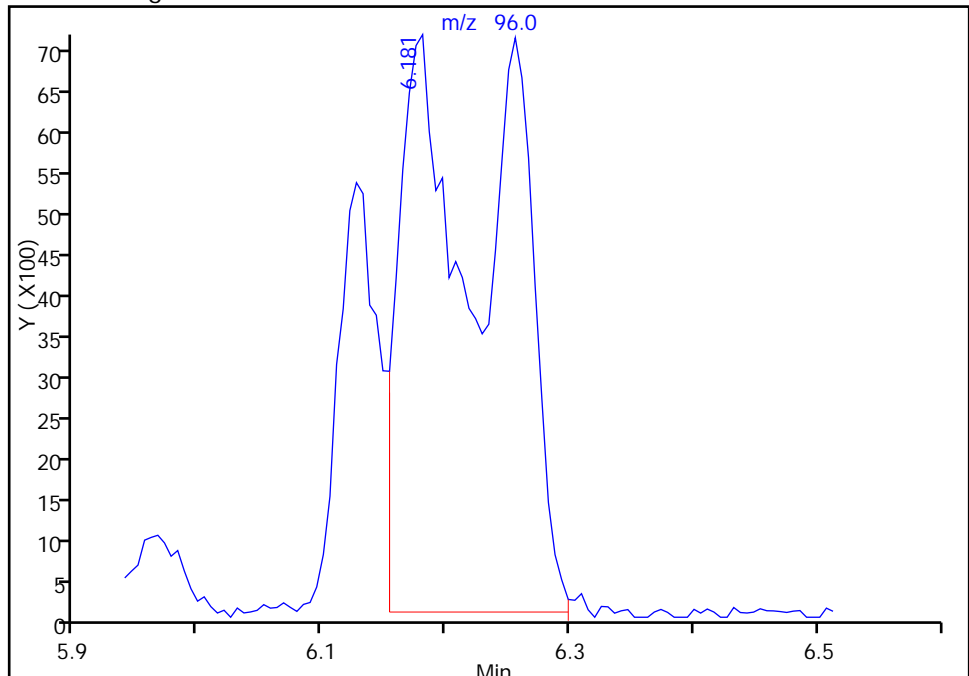
RT: 6.18
Area: 23380
Amount: 1000.0000
Amount Units: ug/l

Processing Integration Results



RT: 6.18
Area: 39002
Amount: 1000.0000
Amount Units: ug/l

Manual Integration Results



Reviewer: delpolitov, 12-Mar-2016 17:27:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Lab Sample ID: ICV 460-355383/13 Calibration Date: 03/11/2016 03:02

Instrument ID: CVOAMS9 Calib Start Date: 03/10/2016 22:34

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/11/2016 00:48

Lab File ID: K51278.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.0611	0.0592		19.4	20.0	-3.2	30.0
Dichlorodifluoromethane	Ave	0.4496	0.4095	0.1000	18.2	20.0	-8.9	30.0
Chloromethane	Ave	0.4162	0.4079	0.1000	19.6	20.0	-2.0	30.0
Vinyl chloride	Ave	0.4210	0.4143	0.1000	19.7	20.0	-1.6	30.0
Butadiene	Ave	0.3366	0.3373		20.0	20.0	0.2	30.0
Bromomethane	Ave	0.3025	0.2881	0.1000	19.0	20.0	-4.8	30.0
Chloroethane	Ave	0.2181	0.2188	0.1000	20.1	20.0	0.3	30.0
Dichlorofluoromethane	Ave	0.7306	0.7000		19.2	20.0	-4.2	30.0
Trichlorofluoromethane	Ave	0.5394	0.4820	0.1000	17.9	20.0	-10.6	30.0
Pentane	Ave	0.0533	0.0561		42.1	40.0	5.1	30.0
Ethanol	Ave	0.0538	0.0526		781	800	-2.3	30.0
Ethyl ether	Ave	0.2528	0.2579		20.4	20.0	2.0	30.0
2-Methyl-1,3-butadiene	Ave	0.2884	0.3041		21.1	20.0	5.5	30.0
1,2-Dichloro-1,1,2-trifluoroethane	Ave	0.2751	0.2630		19.1	20.0	-4.4	30.0
Acrolein	Ave	1.344	1.614		360	300	20.1	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3361	0.3273	0.1000	19.5	20.0	-2.6	30.0
1,1-Dichloroethene	Ave	0.3236	0.3141	0.1000	19.4	20.0	-2.9	30.0
Acetone	Ave	0.9890	0.9013	0.0500	91.1	100	-8.9	30.0
Iodomethane	Ave	0.5995	0.5769		19.2	20.0	-3.8	30.0
Isopropyl alcohol	Ave	0.6718	0.7556		225	200	12.5	30.0
Carbon disulfide	Ave	1.281	1.247	0.1000	19.5	20.0	-2.6	30.0
Allyl chloride	Ave	0.1937	0.1859		19.2	20.0	-4.0	30.0
Methyl acetate	Ave	0.2435	0.2638	0.1000	108	100	8.3	30.0
Cyclopentene	Ave	0.8206	0.8585		20.9	20.0	4.6	30.0
Acetonitrile	Ave	1.450	1.446		199	200	-0.3	30.0
Methylene Chloride	Ave	0.3854	0.3734	0.1000	19.4	20.0	-3.1	30.0
2-Methyl-2-propanol	QuaF		1.377		205	200	2.3	30.0
Methyl tert-butyl ether	Ave	0.9581	0.9774	0.1000	20.4	20.0	2.0	30.0
trans-1,2-Dichloroethene	Ave	0.3329	0.3318	0.1000	19.9	20.0	-0.3	30.0
Acrylonitrile	Ave	0.1231	0.1349		219	200	9.6	30.0
Hexane	Ave	0.3020	0.3245		21.5	20.0	7.5	30.0
Isopropyl ether	Ave	1.037	1.143		22.0	20.0	10.2	30.0
1,1-Dichloroethane	Ave	0.6250	0.6154	0.2000	19.7	20.0	-1.5	30.0
Vinyl acetate	Ave	0.6158	0.6013		39.1	40.0	-2.4	30.0
2-Chloro-1,3-butadiene	Ave	0.2829	0.2769		19.6	20.0	-2.1	30.0
Tert-butyl ethyl ether	Ave	0.9858	1.032		20.9	20.0	4.7	30.0
2,2-Dichloropropane	Ave	0.1417	0.1428		20.1	20.0	0.7	30.0
cis-1,2-Dichloroethene	Ave	0.3682	0.3591	0.1000	19.5	20.0	-2.5	30.0
Ethyl acetate	Ave	6.161	5.881		38.2	40.0	-4.5	30.0
2-Butanone (MEK)	Ave	0.3508	0.3182	0.0500	90.7	100	-9.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Lab Sample ID: ICV 460-355383/13 Calibration Date: 03/11/2016 03:02

Instrument ID: CVOAMS9 Calib Start Date: 03/10/2016 22:34

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/11/2016 00:48

Lab File ID: K51278.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl acrylate	Ave	0.2649	0.2872		21.7	20.0	8.4	30.0
Propionitrile	Ave	1.507	1.511		200	200	0.2	30.0
Tetrahydrofuran	Ave	0.4358	0.4118		37.8	40.0	-5.5	30.0
Chlorobromomethane	Ave	0.1753	0.1704		19.4	20.0	-2.8	30.0
Methacrylonitrile	Ave	0.1290	0.1374		213	200	6.5	30.0
Chloroform	Ave	0.5870	0.5716	0.2000	19.5	20.0	-2.6	30.0
Cyclohexane	Ave	0.5884	0.6289	0.1000	21.4	20.0	6.9	30.0
1,1,1-Trichloroethane	Ave	0.4848	0.4608	0.1000	19.0	20.0	-4.9	30.0
Carbon tetrachloride	Ave	0.3884	0.3754	0.1000	19.3	20.0	-3.3	30.0
1,1-Dichloropropene	Ave	0.4536	0.4397		19.4	20.0	-3.1	30.0
Isobutyl alcohol	Ave	0.4742	0.4293		453	500	-9.5	30.0
Benzene	Ave	1.913	1.965	0.5000	20.5	20.0	2.7	30.0
Isopropyl acetate	Ave	0.9531	1.009		21.2	20.0	5.9	30.0
Tert-amyl methyl ether	Ave	0.9805	1.001		20.4	20.0	2.1	30.0
1,2-Dichloroethane	Ave	0.4350	0.4118	0.1000	18.9	20.0	-5.3	30.0
n-Heptane	Ave	0.2864	0.2968		20.7	20.0	3.6	30.0
n-Butanol	Ave	0.3029	0.2930		484	500	-3.3	30.0
Trichloroethene	Ave	0.3334	0.3266	0.2000	19.6	20.0	-2.0	30.0
Ethyl acrylate	Ave	0.8223	0.8519		20.7	20.0	3.6	30.0
Methylcyclohexane	Ave	0.5793	0.6022	0.1000	20.8	20.0	3.9	30.0
1,2-Dichloropropane	Ave	0.3381	0.3347	0.1000	19.8	20.0	-1.0	30.0
Methyl methacrylate	Ave	0.2567	0.2632		41.0	40.0	2.5	30.0
1,4-Dioxane	Ave	1.481	1.545		418	400	4.4	30.0
n-Propyl acetate	Ave	0.4347	0.4640		21.3	20.0	6.7	30.0
Dibromomethane	Ave	0.2157	0.2018		18.7	20.0	-6.4	30.0
Dichlorobromomethane	Ave	0.4220	0.4003	0.2000	19.0	20.0	-5.1	30.0
2-Chloroethyl vinyl ether	Ave	0.1864	0.1879		20.2	20.0	0.8	30.0
2-Nitropropane	QuaF		0.0612		39.6	40.0	-1.0	30.0
Epichlorohydrin	Ave	0.2945	0.3402		23.1	20.0	15.5	30.0
cis-1,3-Dichloropropene	Ave	0.7381	0.7239	0.2000	19.6	20.0	-1.9	30.0
4-Methyl-2-pentanone (MIBK)	Ave	2.917	2.816	0.0500	96.6	100	-3.4	30.0
Toluene	Ave	1.977	2.291	0.4000	23.2	20.0	15.8	30.0
trans-1,3-Dichloropropene	Ave	0.6136	0.5900	0.1000	19.2	20.0	-3.8	30.0
Ethyl methacrylate	Ave	0.5182	0.5330		20.6	20.0	2.9	30.0
1,1,2-Trichloroethane	Ave	0.3482	0.3409	0.1000	19.6	20.0	-2.1	30.0
Tetrachloroethene	Ave	0.4308	0.4105	0.2000	19.1	20.0	-4.7	30.0
1,3-Dichloropropane	Ave	0.6453	0.6342		19.7	20.0	-1.7	30.0
2-Hexanone	Ave	1.929	1.806	0.0500	93.6	100	-6.4	30.0
n-Butyl acetate	Ave	0.6286	0.7031		22.4	20.0	11.9	30.0
Chlorodibromomethane	Ave	0.4264	0.3926	0.1000	18.4	20.0	-7.9	30.0
Ethylene Dibromide	Ave	0.3883	0.3963	0.1000	20.4	20.0	2.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111954-1
 SDG No.: _____
 Lab Sample ID: ICV 460-355383/13 Calibration Date: 03/11/2016 03:02
 Instrument ID: CVOAMS9 Calib Start Date: 03/10/2016 22:34
 GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/11/2016 00:48
 Lab File ID: K51278.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorobenzene	Ave	1.220	1.164	0.5000	19.1	20.0	-4.6	30.0
Ethylbenzene	Ave	0.6469	0.6375	0.1000	19.7	20.0	-1.5	30.0
1,1,1,2-Tetrachloroethane	Ave	0.4278	0.4065		19.0	20.0	-5.0	30.0
m-Xylene & p-Xylene	Ave	0.7956	0.7769	0.1000	19.5	20.0	-2.4	30.0
n-Butyl acrylate	Ave	0.3040	0.3064		20.2	20.0	0.8	30.0
o-Xylene	Ave	0.8247	0.8089	0.3000	19.6	20.0	-1.9	30.0
Styrene	Ave	1.302	1.277	0.3000	19.6	20.0	-2.0	30.0
Amyl acetate (mixed isomers)	Ave	1.390	1.557		22.4	20.0	12.0	30.0
Bromoform	Ave	0.2534	0.2419	0.1000	19.1	20.0	-4.6	30.0
Isopropylbenzene	Ave	2.101	2.162	0.1000	20.6	20.0	2.9	30.0
Bromobenzene	Ave	0.9637	0.9229		19.2	20.0	-4.2	30.0
1,1,2,2-Tetrachloroethane	Ave	1.149	1.151	0.3000	20.0	20.0	0.1	30.0
N-Propylbenzene	Ave	4.995	5.019		20.1	20.0	0.5	30.0
1,2,3-Trichloropropane	Ave	0.2741	0.2732		19.9	20.0	-0.3	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2838	0.2883		20.3	20.0	1.6	30.0
2-Chlorotoluene	Ave	3.352	3.320		19.8	20.0	-1.0	30.0
4-Ethyltoluene	Ave	3.913	4.010		20.5	20.0	2.5	30.0
1,3,5-Trimethylbenzene	Ave	3.502	3.466		19.8	20.0	-1.0	30.0
4-Chlorotoluene	Ave	2.939	2.871		19.5	20.0	-2.3	30.0
Butyl Methacrylate	Ave	1.046	1.089		20.8	20.0	4.2	30.0
tert-Butylbenzene	Ave	2.785	2.766		19.9	20.0	-0.7	30.0
1,2,4-Trimethylbenzene	Ave	3.600	3.560		19.8	20.0	-1.1	30.0
sec-Butylbenzene	Ave	4.581	4.668		20.4	20.0	1.9	30.0
4-Isopropyltoluene	Ave	3.848	3.833		19.9	20.0	-0.4	30.0
1,3-Dichlorobenzene	Ave	1.893	1.829	0.6000	19.3	20.0	-3.4	30.0
1,4-Dichlorobenzene	Ave	1.912	1.845	0.5000	19.3	20.0	-3.5	30.0
Benzyl chloride	Ave	1.768	1.604		18.1	20.0	-9.3	30.0
Indan	Ave	3.631	3.612		19.9	20.0	-0.5	30.0
p-Diethylbenzene	Ave	2.197	2.284		20.8	20.0	4.0	30.0
n-Butylbenzene	Ave	4.573	4.682		20.5	20.0	2.4	30.0
1,2-Dichlorobenzene	Ave	1.910	1.843	0.4000	19.3	20.0	-3.5	30.0
1,2,4,5-Tetramethylbenzene	Ave	3.620	3.745		20.7	20.0	3.5	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2323	0.2415	0.0500	20.8	20.0	4.0	30.0
1,3,5-Trichlorobenzene	Ave	1.519	1.522		20.0	20.0	0.2	30.0
1,2,4-Trichlorobenzene	Ave	1.514	1.487	0.2000	19.6	20.0	-1.8	30.0
Hexachlorobutadiene	Ave	0.6821	0.6471		19.0	20.0	-5.1	30.0
Naphthalene	Ave	4.002	4.096		20.5	20.0	2.3	30.0
1,2,3-Trichlorobenzene	Ave	1.529	1.478		19.3	20.0	-3.4	30.0
2,2,4-Trimethylpentane	None				1.00	20.0	-100.0*	30.0
Dibromofluoromethane (Surr)	Ave	0.3311	0.3020		45.6	50.0	-8.8	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3785	0.3354		44.3	50.0	-11.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111954-1
SDG No.: _____
Lab Sample ID: ICV 460-355383/13 Calibration Date: 03/11/2016 03:02
Instrument ID: CVOAMS9 Calib Start Date: 03/10/2016 22:34
GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/11/2016 00:48
Lab File ID: K51278.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene-d8 (Surr)	Ave	1.744	1.602		45.9	50.0	-8.1	30.0
4-Bromofluorobenzene	Ave	0.4693	0.4231		45.1	50.0	-9.8	30.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51278.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 11-Mar-2016 03:02:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICV
 Misc. Info.: 460-0038298-013
 Operator ID: Instrument ID: CVOAMS9
 Sublist:
 Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\8260S9.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 12-Mar-2016 17:58:59 Calib Date: 11-Mar-2016 00:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51273.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK001

First Level Reviewer: delpolitov

Date: 12-Mar-2016 17:45:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.543	1.537	0.006	91	12553	20.0	19.4	
2 Dichlorodifluoromethane	85	1.575	1.575	0.000	99	86915	20.0	18.2	
3 Chloromethane	50	1.757	1.757	0.000	99	86579	20.0	19.6	
4 Vinyl chloride	62	1.842	1.837	0.005	98	87937	20.0	19.7	
5 Butadiene	54	1.858	1.853	0.005	96	71577	20.0	20.0	
6 Bromomethane	94	2.147	2.142	0.005	99	61143	20.0	19.0	
7 Chloroethane	64	2.222	2.217	0.005	100	46436	20.0	20.1	
8 Trichlorofluoromethane	101	2.404	2.399	0.005	60	102292	20.0	17.9	
9 Dichlorofluoromethane	67	2.404	2.399	0.005	97	148556	20.0	19.2	
10 Pentane	72	2.426	2.425	0.001	96	23797	40.0	42.1	
12 Ethanol	46	2.618	2.607	0.011	78	15873	800.0	781.5	
11 Ethyl ether	59	2.623	2.618	0.005	93	54737	20.0	20.4	
13 2-Methyl-1,3-butadiene	53	2.645	2.645	0.000	97	64536	20.0	21.1	
14 1,2-Dichloro-1,1,2-trifluo	117	2.688	2.688	0.000	96	55828	20.0	19.1	
15 Acrolein	56	2.800	2.800	0.000	96	182737	300.0	360.3	
16 1,1,2-Trichloro-1,2,2-trif	101	2.816	2.811	0.005	93	69470	20.0	19.5	
17 1,1-Dichloroethene	96	2.848	2.843	0.005	95	66655	20.0	19.4	
18 Acetone	43	2.923	2.923	0.000	86	116342	100.0	91.1	
19 Iodomethane	142	3.009	2.998	0.011	98	122429	20.0	19.2	
22 Isopropyl alcohol	45	3.009	3.009	0.000	1	57042	200.0	224.9	
20 Carbon disulfide	76	3.041	3.035	0.006	99	264704	20.0	19.5	
21 3-Chloro-1-propene	76	3.158	3.158	0.000	98	39454	20.0	19.2	
23 Methyl acetate	43	3.169	3.164	0.005	100	279946	100.0	108.3	
24 Cyclopentene	67	3.180	3.180	0.000	94	182208	20.0	20.9	
29 Acetonitrile	41	3.228	3.223	0.005	92	109132	200.0	199.4	
* 25 TBA-d9 (IS)	65	3.292	3.292	0.000	99	377477	1000.0	1000.0	
26 Methylene Chloride	84	3.287	3.292	-0.005	95	79255	20.0	19.4	
27 2-Methyl-2-propanol	59	3.351	3.346	0.005	96	103941	200.0	204.7	
28 Methyl tert-butyl ether	73	3.453	3.453	0.000	97	207447	20.0	20.4	
30 trans-1,2-Dichloroethene	96	3.479	3.479	0.000	97	70411	20.0	19.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.549	3.549	0.000	93	286315	200.0	219.2	
32 Hexane	43	3.635	3.629	0.006	94	68868	20.0	21.5	
33 Isopropyl ether	45	3.843	3.843	0.000	98	242562	20.0	22.0	
34 1,1-Dichloroethane	63	3.886	3.881	0.005	100	130618	20.0	19.7	
35 Vinyl acetate	43	3.891	3.886	0.005	100	255249	40.0	39.1	
36 2-Chloro-1,3-butadiene	88	3.929	3.923	0.006	91	58767	20.0	19.6	
37 Tert-butyl ethyl ether	59	4.164	4.164	0.000	88	218992	20.0	20.9	
* 38 2-Butanone-d5	46	4.362	4.362	0.000	97	322709	250.0	250.0	
39 2,2-Dichloropropane	79	4.384	4.383	0.001	96	30297	20.0	20.1	
40 cis-1,2-Dichloroethene	96	4.410	4.405	0.005	94	76211	20.0	19.5	
41 Ethyl acetate	43	4.416	4.416	0.000	93	303647	40.0	38.2	
42 2-Butanone (MEK)	72	4.421	4.421	0.000	96	41075	100.0	90.7	
44 Methyl acrylate	55	4.474	4.480	-0.006	99	60946	20.0	21.7	
43 Propionitrile	54	4.560	4.549	0.011	98	114068	200.0	200.5	
45 Tetrahydrofuran	72	4.635	4.635	0.000	66	21264	40.0	37.8	
46 Chlorobromomethane	128	4.640	4.640	0.000	89	36157	20.0	19.4	
47 Methacrylonitrile	67	4.656	4.656	0.000	93	291695	200.0	213.1	
48 Chloroform	83	4.688	4.688	0.000	98	121322	20.0	19.5	
49 Cyclohexane	56	4.828	4.827	0.001	95	133479	20.0	21.4	
50 1,1,1-Trichloroethane	97	4.838	4.838	0.000	96	97796	20.0	19.0	
\$ 51 Dibromofluoromethane (Surr	113	4.849	4.844	0.005	0	160245	50.0	45.6	
52 Carbon tetrachloride	117	4.967	4.961	0.006	97	79678	20.0	19.3	
53 1,1-Dichloropropene	75	4.988	4.988	0.000	97	93329	20.0	19.4	
56 Isobutyl alcohol	43	5.095	5.100	-0.005	94	81030	500.0	452.7	
54 Benzene	78	5.191	5.186	0.005	96	274915	20.0	20.5	
\$ 55 1,2-Dichloroethane-d4 (Sur	65	5.207	5.202	0.005	96	177967	50.0	44.3	
57 Isopropyl acetate	43	5.234	5.234	0.000	96	214219	20.0	21.2	
58 Tert-amyl methyl ether	73	5.250	5.245	0.005	94	212543	20.0	20.4	
59 1,2-Dichloroethane	62	5.282	5.282	0.000	96	87404	20.0	18.9	
60 n-Heptane	57	5.341	5.336	0.005	95	63001	20.0	20.7	
* 61 Fluorobenzene	96	5.480	5.475	0.005	98	530595	50.0	50.0	
62 n-Butanol	56	5.764	5.769	-0.005	91	55306	500.0	483.7	
63 Trichloroethene	95	5.839	5.833	0.006	98	69326	20.0	19.6	
64 Ethyl acrylate	55	5.951	5.956	-0.005	98	180811	20.0	20.7	
65 Methylcyclohexane	83	5.967	5.967	0.000	94	127803	20.0	20.8	
66 1,2-Dichloropropane	63	6.128	6.127	0.001	91	71041	20.0	19.8	
* 67 1,4-Dioxane-d8	96	6.186	6.170	0.016	42	28880	1000.0	1000.0	
68 Methyl methacrylate	41	6.192	6.192	0.000	93	111729	40.0	41.0	
69 1,4-Dioxane	88	6.235	6.234	0.001	89	17853	400.0	417.5	
70 n-Propyl acetate	43	6.245	6.245	0.000	99	98480	20.0	21.3	
71 Dibromomethane	93	6.261	6.256	0.005	94	42834	20.0	18.7	
72 Dichlorobromomethane	83	6.406	6.406	0.000	100	84949	20.0	19.0	
73 2-Chloroethyl vinyl ether	63	6.743	6.737	0.006	81	39876	20.0	20.2	
74 2-Nitropropane	41	6.743	6.743	0.000	78	25968	40.0	39.6	
75 Epichlorohydrin	57	6.850	6.850	0.000	98	8784	20.0	23.1	
76 cis-1,3-Dichloropropene	75	6.909	6.909	0.000	93	101306	20.0	19.6	
77 4-Methyl-2-pentanone (MIBK	43	7.069	7.069	0.000	97	363555	100.0	96.6	
\$ 78 Toluene-d8 (Surr)	98	7.160	7.160	0.000	99	560393	50.0	45.9	
79 Toluene	91	7.240	7.235	0.005	93	320554	20.0	23.2	
80 trans-1,3-Dichloropropene	75	7.583	7.583	0.000	97	82569	20.0	19.2	
81 Ethyl methacrylate	69	7.604	7.609	-0.005	90	74581	20.0	20.6	
82 1,1,2-Trichloroethane	83	7.802	7.802	0.000	96	47708	20.0	19.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.855	7.855	0.000	94	57444	20.0	19.1	
84 1,3-Dichloropropane	76	8.016	8.016	0.000	94	88742	20.0	19.7	
85 2-Hexanone	43	8.069	8.069	0.000	98	233087	100.0	93.6	
86 n-Butyl acetate	43	8.187	8.182	0.005	99	98391	20.0	22.4	
87 Chlorodibromomethane	129	8.251	8.251	0.000	97	54934	20.0	18.4	
88 Ethylene Dibromide	107	8.412	8.412	0.000	98	55453	20.0	20.4	
* 89 Chlorobenzene-d5	117	8.963	8.957	0.006	88	349847	50.0	50.0	
90 Chlorobenzene	112	9.000	8.995	0.005	94	162834	20.0	19.1	
92 Ethylbenzene	106	9.097	9.097	0.000	99	89209	20.0	19.7	
91 1,1,1,2-Tetrachloroethane	131	9.113	9.113	0.000	96	56887	20.0	19.0	
93 m-Xylene & p-Xylene	106	9.241	9.241	0.000	97	108718	20.0	19.5	
94 n-Butyl acrylate	73	9.648	9.648	0.000	97	42873	20.0	20.2	
95 o-Xylene	106	9.669	9.669	0.000	93	113193	20.0	19.6	
96 Styrene	104	9.696	9.696	0.000	95	178640	20.0	19.6	
97 Amyl acetate (mixed isomer	43	9.862	9.862	0.000	89	113940	20.0	22.4	
98 Bromoform	173	9.899	9.899	0.000	95	33846	20.0	19.1	
99 Isopropylbenzene	105	10.001	10.001	0.000	96	302528	20.0	20.6	
\$ 100 4-Bromofluorobenzene	174	10.183	10.183	0.000	89	148034	50.0	45.1	
101 Bromobenzene	156	10.295	10.295	0.000	97	67525	20.0	19.2	
102 1,1,2,2-Tetrachloroethane	83	10.327	10.327	0.000	99	84215	20.0	20.0	
103 N-Propylbenzene	91	10.348	10.348	0.000	98	367232	20.0	20.1	
104 1,2,3-Trichloropropane	110	10.370	10.370	0.000	96	19989	20.0	19.9	
105 trans-1,4-Dichloro-2-buten	53	10.381	10.380	0.001	88	21091	20.0	20.3	
106 2-Chlorotoluene	91	10.439	10.439	0.000	97	242914	20.0	19.8	
107 4-Ethyltoluene	105	10.445	10.445	0.000	98	293405	20.0	20.5	
108 1,3,5-Trimethylbenzene	105	10.493	10.493	0.000	93	253626	20.0	19.8	
109 4-Chlorotoluene	91	10.530	10.530	0.000	98	210099	20.0	19.5	
110 Butyl Methacrylate	87	10.568	10.568	0.000	93	79708	20.0	20.8	
111 tert-Butylbenzene	119	10.728	10.728	0.000	93	202402	20.0	19.9	
112 1,2,4-Trimethylbenzene	105	10.771	10.771	0.000	98	260445	20.0	19.8	
113 sec-Butylbenzene	105	10.883	10.883	0.000	99	341578	20.0	20.4	
114 4-Isopropyltoluene	119	10.980	10.980	0.000	98	280446	20.0	19.9	
115 1,3-Dichlorobenzene	146	10.990	10.990	0.000	95	133824	20.0	19.3	
* 116 1,4-Dichlorobenzene-d4	152	11.039	11.039	0.001	95	182919	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.055	11.055	0.000	94	135028	20.0	19.3	
118 Benzyl chloride	91	11.151	11.151	0.000	98	117339	20.0	18.1	
119 2,3-Dihydroindene	117	11.199	11.199	0.000	94	264278	20.0	19.9	
120 p-Diethylbenzene	119	11.231	11.231	0.000	92	167144	20.0	20.8	
121 n-Butylbenzene	91	11.247	11.247	0.000	97	342536	20.0	20.5	
122 1,2-Dichlorobenzene	146	11.295	11.301	-0.006	95	134833	20.0	19.3	
123 1,2,4,5-Tetramethylbenzene	119	11.702	11.702	0.000	97	274012	20.0	20.7	
124 1,2-Dibromo-3-Chloropropan	75	11.782	11.782	0.000	95	17672	20.0	20.8	
125 1,3,5-Trichlorobenzene	180	11.868	11.868	0.000	96	111357	20.0	20.0	
126 1,2,4-Trichlorobenzene	180	12.269	12.274	-0.005	93	108803	20.0	19.6	
127 Hexachlorobutadiene	225	12.333	12.333	0.000	92	47346	20.0	19.0	
128 Naphthalene	128	12.446	12.445	0.001	99	299688	20.0	20.5	
129 1,2,3-Trichlorobenzene	180	12.611	12.611	0.000	95	108110	20.0	19.3	
S 131 Xylenes, Total	100				0		40.0	39.1	
S 132 Total BTEX	1				0		100.0	102.6	

Reagents:

GAS C SP_00136	Amount Added: 2.00	Units: uL	
8260 SP_00047	Amount Added: 2.00	Units: uL	
ACROLEIN SP_00049	Amount Added: 3.00	Units: uL	
8260ISNEW_00059	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00116	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CVOAMS9\\20160310-38298.b\\K51278.D

Injection Date: 11-Mar-2016 03:02:30

Instrument ID: CVOAMS9

Operator ID:

Lims ID: ICV

Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL

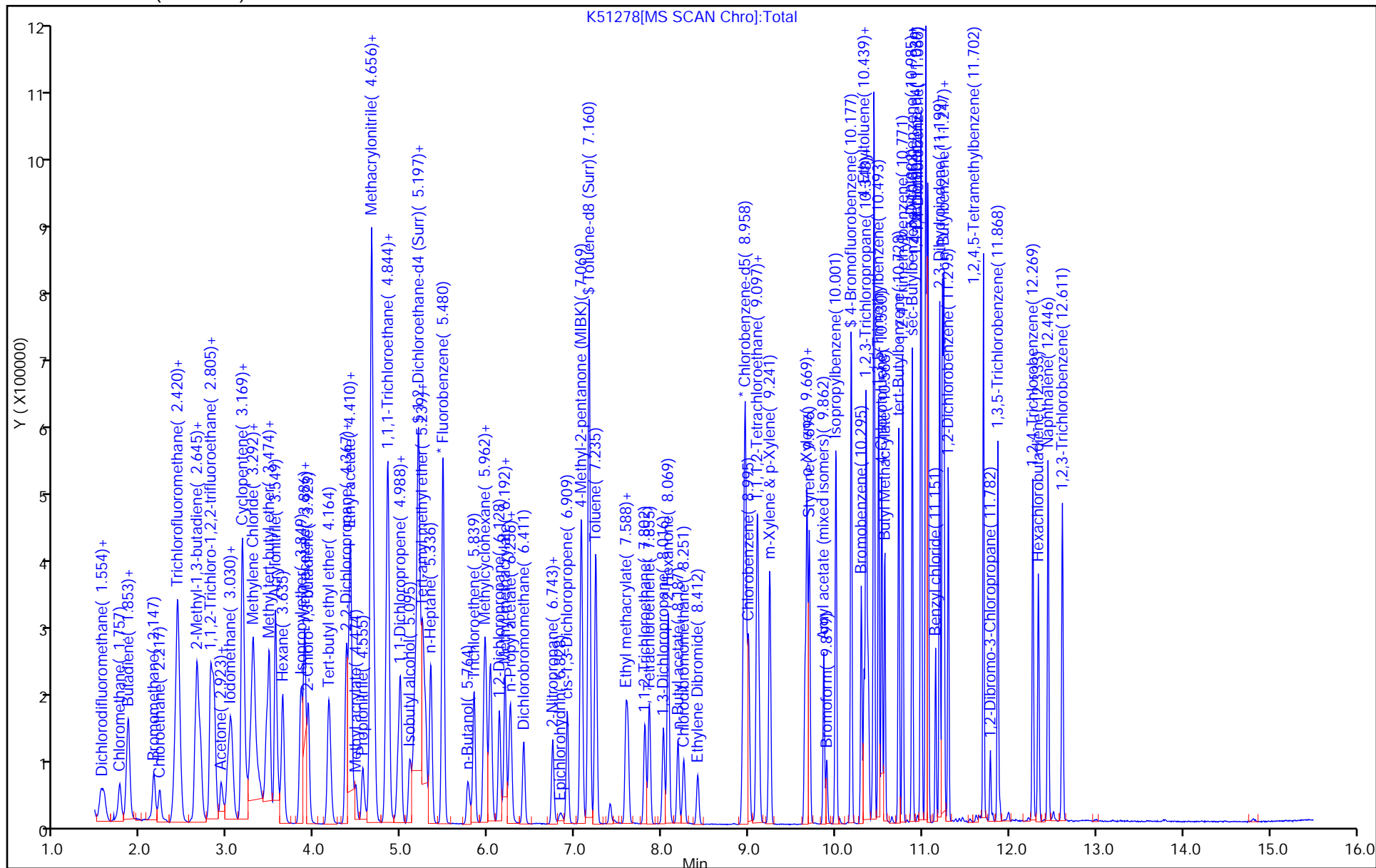
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Lab Sample ID: CCVIS 460-361975/2 Calibration Date: 04/11/2016 21:07

Instrument ID: CVOAMS9 Calib Start Date: 03/10/2016 22:34

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/11/2016 00:48

Lab File ID: K52539.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.0611	0.0672		22.0	20.0	10.1	20.0
Dichlorodifluoromethane	Ave	0.4496	0.3964	0.1000	17.6	20.0	-11.8	20.0
Chloromethane	Ave	0.4162	0.4413	0.1000	21.2	20.0	6.0	20.0
Vinyl chloride	Ave	0.4210	0.4024	0.1000	19.1	20.0	-4.4	20.0
Butadiene	Ave	0.3366	0.3355		19.9	20.0	-0.3	20.0
Bromomethane	Ave	0.3025	0.2569	0.1000	17.0	20.0	-15.1	50.0
Chloroethane	Ave	0.2181	0.2052	0.1000	18.8	20.0	-5.9	50.0
Dichlorofluoromethane	Ave	0.7306	0.6260		17.1	20.0	-14.3	20.0
Trichlorofluoromethane	Ave	0.5394	0.4233	0.1000	15.7	20.0	-21.5*	20.0
Pentane	Ave	0.0533	0.0490		36.7	40.0	-8.2	20.0
Ethanol	Ave	0.0538	0.0493		732	800	-8.5	50.0
Ethyl ether	Ave	0.2528	0.2591		20.5	20.0	2.5	20.0
2-Methyl-1,3-butadiene	Ave	0.2884	0.2864		19.9	20.0	-0.7	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2751	0.2617		19.0	20.0	-4.9	20.0
Acrolein	Ave	1.344	1.741		389	300	29.6	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.3361	0.3103	0.1000	18.5	20.0	-7.7	20.0
1,1-Dichloroethene	Ave	0.3236	0.2902	0.1000	17.9	20.0	-10.3	20.0
Acetone	Ave	0.9890	0.9211	0.0500	93.1	100	-6.9	50.0
Iodomethane	Ave	0.5995	0.5272		17.6	20.0	-12.1	20.0
Isopropyl alcohol	Ave	0.6718	0.7546		225	200	12.3	50.0
Carbon disulfide	Ave	1.281	1.184	0.1000	18.5	20.0	-7.6	50.0
Allyl chloride	Ave	0.1937	0.1819		18.8	20.0	-6.1	20.0
Methyl acetate	Ave	0.2435	0.2723	0.1000	112	100	11.8	20.0
Cyclopentene	Ave	0.8206	0.8144		19.8	20.0	-0.8	20.0
Acetonitrile	Ave	1.450	1.516		209	200	4.6	20.0
Methylene Chloride	Ave	0.3854	0.3610	0.1000	18.7	20.0	-6.3	20.0
2-Methyl-2-propanol	QuaF		1.309		195	200	-2.7	50.0
Methyl tert-butyl ether	Ave	0.9581	0.9682	0.1000	20.2	20.0	1.1	20.0
trans-1,2-Dichloroethene	Ave	0.3329	0.3134	0.1000	18.8	20.0	-5.9	20.0
Acrylonitrile	Ave	0.1231	0.1331		216	200	8.1	20.0
Hexane	Ave	0.3020	0.3099		20.5	20.0	2.6	20.0
Isopropyl ether	Ave	1.037	1.170		22.6	20.0	12.9	20.0
1,1-Dichloroethane	Ave	0.6250	0.6232	0.2000	19.9	20.0	-0.3	20.0
Vinyl acetate	Ave	0.6158	0.6663		43.3	40.0	8.2	20.0
2-Chloro-1,3-butadiene	Ave	0.2829	0.2723		19.2	20.0	-3.8	20.0
Tert-butyl ethyl ether	Ave	0.9858	1.027		20.8	20.0	4.2	20.0
2,2-Dichloropropane	Ave	0.1417	0.1426		20.1	20.0	0.6	20.0
cis-1,2-Dichloroethene	Ave	0.3682	0.3453	0.1000	18.8	20.0	-6.2	20.0
Ethyl acetate	Ave	6.161	5.776		37.5	40.0	-6.2	20.0
2-Butanone (MEK)	Ave	0.3508	0.2999	0.0500	85.5	100	-14.5	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Lab Sample ID: CCVIS 460-361975/2 Calibration Date: 04/11/2016 21:07

Instrument ID: CVOAMS9 Calib Start Date: 03/10/2016 22:34

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/11/2016 00:48

Lab File ID: K52539.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl acrylate	Ave	0.2649	0.2662		20.1	20.0	0.5	20.0
Propionitrile	Ave	1.507	1.527		203	200	1.3	20.0
Tetrahydrofuran	Ave	0.4358	0.3678		33.8	40.0	-15.6	20.0
Chlorobromomethane	Ave	0.1753	0.1619		18.5	20.0	-7.7	20.0
Methacrylonitrile	Ave	0.1290	0.1345		209	200	4.3	20.0
Chloroform	Ave	0.5870	0.5529	0.2000	18.8	20.0	-5.8	20.0
Cyclohexane	Ave	0.5884	0.5864	0.1000	19.9	20.0	-0.3	50.0
1,1,1-Trichloroethane	Ave	0.4848	0.4514	0.1000	18.6	20.0	-6.9	20.0
Carbon tetrachloride	Ave	0.3884	0.3557	0.1000	18.3	20.0	-8.4	20.0
1,1-Dichloropropene	Ave	0.4536	0.4335		19.1	20.0	-4.4	20.0
Isobutyl alcohol	Ave	0.4742	0.5322		561	500	12.2	50.0
Benzene	Ave	1.913	1.913	0.5000	20.0	20.0	0.0	20.0
Isopropyl acetate	Ave	0.9531	1.065		22.4	20.0	11.8	20.0
Tert-amyl methyl ether	Ave	0.9805	1.006		20.5	20.0	2.6	20.0
1,2-Dichloroethane	Ave	0.4350	0.4198	0.1000	19.3	20.0	-3.5	20.0
n-Heptane	Ave	0.2864	0.2834		19.8	20.0	-1.1	20.0
n-Butanol	Ave	0.3029	0.3095		511	500	2.2	50.0
Trichloroethene	Ave	0.3334	0.3067	0.2000	18.4	20.0	-8.0	20.0
Ethyl acrylate	Ave	0.8223	0.8159		19.8	20.0	-0.8	20.0
Methylcyclohexane	Ave	0.5793	0.5315	0.1000	18.3	20.0	-8.3	50.0
1,2-Dichloropropane	Ave	0.3381	0.3315	0.1000	19.6	20.0	-2.0	20.0
Methyl methacrylate	Ave	0.2567	0.2790		43.5	40.0	8.7	20.0
1,4-Dioxane	Ave	1.481	1.548		418	400	4.6	50.0
n-Propyl acetate	Ave	0.4347	0.4916		22.6	20.0	13.1	20.0
Dibromomethane	Ave	0.2157	0.1936		18.0	20.0	-10.2	20.0
Dichlorobromomethane	Ave	0.4220	0.3949	0.2000	18.7	20.0	-6.4	20.0
2-Chloroethyl vinyl ether	Ave	0.1864	0.1872		20.1	20.0	0.4	20.0
2-Nitropropane	QuaF		0.0728		47.0	40.0	17.6	20.0
Epichlorohydrin	Ave	0.2945	0.2623		356	400	-10.9	20.0
cis-1,3-Dichloropropene	Ave	0.7381	0.7062	0.2000	19.1	20.0	-4.3	50.0
4-Methyl-2-pentanone (MIBK)	Ave	2.917	2.829	0.0500	97.0	100	-3.0	50.0
Toluene	Ave	1.977	1.868	0.4000	18.9	20.0	-5.5	20.0
trans-1,3-Dichloropropene	Ave	0.6136	0.5805	0.1000	18.9	20.0	-5.4	50.0
Ethyl methacrylate	Ave	0.5182	0.5200		20.1	20.0	0.4	20.0
1,1,2-Trichloroethane	Ave	0.3482	0.3280	0.1000	18.8	20.0	-5.8	20.0
Tetrachloroethene	Ave	0.4308	0.3927	0.2000	18.2	20.0	-8.9	20.0
1,3-Dichloropropane	Ave	0.6453	0.6300		19.5	20.0	-2.4	20.0
2-Hexanone	Ave	1.929	1.823	0.0500	94.5	100	-5.5	50.0
n-Butyl acetate	Ave	0.6286	0.7173		22.8	20.0	14.1	20.0
Chlorodibromomethane	Ave	0.4264	0.3939	0.1000	18.5	20.0	-7.6	50.0
Ethylene Dibromide	Ave	0.3883	0.3694	0.1000	19.0	20.0	-4.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111954-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-361975/2 Calibration Date: 04/11/2016 21:07
 Instrument ID: CVOAMS9 Calib Start Date: 03/10/2016 22:34
 GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/11/2016 00:48
 Lab File ID: K52539.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorobenzene	Ave	1.220	1.143	0.5000	18.7	20.0	-6.3	20.0
Ethylbenzene	Ave	0.6469	0.6317	0.1000	19.5	20.0	-2.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4278	0.3966		18.5	20.0	-7.3	20.0
m-Xylene & p-Xylene	Ave	0.7956	0.7660	0.1000	19.3	20.0	-3.7	20.0
n-Butyl acrylate	Ave	0.3040	0.3038		20.0	20.0	-0.0	20.0
o-Xylene	Ave	0.8247	0.8136	0.3000	19.7	20.0	-1.3	20.0
Styrene	Ave	1.302	1.285	0.3000	19.7	20.0	-1.3	20.0
Amyl acetate (mixed isomers)	Ave	1.390	1.686		24.3	20.0	21.3*	20.0
Bromoform	Ave	0.2534	0.2240	0.1000	17.7	20.0	-11.6	20.0
Isopropylbenzene	Ave	2.101	2.047	0.1000	19.5	20.0	-2.6	20.0
Bromobenzene	Ave	0.9637	0.9019		18.7	20.0	-6.4	20.0
1,1,2,2-Tetrachloroethane	Ave	1.149	1.127	0.3000	19.6	20.0	-2.0	20.0
N-Propylbenzene	Ave	4.995	4.860		19.5	20.0	-2.7	20.0
1,2,3-Trichloropropane	Ave	0.2741	0.2731		19.9	20.0	-0.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2838	0.3056		21.5	20.0	7.7	20.0
2-Chlorotoluene	Ave	3.352	3.286		19.6	20.0	-2.0	20.0
4-Ethyltoluene	Ave	3.913	3.872		19.8	20.0	-1.0	20.0
1,3,5-Trimethylbenzene	Ave	3.502	3.298		18.8	20.0	-5.8	20.0
4-Chlorotoluene	Ave	2.939	2.844		19.4	20.0	-3.2	20.0
Butyl Methacrylate	Ave	1.046	1.091		20.9	20.0	4.3	20.0
tert-Butylbenzene	Ave	2.785	2.489		17.9	20.0	-10.7	20.0
1,2,4-Trimethylbenzene	Ave	3.600	3.436		19.1	20.0	-4.5	20.0
sec-Butylbenzene	Ave	4.581	4.307		18.8	20.0	-6.0	20.0
4-Isopropyltoluene	Ave	3.848	3.569		18.5	20.0	-7.3	20.0
1,3-Dichlorobenzene	Ave	1.893	1.763	0.6000	18.6	20.0	-6.8	20.0
1,4-Dichlorobenzene	Ave	1.912	1.796	0.5000	18.8	20.0	-6.0	20.0
Benzyl chloride	Ave	1.768	1.801		20.4	20.0	1.9	50.0
Indan	Ave	3.631	3.632		20.0	20.0	0.0	20.0
p-Diethylbenzene	Ave	2.197	2.166		19.7	20.0	-1.4	20.0
n-Butylbenzene	Ave	4.573	4.403		19.3	20.0	-3.7	20.0
1,2-Dichlorobenzene	Ave	1.910	1.813	0.4000	19.0	20.0	-5.1	20.0
1,2,4,5-Tetramethylbenzene	Ave	3.620	3.458		19.1	20.0	-4.5	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2323	0.2327	0.0500	20.0	20.0	0.2	50.0
1,3,5-Trichlorobenzene	Ave	1.519	1.368		18.0	20.0	-9.9	20.0
1,2,4-Trichlorobenzene	Ave	1.514	1.336	0.2000	17.7	20.0	-11.7	20.0
Hexachlorobutadiene	Ave	0.6821	0.5280		15.5	20.0	-22.6*	20.0
Naphthalene	Ave	4.002	3.857		19.3	20.0	-3.6	50.0
1,2,3-Trichlorobenzene	Ave	1.529	1.308		17.1	20.0	-14.5	20.0
Dibromofluoromethane (Surr)	Ave	0.3311	0.3233		48.8	50.0	-2.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3785	0.3686		48.7	50.0	-2.6	20.0
Toluene-d8 (Surr)	Ave	1.744	1.796		51.5	50.0	3.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111954-1
SDG No.: _____
Lab Sample ID: CCVIS 460-361975/2 Calibration Date: 04/11/2016 21:07
Instrument ID: CVOAMS9 Calib Start Date: 03/10/2016 22:34
GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 03/11/2016 00:48
Lab File ID: K52539.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Bromofluorobenzene	Ave	0.4693	0.4747		50.6	50.0	1.2	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160411-39732.b\K52539.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 11-Apr-2016 21:07:30 ALS Bottle#: 1 Worklist Smp#: 2
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 460-0039732-002
 Operator ID: Instrument ID: CVOAMS9
 Sublist: chrom-8260S9*sub35
 Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160411-39732.b\8260S9.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 12-Apr-2016 10:24:48 Calib Date: 11-Mar-2016 00:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51273.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: boykink

Date: 11-Apr-2016 21:49:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.537	1.537	0.000	91	16820	20.0	22.0	
2 Dichlorodifluoromethane	85	1.570	1.570	0.000	99	99168	20.0	17.6	
3 Chloromethane	50	1.751	1.751	0.000	99	110407	20.0	21.2	
4 Vinyl chloride	62	1.842	1.842	0.000	97	100675	20.0	19.1	
5 Butadiene	54	1.853	1.853	0.000	99	83936	20.0	19.9	
6 Bromomethane	94	2.142	2.142	0.000	98	64282	20.0	17.0	
7 Chloroethane	64	2.211	2.211	0.000	99	51329	20.0	18.8	
9 Dichlorofluoromethane	67	2.393	2.393	0.000	98	156600	20.0	17.1	
8 Trichlorofluoromethane	101	2.393	2.393	0.000	60	105902	20.0	15.7	
10 Pentane	72	2.425	2.425	0.000	96	24506	40.0	36.7	
12 Ethanol	46	2.613	2.613	0.000	81	17463	800.0	732.3	
11 Ethyl ether	59	2.618	2.618	0.000	92	64826	20.0	20.5	
13 2-Methyl-1,3-butadiene	53	2.639	2.639	0.000	97	71658	20.0	19.9	
14 1,2-Dichloro-1,1,2-trifluo	117	2.677	2.677	0.000	96	65475	20.0	19.0	
15 Acrolein	56	2.800	2.800	0.000	97	231475	300.0	388.7	
16 1,1,2-Trichloro-1,2,2-trif	101	2.821	2.821	0.000	94	77626	20.0	18.5	
17 1,1-Dichloroethene	96	2.832	2.832	0.000	96	72593	20.0	17.9	
18 Acetone	43	2.918	2.918	0.000	86	152038	100.0	93.1	
19 Iodomethane	142	2.998	2.998	0.000	98	131900	20.0	17.6	
22 Isopropyl alcohol	45	3.019	3.019	0.000	1	66884	200.0	224.6	
20 Carbon disulfide	76	3.035	3.035	0.000	100	296309	20.0	18.5	
21 3-Chloro-1-propene	76	3.158	3.158	0.000	95	45516	20.0	18.8	
23 Methyl acetate	43	3.164	3.164	0.000	100	340660	100.0	111.8	
24 Cyclopentene	67	3.180	3.180	0.000	92	203744	20.0	19.8	
29 Acetonitrile	41	3.228	3.228	0.000	92	134399	200.0	209.1	
26 Methylene Chloride	84	3.287	3.287	0.000	97	90315	20.0	18.7	
* 25 TBA-d9 (IS)	65	3.297	3.297	0.000	99	443203	1000.0	1000.0	
27 2-Methyl-2-propanol	59	3.346	3.346	0.000	98	116026	200.0	194.6	
28 Methyl tert-butyl ether	73	3.453	3.453	0.000	97	242214	20.0	20.2	
30 trans-1,2-Dichloroethene	96	3.479	3.479	0.000	98	78401	20.0	18.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.549	3.549	0.000	93	332954	200.0	216.3	
32 Hexane	43	3.635	3.635	0.000	93	77538	20.0	20.5	
33 Isopropyl ether	45	3.838	3.838	0.000	99	292765	20.0	22.6	
34 1,1-Dichloroethane	63	3.881	3.881	0.000	99	155921	20.0	19.9	
35 Vinyl acetate	43	3.886	3.886	0.000	100	333387	40.0	43.3	M
36 2-Chloro-1,3-butadiene	88	3.923	3.923	0.000	91	68116	20.0	19.2	
37 Tert-butyl ethyl ether	59	4.164	4.164	0.000	87	257055	20.0	20.8	
* 38 2-Butanone-d5	46	4.362	4.362	0.000	97	412677	250.0	250.0	
39 2,2-Dichloropropane	79	4.389	4.389	0.000	94	35676	20.0	20.1	
40 cis-1,2-Dichloroethene	96	4.405	4.405	0.000	93	86393	20.0	18.8	
41 Ethyl acetate	43	4.416	4.416	0.000	94	381371	40.0	37.5	
42 2-Butanone (MEK)	72	4.421	4.421	0.000	95	49503	100.0	85.5	
44 Methyl acrylate	55	4.474	4.474	0.000	99	66599	20.0	20.1	
43 Propionitrile	54	4.549	4.549	0.000	98	135320	200.0	202.6	
45 Tetrahydrofuran	72	4.630	4.630	0.000	65	24287	40.0	33.8	
46 Chlorobromomethane	128	4.635	4.635	0.000	90	40495	20.0	18.5	
47 Methacrylonitrile	67	4.656	4.656	0.000	94	336480	200.0	208.5	
48 Chloroform	83	4.683	4.683	0.000	98	138327	20.0	18.8	
49 Cyclohexane	56	4.827	4.827	0.000	95	146714	20.0	19.9	
50 1,1,1-Trichloroethane	97	4.838	4.838	0.000	79	112920	20.0	18.6	
\$ 51 Dibromofluoromethane (Surr	113	4.844	4.844	0.000	0	202229	50.0	48.8	
52 Carbon tetrachloride	117	4.961	4.961	0.000	96	88982	20.0	18.3	
53 1,1-Dichloropropene	75	4.988	4.988	0.000	96	108447	20.0	19.1	
56 Isobutyl alcohol	43	5.095	5.095	0.000	93	117935	500.0	561.2	
54 Benzene	78	5.186	5.186	0.000	96	321021	20.0	20.0	
\$ 55 1,2-Dichloroethane-d4 (Sur	65	5.202	5.202	0.000	96	230542	50.0	48.7	
57 Isopropyl acetate	43	5.234	5.234	0.000	96	266560	20.0	22.4	
58 Tert-amyl methyl ether	73	5.245	5.245	0.000	92	251682	20.0	20.5	
59 1,2-Dichloroethane	62	5.277	5.277	0.000	95	105036	20.0	19.3	
60 n-Heptane	57	5.336	5.336	0.000	97	70888	20.0	19.8	
* 61 Fluorobenzene	96	5.475	5.475	0.000	98	625453	50.0	50.0	
62 n-Butanol	56	5.758	5.758	0.000	90	68581	500.0	510.9	
63 Trichloroethene	95	5.833	5.833	0.000	97	76739	20.0	18.4	
64 Ethyl acrylate	55	5.951	5.951	0.000	97	204134	20.0	19.8	
65 Methylcyclohexane	83	5.962	5.962	0.000	92	132976	20.0	18.3	
66 1,2-Dichloropropane	63	6.127	6.127	0.000	91	82936	20.0	19.6	
* 67 1,4-Dioxane-d8	96	6.181	6.181	0.000	33	31961	1000.0	1000.0	
68 Methyl methacrylate	41	6.192	6.192	0.000	94	139593	40.0	43.5	
69 1,4-Dioxane	88	6.229	6.229	0.000	82	19794	400.0	418.3	
70 n-Propyl acetate	43	6.240	6.240	0.000	99	122993	20.0	22.6	
71 Dibromomethane	93	6.256	6.256	0.000	93	48443	20.0	18.0	
72 Dichlorobromomethane	83	6.406	6.406	0.000	99	98807	20.0	18.7	
73 2-Chloroethyl vinyl ether	63	6.737	6.737	0.000	75	46836	20.0	20.1	
74 2-Nitropropane	41	6.737	6.737	0.000	79	36413	40.0	47.0	
75 Epichlorohydrin	57	6.850	6.850	0.000	99	173213	400.0	356.3	
76 cis-1,3-Dichloropropene	75	6.909	6.909	0.000	94	118477	20.0	19.1	
77 4-Methyl-2-pentanone (MIBK	43	7.069	7.069	0.000	98	467050	100.0	97.0	
\$ 78 Toluene-d8 (Surr)	98	7.155	7.155	0.000	99	753129	50.0	51.5	
79 Toluene	91	7.235	7.235	0.000	93	313477	20.0	18.9	
80 trans-1,3-Dichloropropene	75	7.583	7.583	0.000	99	97398	20.0	18.9	
81 Ethyl methacrylate	69	7.604	7.604	0.000	92	87245	20.0	20.1	
82 1,1,2-Trichloroethane	83	7.802	7.802	0.000	95	55028	20.0	18.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.850	7.850	0.000	94	65876	20.0	18.2	
84 1,3-Dichloropropane	76	8.016	8.016	0.000	96	105695	20.0	19.5	
85 2-Hexanone	43	8.064	8.064	0.000	99	300982	100.0	94.5	
86 n-Butyl acetate	43	8.176	8.176	0.000	98	120347	20.0	22.8	
87 Chlorodibromomethane	129	8.246	8.246	0.000	98	66091	20.0	18.5	
88 Ethylene Dibromide	107	8.406	8.406	0.000	97	61979	20.0	19.0	
* 89 Chlorobenzene-d5	117	8.957	8.957	0.000	88	419430	50.0	50.0	
90 Chlorobenzene	112	8.990	8.990	0.000	94	191745	20.0	18.7	
92 Ethylbenzene	106	9.091	9.091	0.000	99	105980	20.0	19.5	
91 1,1,1,2-Tetrachloroethane	131	9.107	9.107	0.000	95	66545	20.0	18.5	
93 m-Xylene & p-Xylene	106	9.236	9.236	0.000	97	128517	20.0	19.3	
94 n-Butyl acrylate	73	9.642	9.642	0.000	96	50965	20.0	20.0	
95 o-Xylene	106	9.669	9.669	0.000	94	136491	20.0	19.7	
96 Styrene	104	9.696	9.696	0.000	95	215507	20.0	19.7	
97 Amyl acetate (mixed isomer	43	9.862	9.862	0.000	88	146162	20.0	24.3	
98 Bromoform	173	9.894	9.894	0.000	93	37585	20.0	17.7	
99 Isopropylbenzene	105	10.001	10.001	0.000	96	343444	20.0	19.5	
\$ 100 4-Bromofluorobenzene	174	10.177	10.177	0.000	86	199122	50.0	50.6	
101 Bromobenzene	156	10.295	10.295	0.000	97	78169	20.0	18.7	
102 1,1,2,2-Tetrachloroethane	83	10.322	10.322	0.000	99	97671	20.0	19.6	
103 N-Propylbenzene	91	10.348	10.348	0.000	99	421253	20.0	19.5	
104 1,2,3-Trichloropropane	110	10.364	10.364	0.000	96	23667	20.0	19.9	
105 trans-1,4-Dichloro-2-buten	53	10.375	10.375	0.000	88	26489	20.0	21.5	
106 2-Chlorotoluene	91	10.439	10.439	0.000	97	284854	20.0	19.6	
107 4-Ethyltoluene	105	10.439	10.439	0.000	99	335599	20.0	19.8	
108 1,3,5-Trimethylbenzene	105	10.493	10.493	0.000	92	285881	20.0	18.8	
109 4-Chlorotoluene	91	10.530	10.530	0.000	98	246488	20.0	19.4	
110 Butyl Methacrylate	87	10.562	10.562	0.000	94	94566	20.0	20.9	
111 tert-Butylbenzene	119	10.723	10.723	0.000	92	215700	20.0	17.9	
112 1,2,4-Trimethylbenzene	105	10.771	10.771	0.000	98	297842	20.0	19.1	
113 sec-Butylbenzene	105	10.878	10.878	0.000	99	373292	20.0	18.8	
114 4-Isopropyltoluene	119	10.980	10.980	0.000	97	309356	20.0	18.5	
115 1,3-Dichlorobenzene	146	10.985	10.985	0.000	94	152840	20.0	18.6	
* 116 1,4-Dichlorobenzene-d4	152	11.033	11.033	0.000	96	216687	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.049	11.049	0.000	94	155693	20.0	18.8	
118 Benzyl chloride	91	11.145	11.145	0.000	98	156098	20.0	20.4	
119 2,3-Dihydroindene	117	11.194	11.194	0.000	94	314806	20.0	20.0	
120 p-Diethylbenzene	119	11.226	11.226	0.000	91	187701	20.0	19.7	
121 n-Butylbenzene	91	11.242	11.242	0.000	97	381624	20.0	19.3	
122 1,2-Dichlorobenzene	146	11.295	11.295	0.000	95	157130	20.0	19.0	
123 1,2,4,5-Tetramethylbenzene	119	11.702	11.702	0.000	97	299688	20.0	19.1	
124 1,2-Dibromo-3-Chloropropan	75	11.782	11.782	0.000	94	20171	20.0	20.0	
125 1,3,5-Trichlorobenzene	180	11.868	11.868	0.000	96	118580	20.0	18.0	
126 1,2,4-Trichlorobenzene	180	12.269	12.269	0.000	94	115820	20.0	17.7	
127 Hexachlorobutadiene	225	12.333	12.333	0.000	89	45766	20.0	15.5	
128 Naphthalene	128	12.445	12.445	0.000	99	334285	20.0	19.3	
129 1,2,3-Trichlorobenzene	180	12.611	12.611	0.000	94	113359	20.0	17.1	
S 130 1,2-Dichloroethene, Total	100				0		40.0	37.6	
S 131 Xylenes, Total	100				0		40.0	39.0	
S 132 Total BTEX	1				0		100.0	97.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GASES Li_00148	Amount Added: 2.00	Units: uL	
8260MIX1COMB_00034	Amount Added: 2.00	Units: uL	
ACROLEIN W_00049	Amount Added: 3.00	Units: uL	
8260ISNEW_00059	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00116	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CVOAMS9\\20160411-39732.b\\K52539.D

Injection Date: 11-Apr-2016 21:07:30

Instrument ID: CVOAMS9

Operator ID:

Lims ID: CCVIS

Worklist Smp#: 2

Client ID:

Purge Vol: 5.000 mL

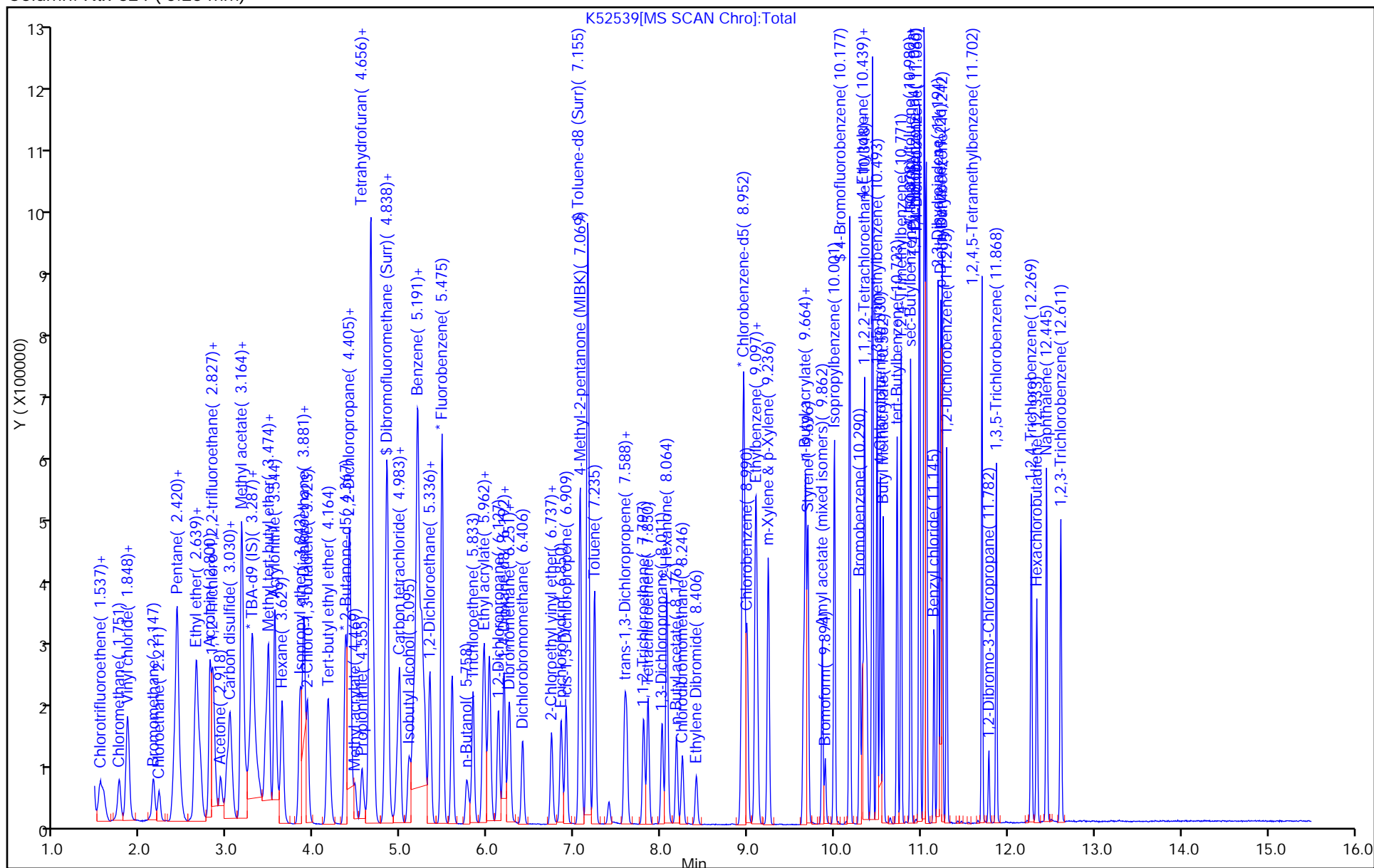
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160411-39732.b\K52539.D

Injection Date: 11-Apr-2016 21:07:30

Instrument ID: CVOAMS9

Lims ID: CCVIS

Client ID:

Operator ID:

ALS Bottle#:

1

Worklist Smp#: 2

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

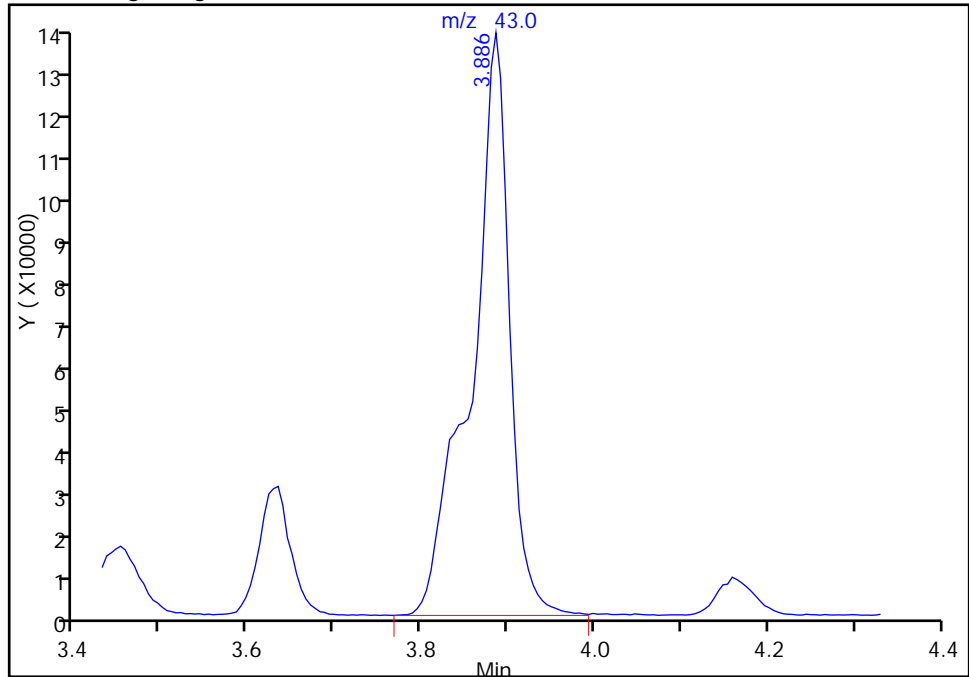
Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

35 Vinyl acetate, CAS: 108-05-4

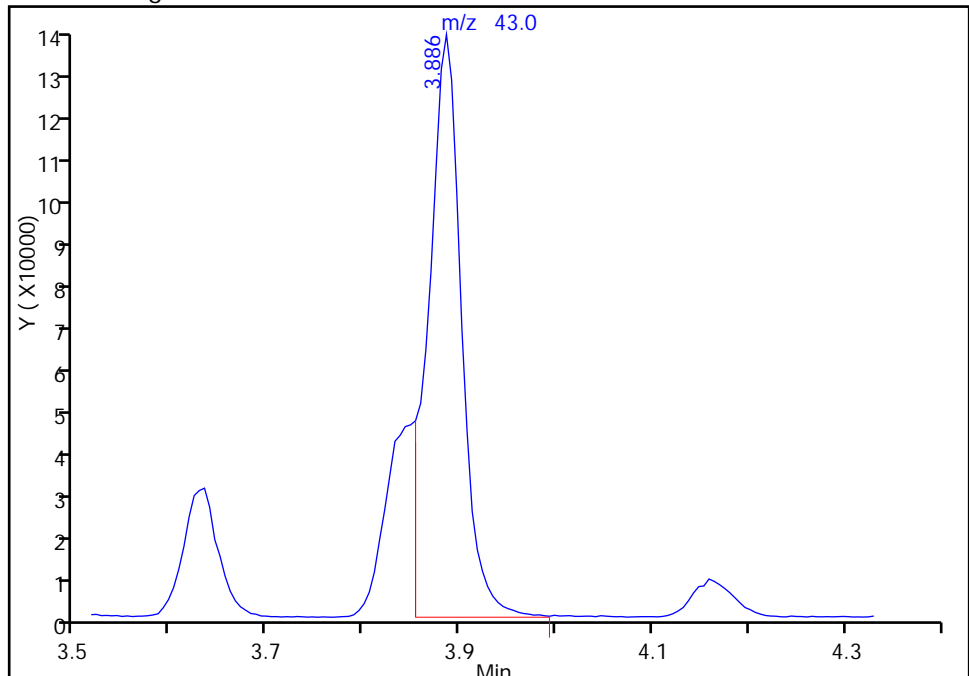
RT: 3.89
Area: 421951
Amount: 54.772553
Amount Units: ug/l

Processing Integration Results



RT: 3.89
Area: 333387
Amount: 43.276250
Amount Units: ug/l

Manual Integration Results



Reviewer: delpolitov, 12-Apr-2016 10:24:48

Audit Action: Split an Integrated Peak

Audit Reason: Shouldering

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51266.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 10-Mar-2016 21:40:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0038298-001
Operator ID: Instrument ID: CVOAMS9
Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\8260S9.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 11-Mar-2016 01:37:37 Calib Date: 11-Mar-2016 00:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51273.D
Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK019

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 134 BFB	95	4.010	4.010	0.000	85	535929	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_00010

Amount Added: 1.00

Units: uL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51266.D

Injection Date: 10-Mar-2016 21:40:30

Instrument ID: CVOAMS9

Lims ID: BFB

Client ID:

Operator ID:

ALS Bottle#: 99 Worklist Smp#: 1

Injection Vol: 5.0 mL

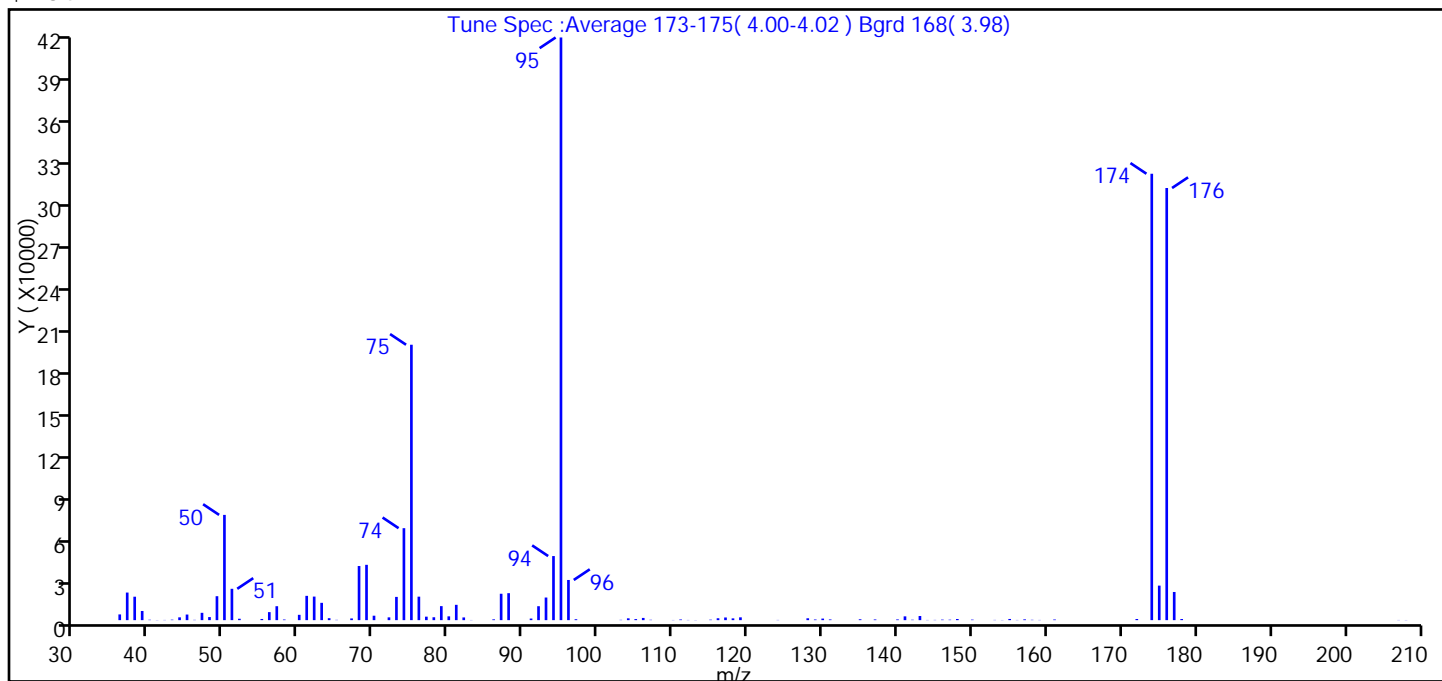
Dil. Factor: 1.0000

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

Tune Method: BFB Method 8260

\$ 134 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.1
75	30 to 60% of m/z 95	47.3
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	76.6
175	5 to 9% of m/z 174	5.9 (7.7)
176	Greater than 95% but less than 101% of m/z 174	74.2 (96.8)
177	5 to 9% of m/z 176	4.8 (6.5)

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51266.D\8260S9.rslt\spectra.d
Injection Date: 10-Mar-2016 21:40:30
Spectrum: Tune Spec :Average 173-175(4.00-4.02) Bgrd 168(3.98)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 100

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4083	64.00	1388	95.00	415680	141.00	2700
37.00	19680	65.00	202	96.00	28656	142.00	302
38.00	16720	67.00	1219	97.00	642	143.00	2951
39.00	6538	68.00	38608	103.00	213	144.00	132
40.00	279	69.00	39464	104.00	1293	145.00	171
41.00	105	70.00	3169	105.00	752	146.00	370
42.00	144	72.00	1985	106.00	1583	147.00	325
43.00	340	73.00	16584	107.00	250	148.00	808
44.00	1996	74.00	65608	110.00	121	150.00	372
45.00	3998	75.00	196480	111.00	484	153.00	166
46.00	207	76.00	16752	112.00	140	154.00	110
47.00	5222	77.00	2483	113.00	106	155.00	836
48.00	2192	78.00	2062	115.00	336	156.00	135
49.00	17080	79.00	9997	116.00	1346	157.00	554
50.00	75088	80.00	2710	117.00	1899	158.00	240
51.00	22360	81.00	10927	118.00	1260	159.00	147
52.00	993	82.00	1940	119.00	2006	161.00	455
55.00	834	83.00	118	124.00	149	172.00	819
56.00	5722	86.00	567	128.00	1324	174.00	318464
57.00	9940	87.00	18832	129.00	459	175.00	24632
58.00	444	88.00	19240	130.00	1109	176.00	308288
60.00	3796	91.00	1140	131.00	499	177.00	20088
61.00	17328	92.00	9943	135.00	615	178.00	793
62.00	16808	93.00	16134	137.00	492	207.00	128
63.00	12351	94.00	45720	140.00	515	208.00	107

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160411-39732.b\K52538.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 11-Apr-2016 20:40:30 ALS Bottle#: 100 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0039732-001
Operator ID: Instrument ID: CVOAMS9
Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160411-39732.b\8260S9.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Apr-2016 08:38:10 Calib Date: 11-Mar-2016 00:48:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51273.D
Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: desais

Date: 12-Apr-2016 08:34:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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\$ 134 BFB	95	4.005	4.005	0.000	84	135269	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_00012

Amount Added: 1.00

Units: uL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160411-39732.b\K52538.D

Injection Date: 11-Apr-2016 20:40:30

Instrument ID: CVOAMS9

Lims ID: BFB

Client ID:

Operator ID:

ALS Bottle#: 100 Worklist Smp#: 1

Injection Vol: 5.0 mL

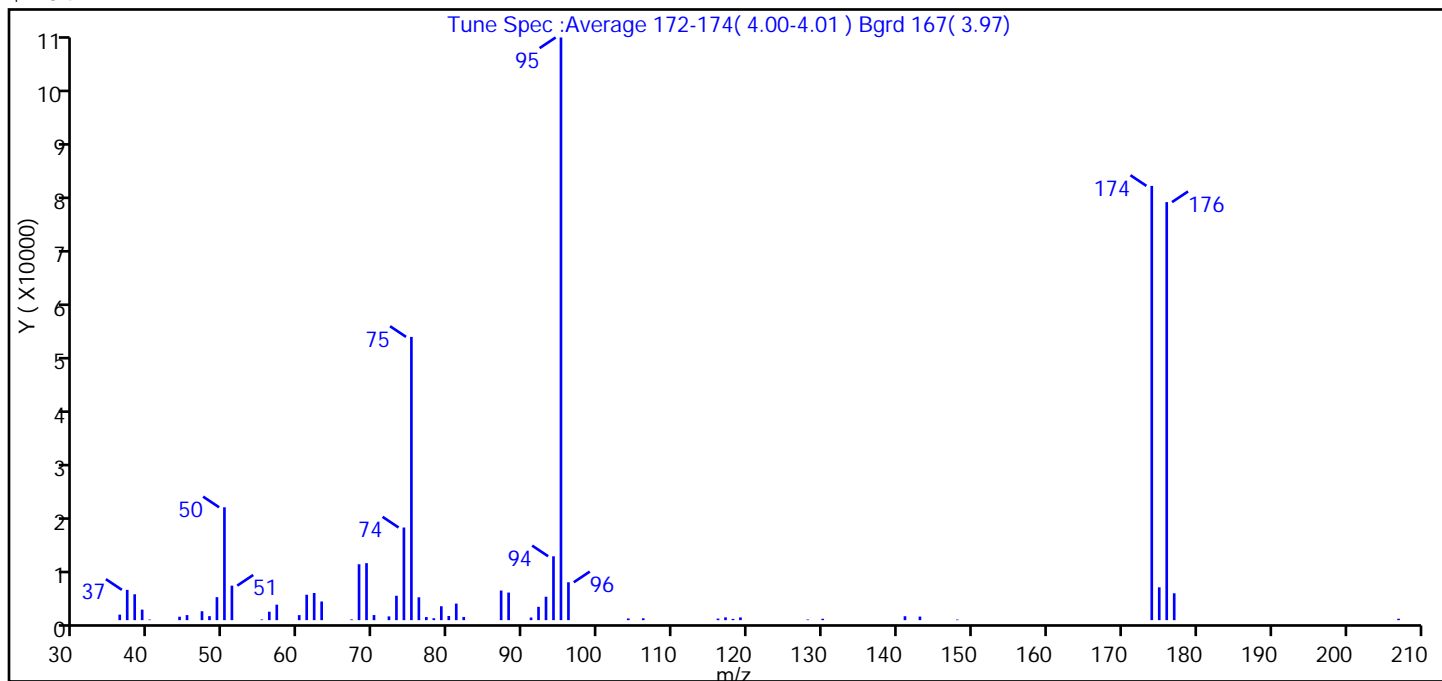
Dil. Factor: 1.0000

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

Tune Method: BFB Method 8260

\$ 134 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.4
75	30 to 60% of m/z 95	48.6
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	74.5
175	5 to 9% of m/z 174	5.6 (7.6)
176	Greater than 95% but less than 101% of m/z 174	71.7 (96.3)
177	5 to 9% of m/z 176	4.6 (6.4)

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160411-39732.b\K52538.D\8260S9.rslt\spectra.d
 Injection Date: 11-Apr-2016 20:40:30
 Spectrum: Tune Spec :Average 172-174(4.00-4.01) Bgrd 167(3.97)
 Base Peak: 95.00
 Minimum % Base Peak: 0
 Number of Points: 58

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	974	60.00	891	79.00	2461	117.00	493
37.00	5369	61.00	4500	80.00	732	118.00	221
38.00	4584	62.00	4809	81.00	2933	119.00	488
39.00	1865	63.00	3303	82.00	563	128.00	112
40.00	100	67.00	127	87.00	5247	130.00	242
44.00	606	68.00	9903	88.00	4888	141.00	695
45.00	893	69.00	10099	91.00	463	143.00	634
47.00	1581	70.00	901	92.00	2362	148.00	104
48.00	711	72.00	665	93.00	4150	174.00	76960
49.00	4072	73.00	4322	94.00	11320	175.00	5817
50.00	20000	74.00	16416	95.00	103264	176.00	74088
51.00	6115	75.00	50200	96.00	6713	177.00	4760
55.00	120	76.00	4048	104.00	299	207.00	248
56.00	1498	77.00	552	106.00	327		
57.00	2745	78.00	340	116.00	276		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 460-361975/7

Matrix: Solid Lab File ID: K52544.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 04/11/2016 23:18

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 361975 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.38
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.17
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.44
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.28
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.34
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.41
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.14
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.11
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.17
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.12
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.13
123-91-1	1,4-Dioxane	20	U	20	6.4
78-93-3	2-Butanone (MEK)	5.0	U	5.0	0.77
591-78-6	2-Hexanone	5.0	U	5.0	0.94
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.2
67-64-1	Acetone	2.78	J	5.0	1.1
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.13
74-83-9	Bromomethane	1.0	U	1.0	0.32
75-15-0	Carbon disulfide	1.0	U	1.0	0.43
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.43
108-90-7	Chlorobenzene	1.0	U	1.0	0.14
74-97-5	Chlorobromomethane	1.0	U	1.0	0.17
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.15
75-00-3	Chloroethane	1.0	U	1.0	0.35
67-66-3	Chloroform	1.0	U	1.0	0.21
74-87-3	Chloromethane	1.0	U	1.0	0.38
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.15
110-82-7	Cyclohexane	1.0	U	1.0	0.46
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 460-361975/7

Matrix: Solid Lab File ID: K52544.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 04/11/2016 23:18

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 361975 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.18
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.12
98-82-8	Isopropylbenzene	1.0	U	1.0	0.17
79-20-9	Methyl acetate	5.0	U	5.0	0.90
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.17
108-87-2	Methylcyclohexane	1.0	U	1.0	0.50
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.11
95-47-6	o-Xylene	1.0	U	1.0	0.16
100-42-5	Styrene	1.0	U	1.0	0.15
127-18-4	Tetrachloroethene	1.0	U	1.0	0.28
108-88-3	Toluene	1.0	U	1.0	0.19
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.39
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10
79-01-6	Trichloroethene	1.0	U	1.0	0.26
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.34
75-01-4	Vinyl chloride	1.0	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		78-135
460-00-4	4-Bromofluorobenzene	100		67-126
1868-53-7	Dibromofluoromethane (Surr)	96		61-149
2037-26-5	Toluene-d8 (Surr)	100		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160411-39732.b\K52544.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 11-Apr-2016 23:18:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 460-0039732-007
 Operator ID: Instrument ID: CVOAMS9
 Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160411-39732.b\8260S9.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 12-Apr-2016 10:29:32 Calib Date: 11-Mar-2016 00:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51273.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: boykink

Date: 11-Apr-2016 23:51:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
18 Acetone	43	2.918	2.918	0.000	69	3929		2.78	
* 25 TBA-d9 (IS)	65	3.265	3.297	-0.032	100	365208	1000.0	1000.0	
* 38 2-Butanone-d5	46	4.357	4.362	-0.005	98	357098	250.0	250.0	
\$ 51 Dibromofluoromethane (Surr	113	4.838	4.844	-0.006	0	190293	50.0	48.1	
\$ 55 1,2-Dichloroethane-d4 (Sur	65	5.197	5.202	-0.005	96	221457	50.0	49.0	
* 61 Fluorobenzene	96	5.469	5.475	-0.006	98	597573	50.0	50.0	
* 67 1,4-Dioxane-d8	96	6.170	6.181	-0.011	98	26629	1000.0	1000.0	
\$ 78 Toluene-d8 (Surr)	98	7.155	7.155	0.000	98	697806	50.0	49.9	
* 89 Chlorobenzene-d5	117	8.952	8.957	-0.005	88	400704	50.0	50.0	
\$ 100 4-Bromofluorobenzene	174	10.177	10.177	0.000	87	188645	50.0	50.2	
* 116 1,4-Dichlorobenzene-d4	152	11.033	11.033	0.000	97	207810	50.0	50.0	

Reagents:

8260ISNEW_00059	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00116	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160411-39732.b\K52544.D

Injection Date: 11-Apr-2016 23:18:30

Instrument ID: CVOAMS9

Operator ID:

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

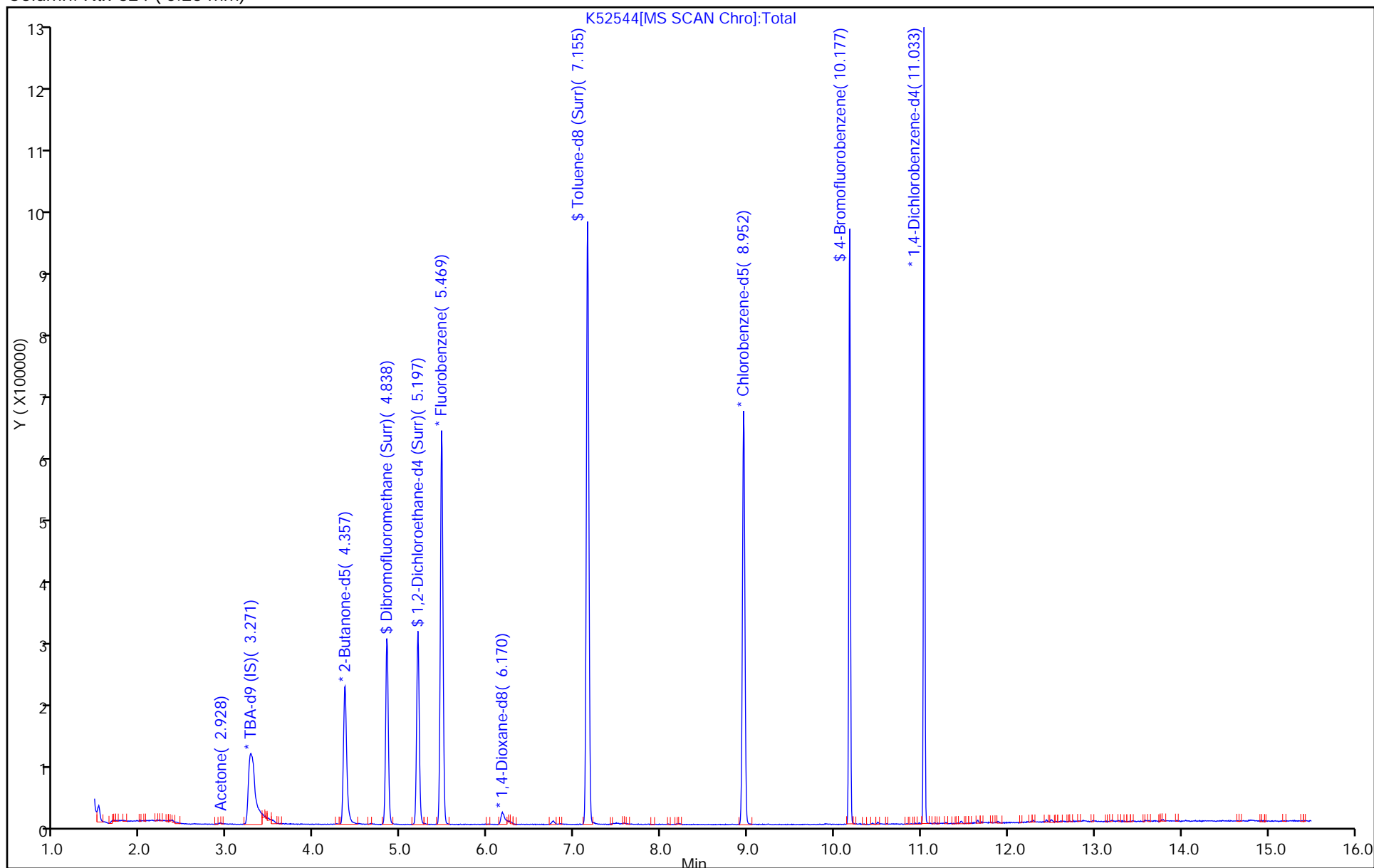
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160411-39732.b\K52544.D

Injection Date: 11-Apr-2016 23:18:30

Instrument ID: CVOAMS9

Lims ID: MB

Client ID:

Operator ID:

ALS Bottle#:

Worklist Smp#: 7

Purge Vol: 5.000 mL

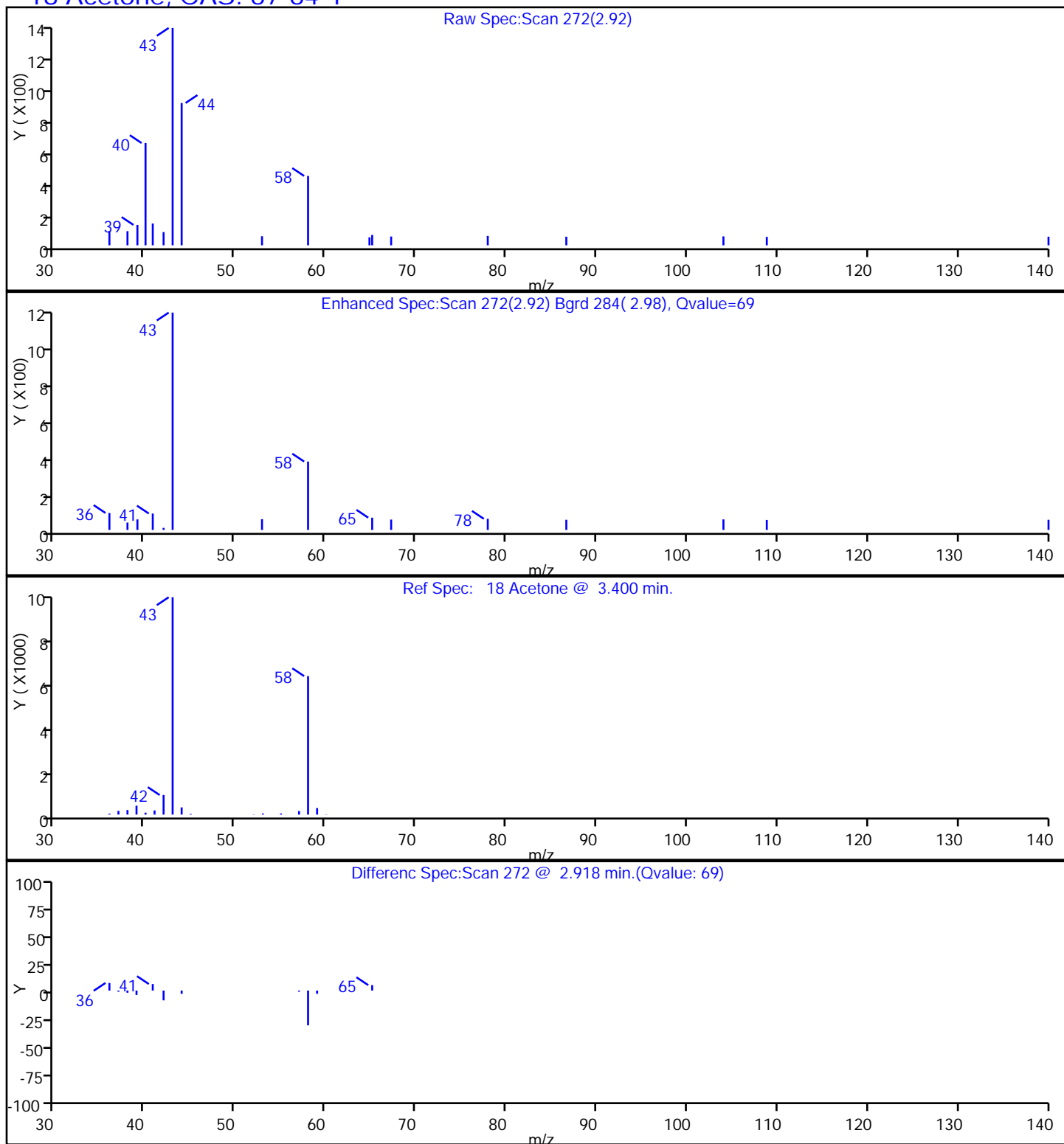
Dil. Factor: 1.0000

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

18 Acetone, CAS: 67-64-1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LB3 460-361960/1-A

Matrix: Solid Lab File ID: K52545.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5(g) Date Analyzed: 04/12/2016 00:14

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 361975 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.38
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.17
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.44
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.28
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.34
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.41
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.47
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.14
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.11
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.17
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.12
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.13
123-91-1	1,4-Dioxane	20	U	20	6.4
78-93-3	2-Butanone (MEK)	5.0	U	5.0	0.77
591-78-6	2-Hexanone	5.0	U	5.0	0.94
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.2
67-64-1	Acetone	5.0	U	5.0	1.1
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.13
74-83-9	Bromomethane	1.0	U	1.0	0.32
75-15-0	Carbon disulfide	1.0	U	1.0	0.43
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.43
108-90-7	Chlorobenzene	1.0	U	1.0	0.14
74-97-5	Chlorobromomethane	1.0	U	1.0	0.17
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.15
75-00-3	Chloroethane	1.0	U	1.0	0.35
67-66-3	Chloroform	1.0	U	1.0	0.21
74-87-3	Chloromethane	1.0	U	1.0	0.38
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.15
110-82-7	Cyclohexane	1.0	U	1.0	0.46
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LB3 460-361960/1-A

Matrix: Solid Lab File ID: K52545.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5(g) Date Analyzed: 04/12/2016 00:14

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 361975 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1.0	U	1.0	0.18
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.12
98-82-8	Isopropylbenzene	1.0	U	1.0	0.17
79-20-9	Methyl acetate	5.0	U	5.0	0.90
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.17
108-87-2	Methylcyclohexane	1.0	U	1.0	0.50
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.11
95-47-6	o-Xylene	1.0	U	1.0	0.16
100-42-5	Styrene	1.0	U	1.0	0.15
127-18-4	Tetrachloroethene	1.0	U	1.0	0.28
108-88-3	Toluene	1.0	U	1.0	0.19
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.39
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.10
79-01-6	Trichloroethene	1.0	U	1.0	0.26
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.34
75-01-4	Vinyl chloride	1.0	U	1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		78-135
460-00-4	4-Bromofluorobenzene	92		67-126
1868-53-7	Dibromofluoromethane (Surr)	89		61-149
2037-26-5	Toluene-d8 (Surr)	95		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160411-39732.b\K52545.D
 Lims ID: LB3 460-361960/1-A
 Client ID:
 Sample Type: LB3
 Inject. Date: 12-Apr-2016 00:14:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LB3 460-361960/1-A
 Misc. Info.: 460-0039732-008
 Operator ID: Instrument ID: CVOAMS9
 Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160411-39732.b\8260S9.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 12-Apr-2016 10:29:01 Calib Date: 11-Mar-2016 00:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51273.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: desais

Date: 12-Apr-2016 08:14:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 25 TBA-d9 (IS)	65	3.276	3.297	-0.021	100	301188	1000.0	1000.0	
* 38 2-Butanone-d5	46	4.352	4.362	-0.010	98	308262	250.0	250.0	
\$ 51 Dibromofluoromethane (Surr	113	4.838	4.844	-0.006	0	178584	50.0	44.7	
\$ 55 1,2-Dichloroethane-d4 (Sur	65	5.197	5.202	-0.005	96	201192	50.0	44.1	
* 61 Fluorobenzene	96	5.470	5.475	-0.005	98	603240	50.0	50.0	
* 67 1,4-Dioxane-d8	96	6.170	6.181	-0.011	97	21056	1000.0	1000.0	
\$ 78 Toluene-d8 (Surr)	98	7.155	7.155	0.000	99	655376	50.0	47.4	
* 89 Chlorobenzene-d5	117	8.952	8.957	-0.005	88	396628	50.0	50.0	
\$ 100 4-Bromofluorobenzene	174	10.177	10.177	0.000	88	171927	50.0	46.2	
* 116 1,4-Dichlorobenzene-d4	152	11.033	11.033	0.000	97	202773	50.0	50.0	

Reagents:

8260ISNEW_00059	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00116	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CVOAMS9\\20160411-39732.b\\K52545.D

Injection Date: 12-Apr-2016 00:14:30

Instrument ID: CVOAMS9

Operator ID:

Lims ID: LB3 460-361960/1-A

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

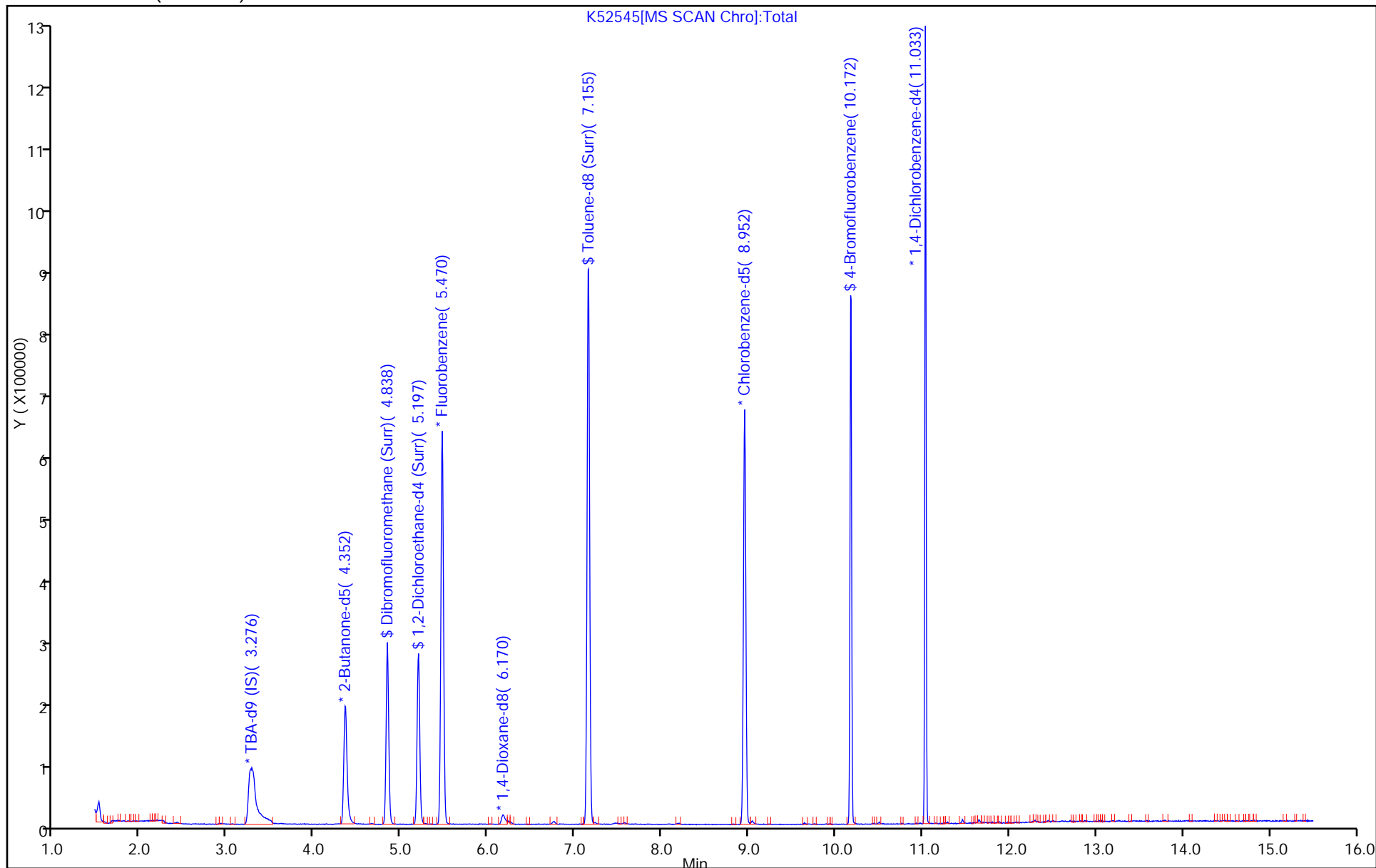
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-361975/3

Matrix: Solid Lab File ID: K52540.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 04/11/2016 21:33

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 361975 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	19.5		1.0	0.38
79-34-5	1,1,2,2-Tetrachloroethane	19.1		1.0	0.17
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	19.8		1.0	0.44
79-00-5	1,1,2-Trichloroethane	19.3		1.0	0.28
75-34-3	1,1-Dichloroethane	20.6		1.0	0.34
75-35-4	1,1-Dichloroethene	18.7		1.0	0.41
87-61-6	1,2,3-Trichlorobenzene	19.3		1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	19.6		1.0	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		1.0	0.47
95-50-1	1,2-Dichlorobenzene	20.1		1.0	0.14
107-06-2	1,2-Dichloroethane	19.5		1.0	0.11
78-87-5	1,2-Dichloropropane	20.5		1.0	0.17
541-73-1	1,3-Dichlorobenzene	20.6		1.0	0.12
106-46-7	1,4-Dichlorobenzene	20.2		1.0	0.13
123-91-1	1,4-Dioxane	428		20	6.4
78-93-3	2-Butanone (MEK)	88.9		5.0	0.77
591-78-6	2-Hexanone	99.0		5.0	0.94
108-10-1	4-Methyl-2-pentanone (MIBK)	102		5.0	2.2
67-64-1	Acetone	95.7		5.0	1.1
71-43-2	Benzene	21.0		1.0	0.20
75-25-2	Bromoform	17.5		1.0	0.13
74-83-9	Bromomethane	17.8		1.0	0.32
75-15-0	Carbon disulfide	19.4		1.0	0.43
56-23-5	Carbon tetrachloride	19.8		1.0	0.43
108-90-7	Chlorobenzene	19.8		1.0	0.14
74-97-5	Chlorobromomethane	18.8		1.0	0.17
124-48-1	Chlorodibromomethane	18.8		1.0	0.15
75-00-3	Chloroethane	19.8		1.0	0.35
67-66-3	Chloroform	19.6		1.0	0.21
74-87-3	Chloromethane	22.1		1.0	0.38
156-59-2	cis-1,2-Dichloroethene	19.5		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	19.9		1.0	0.15
110-82-7	Cyclohexane	21.7		1.0	0.46
75-27-4	Dichlorobromomethane	19.4		1.0	0.38
75-71-8	Dichlorodifluoromethane	18.2		1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-361975/3

Matrix: Solid Lab File ID: K52540.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 04/11/2016 21:33

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 361975 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	20.7		1.0	0.18
106-93-4	Ethylene Dibromide	19.2		1.0	0.12
98-82-8	Isopropylbenzene	21.0		1.0	0.17
79-20-9	Methyl acetate	101		5.0	0.90
1634-04-4	Methyl tert-butyl ether	19.5		1.0	0.17
108-87-2	Methylcyclohexane	20.8		1.0	0.50
75-09-2	Methylene Chloride	18.9		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	20.7		1.0	0.11
95-47-6	o-Xylene	20.7		1.0	0.16
100-42-5	Styrene	20.7		1.0	0.15
127-18-4	Tetrachloroethene	19.5		1.0	0.28
108-88-3	Toluene	20.0		1.0	0.19
156-60-5	trans-1,2-Dichloroethene	19.4		1.0	0.39
10061-02-6	trans-1,3-Dichloropropene	19.9		1.0	0.10
79-01-6	Trichloroethene	19.2		1.0	0.26
75-69-4	Trichlorofluoromethane	16.3		1.0	0.34
75-01-4	Vinyl chloride	20.3		1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		78-135
460-00-4	4-Bromofluorobenzene	98		67-126
1868-53-7	Dibromofluoromethane (Surr)	93		61-149
2037-26-5	Toluene-d8 (Surr)	101		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160411-39732.b\K52540.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 11-Apr-2016 21:33:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 460-0039732-003
 Operator ID: Instrument ID: CVOAMS9
 Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160411-39732.b\8260S9.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 12-Apr-2016 10:25:49 Calib Date: 11-Mar-2016 00:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51273.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: boykink

Date: 12-Apr-2016 03:48:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.532	1.537	-0.005	91	16163	20.0	21.2	
2 Dichlorodifluoromethane	85	1.564	1.570	-0.006	99	101860	20.0	18.2	
3 Chloromethane	50	1.741	1.751	-0.010	99	114943	20.0	22.1	
4 Vinyl chloride	62	1.832	1.842	-0.010	98	106498	20.0	20.3	
5 Butadiene	54	1.848	1.853	-0.005	98	83836	20.0	20.0	
6 Bromomethane	94	2.137	2.142	-0.005	98	66982	20.0	17.8	
7 Chloroethane	64	2.206	2.211	-0.005	99	53901	20.0	19.8	
9 Dichlorofluoromethane	67	2.393	2.393	0.000	97	159711	20.0	17.5	
8 Trichlorofluoromethane	101	2.388	2.393	-0.005	59	109954	20.0	16.3	
10 Pentane	72	2.420	2.425	-0.005	96	25878	40.0	38.9	
12 Ethanol	46	2.613	2.613	0.000	76	15174	800.0	763.4	
11 Ethyl ether	59	2.613	2.618	-0.005	95	65201	20.0	20.7	
13 2-Methyl-1,3-butadiene	53	2.634	2.639	-0.005	97	76425	20.0	21.2	
14 1,2-Dichloro-1,1,2-trifluo	117	2.677	2.677	0.000	96	66240	20.0	19.3	
15 Acrolein	56	2.789	2.800	-0.011	96	220732	300.0	444.8	
16 1,1,2-Trichloro-1,2,2-trif	101	2.800	2.821	-0.021	93	82885	20.0	19.8	
17 1,1-Dichloroethene	96	2.827	2.832	-0.005	95	75519	20.0	18.7	
18 Acetone	43	2.912	2.918	-0.006	86	134559	100.0	95.7	
19 Iodomethane	142	2.987	2.998	-0.011	98	137880	20.0	18.4	
22 Isopropyl alcohol	45	2.993	3.019	-0.027	1	58160	200.0	234.4	
20 Carbon disulfide	76	3.025	3.035	-0.010	100	310419	20.0	19.4	
21 3-Chloro-1-propene	76	3.148	3.158	-0.010	97	47359	20.0	19.6	
23 Methyl acetate	43	3.153	3.164	-0.011	99	307623	100.0	101.3	
24 Cyclopentene	67	3.174	3.180	-0.006	93	216312	20.0	21.1	
29 Acetonitrile	41	3.217	3.228	-0.011	88	133858	200.0	249.9	
26 Methylene Chloride	84	3.281	3.287	-0.006	98	90960	20.0	18.9	
* 25 TBA-d9 (IS)	65	3.265	3.297	-0.032	86	369381	1000.0	1000.0	
27 2-Methyl-2-propanol	59	3.330	3.346	-0.016	98	98581	200.0	198.4	
28 Methyl tert-butyl ether	73	3.442	3.453	-0.011	97	232677	20.0	19.5	
30 trans-1,2-Dichloroethene	96	3.469	3.479	-0.010	98	80514	20.0	19.4	
31 Acrylonitrile	53	3.538	3.549	-0.011	94	307789	200.0	200.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	43	3.624	3.635	-0.010	94	86565	20.0	23.0	
33 Isopropyl ether	45	3.832	3.838	-0.006	99	300163	20.0	23.2	
34 1,1-Dichloroethane	63	3.870	3.881	-0.011	99	160604	20.0	20.6	
35 Vinyl acetate	43	3.881	3.886	-0.005	100	337583	40.0	43.9	
36 2-Chloro-1,3-butadiene	88	3.918	3.923	-0.005	92	72056	20.0	20.4	
37 Tert-butyl ethyl ether	59	4.153	4.164	-0.011	88	262185	20.0	21.3	
* 38 2-Butanone-d5	46	4.351	4.362	-0.011	97	355308	250.0	250.0	
39 2,2-Dichloropropane	79	4.378	4.389	-0.011	95	37793	20.0	21.4	
40 cis-1,2-Dichloroethene	96	4.399	4.405	-0.006	93	89503	20.0	19.5	
41 Ethyl acetate	43	4.410	4.416	-0.006	93	345339	40.0	39.4	
42 2-Butanone (MEK)	72	4.410	4.421	-0.011	95	44338	100.0	88.9	
44 Methyl acrylate	55	4.469	4.474	-0.005	99	63816	20.0	19.3	
43 Propionitrile	54	4.549	4.549	0.000	98	121308	200.0	217.9	
45 Tetrahydrofuran	72	4.630	4.630	0.000	62	22574	40.0	36.4	
46 Chlorobromomethane	128	4.630	4.635	-0.005	90	41071	20.0	18.8	
47 Methacrylonitrile	67	4.651	4.656	-0.005	94	315966	200.0	196.3	
48 Chloroform	83	4.678	4.683	-0.005	98	143741	20.0	19.6	
49 Cyclohexane	56	4.822	4.827	-0.005	96	159286	20.0	21.7	
50 1,1,1-Trichloroethane	97	4.833	4.838	-0.005	97	118073	20.0	19.5	
\$ 51 Dibromofluoromethane (Surr	113	4.838	4.844	-0.006	0	193012	50.0	46.7	
52 Carbon tetrachloride	117	4.956	4.961	-0.005	97	95803	20.0	19.8	
53 1,1-Dichloropropene	75	4.977	4.988	-0.011	97	115915	20.0	20.5	
56 Isobutyl alcohol	43	5.090	5.095	-0.005	94	90549	500.0	517.0	
54 Benzene	78	5.181	5.186	-0.005	96	334337	20.0	21.0	
\$ 55 1,2-Dichloroethane-d4 (Sur	65	5.197	5.202	-0.005	96	220841	50.0	46.8	
57 Isopropyl acetate	43	5.229	5.234	-0.005	96	255653	20.0	21.5	
58 Tert-amyl methyl ether	73	5.239	5.245	-0.006	91	247575	20.0	20.2	
59 1,2-Dichloroethane	62	5.271	5.277	-0.006	95	105626	20.0	19.5	
60 n-Heptane	57	5.325	5.336	-0.011	96	82263	20.0	23.0	
* 61 Fluorobenzene	96	5.469	5.475	-0.006	98	623672	50.0	50.0	
62 n-Butanol	56	5.753	5.758	-0.005	91	59043	500.0	527.8	
63 Trichloroethene	95	5.828	5.833	-0.005	97	80011	20.0	19.2	
64 Ethyl acrylate	55	5.946	5.951	-0.005	99	214166	20.0	20.9	
65 Methylcyclohexane	83	5.956	5.962	-0.006	95	150055	20.0	20.8	
66 1,2-Dichloropropane	63	6.122	6.127	-0.005	92	86470	20.0	20.5	
* 67 1,4-Dioxane-d8	96	6.176	6.181	-0.005	39	28553	1000.0	1000.0	
68 Methyl methacrylate	41	6.186	6.192	-0.006	93	136304	40.0	42.6	
69 1,4-Dioxane	88	6.229	6.229	0.000	27	18076	400.0	427.6	
70 n-Propyl acetate	43	6.240	6.240	0.000	99	113768	20.0	21.0	
71 Dibromomethane	93	6.256	6.256	0.000	94	48522	20.0	18.0	
72 Dichlorobromomethane	83	6.400	6.406	-0.006	99	101992	20.0	19.4	
73 2-Chloroethyl vinyl ether	63	6.737	6.737	0.000	76	46417	20.0	20.0	
74 2-Nitropropane	41	6.737	6.737	0.000	80	34891	40.0	45.2	
75 Epichlorohydrin	57	6.844	6.850	-0.006	100	156068	400.0	372.9	
76 cis-1,3-Dichloropropene	75	6.903	6.909	-0.006	94	122569	20.0	19.9	
77 4-Methyl-2-pentanone (MIBK	43	7.064	7.069	-0.005	98	423157	100.0	102.1	
\$ 78 Toluene-d8 (Surr)	98	7.155	7.155	0.000	99	736344	50.0	50.7	
79 Toluene	91	7.229	7.235	-0.006	93	328966	20.0	20.0	
80 trans-1,3-Dichloropropene	75	7.577	7.583	-0.006	98	101614	20.0	19.9	
81 Ethyl methacrylate	69	7.604	7.604	0.000	92	85374	20.0	19.8	
82 1,1,2-Trichloroethane	83	7.797	7.802	-0.005	96	55853	20.0	19.3	
83 Tetrachloroethene	166	7.845	7.850	-0.005	92	69891	20.0	19.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 1,3-Dichloropropane	76	8.011	8.016	-0.005	95	105765	20.0	19.7	
85 2-Hexanone	43	8.064	8.064	0.000	99	271326	100.0	99.0	
86 n-Butyl acetate	43	8.176	8.176	0.000	98	116652	20.0	22.3	
87 Chlorodibromomethane	129	8.246	8.246	0.000	98	66630	20.0	18.8	
88 Ethylene Dibromide	107	8.406	8.406	0.000	98	62128	20.0	19.2	
* 89 Chlorobenzene-d5	117	8.952	8.957	-0.005	88	416291	50.0	50.0	
90 Chlorobenzene	112	8.990	8.990	0.000	94	200806	20.0	19.8	
92 Ethylbenzene	106	9.091	9.091	0.000	99	111653	20.0	20.7	
91 1,1,1,2-Tetrachloroethane	131	9.107	9.107	0.000	95	69476	20.0	19.5	
93 m-Xylene & p-Xylene	106	9.236	9.236	0.000	97	137275	20.0	20.7	
94 n-Butyl acrylate	73	9.642	9.642	0.000	96	49233	20.0	19.5	
95 o-Xylene	106	9.664	9.669	-0.005	93	142201	20.0	20.7	
96 Styrene	104	9.696	9.696	0.000	95	224412	20.0	20.7	
97 Amyl acetate (mixed isomer	43	9.862	9.862	0.000	89	137651	20.0	23.4	
98 Bromoform	173	9.894	9.894	0.000	93	36924	20.0	17.5	
99 Isopropylbenzene	105	10.001	10.001	0.000	96	368143	20.0	21.0	
\$ 100 4-Bromofluorobenzene	174	10.177	10.177	0.000	87	192212	50.0	49.2	
101 Bromobenzene	156	10.295	10.295	0.000	97	82487	20.0	20.2	
102 1,1,2,2-Tetrachloroethane	83	10.322	10.322	0.000	99	92917	20.0	19.1	
103 N-Propylbenzene	91	10.348	10.348	0.000	99	455345	20.0	21.5	
104 1,2,3-Trichloropropane	110	10.364	10.364	0.000	95	22161	20.0	19.1	
105 trans-1,4-Dichloro-2-buten	53	10.375	10.375	0.000	88	25203	20.0	21.0	
106 2-Chlorotoluene	91	10.439	10.439	0.000	92	300479	20.0	21.2	
107 4-Ethyltoluene	105	10.439	10.439	0.000	88	361157	20.0	21.8	
108 1,3,5-Trimethylbenzene	105	10.493	10.493	0.000	92	310746	20.0	21.0	
109 4-Chlorotoluene	91	10.525	10.530	-0.005	98	263165	20.0	21.2	
110 Butyl Methacrylate	87	10.562	10.562	0.000	94	96359	20.0	21.8	
111 tert-Butylbenzene	119	10.723	10.723	0.000	93	243363	20.0	20.6	
112 1,2,4-Trimethylbenzene	105	10.771	10.771	0.000	98	321049	20.0	21.1	
113 sec-Butylbenzene	105	10.878	10.878	0.000	99	414483	20.0	21.4	
114 4-Isopropyltoluene	119	10.974	10.980	-0.006	97	345115	20.0	21.2	
115 1,3-Dichlorobenzene	146	10.985	10.985	0.000	94	164786	20.0	20.6	
* 116 1,4-Dichlorobenzene-d4	152	11.033	11.033	0.000	95	211588	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.049	11.049	0.000	93	163437	20.0	20.2	
118 Benzyl chloride	91	11.145	11.145	0.000	98	150404	20.0	20.1	
119 2,3-Dihydroindene	117	11.194	11.194	0.000	94	326931	20.0	21.3	
120 p-Diethylbenzene	119	11.226	11.226	0.000	92	205993	20.0	22.2	
121 n-Butylbenzene	91	11.242	11.242	0.000	98	422035	20.0	21.8	
122 1,2-Dichlorobenzene	146	11.295	11.295	0.000	95	162168	20.0	20.1	
123 1,2,4,5-Tetramethylbenzene	119	11.696	11.702	-0.006	97	331625	20.0	21.7	
124 1,2-Dibromo-3-Chloropropan	75	11.777	11.782	-0.005	93	18129	20.0	18.4	
125 1,3,5-Trichlorobenzene	180	11.862	11.868	-0.006	96	133504	20.0	20.8	
126 1,2,4-Trichlorobenzene	180	12.269	12.269	0.000	94	125827	20.0	19.6	
127 Hexachlorobutadiene	225	12.333	12.333	0.000	89	52418	20.0	18.2	
128 Naphthalene	128	12.440	12.445	-0.005	99	333997	20.0	19.7	
129 1,2,3-Trichlorobenzene	180	12.606	12.611	-0.005	94	124745	20.0	19.3	
S 130 1,2-Dichloroethene, Total	100				0		40.0	38.9	
S 131 Xylenes, Total	100				0		40.0	41.4	
S 132 Total BTEX	1				0		100.0	103.1	

Reagents:

GASES Li_00148	Amount Added: 2.00	Units: uL	
8260MIX1COMB_00034	Amount Added: 2.00	Units: uL	
ACROLEIN W_00049	Amount Added: 3.00	Units: uL	
8260ISNEW_00059	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00116	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CVOAMS9\\20160411-39732.b\\K52540.D

Injection Date: 11-Apr-2016 21:33:30

Instrument ID: CVOAMS9

Operator ID:

Lims ID: LCS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

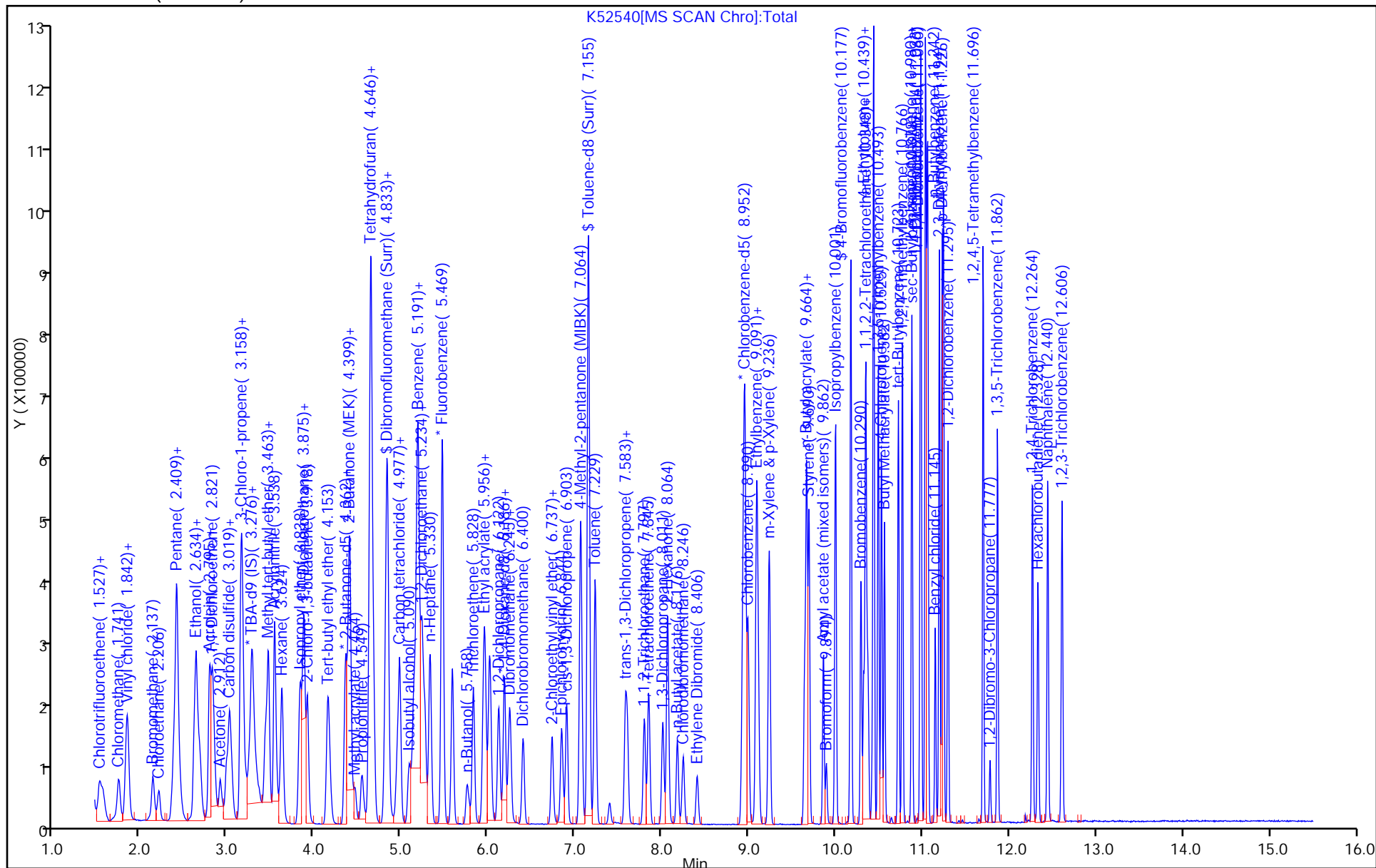
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 460-361975/4

Matrix: Solid Lab File ID: K52541.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 04/11/2016 21:59

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 361975 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	18.5		1.0	0.38
79-34-5	1,1,2,2-Tetrachloroethane	18.3		1.0	0.17
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	18.3		1.0	0.44
79-00-5	1,1,2-Trichloroethane	18.4		1.0	0.28
75-34-3	1,1-Dichloroethane	18.7		1.0	0.34
75-35-4	1,1-Dichloroethene	18.0		1.0	0.41
87-61-6	1,2,3-Trichlorobenzene	17.7		1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	18.4		1.0	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	18.1		1.0	0.47
95-50-1	1,2-Dichlorobenzene	18.9		1.0	0.14
107-06-2	1,2-Dichloroethane	18.4		1.0	0.11
78-87-5	1,2-Dichloropropane	19.1		1.0	0.17
541-73-1	1,3-Dichlorobenzene	19.1		1.0	0.12
106-46-7	1,4-Dichlorobenzene	18.9		1.0	0.13
123-91-1	1,4-Dioxane	440		20	6.4
78-93-3	2-Butanone (MEK)	85.9		5.0	0.77
591-78-6	2-Hexanone	94.7		5.0	0.94
108-10-1	4-Methyl-2-pentanone (MIBK)	98.1		5.0	2.2
67-64-1	Acetone	95.0		5.0	1.1
71-43-2	Benzene	19.6		1.0	0.20
75-25-2	Bromoform	16.7		1.0	0.13
74-83-9	Bromomethane	17.8		1.0	0.32
75-15-0	Carbon disulfide	18.2		1.0	0.43
56-23-5	Carbon tetrachloride	18.7		1.0	0.43
108-90-7	Chlorobenzene	18.8		1.0	0.14
74-97-5	Chlorobromomethane	18.2		1.0	0.17
124-48-1	Chlorodibromomethane	17.9		1.0	0.15
75-00-3	Chloroethane	19.2		1.0	0.35
67-66-3	Chloroform	18.5		1.0	0.21
74-87-3	Chloromethane	22.1		1.0	0.38
156-59-2	cis-1,2-Dichloroethene	18.4		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	18.6		1.0	0.15
110-82-7	Cyclohexane	20.6		1.0	0.46
75-27-4	Dichlorobromomethane	18.3		1.0	0.38
75-71-8	Dichlorodifluoromethane	17.7		1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111954-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 460-361975/4
 Matrix: Solid Lab File ID: K52541.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 04/11/2016 21:59
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 361975 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	19.4		1.0	0.18
106-93-4	Ethylene Dibromide	17.9		1.0	0.12
98-82-8	Isopropylbenzene	20.0		1.0	0.17
79-20-9	Methyl acetate	102		5.0	0.90
1634-04-4	Methyl tert-butyl ether	19.1		1.0	0.17
108-87-2	Methylcyclohexane	19.6		1.0	0.50
75-09-2	Methylene Chloride	17.7		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	19.6		1.0	0.11
95-47-6	o-Xylene	19.8		1.0	0.16
100-42-5	Styrene	19.5		1.0	0.15
127-18-4	Tetrachloroethene	18.4		1.0	0.28
108-88-3	Toluene	18.9		1.0	0.19
156-60-5	trans-1,2-Dichloroethene	18.2		1.0	0.39
10061-02-6	trans-1,3-Dichloropropene	18.8		1.0	0.10
79-01-6	Trichloroethene	18.2		1.0	0.26
75-69-4	Trichlorofluoromethane	16.2		1.0	0.34
75-01-4	Vinyl chloride	19.8		1.0	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		78-135
460-00-4	4-Bromofluorobenzene	99		67-126
1868-53-7	Dibromofluoromethane (Surr)	95		61-149
2037-26-5	Toluene-d8 (Surr)	102		73-121

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS9\20160411-39732.b\K52541.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 11-Apr-2016 21:59:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCSD
 Misc. Info.: 460-0039732-004
 Operator ID: Instrument ID: CVOAMS9
 Method: \\ChromNA\Edison\ChromData\CVOAMS9\20160411-39732.b\8260S9.m
 Limit Group: VOA - 8260C Water and Solid
 Last Update: 12-Apr-2016 10:26:45 Calib Date: 11-Mar-2016 00:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS9\20160310-38298.b\K51273.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: boykink

Date: 12-Apr-2016 03:49:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.543	1.537	0.006	91	15710	20.0	20.7	
2 Dichlorodifluoromethane	85	1.570	1.570	0.000	99	98937	20.0	17.7	
3 Chloromethane	50	1.751	1.751	0.000	100	113799	20.0	22.1	
4 Vinyl chloride	62	1.842	1.842	0.000	98	103329	20.0	19.8	
5 Butadiene	54	1.848	1.853	-0.005	98	85865	20.0	20.6	
6 Bromomethane	94	2.147	2.142	0.005	98	66700	20.0	17.8	
7 Chloroethane	64	2.206	2.211	-0.005	99	52047	20.0	19.2	
9 Dichlorofluoromethane	67	2.393	2.393	0.000	98	158303	20.0	17.5	
8 Trichlorofluoromethane	101	2.393	2.393	0.000	75	108372	20.0	16.2	
10 Pentane	72	2.420	2.425	-0.005	96	24868	40.0	37.6	
12 Ethanol	46	2.623	2.613	0.010	80	17115	800.0	852.3	
11 Ethyl ether	59	2.618	2.618	0.000	93	60707	20.0	19.4	
13 2-Methyl-1,3-butadiene	53	2.640	2.639	0.001	98	70468	20.0	19.7	
14 1,2-Dichloro-1,1,2-trifluo	117	2.672	2.677	-0.005	95	62463	20.0	18.3	
15 Acrolein	56	2.795	2.800	-0.005	97	219512	300.0	437.8	
16 1,1,2-Trichloro-1,2,2-trif	101	2.811	2.821	-0.010	93	76329	20.0	18.3	
17 1,1-Dichloroethene	96	2.832	2.832	0.000	96	72307	20.0	18.0	
18 Acetone	43	2.918	2.918	0.000	86	135695	100.0	95.0	
19 Iodomethane	142	2.998	2.998	0.000	98	127234	20.0	17.1	
22 Isopropyl alcohol	45	3.009	3.019	-0.010	1	60097	200.0	239.7	
20 Carbon disulfide	76	3.030	3.035	-0.005	100	289521	20.0	18.2	
21 3-Chloro-1-propene	76	3.153	3.158	-0.005	97	43423	20.0	18.1	
23 Methyl acetate	43	3.164	3.164	0.000	99	306634	100.0	101.6	
24 Cyclopentene	67	3.175	3.180	-0.006	93	201445	20.0	19.8	
29 Acetonitrile	41	3.228	3.228	0.000	31	132410	200.0	244.7	M
26 Methylene Chloride	84	3.281	3.287	-0.006	97	84565	20.0	17.7	
* 25 TBA-d9 (IS)	65	3.281	3.297	-0.016	100	373172	1000.0	1000.0	
27 2-Methyl-2-propanol	59	3.356	3.346	0.010	93	100440	200.0	200.0	
28 Methyl tert-butyl ether	73	3.447	3.453	-0.006	97	226722	20.0	19.1	
30 trans-1,2-Dichloroethene	96	3.474	3.479	-0.005	98	75267	20.0	18.2	
31 Acrylonitrile	53	3.544	3.549	-0.005	94	300917	200.0	197.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	43	3.629	3.635	-0.005	94	80808	20.0	21.6	
33 Isopropyl ether	45	3.838	3.838	0.000	99	278780	20.0	21.7	
34 1,1-Dichloroethane	63	3.875	3.881	-0.006	100	145289	20.0	18.7	
35 Vinyl acetate	43	3.886	3.886	0.000	100	305897	40.0	40.1	
36 2-Chloro-1,3-butadiene	88	3.923	3.923	0.000	92	66964	20.0	19.1	
37 Tert-butyl ethyl ether	59	4.159	4.164	-0.005	88	248469	20.0	20.3	
* 38 2-Butanone-d5	46	4.357	4.362	-0.005	97	361244	250.0	250.0	
39 2,2-Dichloropropane	79	4.394	4.389	0.005	95	34721	20.0	19.8	
40 cis-1,2-Dichloroethene	96	4.405	4.405	0.000	92	83873	20.0	18.4	
41 Ethyl acetate	43	4.416	4.416	0.000	95	334858	40.0	37.6	
42 2-Butanone (MEK)	72	4.416	4.421	-0.005	95	43521	100.0	85.9	
44 Methyl acrylate	55	4.469	4.474	-0.005	99	59692	20.0	18.2	
43 Propionitrile	54	4.549	4.549	0.000	98	118659	200.0	211.0	
45 Tetrahydrofuran	72	4.630	4.630	0.000	62	21020	40.0	33.4	
46 Chlorobromomethane	128	4.635	4.635	0.000	91	39571	20.0	18.2	
47 Methacrylonitrile	67	4.651	4.656	-0.005	94	302575	200.0	189.2	
48 Chloroform	83	4.683	4.683	0.000	98	134420	20.0	18.5	
49 Cyclohexane	56	4.828	4.827	0.001	95	150442	20.0	20.6	
50 1,1,1-Trichloroethane	97	4.838	4.838	0.000	95	111368	20.0	18.5	
\$ 51 Dibromofluoromethane (Surr	113	4.844	4.844	0.000	0	194434	50.0	47.4	
52 Carbon tetrachloride	117	4.956	4.961	-0.005	97	89823	20.0	18.7	
53 1,1-Dichloropropene	75	4.983	4.988	-0.005	96	106049	20.0	18.9	
56 Isobutyl alcohol	43	5.090	5.095	-0.005	95	86611	500.0	489.5	
54 Benzene	78	5.186	5.186	0.000	96	311140	20.0	19.6	
\$ 55 1,2-Dichloroethane-d4 (Sur	65	5.197	5.202	-0.005	93	216490	50.0	46.1	
57 Isopropyl acetate	43	5.229	5.234	-0.005	96	246729	20.0	20.9	
58 Tert-amyl methyl ether	73	5.239	5.245	-0.006	95	237413	20.0	19.5	
59 1,2-Dichloroethane	62	5.277	5.277	0.000	95	99420	20.0	18.4	
60 n-Heptane	57	5.330	5.336	-0.006	97	73885	20.0	20.8	
* 61 Fluorobenzene	96	5.475	5.475	0.000	98	619914	50.0	50.0	
62 n-Butanol	56	5.758	5.758	0.000	91	59417	500.0	525.7	
63 Trichloroethene	95	5.833	5.833	0.000	97	75084	20.0	18.2	
64 Ethyl acrylate	55	5.951	5.951	0.000	97	200959	20.0	19.7	
65 Methylcyclohexane	83	5.956	5.962	-0.006	93	141069	20.0	19.6	
66 1,2-Dichloropropane	63	6.122	6.127	-0.005	91	79978	20.0	19.1	
* 67 1,4-Dioxane-d8	96	6.181	6.181	0.000	90	27332	1000.0	1000.0	
68 Methyl methacrylate	41	6.186	6.192	-0.006	93	128700	40.0	40.4	
69 1,4-Dioxane	88	6.229	6.229	0.000	82	17814	400.0	440.2	
70 n-Propyl acetate	43	6.240	6.240	0.000	99	106921	20.0	19.8	
71 Dibromomethane	93	6.251	6.256	-0.005	93	45210	20.0	16.9	
72 Dichlorobromomethane	83	6.400	6.406	-0.006	99	95620	20.0	18.3	
73 2-Chloroethyl vinyl ether	63	6.737	6.737	0.000	77	43637	20.0	18.9	
74 2-Nitropropane	41	6.737	6.737	0.000	80	33274	40.0	43.4	
75 Epichlorohydrin	57	6.844	6.850	-0.006	100	151613	400.0	356.3	
76 cis-1,3-Dichloropropene	75	6.903	6.909	-0.006	94	113499	20.0	18.6	
77 4-Methyl-2-pentanone (MIBK	43	7.064	7.069	-0.005	98	413469	100.0	98.1	
\$ 78 Toluene-d8 (Surr)	98	7.155	7.155	0.000	99	734231	50.0	50.8	
79 Toluene	91	7.230	7.235	-0.005	93	309334	20.0	18.9	
80 trans-1,3-Dichloropropene	75	7.577	7.583	-0.006	98	95605	20.0	18.8	
81 Ethyl methacrylate	69	7.604	7.604	0.000	92	82613	20.0	19.2	
82 1,1,2-Trichloroethane	83	7.797	7.802	-0.005	95	53086	20.0	18.4	
83 Tetrachloroethene	166	7.850	7.850	0.000	94	65652	20.0	18.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 1,3-Dichloropropane	76	8.011	8.016	-0.005	95	98651	20.0	18.4	
85 2-Hexanone	43	8.064	8.064	0.000	99	264021	100.0	94.7	
86 n-Butyl acetate	43	8.176	8.176	0.000	98	111336	20.0	21.4	
87 Chlorodibromomethane	129	8.241	8.246	-0.005	98	63169	20.0	17.9	
88 Ethylene Dibromide	107	8.407	8.406	0.000	99	57720	20.0	17.9	
* 89 Chlorobenzene-d5	117	8.952	8.957	-0.005	88	414455	50.0	50.0	
90 Chlorobenzene	112	8.990	8.990	0.000	94	189655	20.0	18.8	
92 Ethylbenzene	106	9.091	9.091	0.000	99	104182	20.0	19.4	
91 1,1,1,2-Tetrachloroethane	131	9.107	9.107	0.000	94	65967	20.0	18.6	
93 m-Xylene & p-Xylene	106	9.236	9.236	0.000	97	129146	20.0	19.6	
94 n-Butyl acrylate	73	9.642	9.642	0.000	96	47180	20.0	18.7	
95 o-Xylene	106	9.664	9.669	-0.005	93	135563	20.0	19.8	
96 Styrene	104	9.690	9.696	-0.006	95	210665	20.0	19.5	
97 Amyl acetate (mixed isomer	43	9.856	9.862	-0.006	88	135258	20.0	22.7	
98 Bromoform	173	9.894	9.894	0.000	94	35050	20.0	16.7	
99 Isopropylbenzene	105	10.001	10.001	0.000	96	348881	20.0	20.0	
\$ 100 4-Bromofluorobenzene	174	10.177	10.177	0.000	86	191852	50.0	49.3	
101 Bromobenzene	156	10.295	10.295	0.000	97	75572	20.0	18.3	
102 1,1,2,2-Tetrachloroethane	83	10.322	10.322	0.000	98	90338	20.0	18.3	
103 N-Propylbenzene	91	10.348	10.348	0.000	99	433451	20.0	20.3	
104 1,2,3-Trichloropropane	110	10.365	10.364	0.000	95	21613	20.0	18.4	
105 trans-1,4-Dichloro-2-buten	53	10.375	10.375	0.000	88	23582	20.0	19.4	
106 2-Chlorotoluene	91	10.439	10.439	0.000	91	285840	20.0	19.9	
107 4-Ethyltoluene	105	10.439	10.439	0.000	89	345739	20.0	20.6	
108 1,3,5-Trimethylbenzene	105	10.493	10.493	0.000	92	293137	20.0	19.5	
109 4-Chlorotoluene	91	10.525	10.530	-0.005	98	247197	20.0	19.6	
110 Butyl Methacrylate	87	10.562	10.562	0.000	93	90869	20.0	20.3	
111 tert-Butylbenzene	119	10.723	10.723	0.000	93	222566	20.0	18.6	
112 1,2,4-Trimethylbenzene	105	10.766	10.771	-0.005	98	302351	20.0	19.6	
113 sec-Butylbenzene	105	10.878	10.878	0.000	99	391702	20.0	20.0	
114 4-Isopropyltoluene	119	10.974	10.980	-0.006	97	325539	20.0	19.7	
115 1,3-Dichlorobenzene	146	10.985	10.985	0.000	97	154641	20.0	19.1	
* 116 1,4-Dichlorobenzene-d4	152	11.033	11.033	0.000	96	214241	50.0	50.0	
117 1,4-Dichlorobenzene	146	11.049	11.049	0.000	94	154978	20.0	18.9	
118 Benzyl chloride	91	11.146	11.145	0.001	98	144726	20.0	19.1	
119 2,3-Dihydroindene	117	11.194	11.194	0.000	94	313341	20.0	20.1	
120 p-Diethylbenzene	119	11.226	11.226	0.000	92	194114	20.0	20.6	
121 n-Butylbenzene	91	11.242	11.242	0.000	98	400413	20.0	20.4	
122 1,2-Dichlorobenzene	146	11.295	11.295	0.000	95	154874	20.0	18.9	
123 1,2,4,5-Tetramethylbenzene	119	11.697	11.702	-0.005	97	309569	20.0	20.0	
124 1,2-Dibromo-3-Chloropropan	75	11.777	11.782	-0.005	95	18045	20.0	18.1	
125 1,3,5-Trichlorobenzene	180	11.862	11.868	-0.006	96	125346	20.0	19.3	
126 1,2,4-Trichlorobenzene	180	12.269	12.269	0.000	94	119065	20.0	18.4	
127 Hexachlorobutadiene	225	12.333	12.333	0.000	91	49139	20.0	16.8	
128 Naphthalene	128	12.440	12.445	-0.005	99	325535	20.0	19.0	
129 1,2,3-Trichlorobenzene	180	12.606	12.611	-0.005	95	116089	20.0	17.7	
S 130 1,2-Dichloroethene, Total	100				0		40.0	36.6	
S 131 Xylenes, Total	100				0		40.0	39.4	
S 132 Total BTEX	1				0		100.0	97.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GASES Li_00148	Amount Added: 2.00	Units: uL	
8260MIX1COMB_00034	Amount Added: 2.00	Units: uL	
ACROLEIN W_00049	Amount Added: 3.00	Units: uL	
8260ISNEW_00059	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00116	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CVOAMS9\\20160411-39732.b\\K52541.D

Injection Date: 11-Apr-2016 21:59:30

Instrument ID: CVOAMS9

Operator ID:

Lims ID: LCSD

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

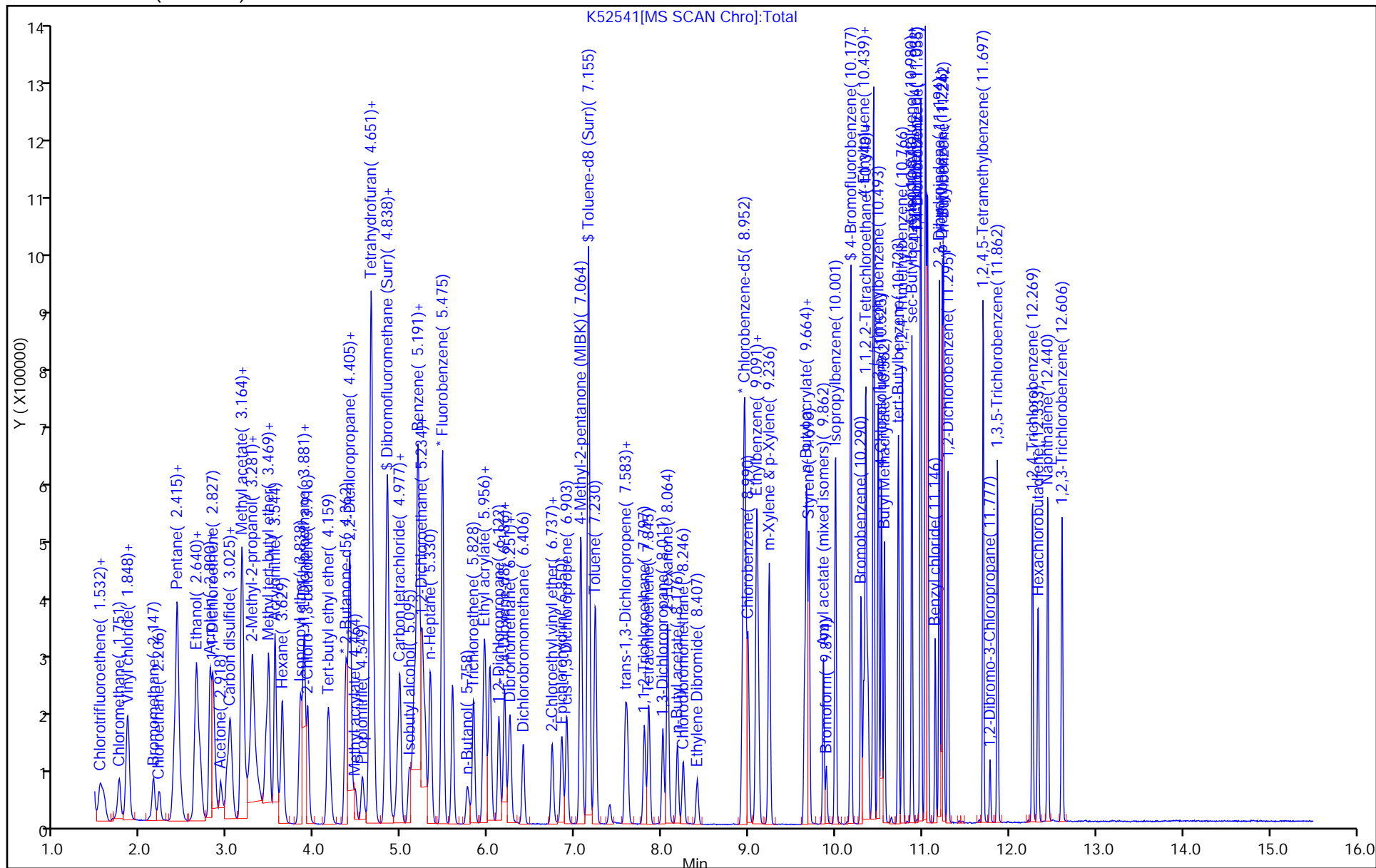
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8260S9

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: CVOAMS9 Start Date: 03/10/2016 21:40Analysis Batch Number: 355383 End Date: 03/11/2016 06:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-355383/1		03/10/2016 21:40	1	K51266.D	Rtx-624 0.25 (mm)
STD1 460-355383/3 IC		03/10/2016 22:34	1	K51268.D	Rtx-624 0.25 (mm)
STD5 460-355383/4 IC		03/10/2016 23:01	1	K51269.D	Rtx-624 0.25 (mm)
STD20 460-355383/5 ICIS		03/10/2016 23:27	1	K51270.D	Rtx-624 0.25 (mm)
STD50 460-355383/6 IC		03/10/2016 23:54	1	K51271.D	Rtx-624 0.25 (mm)
STD200 460-355383/7 IC		03/11/2016 00:21	1	K51272.D	Rtx-624 0.25 (mm)
STD500 460-355383/8 IC		03/11/2016 00:48	1	K51273.D	Rtx-624 0.25 (mm)
ICV 460-355383/13		03/11/2016 03:02	1	K51278.D	Rtx-624 0.25 (mm)
ZZZZZ		03/11/2016 03:28	1		Rtx-624 0.25 (mm)
ZZZZZ		03/11/2016 03:55	1		Rtx-624 0.25 (mm)
ZZZZZ		03/11/2016 04:47	1		Rtx-624 0.25 (mm)
ZZZZZ		03/11/2016 05:14	1		Rtx-624 0.25 (mm)
ZZZZZ		03/11/2016 05:41	1		Rtx-624 0.25 (mm)
ZZZZZ		03/11/2016 06:08	1		Rtx-624 0.25 (mm)
ZZZZZ		03/11/2016 06:34	1		Rtx-624 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: CVOAMS9 Start Date: 04/11/2016 20:40Analysis Batch Number: 361975 End Date: 04/12/2016 05:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-361975/1		04/11/2016 20:40	1	K52538.D	Rtx-624 0.25 (mm)
CCVIS 460-361975/2		04/11/2016 21:07	1	K52539.D	Rtx-624 0.25 (mm)
LCS 460-361975/3		04/11/2016 21:33	1	K52540.D	Rtx-624 0.25 (mm)
LCSD 460-361975/4		04/11/2016 21:59	1	K52541.D	Rtx-624 0.25 (mm)
MB 460-361975/7		04/11/2016 23:18	1	K52544.D	Rtx-624 0.25 (mm)
LB3 460-361960/1-A		04/12/2016 00:14	1	K52545.D	Rtx-624 0.25 (mm)
ZZZZZ		04/12/2016 00:40	1		Rtx-624 0.25 (mm)
ZZZZZ		04/12/2016 01:33	1		Rtx-624 0.25 (mm)
ZZZZZ		04/12/2016 02:00	1		Rtx-624 0.25 (mm)
ZZZZZ		04/12/2016 02:26	1		Rtx-624 0.25 (mm)
460-111954-1		04/12/2016 02:53	1	K52551.D	Rtx-624 0.25 (mm)
ZZZZZ		04/12/2016 03:46	1		Rtx-624 0.25 (mm)
ZZZZZ		04/12/2016 05:06	1		Rtx-624 0.25 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Batch Number: 361960 Batch Start Date: 04/11/16 17:51 Batch Analyst: Morrison, DerekBatch Method: 5035 Batch End Date: 04/11/16 19:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
LB3 460-361960/1		5035, 8260C		5 g	5 mL				
460-111954-C-1	DRY_WELL	5035, 8260C	T	4.89 g	5 mL				

Batch Notes	

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.

8270D

**Semivolatile Organic Compounds
(GC/MS)**

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-111954-1
 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 #
DRY_WELL	460-111954-1	46	45	57	67	56	52
	MB 460-361911/1-A	68	67	71	73	49	88
	LCS 460-361911/2-A	70	69	76	80	68	90
	LCS 460-361911/3-A	71	72	78	81	48	94
	460-111850-A-3-D MS	58	58	65	68	50	76
	460-111850-A-3-E MSD	60	62	68	73	51	76

	<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.: 460-111954-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: L132576.D
 Lab ID: LCS 460-361911/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	3330	2720	82	64-103	
1,2,4,5-Tetrachlorobenzene	3330	2820	85	62-109	
2,2'-oxybis[1-chloropropane]	3330	2390	72	42-119	
2,3,4,6-Tetrachlorophenol	3330	2390	72	57-113	
2,4,5-Trichlorophenol	3330	2390	72	59-105	
2,4,6-Trichlorophenol	3330	2570	77	61-107	
2,4-Dichlorophenol	3330	2440	73	59-99	
2,4-Dimethylphenol	3330	2410	72	60-98	
2,4-Dinitrophenol	6670	4360	65	26-137	
2,4-Dinitrotoluene	3330	2580	78	61-118	
2,6-Dinitrotoluene	3330	2630	79	63-112	
2-Chloronaphthalene	3330	2770	83	63-102	
2-Chlorophenol	3330	2420	72	58-95	
2-Methylnaphthalene	3330	2410	72	64-102	
2-Methylphenol	3330	2320	70	56-99	
2-Nitroaniline	3330	2650	79	46-113	
2-Nitrophenol	3330	2590	78	63-103	
3,3'-Dichlorobenzidine	3330	1530	46	18-92	
3-Nitroaniline	3330	1750	52	23-89	
4,6-Dinitro-2-methylphenol	6670	5330	80	51-124	
4-Bromophenyl phenyl ether	3330	3000	90	65-114	
4-Chloro-3-methylphenol	3330	2410	72	58-108	
4-Chloroaniline	3330	1400	42	10-82	
4-Chlorophenyl phenyl ether	3330	2560	77	63-107	
4-Methylphenol	3330	2320	70	53-103	
4-Nitroaniline	3330	2240	67	44-109	
4-Nitrophenol	6670	4560	68	45-125	
Acenaphthene	3330	2460	74	59-102	
Acenaphthylene	3330	2720	82	63-102	
Acetophenone	3330	2300	69	56-107	
Anthracene	3330	2880	86	66-105	
Benzo[a]anthracene	3330	2760	83	65-106	
Benzo[a]pyrene	3330	2990	90	68-111	
Benzo[b]fluoranthene	3330	2940	88	67-116	
Benzo[g,h,i]perylene	3330	2920	88	49-124	
Benzo[k]fluoranthene	3330	3010	90	65-114	
Bis(2-chloroethoxy)methane	3330	2510	75	61-102	
Bis(2-chloroethyl)ether	3330	2450	73	58-102	
Bis(2-ethylhexyl) phthalate	3330	2840	85	60-125	
Butyl benzyl phthalate	3330	2880	86	62-123	
Carbazole	3330	2700	81	62-107	
Chrysene	3330	2920	88	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.: 460-111954-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: L132576.D
 Lab ID: LCS 460-361911/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Dibenz (a,h) anthracene	3330	3080	92	54-126	
Dibenzofuran	3330	2630	79	62-102	
Diethyl phthalate	3330	2510	75	61-110	
Dimethyl phthalate	3330	2590	78	64-108	
Di-n-butyl phthalate	3330	2680	80	62-114	
Di-n-octyl phthalate	3330	2970	89	52-137	
Fluoranthene	3330	2610	78	59-109	
Fluorene	3330	2540	76	65-108	
Hexachlorobenzene	3330	2880	86	65-117	
Hexachlorobutadiene	3330	2580	77	60-105	
Hexachlorocyclopentadiene	3330	3490	105	37-119	
Hexachloroethane	3330	2420	72	60-94	
Indeno[1,2,3-cd]pyrene	3330	3610	108	50-134	
Isophorone	3330	2610	78	60-102	
Naphthalene	3330	2560	77	64-99	
Nitrobenzene	3330	2690	81	59-102	
N-Nitrosodi-n-propylamine	3330	2410	72	56-112	
N-Nitrosodiphenylamine	3330	2960	89	71-119	
Pentachlorophenol	6670	4860	73	47-115	
Phenanthrene	3330	2770	83	66-105	
Phenol	3330	2360	71	55-99	
Pyrene	3330	3040	91	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.: 460-111954-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: L132577.D
Lab ID: LCS 460-361911/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Atrazine	6670	5820	87	41-116	
Benzaldehyde	6670	5040	76	55-116	
Caprolactam	6670	5840	88	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.: 460-111954-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: L132581.D
Lab ID: 460-111850-A-3-D MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1'-Biphenyl	3550	350 U	2480	70	64-103	
1,2,4,5-Tetrachlorobenzene	3550	350 U	2580	73	62-109	
2,2'-oxybis[1-chloropropane]	3550	350 U	2190	62	42-119	
2,3,4,6-Tetrachlorophenol	3550	350 U	1290	36	57-113	*
2,4,5-Trichlorophenol	3550	350 U	1770	50	59-105	*
2,4,6-Trichlorophenol	3550	140 U	1960	55	61-107	*
2,4-Dichlorophenol	3550	140 U	1970	56	59-99	*
2,4-Dimethylphenol	3550	350 U	2080	59	60-98	*
2,4-Dinitrophenol	7100	280 U	328	5	26-137	*
2,4-Dinitrotoluene	3550	71 U	2390	67	61-118	
2,6-Dinitrotoluene	3550	71 U	2440	69	63-112	
2-Chloronaphthalene	3550	350 U	2520	71	63-102	
2-Chlorophenol	3550	350 U	2120	60	58-95	
2-Methylnaphthalene	3550	8.1 J	2190	61	64-102	*
2-Methylphenol	3550	350 U	2080	59	56-99	
2-Nitroaniline	3550	350 U	2400	68	46-113	
2-Nitrophenol	3550	350 U	1780	50	63-103	*
3,3'-Dichlorobenzidine	3550	140 U	2050	58	18-92	
3-Nitroaniline	3550	350 U	2030	57	23-89	
4,6-Dinitro-2-methylphenol	7100	280 U	886	12	51-124	*
4-Bromophenyl phenyl ether	3550	350 U	2650	75	65-114	
4-Chloro-3-methylphenol	3550	350 U	2060	58	58-108	
4-Chloroaniline	3550	350 U	1360	38	10-82	
4-Chlorophenyl phenyl ether	3550	350 U	2310	65	63-107	
4-Methylphenol	3550	350 U	2080	59	53-103	
4-Nitroaniline	3550	350 U	2120	60	44-109	
4-Nitrophenol	7100	710 U	3380	48	45-125	
Acenaphthene	3550	350 U	2130	60	59-102	
Acenaphthylene	3550	350 U	2470	70	63-102	
Acetophenone	3550	350 U	2120	60	56-107	
Anthracene	3550	350 U	2540	72	66-105	
Atrazine	7100	140 U	5190	73	41-116	
Benzaldehyde	7100	350 U	4320	61	55-116	
Benzo[a]anthracene	3550	100	2510	68	65-106	
Benzo[a]pyrene	3550	100	2730	74	68-111	
Benzo[b]fluoranthene	3550	130	2670	72	67-116	
Benzo[g,h,i]perylene	3550	66 J	2690	74	49-124	
Benzo[k]fluoranthene	3550	63	2690	74	65-114	
Bis(2-chloroethoxy)methane	3550	350 U	2330	66	61-102	
Bis(2-chloroethyl)ether	3550	35 U	2230	63	58-102	
Bis(2-ethylhexyl) phthalate	3550	350 U	2550	72	60-125	
Butyl benzyl phthalate	3550	350 U	2660	75	62-123	

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.: 460-111954-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: L132581.D
 Lab ID: 460-111850-A-3-D MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Caprolactam	7100	350 U	3610	51	44-129	
Carbazole	3550	350 U	2420	68	62-107	
Chrysene	3550	110 J	2660	72	64-105	
Dibenz (a,h) anthracene	3550	35 U	2850	80	54-126	
Dibenzofuran	3550	350 U	2390	67	62-102	
Diethyl phthalate	3550	350 U	2320	65	61-110	
Dimethyl phthalate	3550	350 U	2390	67	64-108	
Di-n-butyl phthalate	3550	350 U	2460	69	62-114	
Di-n-octyl phthalate	3550	350 U	2650	75	52-137	
Fluoranthene	3550	160 J	2430	64	59-109	
Fluorene	3550	350 U	2320	65	65-108	
Hexachlorobenzene	3550	35 U	2580	73	65-117	
Hexachlorobutadiene	3550	71 U	2400	68	60-105	
Hexachlorocyclopentadiene	3550	350 U	2940	83	37-119	
Hexachloroethane	3550	35 U	2260	64	60-94	
Indeno[1,2,3-cd]pyrene	3550	82	3330	91	50-134	
Isophorone	3550	140 U	2430	68	60-102	
Naphthalene	3550	16 J	2360	66	64-99	
Nitrobenzene	3550	35 U	2380	67	59-102	
N-Nitrosodi-n-propylamine	3550	35 U	2270	64	56-112	
N-Nitrosodiphenylamine	3550	350 U	2590	73	71-119	
Pentachlorophenol	7100	280 U	640	9	47-115	*
Phenanthrene	3550	60 J	2480	68	66-105	
Phenol	3550	350 U	2100	59	55-99	
Pyrene	3550	180 J	2830	75	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.: 460-111954-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: L132582.D
Lab ID: 460-111850-A-3-E MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1'-Biphenyl	3550	2650	75	7	30	64-103	
1,2,4,5-Tetrachlorobenzene	3550	2740	77	6	30	62-109	
2,2'-oxybis[1-chloropropane]	3550	2280	64	4	30	42-119	
2,3,4,6-Tetrachlorophenol	3550	1480	42	13	30	57-113	*
2,4,5-Trichlorophenol	3550	1900	53	7	30	59-105	*
2,4,6-Trichlorophenol	3550	2070	58	6	30	61-107	*
2,4-Dichlorophenol	3550	2070	58	5	30	59-99	*
2,4-Dimethylphenol	3550	2200	62	6	30	60-98	
2,4-Dinitrophenol	7100	406	6	21	30	26-137	*
2,4-Dinitrotoluene	3550	2560	72	7	30	61-118	
2,6-Dinitrotoluene	3550	2550	72	5	30	63-112	
2-Chloronaphthalene	3550	2660	75	5	30	63-102	
2-Chlorophenol	3550	2190	62	3	30	58-95	
2-Methylnaphthalene	3550	2290	64	4	30	64-102	
2-Methylphenol	3550	2160	61	4	30	56-99	
2-Nitroaniline	3550	2540	72	6	30	46-113	
2-Nitrophenol	3550	1870	53	5	30	63-103	*
3,3'-Dichlorobenzidine	3550	2080	59	2	30	18-92	
3-Nitroaniline	3550	2030	57	0	30	23-89	
4,6-Dinitro-2-methylphenol	7100	1450	20	48	30	51-124	*
4-Bromophenyl phenyl ether	3550	2810	79	6	30	65-114	
4-Chloro-3-methylphenol	3550	2120	60	3	30	58-108	
4-Chloroaniline	3550	1200	34	13	30	10-82	
4-Chlorophenyl phenyl ether	3550	2450	69	6	30	63-107	
4-Methylphenol	3550	2150	61	3	30	53-103	
4-Nitroaniline	3550	2200	62	4	30	44-109	
4-Nitrophenol	7100	3580	50	6	30	45-125	
Acenaphthene	3550	2240	63	5	30	59-102	
Acenaphthylene	3550	2640	75	7	30	63-102	
Acetophenone	3550	2200	62	4	30	56-107	
Anthracene	3550	2720	77	7	30	66-105	
Atrazine	7100	5490	77	6	30	41-116	
Benzaldehyde	7100	4300	61	1	30	55-116	
Benzo[a]anthracene	3550	2660	72	6	30	65-106	
Benzo[a]pyrene	3550	2850	78	4	30	68-111	
Benzo[b]fluoranthene	3550	2790	75	4	30	67-116	
Benzo[g,h,i]perylene	3550	2780	77	3	30	49-124	
Benzo[k]fluoranthene	3550	2840	78	5	30	65-114	
Bis(2-chloroethoxy)methane	3550	2410	68	3	30	61-102	
Bis(2-chloroethyl)ether	3550	2330	66	5	30	58-102	
Bis(2-ethylhexyl) phthalate	3550	2690	76	5	30	60-125	
Butyl benzyl phthalate	3550	2740	77	3	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.: 460-111954-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: L132582.D
 Lab ID: 460-111850-A-3-E MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Caprolactam	7100	3250	46	10	30	44-129	
Carbazole	3550	2590	73	7	30	62-107	
Chrysene	3550	2810	76	5	30	64-105	
Dibenz (a,h) anthracene	3550	2970	84	4	30	54-126	
Dibenzofuran	3550	2500	70	5	30	62-102	
Diethyl phthalate	3550	2460	69	6	30	61-110	
Dimethyl phthalate	3550	2530	71	6	30	64-108	
Di-n-butyl phthalate	3550	2590	73	5	30	62-114	
Di-n-octyl phthalate	3550	2750	77	4	30	52-137	
Fluoranthene	3550	2610	69	7	30	59-109	
Fluorene	3550	2440	69	5	30	65-108	
Hexachlorobenzene	3550	2720	77	5	30	65-117	
Hexachlorobutadiene	3550	2490	70	3	30	60-105	
Hexachlorocyclopentadiene	3550	3130	88	6	30	37-119	
Hexachloroethane	3550	2350	66	4	30	60-94	
Indeno[1,2,3-cd]pyrene	3550	3490	96	5	30	50-134	
Isophorone	3550	2500	71	3	30	60-102	
Naphthalene	3550	2450	69	4	30	64-99	
Nitrobenzene	3550	2480	70	4	30	59-102	
N-Nitrosodi-n-propylamine	3550	2350	66	3	30	56-112	
N-Nitrosodiphenylamine	3550	2740	77	6	30	71-119	
Pentachlorophenol	7100	1510	21	81	30	47-115	*
Phenanthrene	3550	2660	73	7	30	66-105	
Phenol	3550	2190	62	4	30	55-99	
Pyrene	3550	2850	75	1	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.: 460-111954-1
SDG No.: _____
Lab File ID: L132575.D Lab Sample ID: MB 460-361911/1-A
Matrix: Solid Date Extracted: 04/11/2016 13:02
Instrument ID: CBNAMS12 Date Analyzed: 04/13/2016 08:17
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-361911/2-A	L132576.D	04/13/2016 08:42
	LCS 460-361911/3-A	L132577.D	04/13/2016 09:08
	460-111850-A-3-D MS	L132581.D	04/13/2016 10:52
	460-111850-A-3-E MSD	L132582.D	04/13/2016 11:18
DRY_WELL	460-111954-1	x12801.D	04/13/2016 16:01

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

Lab Name: TestAmerica Edison Job No.: 460-111954-1
SDG No.: _____
Lab File ID: L132490.D DFTPP Injection Date: 04/11/2016
Instrument ID: CBNAMS12 DFTPP Injection Time: 10:12
Analysis Batch No.: 361776

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	57.4
68	Less than 2.0 % of mass 69	0.9 (2.0) 1
69	Mass 69 relative abundance	46.5
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	54.8
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	7.2
275	10.0 - 30.0 % of mass 198	22.6
365	Greater than 1.0 % of mass 198	2.7
441	Present but less than mass 443	10.8 (79.3) 3
442	Greater than 40.0 % of mass 198	70.6
443	17.0 - 23.0 % of mass 442	13.7 (19.4) 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 460-361776/2	L132491.D	04/11/2016	10:45
	STD120 460-361776/3	L132492.D	04/11/2016	11:11
	STD80 460-361776/4	L132493.D	04/11/2016	11:37
	STD20 460-361776/5	L132494.D	04/11/2016	12:03
	STD10 460-361776/6	L132495.D	04/11/2016	12:29
	STD5 460-361776/7	L132496.D	04/11/2016	12:54
	STD2 460-361776/8	L132497.D	04/11/2016	13:20
	STD1 460-361776/9	L132498.D	04/11/2016	13:46
	STD05 460-361776/10	L132499.D	04/11/2016	14:12
	STD50 460-361776/11	L132500.D	04/11/2016	14:39
	STD120 460-361776/12	L132501.D	04/11/2016	15:05
	STD080 460-361776/13	L132502.D	04/11/2016	15:31
	STD020 460-361776/14	L132503.D	04/11/2016	15:57
	STD010 460-361776/15	L132504.D	04/11/2016	16:24
	STD5 460-361776/16	L132505.D	04/11/2016	16:50
	STD2 460-361776/17	L132506.D	04/11/2016	17:16
	ICV 460-361776/18	L132507.D	04/11/2016	17:42
	ICV 460-361776/19	L132508A.D	04/11/2016	18:51

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

Lab Name: TestAmerica Edison Job No.: 460-111954-1
SDG No.: _____
Lab File ID: L132569.D DFTPP Injection Date: 04/13/2016
Instrument ID: CBNAMS12 DFTPP Injection Time: 04:06
Analysis Batch No.: 362222

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	50.9
68	Less than 2.0 % of mass 69	0.8 (1.7) 1
69	Mass 69 relative abundance	43.0
70	Less than 2.0 % of mass 69	0.2 (0.4) 1
127	40.0 - 60.0 % of mass 198	51.2
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.6
275	10.0 - 30.0 % of mass 198	23.8
365	Greater than 1.0 % of mass 198	3.0
441	Present but less than mass 443	11.8 (73.3) 3
442	Greater than 40.0 % of mass 198	81.5
443	17.0 - 23.0 % of mass 442	16.1 (19.8) 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 460-362222/2	L132570.D	04/13/2016	04:42
	CCV 460-362222/3	L132571b.D	04/13/2016	06:27
	MB 460-361911/1-A	L132575.D	04/13/2016	08:17
	LCS 460-361911/2-A	L132576.D	04/13/2016	08:42
	LCS 460-361911/3-A	L132577.D	04/13/2016	09:08
	460-111850-A-3-D MS	L132581.D	04/13/2016	10:52
	460-111850-A-3-E MSD	L132582.D	04/13/2016	11:18

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

Lab Name: TestAmerica Edison Job No.: 460-111954-1
SDG No.: _____
Lab File ID: x12691.D DFTPP Injection Date: 04/11/2016
Instrument ID: CBNAMS5 DFTPP Injection Time: 13:27
Analysis Batch No.: 361914

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	49.4
68	Less than 2.0 % of mass 69	0.8 (2.0) 1
69	Mass 69 relative abundance	40.0
70	Less than 2.0 % of mass 69	0.5 (1.3) 1
127	40.0 - 60.0 % of mass 198	50.2
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	7.0
275	10.0 - 30.0 % of mass 198	24.5
365	Greater than 1.0 % of mass 198	4.3
441	Present but less than mass 443	19.6 (76.4) 3
442	Greater than 40.0 % of mass 198	130.1
443	17.0 - 23.0 % of mass 442	25.7 (19.8) 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 460-361914/2	x12692.D	04/11/2016	13:47
	STD120 460-361914/3	x12693.D	04/11/2016	14:11
	STD80 460-361914/4	x12694.D	04/11/2016	14:35
	STD20 460-361914/5	x12695.D	04/11/2016	15:00
	STD10 460-361914/6	x12696.D	04/11/2016	15:24
	STD5 460-361914/7	x12697.D	04/11/2016	15:48
	STD2 460-361914/8	x12698.D	04/11/2016	16:13
	STD1 460-361914/9	x12699.D	04/11/2016	16:37
	STD05 460-361914/10	x12700.D	04/11/2016	17:01
	STD50 460-361914/11	x12701.D	04/11/2016	17:25
	STD120 460-361914/12	x12702.D	04/11/2016	17:49
	STD80 460-361914/13	x12703.D	04/11/2016	18:14
	STD20 460-361914/14	x12704.D	04/11/2016	18:38
	STD10 460-361914/15	x12705.D	04/11/2016	19:03
	STD5 460-361914/16	x12706.D	04/11/2016	19:27
	STD2 460-361914/17	x12707.D	04/11/2016	19:51

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

Lab Name: TestAmerica Edison Job No.: 460-111954-1
 SDG No.: _____
 Lab File ID: x12778.D DFTPP Injection Date: 04/13/2016
 Instrument ID: CBNAMS5 DFTPP Injection Time: 06:49
 Analysis Batch No.: 362226

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	39.4
68	Less than 2.0 % of mass 69	0.7 (2.0) 1
69	Mass 69 relative abundance	32.4
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	42.9
197	Less than 1.0 % of mass 198	0.0
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	28.9
365	Greater than 1.0 % of mass 198	5.3
441	Present but less than mass 443	23.0 (71.5) 3
442	Greater than 40.0 % of mass 198	173.8
443	17.0 - 23.0 % of mass 442	32.2 (18.5) 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 460-362226/2	x12779.D	04/13/2016	07:04
	CCV 460-362226/3	x12780.D	04/13/2016	07:29
DRY_WELL	460-111954-1	x12801.D	04/13/2016	16:01

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

Lab Name: TestAmerica Edison Job No.: 460-111954-1
 SDG No.: _____
 Sample No.: ICIS 460-361776/2 Date Analyzed: 04/11/2016 10:45
 Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): L132491.D Heated Purge: (Y/N) N
 Calibration ID: 55273

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	185965	4.59	680747	5.88	324496	7.63	
UPPER LIMIT	371930	5.09	1361494	6.38	648992	8.13	
LOWER LIMIT	92983	4.09	340374	5.38	162248	7.13	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-361776/18		145237	4.60	523900	5.88	258666	7.63
ICV 460-361776/19		174034	4.59	631855	5.88	317275	7.64

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.: 460-111954-1
 SDG No.: _____
 Sample No.: ICIS 460-361776/2 Date Analyzed: 04/11/2016 10:45
 Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): L132491.D Heated Purge: (Y/N) N
 Calibration ID: 55273

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	438741	9.10	299807	11.94	255928	13.92	
UPPER LIMIT	877482	9.60	599614	12.44	511856	14.42	
LOWER LIMIT	219371	8.60	149904	11.44	127964	13.42	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-361776/18		379799	9.10	289494	11.93	246937	13.92
ICV 460-361776/19		482499	9.10	349384	11.93	271524	13.92

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.: 460-111954-1
 SDG No.: _____
 Sample No.: CCVIS 460-362222/2 Date Analyzed: 04/13/2016 04:42
 Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): L132570.D Heated Purge: (Y/N) N
 Calibration ID: 55277

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		181675	4.48	618604	5.76	276233	7.52
UPPER LIMIT		363350	4.98	1237208	6.26	552466	8.02
LOWER LIMIT		90838	3.98	309302	5.26	138117	7.02
LAB SAMPLE ID		CLIENT SAMPLE ID					
MB 460-361911/1-A		248343	4.48	923696	5.76	416541	7.51
LCS 460-361911/2-A		252794	4.48	875306	5.76	382088	7.51
LCS 460-361911/3-A		215161	4.48	779186	5.76	354576	7.51
460-111850-A-3-D MS		255989	4.48	899891	5.76	397386	7.51
460-111850-A-3-E MSD		260228	4.48	909827	5.76	392983	7.52

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.: 460-111954-1
 SDG No.: _____
 Sample No.: CCVIS 460-362222/2 Date Analyzed: 04/13/2016 04:42
 Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): L132570.D Heated Purge: (Y/N) N
 Calibration ID: 55277

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	351067	8.98	248460	11.79	245136	13.75	
UPPER LIMIT	702134	9.48	496920	12.29	490272	14.25	
LOWER LIMIT	175534	8.48	124230	11.29	122568	13.25	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-361911/1-A		531540	8.98	283504	11.78	216698	13.73
LCS 460-361911/2-A		473000	8.98	285453	11.78	226696	13.73
LCS 460-361911/3-A		455793	8.98	273717	11.78	221221	13.73
460-111850-A-3-D MS		504854	8.98	305750	11.78	247182	13.74
460-111850-A-3-E MSD		498758	8.98	328024	11.78	276353	13.74

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.: 460-111954-1
 SDG No.: _____
 Sample No.: CCVIS 460-362226/2 Date Analyzed: 04/13/2016 07:04
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x12779.D Heated Purge: (Y/N) N
 Calibration ID: 55296

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1040016	4.40	3447885	5.68	1771069	7.43
UPPER LIMIT		2080032	4.90	6895770	6.18	3542138	7.93
LOWER LIMIT		520008	3.90	1723943	5.18	885535	6.93
LAB SAMPLE ID		CLIENT SAMPLE ID					
CCV 460-362226/3		1011333	4.39	3410482	5.68	1847324	7.42
460-111954-1	DRY_WELL	809106	4.40	2446294	5.68	1149683	7.43

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.: 460-111954-1
 SDG No.: _____
 Sample No.: CCVIS 460-362226/2 Date Analyzed: 04/13/2016 07:04
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x12779.D Heated Purge: (Y/N) N
 Calibration ID: 55296

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		2499772	8.89	1721852	11.68	1416509	13.62
UPPER LIMIT		4999544	9.39	3443704	12.18	2833018	14.12
LOWER LIMIT		1249886	8.39	860926	11.18	708255	13.12
LAB SAMPLE ID		CLIENT SAMPLE ID					
CCV 460-362226/3		2708377	8.89	1896411	11.67	1497664	13.62
460-111954-1		DRY_WELL	1429979	8.89	1303820	11.68	1730252

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>460-111954-1</u>
SDG No.: _____	
Client Sample ID: <u>DRY_WELL</u>	Lab Sample ID: <u>460-111954-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12801.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>04/11/2016 11:50</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/11/2016 20:42</u>
Sample wt/vol: <u>15.0254(g)</u>	Date Analyzed: <u>04/13/2016 16:01</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>9.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362226</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	730	U	730	62
95-94-3	1,2,4,5-Tetrachlorobenzene	730	U	730	54
108-60-1	2,2'-oxybis[1-chloropropane]	730	U	730	30
58-90-2	2,3,4,6-Tetrachlorophenol	730	U	730	68
95-95-4	2,4,5-Trichlorophenol	730	U	730	72
88-06-2	2,4,6-Trichlorophenol	290	U	290	21
120-83-2	2,4-Dichlorophenol	290	U	290	17
105-67-9	2,4-Dimethylphenol	730	U	730	160
51-28-5	2,4-Dinitrophenol	590	U	590	550
121-14-2	2,4-Dinitrotoluene	150	U	150	29
606-20-2	2,6-Dinitrotoluene	150	U	150	39
91-58-7	2-Chloronaphthalene	730	U	730	17
95-57-8	2-Chlorophenol	730	U	730	18
91-57-6	2-Methylnaphthalene	27	J	730	16
95-48-7	2-Methylphenol	730	U	730	32
88-74-4	2-Nitroaniline	730	U	730	24
88-75-5	2-Nitrophenol	730	U	730	24
91-94-1	3,3'-Dichlorobenzidine	290	U	290	81
99-09-2	3-Nitroaniline	730	U	730	22
534-52-1	4,6-Dinitro-2-methylphenol	590	U	590	190
101-55-3	4-Bromophenyl phenyl ether	730	U	730	23
59-50-7	4-Chloro-3-methylphenol	730	U	730	31
106-47-8	4-Chloroaniline	730	U	730	19
7005-72-3	4-Chlorophenyl phenyl ether	730	U	730	22
106-44-5	4-Methylphenol	730	U	730	20
100-01-6	4-Nitroaniline	730	U	730	28
100-02-7	4-Nitrophenol	1500	U	1500	350
83-32-9	Acenaphthene	110	J	730	18
208-96-8	Acenaphthylene	160	J	730	19
98-86-2	Acetophenone	730	U	730	16
120-12-7	Anthracene	570	J	730	69
1912-24-9	Atrazine	290	U	290	32
100-52-7	Benzaldehyde	730	U	730	55
56-55-3	Benzo[a]anthracene	2200		73	61

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111954-1</u>
SDG No.: _____	
Client Sample ID: <u>DRY_WELL</u>	Lab Sample ID: <u>460-111954-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12801.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>04/11/2016 11:50</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/11/2016 20:42</u>
Sample wt/vol: <u>15.0254(g)</u>	Date Analyzed: <u>04/13/2016 16:01</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>9.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362226</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	2100		73	22
205-99-2	Benzo[b]fluoranthene	2900		73	28
191-24-2	Benzo[g,h,i]perylene	1500		730	42
207-08-9	Benzo[k]fluoranthene	1200		73	32
111-91-1	Bis(2-chloroethoxy)methane	730	U	730	23
111-44-4	Bis(2-chloroethyl)ether	73	U	73	17
117-81-7	Bis(2-ethylhexyl) phthalate	730	U	730	28
85-68-7	Butyl benzyl phthalate	130	J	730	22
105-60-2	Caprolactam	730	U	730	52
86-74-8	Carbazole	120	J	730	18
218-01-9	Chrysene	2500		730	20
53-70-3	Dibenz(a,h)anthracene	480		73	38
132-64-9	Dibenzofuran	60	J	730	22
84-66-2	Diethyl phthalate	730	U	730	21
131-11-3	Dimethyl phthalate	730	U	730	21
84-74-2	Di-n-butyl phthalate	110	J	730	22
117-84-0	Di-n-octyl phthalate	730	U	730	37
206-44-0	Fluoranthene	4300		730	22
86-73-7	Fluorene	130	J	730	16
118-74-1	Hexachlorobenzene	73	U	73	29
87-68-3	Hexachlorobutadiene	150	U	150	20
77-47-4	Hexachlorocyclopentadiene	730	U	730	45
67-72-1	Hexachloroethane	73	U	73	27
193-39-5	Indeno[1,2,3-cd]pyrene	2000		73	48
78-59-1	Isophorone	290	U	290	16
91-20-3	Naphthalene	49	J	730	18
98-95-3	Nitrobenzene	73	U	73	23
621-64-7	N-Nitrosodi-n-propylamine	73	U	73	24
86-30-6	N-Nitrosodiphenylamine	730	U	730	66
87-86-5	Pentachlorophenol	590	U	590	88
85-01-8	Phenanthrene	1300		730	19
108-95-2	Phenol	730	U	730	24
129-00-0	Pyrene	2600		730	33

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111954-1</u>
SDG No.: _____	
Client Sample ID: <u>DRY_WELL</u>	Lab Sample ID: <u>460-111954-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x12801.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>04/11/2016 11:50</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/11/2016 20:42</u>
Sample wt/vol: <u>15.0254(g)</u>	Date Analyzed: <u>04/13/2016 16:01</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>9.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362226</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	56		10-95
321-60-8	2-Fluorobiphenyl	67		27-84
367-12-4	2-Fluorophenol (Surr)	46		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	57		28-92
4165-62-2	Phenol-d5 (Surr)	45		22-88
1718-51-0	Terphenyl-d14 (Surr)	52		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12801.D
 Lims ID: 460-111954-D-1-A Lab Sample ID: 460-111954-1
 Client ID: DRY_WELL
 Sample Type: Client
 Inject. Date: 13-Apr-2016 16:01:30 ALS Bottle#: 24 Worklist Smp#: 24
 Injection Vol: 1.0 ul Dil. Factor: 2.0000
 Sample Info: 460-0039784-024
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 13-Apr-2016 16:47:25 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: bayoumiw

Date: 13-Apr-2016 16:47:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.147	3.112	0.035	95	339867	11.6	
\$ 6 Phenol-d5	99	4.024	4.036	-0.012	87	378846	11.3	
* 14 1,4-Dichlorobenzene-d4	152	4.400	4.394	0.006	97	809106	40.0	
\$ 26 Nitrobenzene-d5	82	4.947	4.959	-0.012	93	365606	14.2	
* 38 Naphthalene-d8	136	5.677	5.677	0.000	99	2446294	40.0	
39 Naphthalene	128	5.694	5.700	-0.006	99	21775	0.3375	
44 2-Methylnaphthalene	142	6.388	6.394	-0.006	84	8237	0.1847	
\$ 51 2-Fluorobiphenyl	172	6.759	6.759	0.000	98	814530	16.7	
61 Acenaphthylene	152	7.282	7.289	-0.007	97	53530	1.07	
* 65 Acenaphthene-d10	164	7.429	7.424	0.005	91	1149683	40.0	
67 Acenaphthene	154	7.459	7.465	-0.006	91	25938	0.7773	
71 Dibenzofuran	168	7.629	7.636	-0.007	94	19516	0.4090	
75 Fluorene	166	7.965	7.971	-0.006	96	29825	0.8680	
\$ 80 2,4,6-Tribromophenol	330	8.206	8.206	0.000	88	132440	14.0	
* 88 Phenanthrene-d10	188	8.888	8.888	0.000	97	1429979	40.0	
89 Phenanthrene	178	8.912	8.918	-0.006	96	364814	9.11	
90 Anthracene	178	8.965	8.965	0.000	99	157442	3.90	
91 Carbazole	167	9.118	9.118	0.000	96	24241	0.8140	
92 Di-n-butyl phthalate	149	9.465	9.459	0.006	98	26576	0.7693	
93 Fluoranthene	202	10.088	10.082	0.006	98	1017996	29.4	
95 Pyrene	202	10.312	10.312	0.000	98	896845	17.8	
\$ 96 Terphenyl-d14	244	10.470	10.465	0.005	99	529219	13.1	
97 Butyl benzyl phthalate	149	11.000	10.994	0.006	94	13516	0.8859	
101 Benzo[a]anthracene	228	11.665	11.659	0.005	96	578616	15.3	
* 102 Chrysene-d12	240	11.676	11.670	0.006	98	1303820	40.0	
103 Chrysene	228	11.712	11.706	0.006	99	584446	17.2	
106 Benzo[b]fluoranthene	252	13.094	13.088	0.006	96	903505	19.8	
107 Benzo[k]fluoranthene	252	13.129	13.123	0.006	95	390364	7.98	
108 Benzo[a]pyrene	252	13.541	13.535	0.006	98	575696	14.1	
* 109 Perylene-d12	264	13.629	13.617	0.012	97	1730252	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.176	15.170	0.006	95	479109	13.7	
111 Dibenz(a,h)anthracene	278	15.205	15.206	-0.001	94	125992	3.29	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
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112 Benzo[g,h,i]perylene

276

15.611

15.606

0.005

95

427881

9.97

Reagents:

SM_ISTD_00105

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160413-39784.b\\x12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Worklist Smp#: 24

Client ID: DRY_WELL

Injection Vol: 1.0 ul

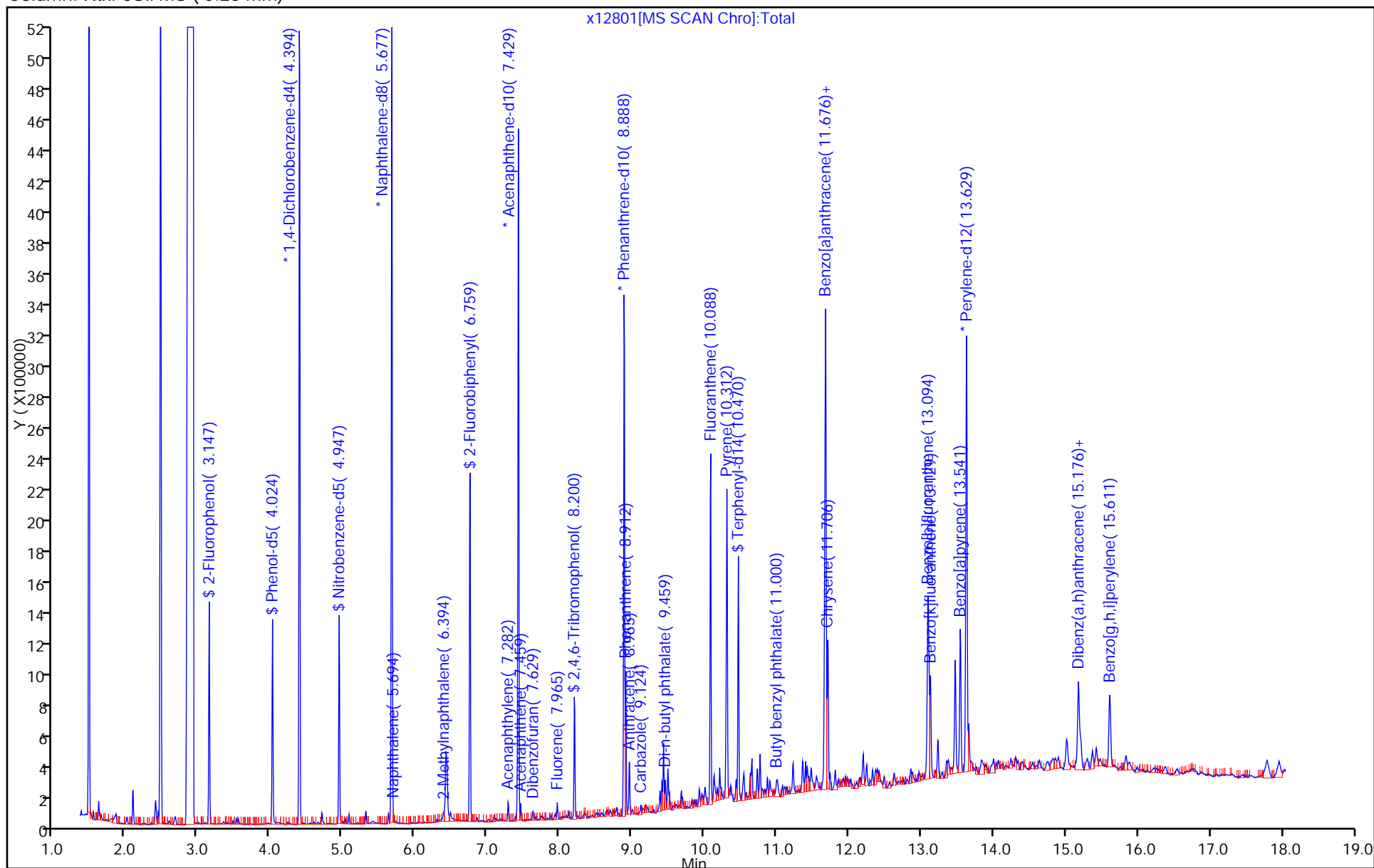
Dil. Factor: 2.0000

ALS Bottle#: 24

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160413-39784.b\\x12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Client ID: DRY_WELL

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

Limit Group:

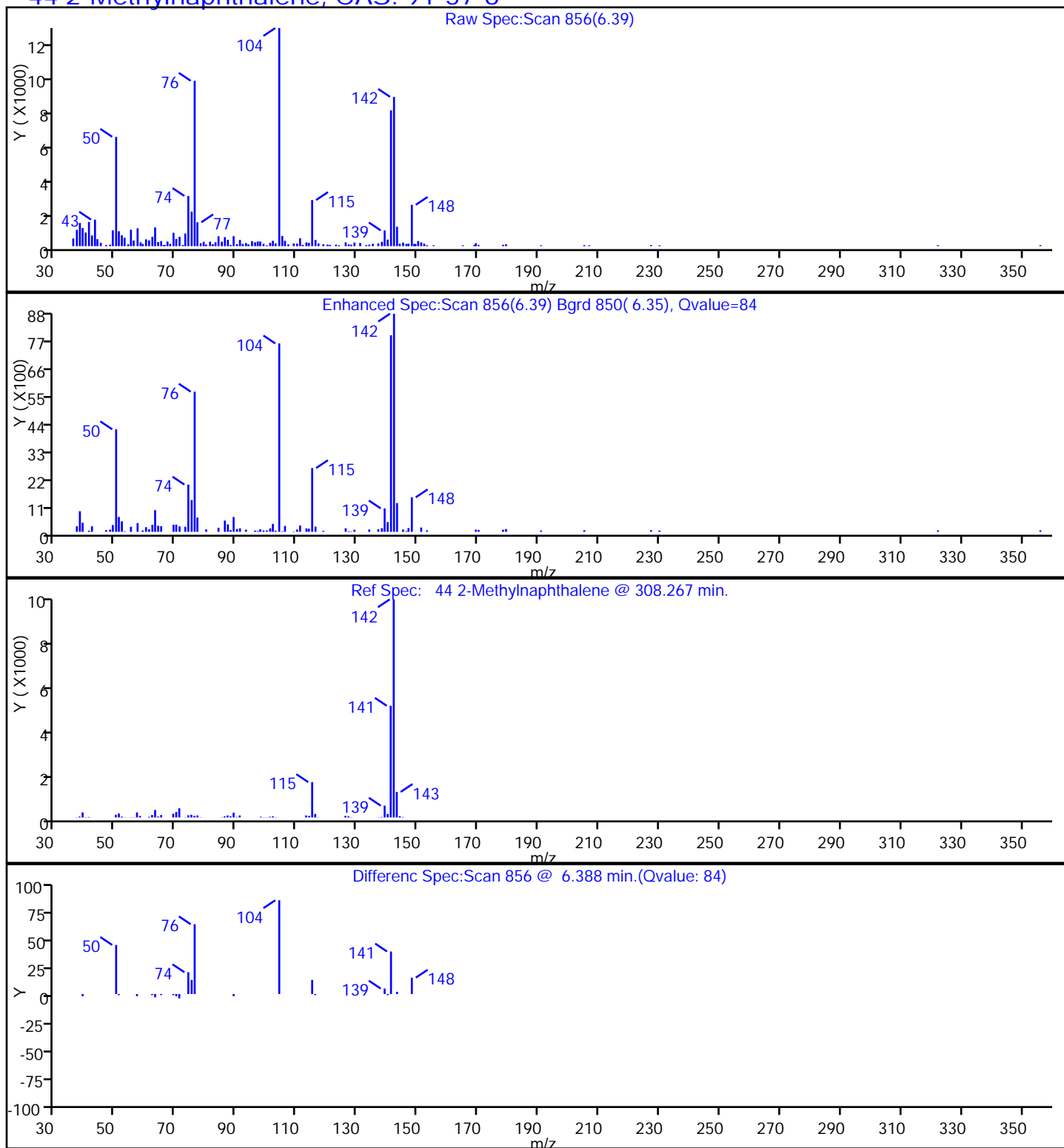
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

44 2-Methylnaphthalene, CAS: 91-57-6



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Client ID: DRY_WELL

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

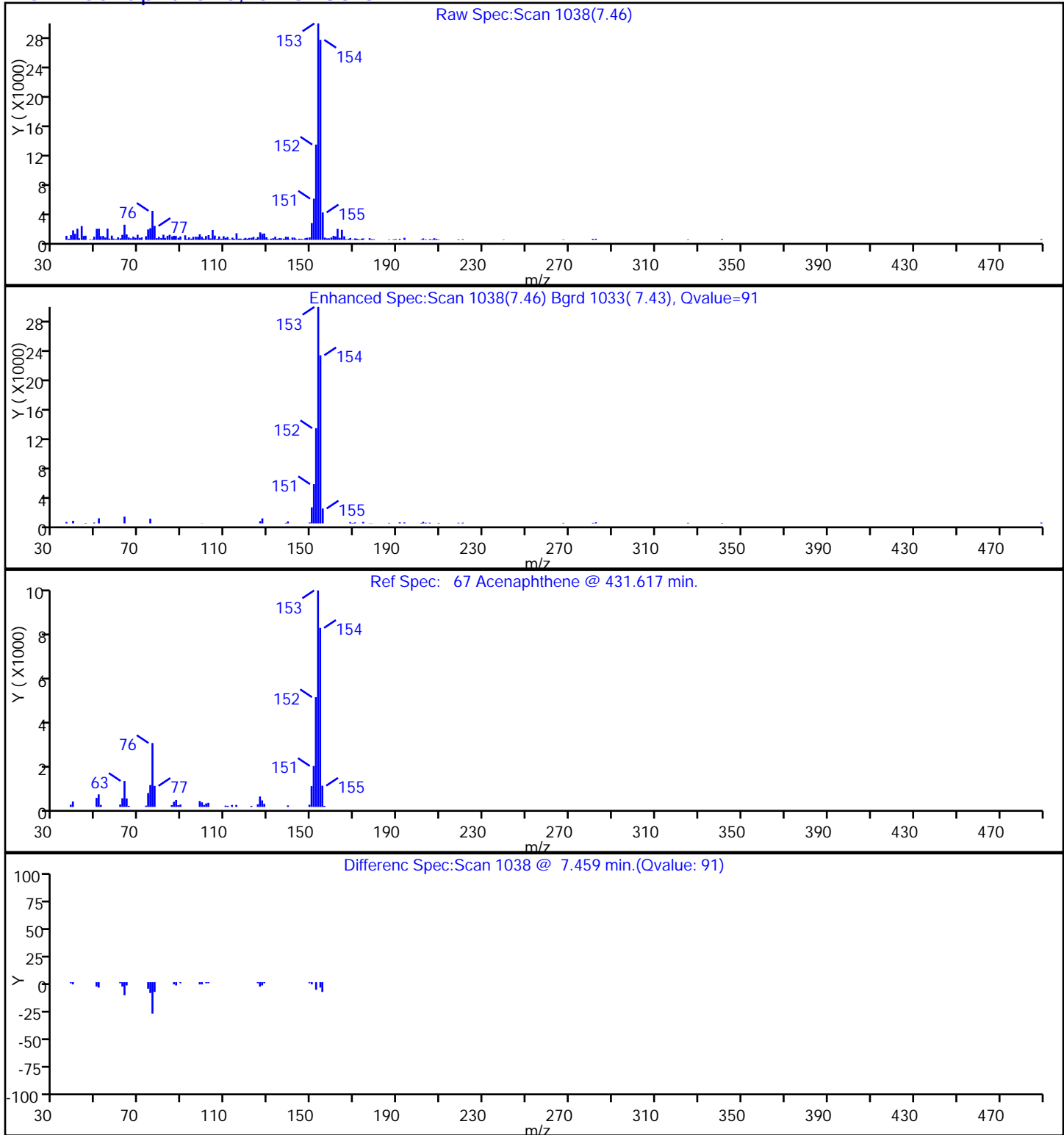
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Client ID: DRY_WELL

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

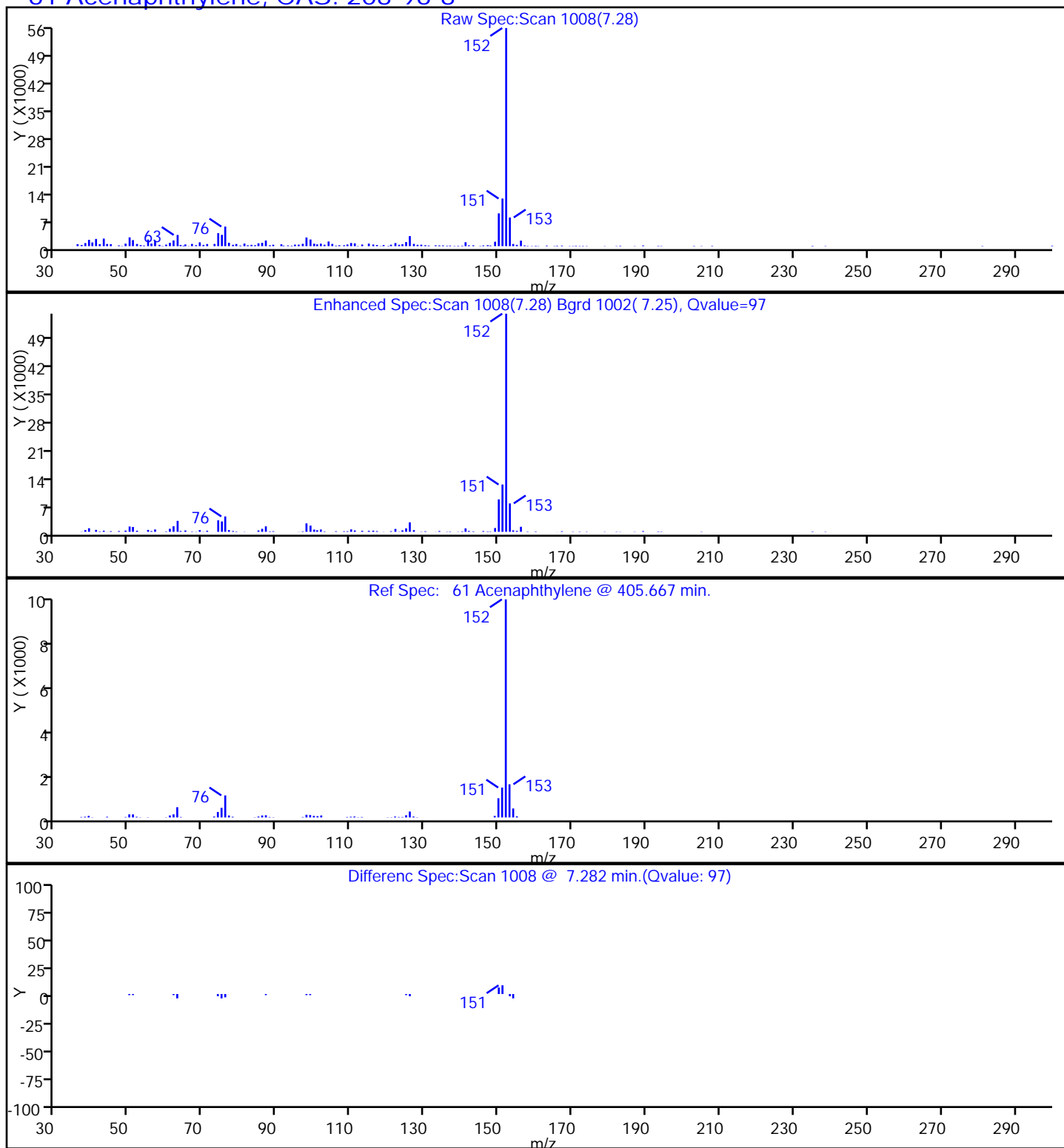
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

61 Acenaphthylene, CAS: 208-96-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Client ID: DRY_WELL

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

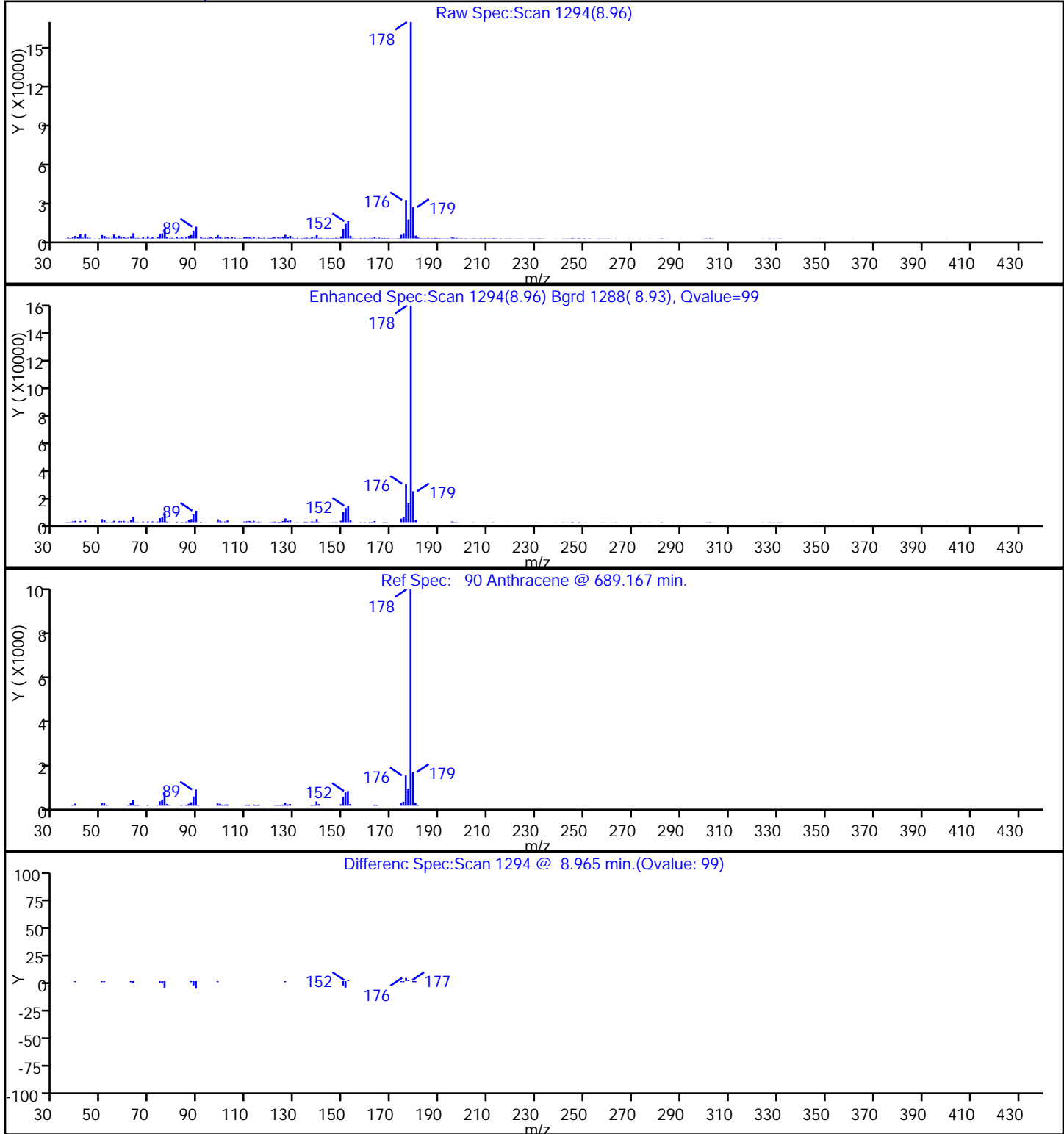
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

90 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Client ID: DRY_WELL

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

Limit Group:

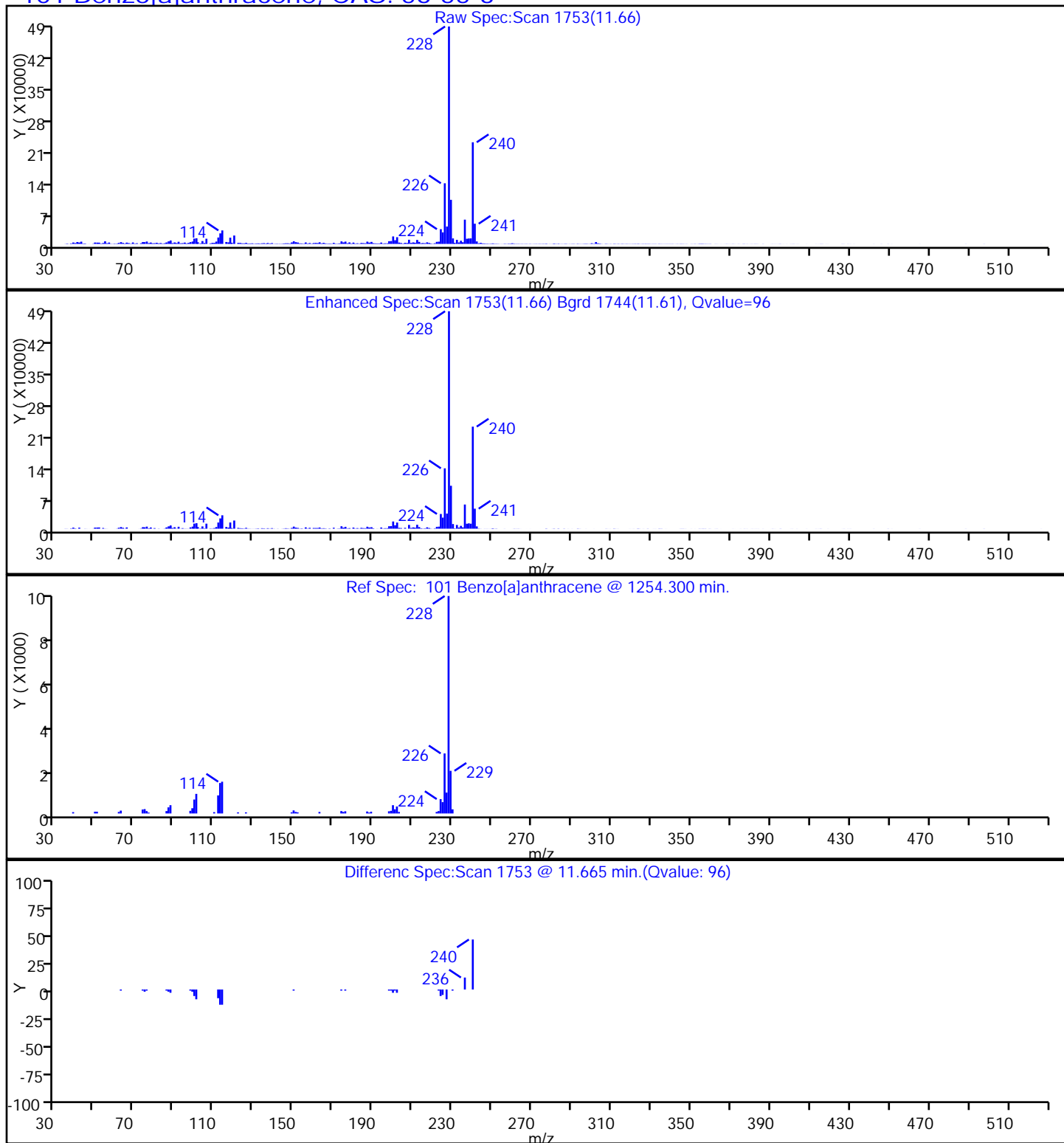
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Client ID: DRY_WELL

Operator ID:

ALS Bottle#: 24 Worklist Smp#: 24

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

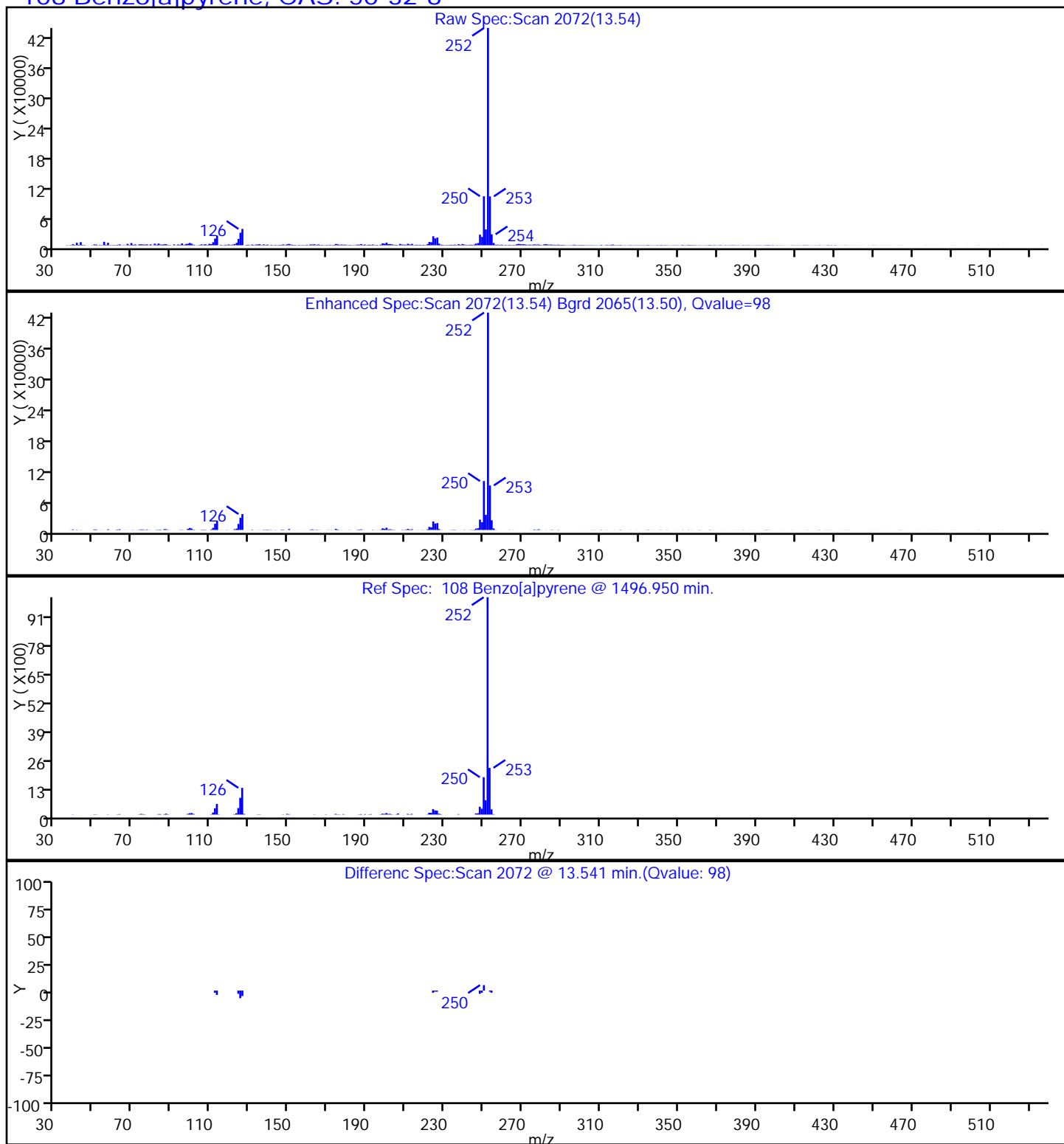
Method: 8270_5R

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\20160413-39784.b\12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Client ID: DRY_WELL

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

Limit Group:

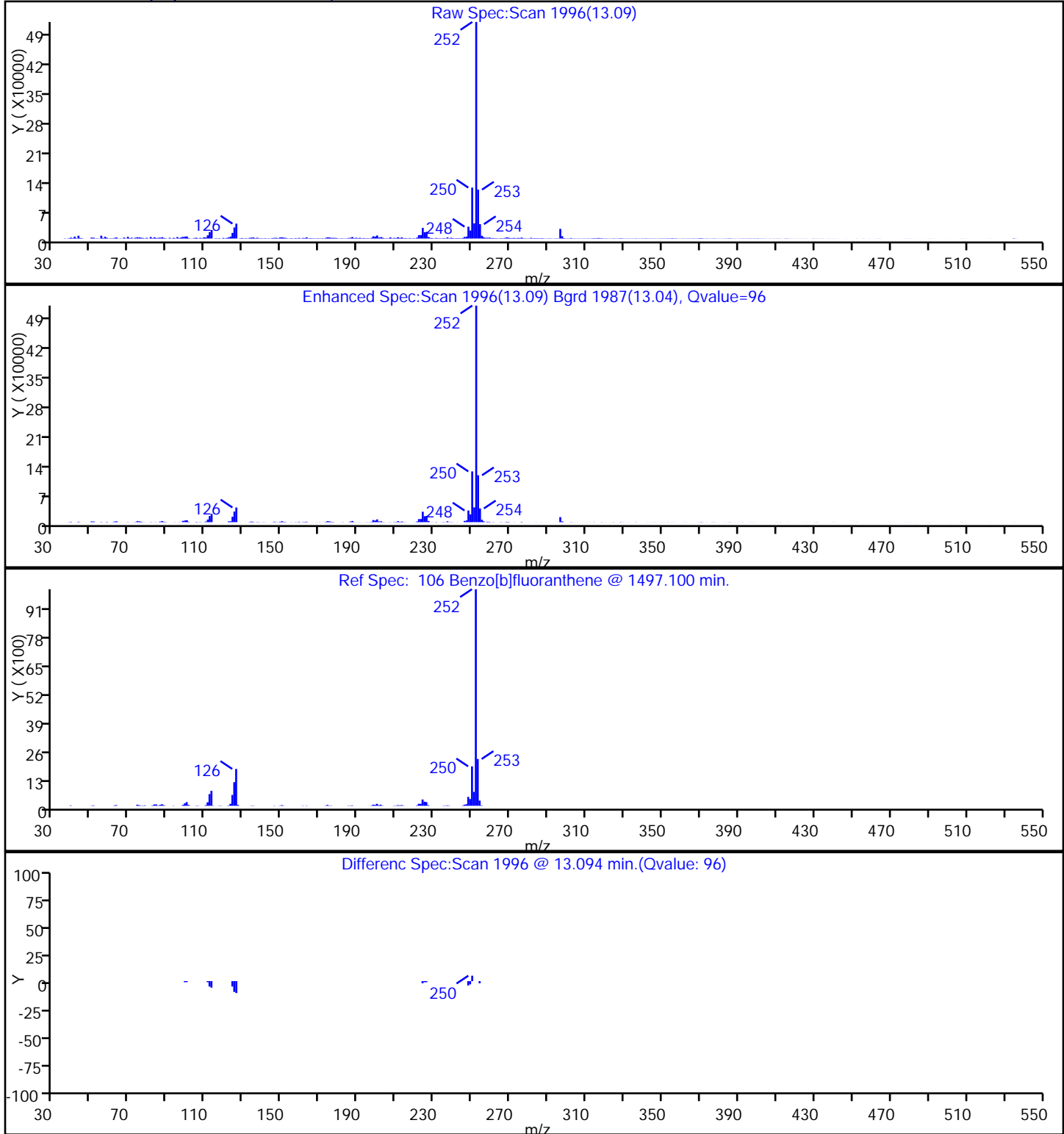
SV 8270D ICAL

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\20160413-39784.b\12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Client ID: DRY_WELL

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

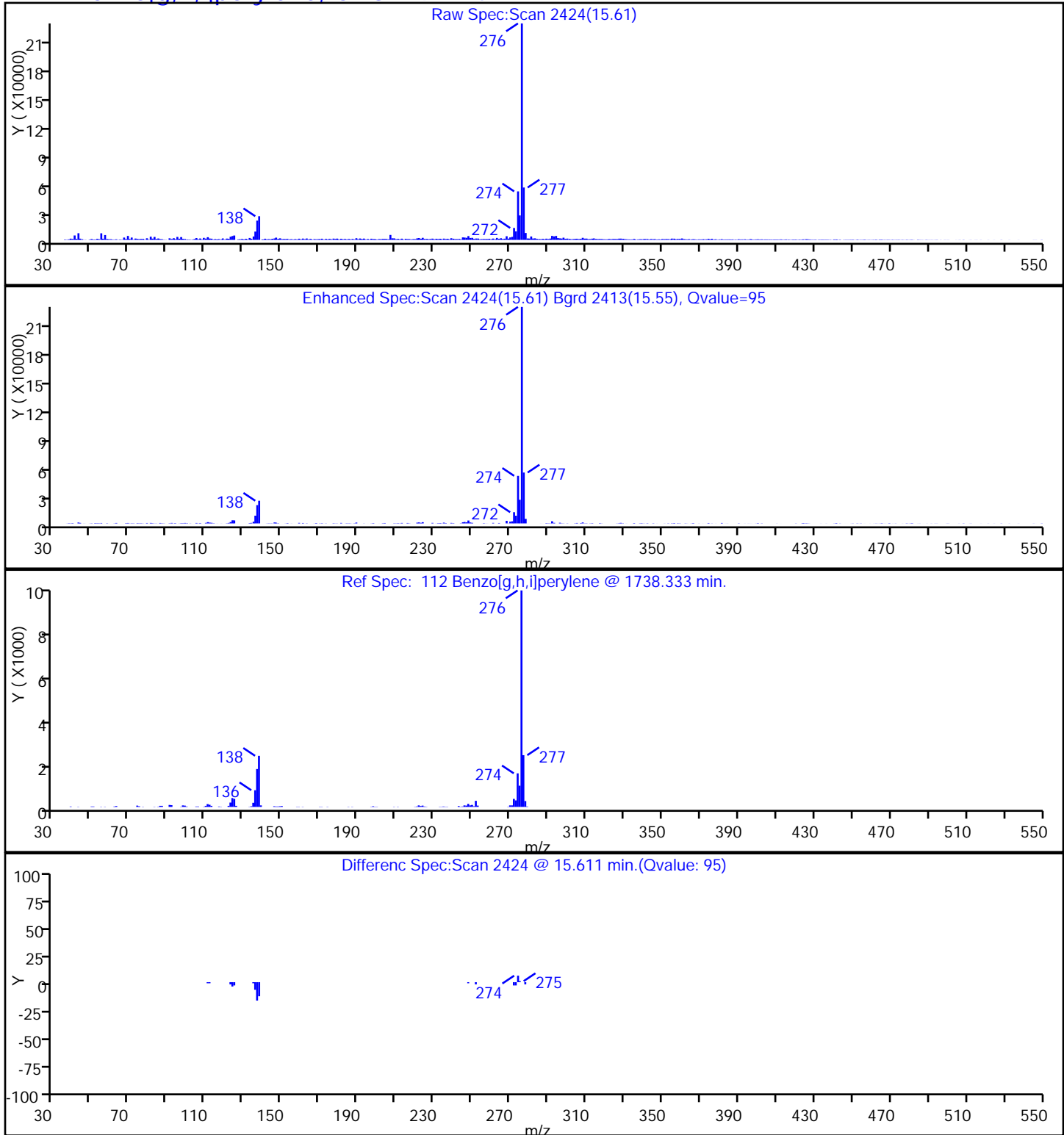
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Client ID: DRY_WELL

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

Limit Group:

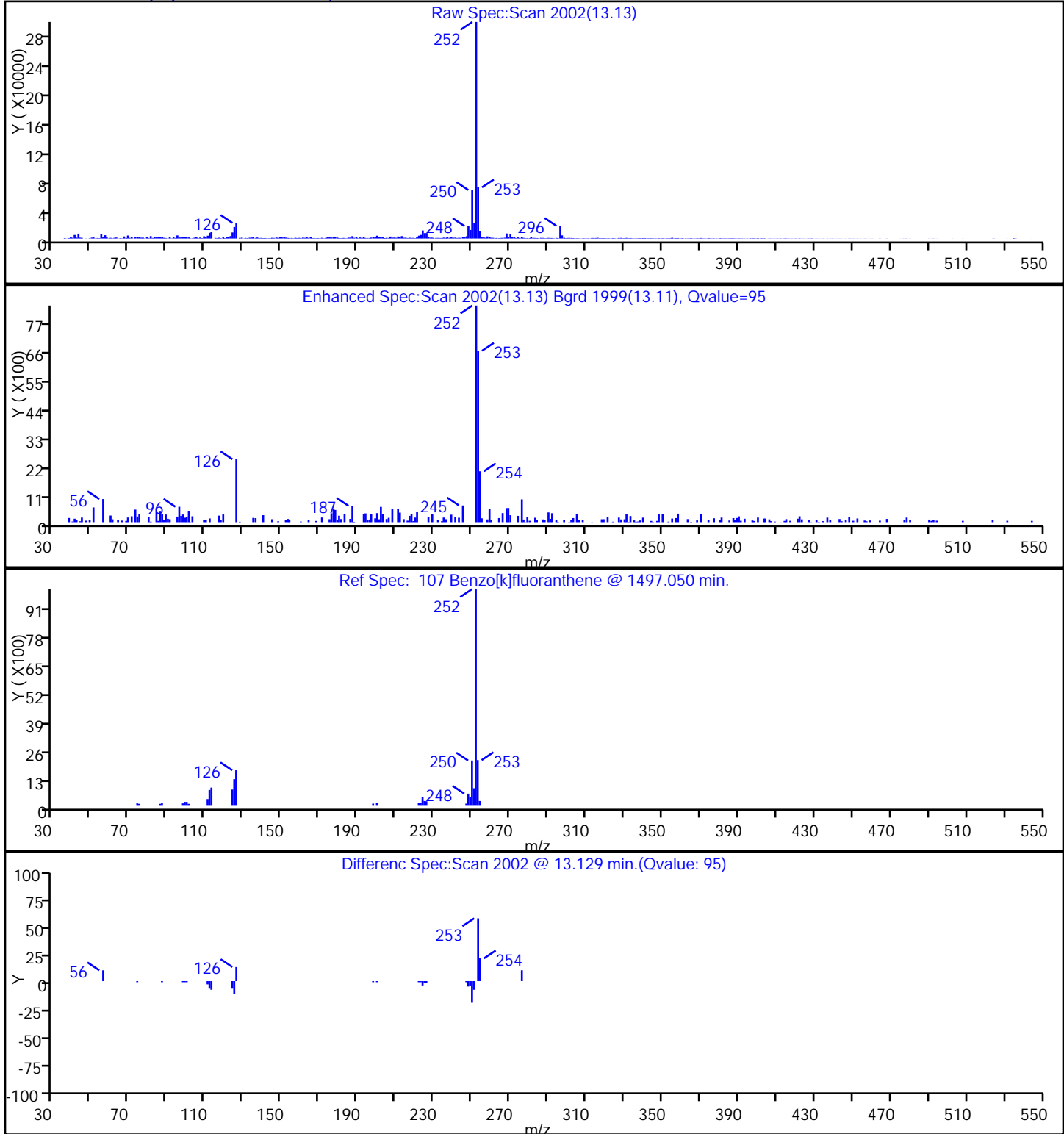
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Client ID: DRY_WELL

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

Limit Group:

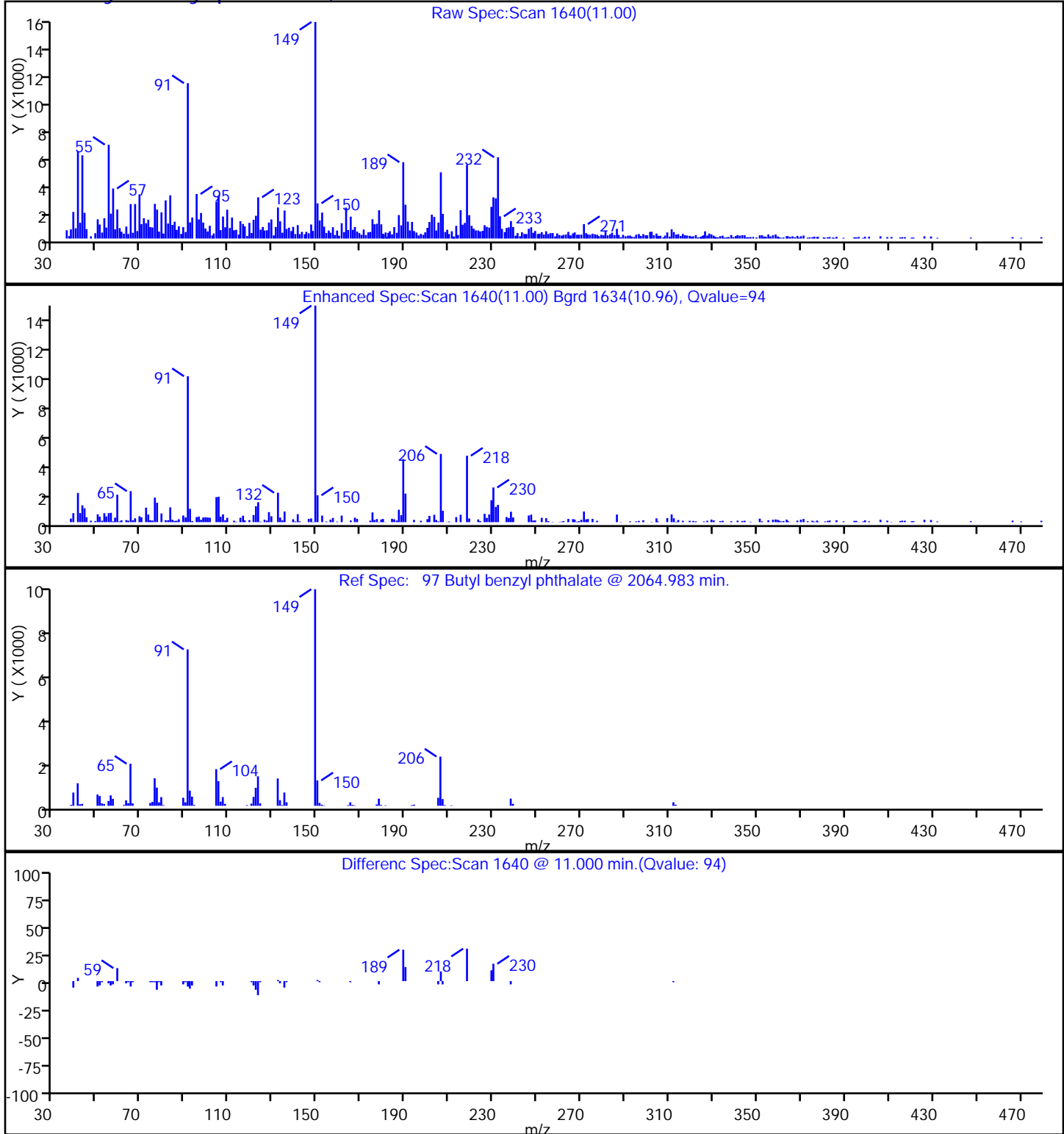
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

97 Butyl benzyl phthalate, CAS: 85-68-7



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Client ID: DRY_WELL

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

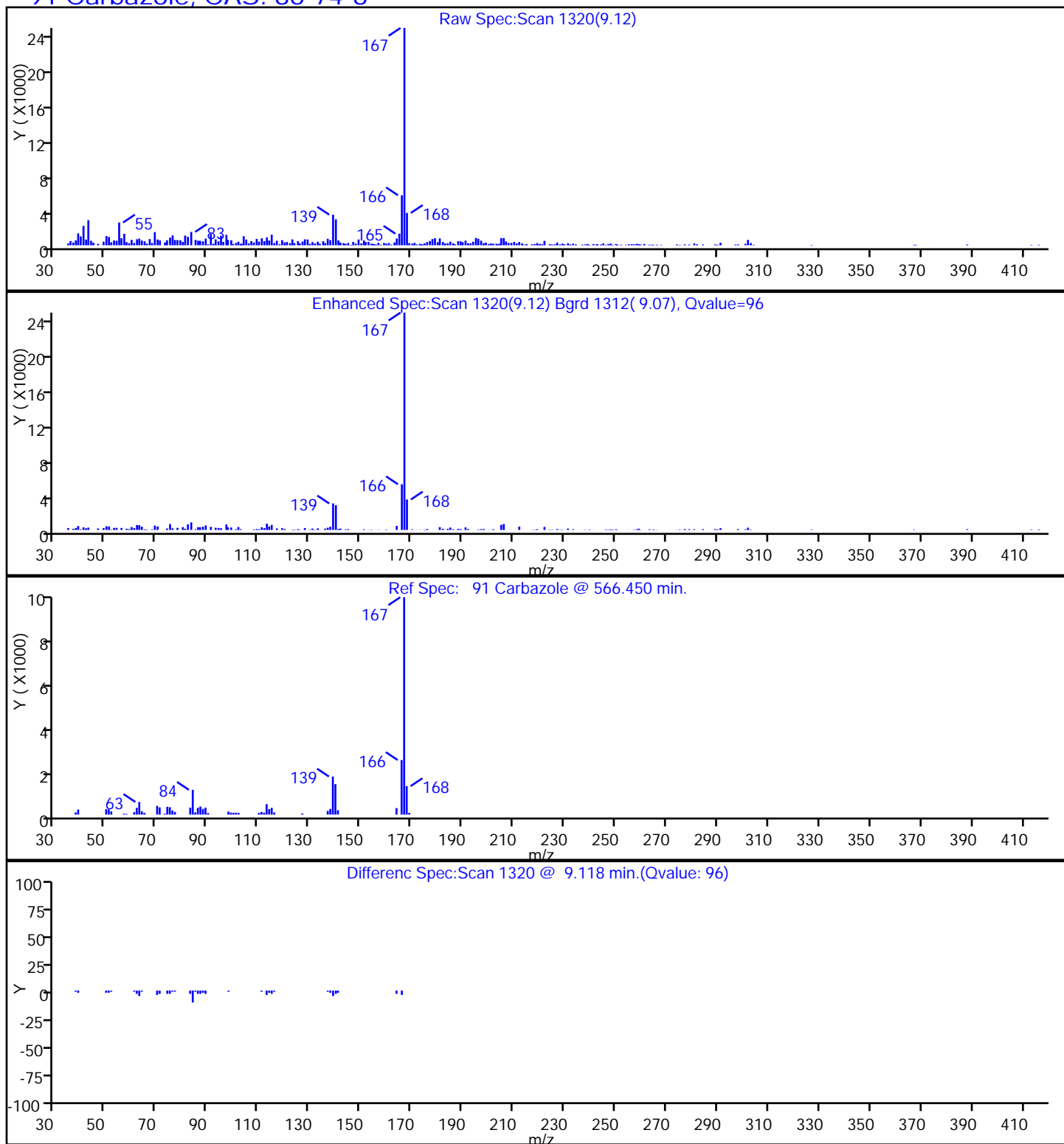
Dil. Factor: 2.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

91 Carbazole, CAS: 86-74-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Client ID: DRY_WELL

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

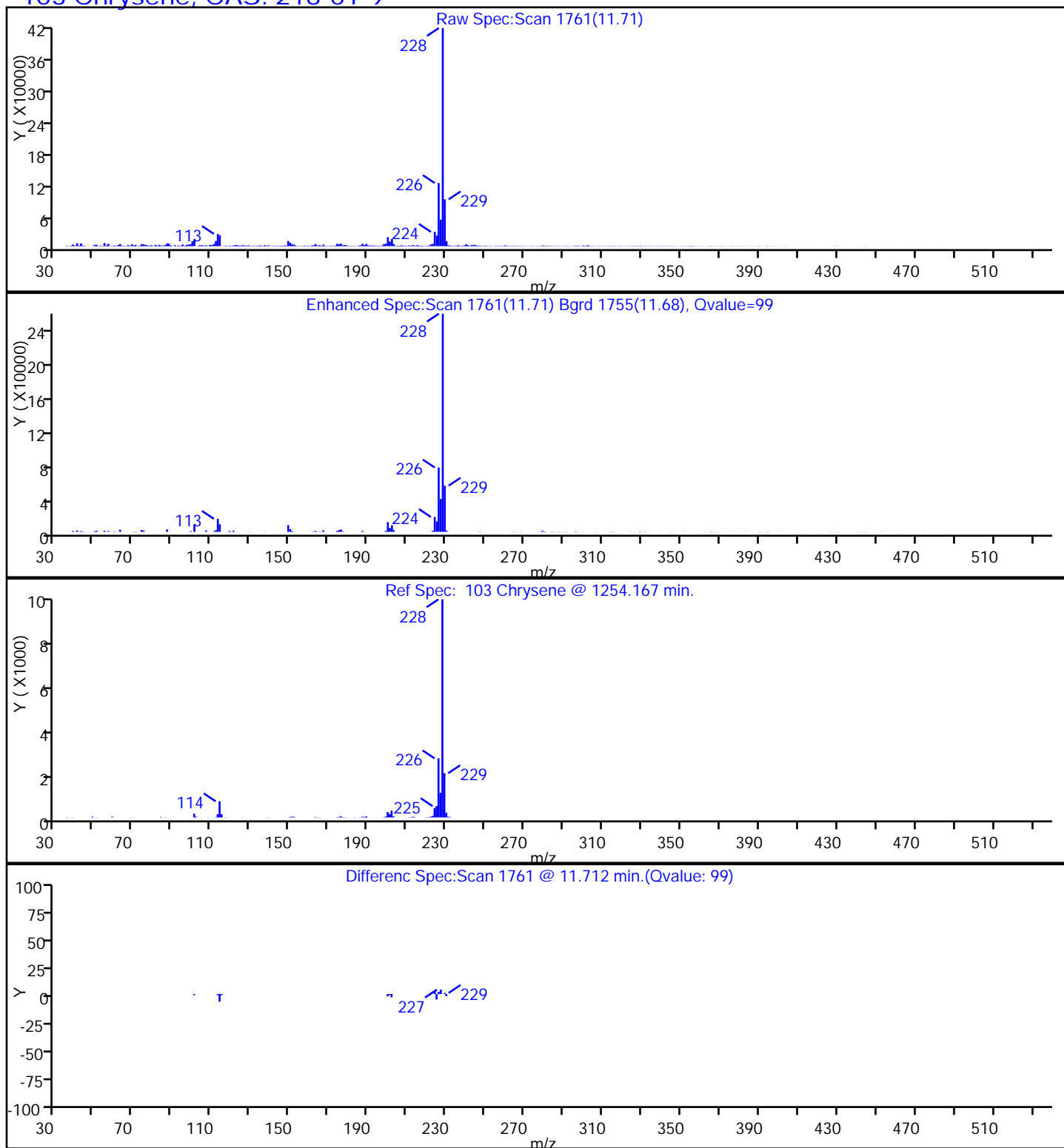
Limit Group:

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\20160413-39784.b\12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Client ID: DRY_WELL

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

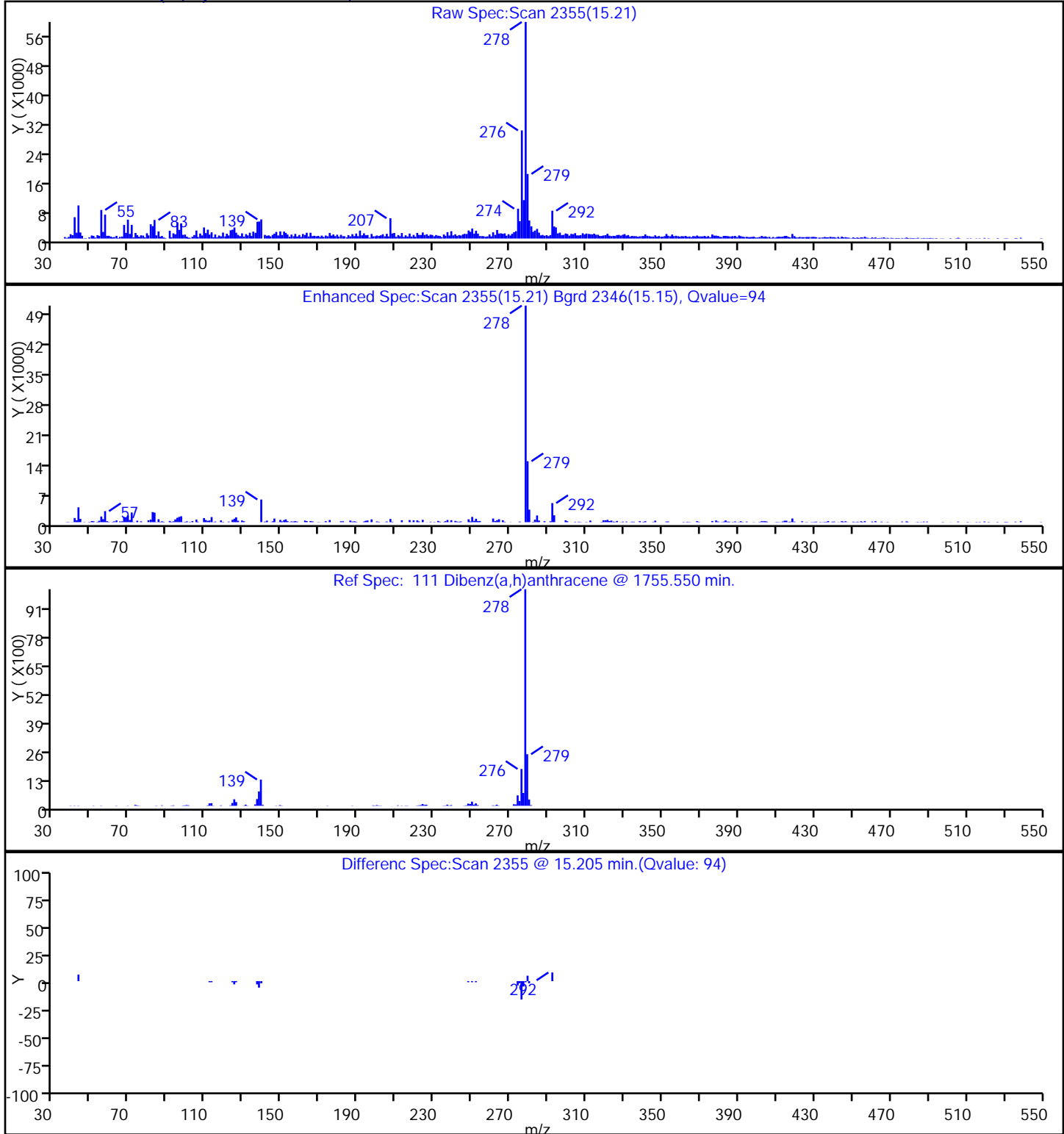
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Client ID: DRY_WELL

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

Limit Group:

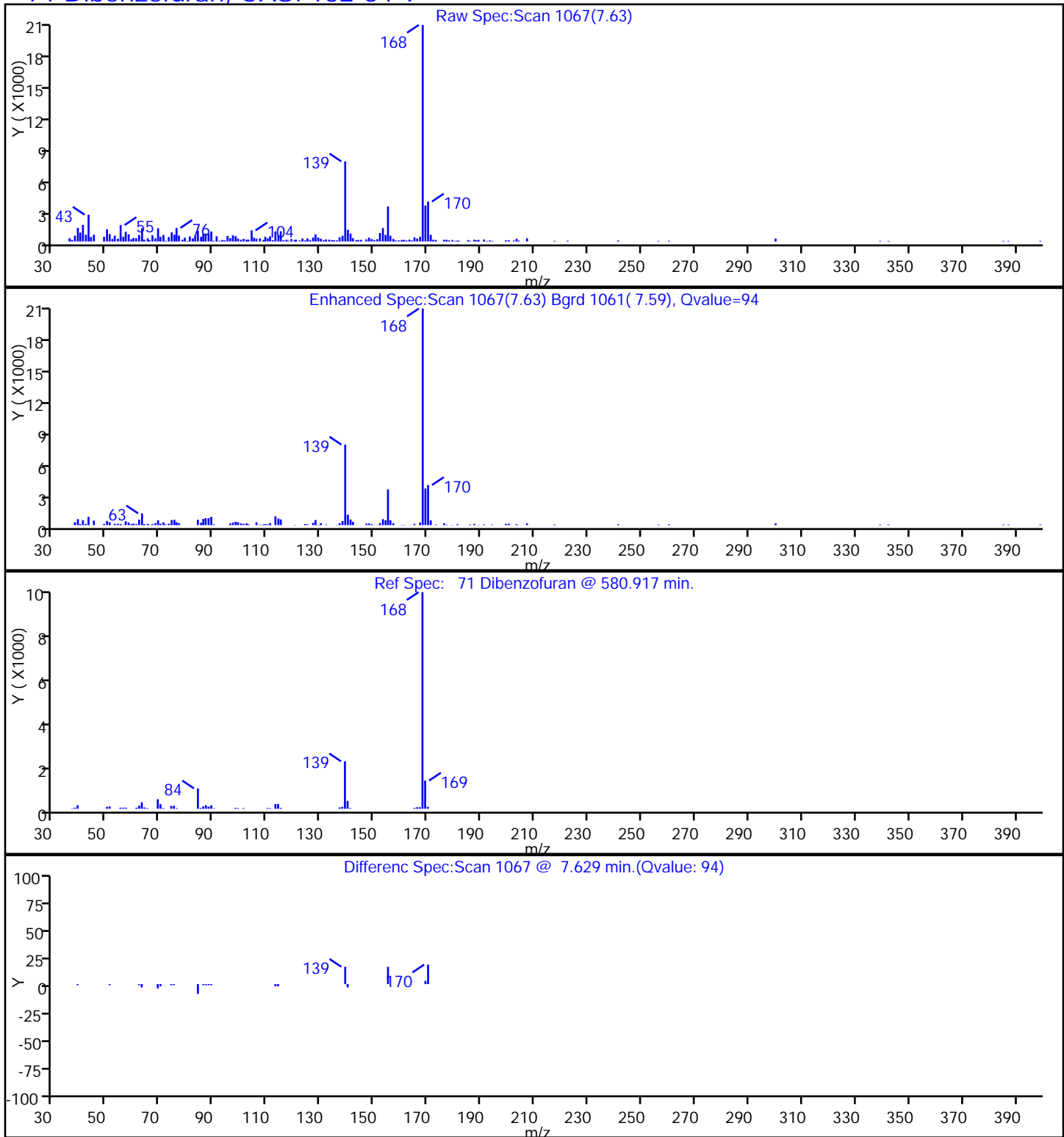
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

71 Dibenzofuran, CAS: 132-64-9



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160413-39784.b\\x12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Client ID: DRY_WELL

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

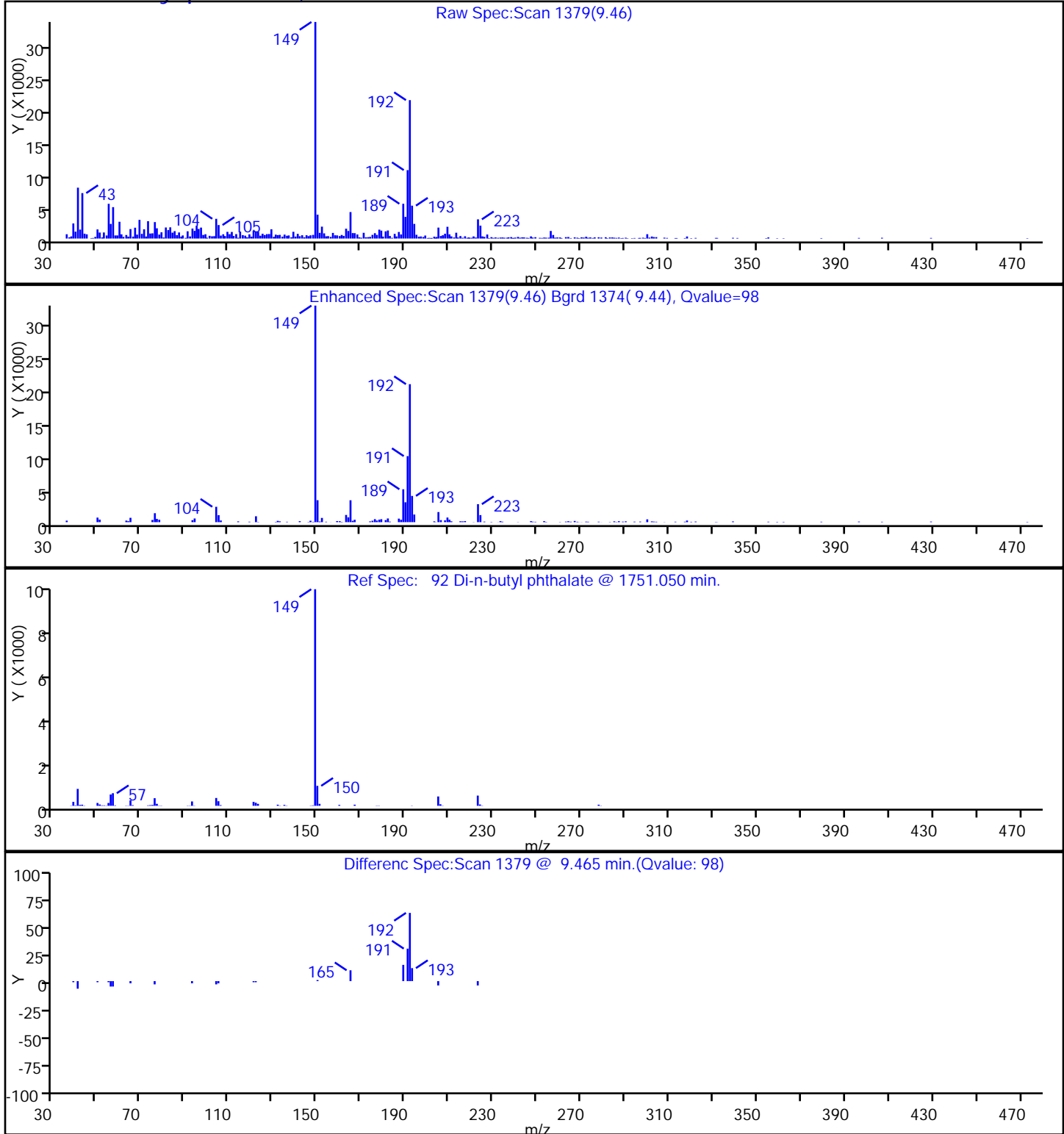
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

92 Di-n-butyl phthalate, CAS: 84-74-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Client ID: DRY_WELL

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

Limit Group:

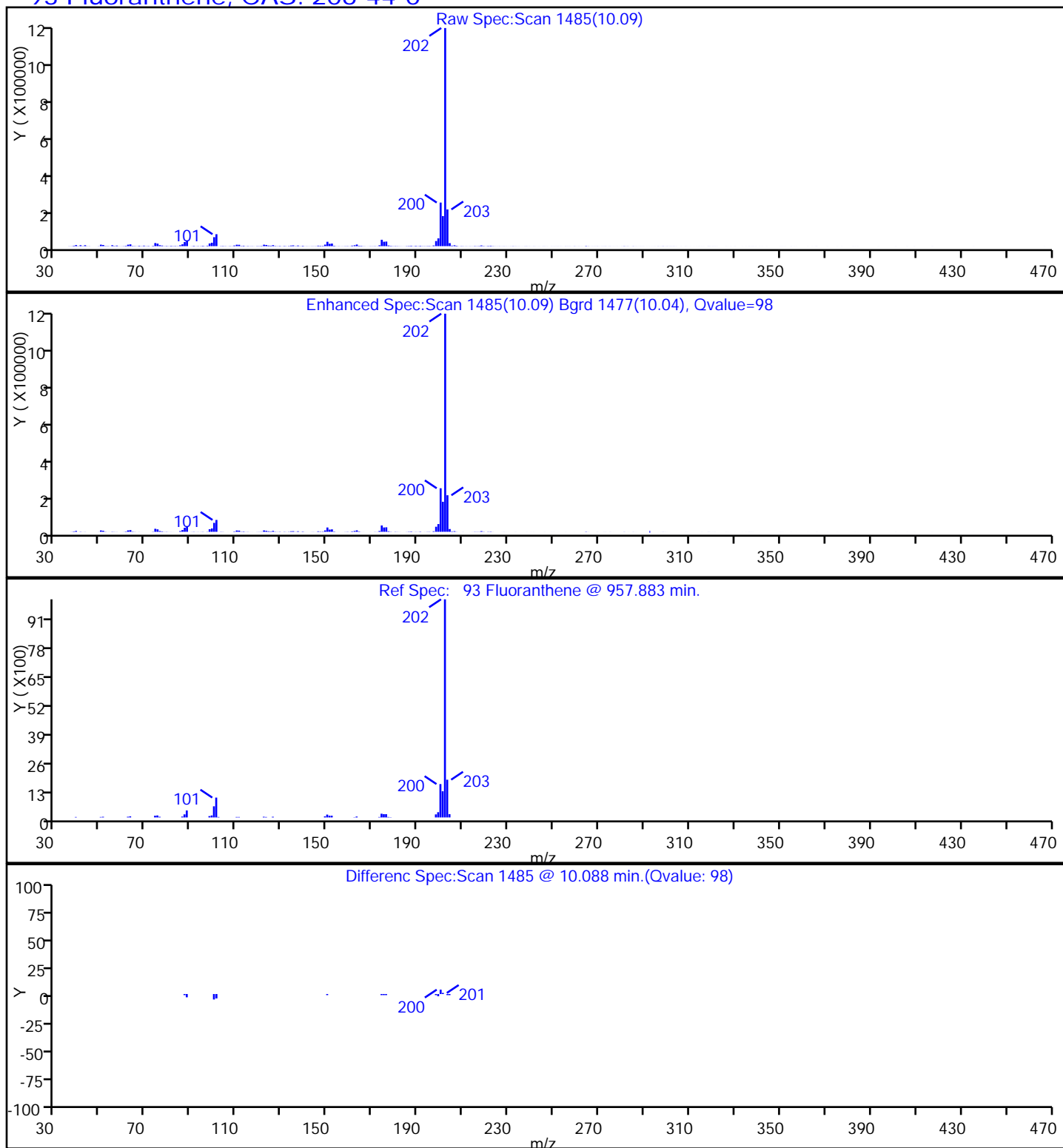
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

93 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Client ID: DRY_WELL

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

Limit Group:

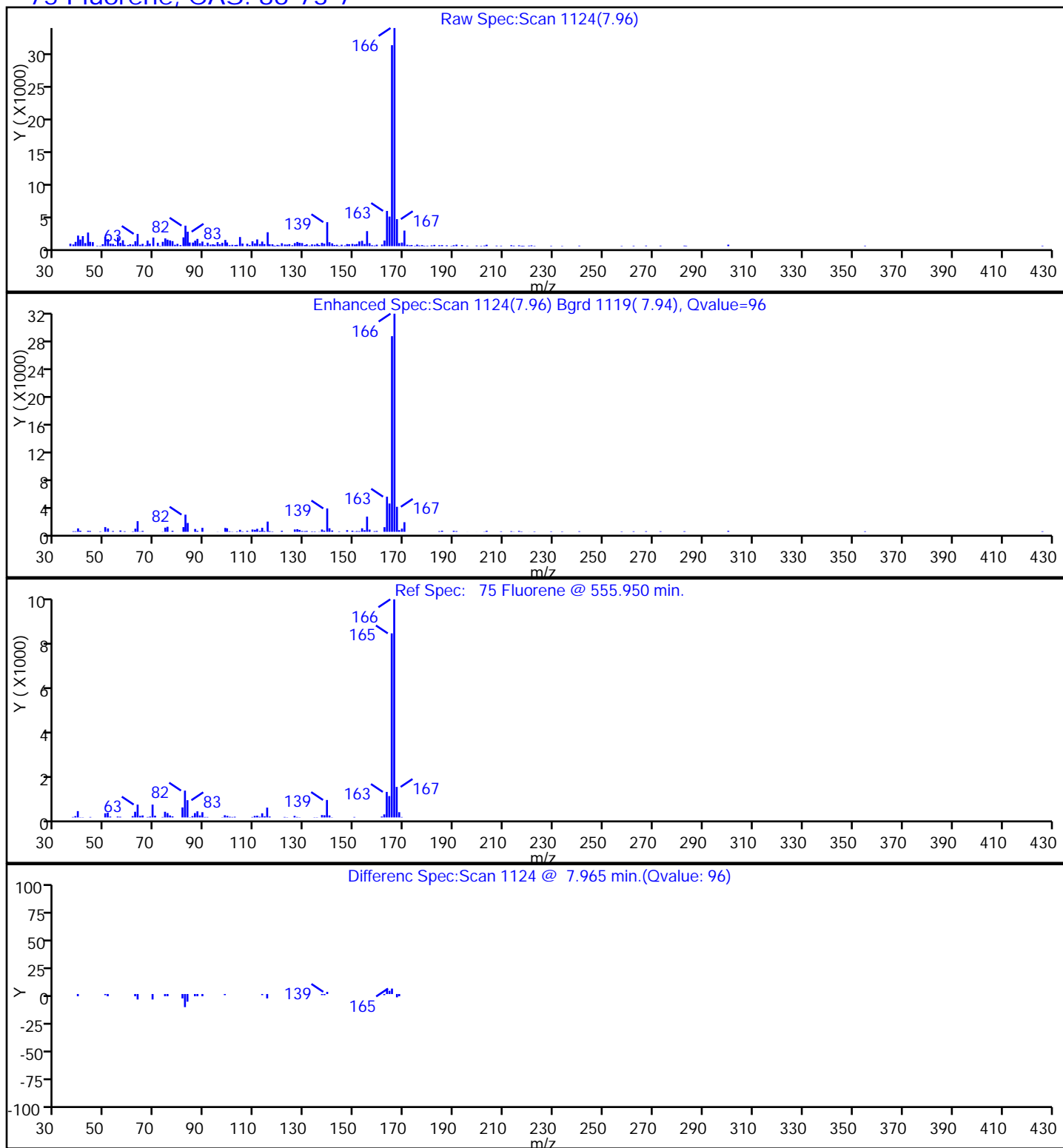
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

75 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Client ID: DRY_WELL

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

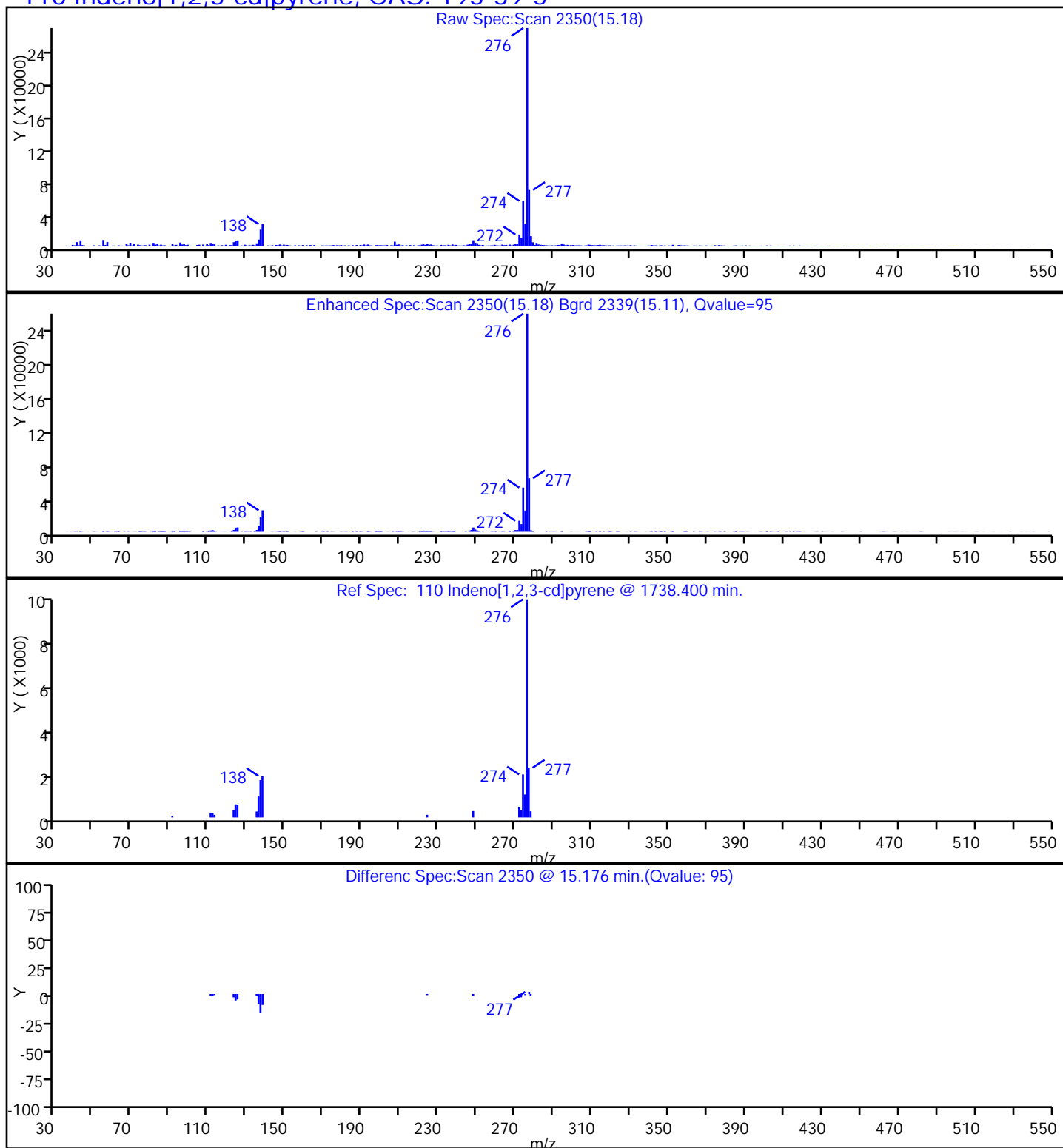
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Client ID: DRY_WELL

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

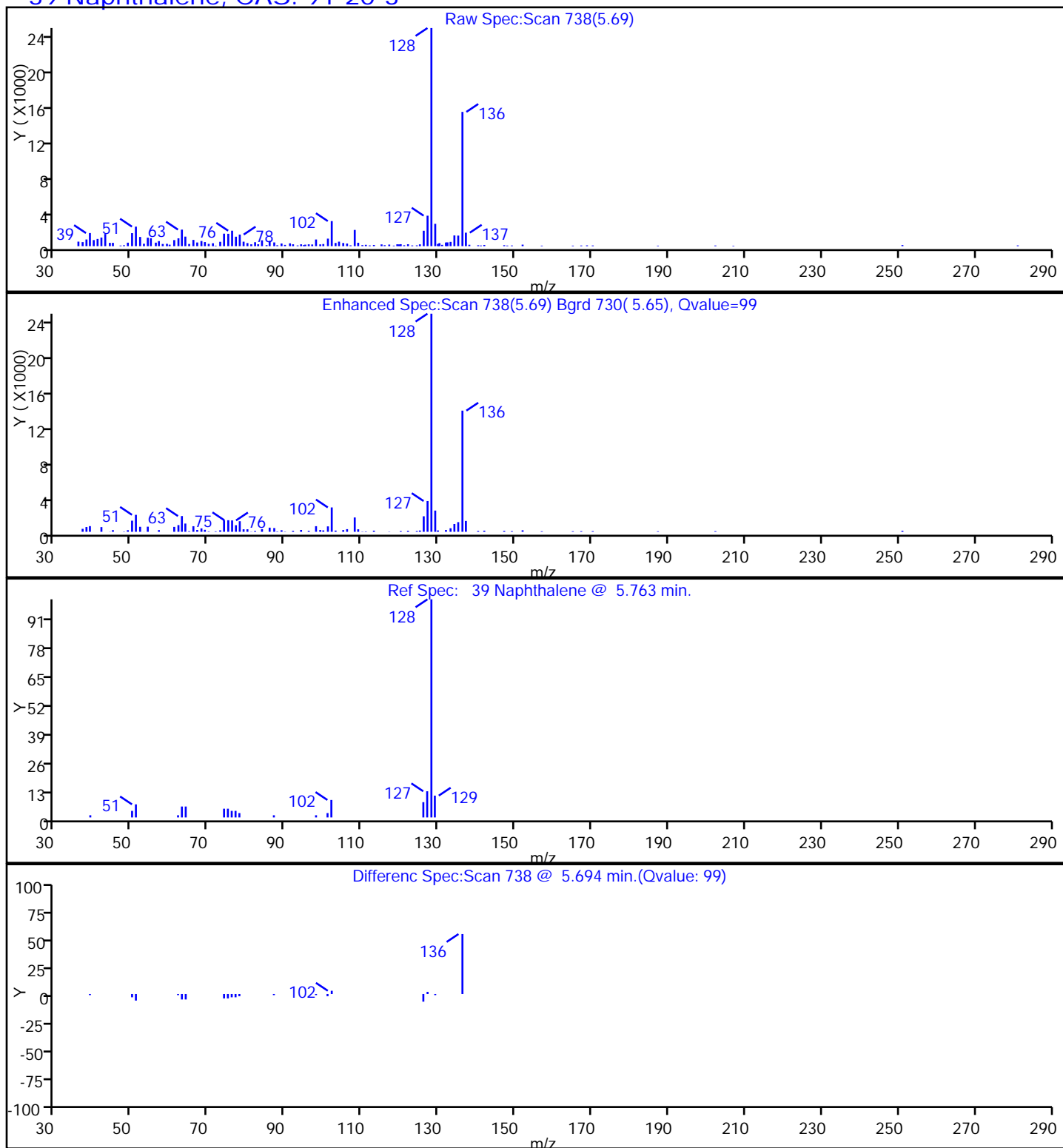
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

39 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Client ID: DRY_WELL

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

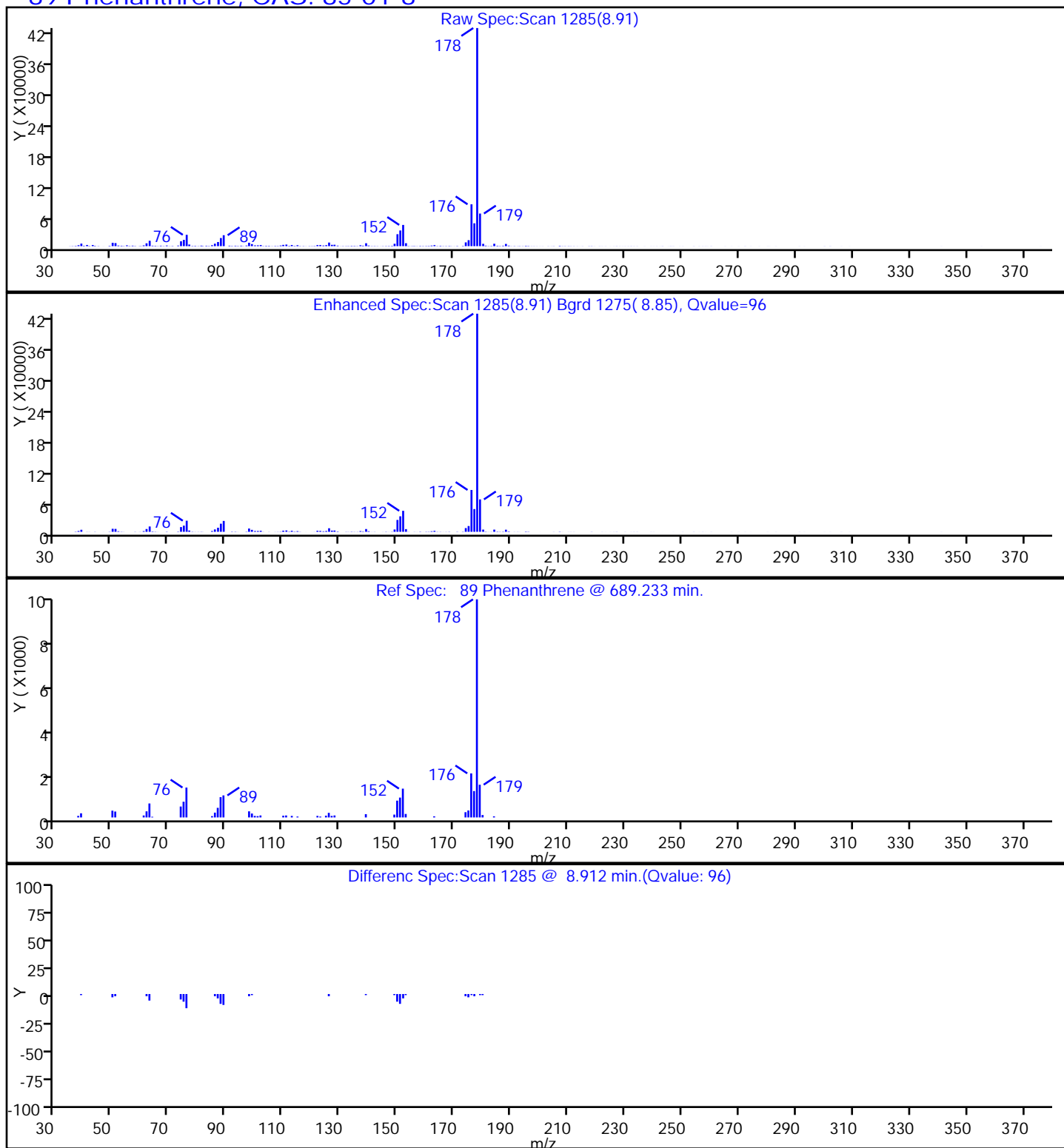
Limit Group:

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\\20160413-39784.b\\x12801.D

Injection Date: 13-Apr-2016 16:01:30

Instrument ID: CBNAMS5

Lims ID: 460-111954-D-1-A

Lab Sample ID: 460-111954-1

Client ID: DRY_WELL

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_5R

Limit Group:

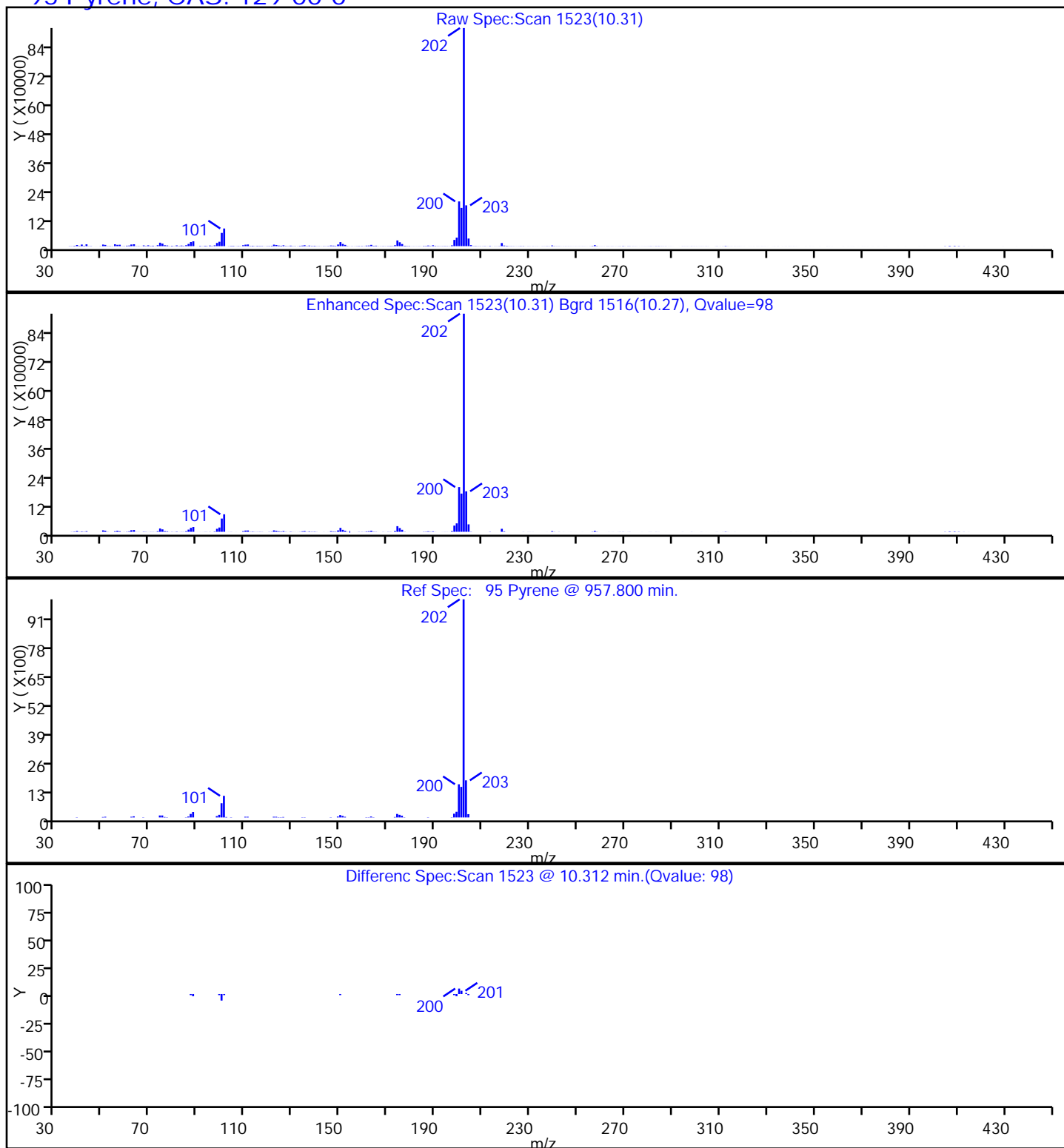
SV 8270D ICAL

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.: 460-111954-1 Analy Batch No.: 361776

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-361776/10	L132499.D
Level 2	STD1 460-361776/9	L132498.D
Level 3	STD2 460-361776/8	L132497.D
Level 4	STD5 460-361776/7	L132496.D
Level 5	STD10 460-361776/6	L132495.D
Level 6	STD20 460-361776/5	L132494.D
Level 7	ICIS 460-361776/2	L132491.D
Level 8	STD80 460-361776/4	L132493.D
Level 9	STD120 460-361776/3	L132492.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	0.5370	0.5213	0.5093	0.5230 0.5307	0.5205	Ave		0.5236				1.8		20.0			
N-Nitrosodimethylamine	0.7580	0.7586	0.7589	0.7030 0.8022	0.7521	Ave		0.7555				4.2		20.0			
Pyridine	1.3448	1.3393	1.3600	1.2732 1.4017	1.3488	Ave		1.3446				3.1		20.0			
Phenol	1.6501	1.6204	1.6495	1.5607 1.6869	1.6932	Ave		1.6435		0.8000		3.0		20.0			
Aniline	2.0017	1.9746	2.0186	1.8734 2.1227	2.0214	Ave		2.0021				4.0		20.0			
Bis(2-chloroethyl)ether	1.4416 1.3010	1.3692 1.2824	1.2707 1.2816	1.2325 1.3120	1.3305	Ave		1.3135		0.7000		4.7		20.0			
2-Chlorophenol	1.3900	1.3872	1.3763	1.3292 1.4182	1.4215	Ave		1.3871		0.8000		2.4		20.0			
n-Decane	2.1880	2.1079	2.0815	2.1141 2.1332	2.2087	Ave		2.1389				2.3		20.0			
1,3-Dichlorobenzene	1.5582	1.5220	1.5189	1.4799 1.5630	1.5813	Ave		1.5372				2.4		20.0			
1,4-Dichlorobenzene	1.5817	1.5513	1.5506	1.5192 1.5835	1.6014	Ave		1.5646				1.9		20.0			
Benzyl alcohol	0.8677	0.8477	0.8755	0.7999 0.8875	0.8488	Ave		0.8545				3.6		20.0			
1,2-Dichlorobenzene	1.4966	1.4598	1.4617	1.4233 1.4953	1.5281	Ave		1.4775				2.5		20.0			
2-Methylphenol	1.2138	1.1745	1.2060	1.1287 1.2267	1.2384	Ave		1.1980		0.7000		3.4		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.: 460-111954-1 Analy Batch No.: 361776
SDG No.: _____
Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

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]	2.7023	2.6367	2.6562	2.5836 2.7174	2.7691	Ave		2.6775			0.0100	2.5		20.0			
3 & 4 Methylphenol	1.3549	1.2773	1.2932	1.2852 1.2901	1.3931	Ave		1.3156				3.6		20.0			
4-Methylphenol	1.3549	1.2773	1.2932	1.2852 1.2901	1.3931	Ave		1.3156			0.6000	3.6		20.0			
N-Nitrosodi-n-propylamine	0.9517 0.9251	0.9574 0.8908	0.8805 0.9215	0.8649 0.9212	0.9506	Ave		0.9182			0.5000	3.6		20.0			
Acetophenone	1.7368	1.6404	1.6806	1.6570 1.6611	1.7723	Ave		1.6914			0.0100	3.1		20.0			
Hexachloroethane	0.5886 0.6242	0.6210 0.6065	0.6194 0.6036	0.5799 0.6255	0.6221	Ave		0.6101			0.3000	2.7		20.0			
Nitrobenzene	0.4751 0.4941	0.4770 0.4933	0.4993 0.4849	0.4896 0.5097	0.4972	Ave		0.4911			0.2000	2.2		20.0			
n,n'-Dimethylaniline	1.8878 1.9929	1.8974 1.9861	1.9227 1.9189	1.9106 1.9866	1.9832	Ave		1.9429				2.2		20.0			
Isophorone	0.6254	0.5999	0.5645 0.6195	0.5879 0.6334	0.6179	Ave		0.6069			0.4000	4.0		20.0			
2-Nitrophenol	0.1874	0.1902	0.1921	0.1637 0.1996	0.1860	Ave		0.1865			0.1000	6.5		20.0			
2,4-Dimethylphenol	0.3159	0.3057	0.3089	0.2973 0.3189	0.3135	Ave		0.3100			0.2000	2.5		20.0			
Benzoic acid	0.1361	0.1550	0.1779	0.0762 0.1871	0.1075	Lin2	-0.543	0.1753			0.0100				0.9910		0.9900
Bis(2-chloroethoxy)methane	0.3953	0.3896	0.3915	0.3809 0.4069	0.3992	Ave		0.3939			0.3000	2.3		20.0			
2,4-Dichlorophenol	0.2830	0.2792	0.2624 0.2813	0.2652 0.2913	0.2788	Ave		0.2773			0.2000	3.7		20.0			
1,2,4-Trichlorobenzene	0.3069 0.3054	0.3018 0.2973	0.2982 0.2972	0.2961 0.3084	0.3053	Ave		0.3018				1.6		20.0			
Naphthalene	1.0426	1.0149	1.0095	1.0156 1.0460	1.0570	Ave		1.0309			0.7000	1.9		20.0			
4-Chloroaniline	0.4193	0.4074	0.4125	0.3924 0.4208	0.4231	Ave		0.4126			0.0100	2.8		20.0			
Hexachlorobutadiene	0.1770 0.1690	0.1679 0.1693	0.1679 0.1690	0.1636 0.1760	0.1676	Ave		0.1699			0.0100	2.6		20.0			
4-Chloro-3-methylphenol	0.2770	0.2690	0.2786	0.2505 0.2817	0.2726	Ave		0.2716			0.2000	4.1		20.0			
2-Methylnaphthalene	0.6952	0.6670	0.6740	0.6690 0.6852	0.7076	Ave		0.6830			0.4000	2.4		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.: 460-111954-1 Analy Batch No.: 361776
SDG No.: _____
Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

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	0.6083	0.5780	0.5870	0.5723 0.5972	0.6065	Ave		0.5915				2.5		20.0			
Hexachlorocyclopentadiene	0.2547	0.3062	0.3113	0.2124 0.3584	0.2429	Ave		0.2810			0.0500	19.1		20.0			
1,2,4,5-Tetrachlorobenzene	0.5354	0.5436	0.5151	0.5191 0.5454	0.5467	Ave		0.5342			0.0100	2.6		20.0			
2-tertbutyl-4-methylphenol	0.4596	0.4486	0.4396	0.4283 0.4514	0.4450	Ave		0.4454				2.4		20.0			
2,4,6-Trichlorophenol	0.3555	0.3604	0.3022 0.3531	0.3172 0.3790	0.3575	Lin2	-0.136	0.3637			0.2000				0.9990		0.9900
2,4,5-Trichlorophenol	0.3776	0.3760	0.3756	0.3531 0.3897	0.3700	Ave		0.3737			0.2000	3.2		20.0			
1,1'-Biphenyl	1.5828	1.5736	1.5095	1.5264 1.5895	1.6256	Ave		1.5679			0.0100	2.7		20.0			
2-Chloronaphthalene	1.1729	1.1718	1.1346	1.1073 1.1887	1.1962	Ave		1.1619			0.8000	2.9		20.0			
Phenyl ether	0.8059	0.8409	0.7690	0.7852 0.8232	0.8032	Ave		0.8046				3.2		20.0			
2-Nitroaniline	0.4400	0.4329	0.4337	0.4209 0.4530	0.4420	Ave		0.4371			0.0100	2.5		20.0			
1,3-Dimethylnaphthalene	0.9965	1.0245	0.8938	0.9984 0.9473	0.9896	Ave		0.9750				4.8		20.0			
Dimethyl phthalate	1.2472	1.1760	1.1923	1.1933 1.2067	1.2767	Ave		1.2153			0.0100	3.2		20.0			
Coumarin	0.2050	0.1914	0.2035	0.1976 0.2020	0.2062	Ave		0.2009				2.8		20.0			
2,6-Dinitrotoluene	0.2907	0.2733 0.2788	0.2660 0.2846	0.2786 0.2921	0.2919	Ave		0.2820			0.2000	3.4		20.0			
Acenaphthylene	1.8308	1.7858	1.7537	1.7338 1.8210	1.8456	Ave		1.7951			0.9000	2.5		20.0			
3-Nitroaniline	0.3133	0.2998	0.3185	0.2910 0.3195	0.3118	Ave		0.3090			0.0100	3.6		20.0			
3,5-di-tert-butyl-4-hydroxytol	0.9655	1.0099	0.9456	0.8764 1.0145	0.9168	Ave		0.9548				5.6		20.0			
Acenaphthene	1.2910	1.2755	1.2612	1.2050 1.1903	1.2895	Ave		1.2521			0.9000	3.5		20.0			
2,4-Dinitrophenol	0.1539	0.1673	0.0816 0.1860	0.1065 0.1876	0.1454	Qua	-0.633	0.1721	0.0000797		0.0100				0.9990		0.9900
4-Nitrophenol	0.2180	0.2116	0.2343	0.1941 0.2379	0.2193	Ave		0.2192			0.0100	7.3		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.: 460-111954-1 Analy Batch No.: 361776

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

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	0.3656	0.3132 0.3453	0.3205 0.3656	0.3261 0.3623	0.3651	Ave		0.3455			0.2000	6.5		20.0			
Dibenzofuran	1.6284	1.5838	1.5876	1.5848 1.6253	1.6783	Ave		1.6147			0.8000	2.3		20.0			
2,3,4,6-Tetrachlorophenol	0.2921	0.2847	0.2961	0.2539 0.2940	0.2859	Ave		0.2845			0.0100	5.5		20.0			
Diethyl phthalate	1.2646	1.1464	1.2142	1.1795 1.1742	1.2395	Ave		1.2031			0.0100	3.7		20.0			
4-Chlorophenyl phenyl ether	0.5762	0.5402	0.5441	0.5430 0.5474	0.5749	Ave		0.5543			0.4000	3.0		20.0			
Fluorene	1.3251	1.2449	1.2605	1.2874 1.2482	1.3591	Ave		1.2875			0.9000	3.6		20.0			
4-Nitroaniline	0.2953	0.2767	0.3115	0.2698 0.3104	0.2950	Ave		0.2931			0.0100	5.8		20.0			
4,6-Dinitro-2-methylphenol	0.1336	0.1405	0.0838 0.1449	0.1088 0.1524	0.1242	Lin2	-0.257	0.1432			0.0100				0.9970		0.9900
N-Nitrosodiphenylamine	0.6192	0.6172	0.5932 0.5881	0.5922 0.6228	0.6259	Ave		0.6084			0.0100	2.7		20.0			
1,2-Diphenylhydrazine	0.8970	0.9157	0.8671	0.8351 0.9223	0.8790	Ave		0.8860				3.7		20.0			
4-Bromophenyl phenyl ether	0.2207	0.2236	0.2152	0.2022 0.2295	0.2121	Ave		0.2172			0.1000	4.4		20.0			
Hexachlorobenzene	0.2183 0.2231	0.2268 0.2261	0.2189 0.2215	0.2142 0.2298	0.2211	Ave		0.2222			0.1000	2.2		20.0			
Pentachlorophenol	0.1397	0.1440	0.1031 0.1468	0.1171 0.1555	0.1385	Ave		0.1350			0.0500	13.6		20.0			
Pentachloronitrobenzene	0.0906	0.0955	0.0825	0.0889 0.0894	0.0909	Ave		0.0896			0.0100	4.7		20.0			
n-Octadecane	0.8045	0.8413	0.7840	0.7285 0.8292	0.7657	Ave		0.7922				5.3		20.0			
Phenanthrene	1.1748	1.1533	1.1344	1.1340 1.1802	1.1684	Ave		1.1575			0.7000	1.7		20.0			
Anthracene	1.1758	1.1603	1.1460	1.0978 1.2049	1.1662	Ave		1.1585			0.7000	3.1		20.0			
Carbazole	1.0147	0.9724	1.0054	0.9852 1.0513	1.0347	Ave		1.0106			0.0100	2.9		20.0			
Di-n-butyl phthalate	1.3024	1.2304	1.2798	1.2306 1.3029	1.2783	Ave		1.2708			0.0100	2.6		20.0			
Fluoranthene	1.0753	1.0125	1.0605	1.0186 1.1135	1.0567	Ave		1.0562			0.6000	3.5		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.: 460-111954-1 Analy Batch No.: 361776
SDG No.: _____
Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

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	0.4857	0.4894	0.6468	0.4533 0.6941	0.4550	QuaF		0.4318	0.0022410						0.9970		0.9900
Pyrene	1.4950	1.5034	1.3962	1.4662 1.4149	1.5220	Ave		1.4663			0.6000	3.5		20.0			
Bisphenol-A	0.5523	0.5471	0.5783	0.6544 0.6019	0.5947	Ave		0.5881				6.7		20.0			
Butyl benzyl phthalate	0.6801	0.6603	0.6580	0.6066 0.6839	0.6629	Ave		0.6586			0.0100	4.2		20.0			
2,3,7,8-TCDD		0.1521				Ave		0.1521						20.0			
Carbamazepine	0.4686	0.4976	0.5336	0.3975 0.6061	0.4206	Ave		0.4873				15.7		20.0			
3,3'-Dichlorobenzidine	0.3984	0.4286	0.3167 0.4598	0.3550 0.4779	0.3702	Ave		0.4010			0.0100	14.5		20.0			
Benzo[a]anthracene	1.3575 1.1854	1.2814 1.1821	1.1944 1.1841	1.1149 1.2518	1.1972	Ave		1.2165			0.8000	5.8		20.0			
Bis(2-ethylhexyl) phthalate	0.9405	0.9209	0.9421	0.8677 0.9507	0.9076	Ave		0.9216			0.0100	3.3		20.0			
Chrysene	1.1007	1.0843	1.0850	1.0734 1.1226	1.1166	Ave		1.0971			0.7000	1.8		20.0			
Di-n-octyl phthalate	1.8067	1.7045	1.7453	1.5072 1.7244	1.6455	Ave		1.6889			0.0100	6.1		20.0			
Benzo[b]fluoranthene	1.0409 1.1972	1.0722 1.1979	1.1094 1.2733	1.1054 1.2652	1.1979	Ave		1.1621			0.7000	7.2		20.0			
Benzo[k]fluoranthene	1.1010 1.2901	1.1409 1.2636	1.2186 1.2035	1.1743 1.3293	1.2133	Ave		1.2150			0.7000	5.9		20.0			
Benzo[a]pyrene	0.9924 1.1546	0.9804 1.1729	0.9905 1.1653	1.0493 1.2418	1.1094	Ave		1.0952			0.7000	8.7		20.0			
Indeno[1,2,3-cd]pyrene	0.8043 0.9919	0.8699 1.1160	0.8544 1.1082	0.8898 1.2507	0.9829	Ave		0.9854			0.5000	15.0		20.0			
Dibenz(a,h)anthracene	0.7511 0.9958	0.8071 1.0542	0.8247 1.0574	0.8698 1.1614	0.9719	Ave		0.9437			0.4000	14.6		20.0			
Benzo[g,h,i]perylene	1.0261	1.0707	1.0663	0.9457 1.1910	0.9998	Ave		1.0499			0.5000	7.9		20.0			
2-Fluorophenol (Surr)	1.2416 1.2713	1.3911 1.4062	1.3357 1.3305	1.3357 1.5843	1.3206	Ave		1.3602				7.8		20.0			
Phenol-d5 (Surr)	1.4154 1.5312	1.7366 1.6976	1.6513 1.6363	1.6513 1.8878	1.6477	Ave		1.6505				8.4		20.0			
Nitrobenzene-d5 (Surr)	0.3644 0.3497	0.3485 0.3972	0.4048 0.3768	0.3874 0.4414	0.3792	Ave		0.3833				7.6		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.: 460-111954-1 Analy Batch No.: 361776

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

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	1.2383 1.3541	1.3162 1.5196	1.5609 1.3766	1.4311 1.6168	1.4383	Ave		1.4280				8.5		20.0			
2,4,6-Tribromophenol (Surr)	0.1519	0.0861 0.1654	0.1403 0.1657	0.1515 0.1839	0.1594	Lin2	-0.079	0.1692			0.0100				0.9960		0.9900
Terphenyl-d14 (Surr)	0.9080 0.9567	0.8925 1.0634	1.0569 0.9589	1.0491 1.0862	1.0245	Ave		0.9996				7.2		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.: 460-111954-1 Analy Batch No.: 361776

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-361776/10	L132499.D
Level 2	STD1 460-361776/9	L132498.D
Level 3	STD2 460-361776/8	L132497.D
Level 4	STD5 460-361776/7	L132496.D
Level 5	STD10 460-361776/6	L132495.D
Level 6	STD20 460-361776/5	L132494.D
Level 7	ICIS 460-361776/2	L132491.D
Level 8	STD80 460-361776/4	L132493.D
Level 9	STD120 460-361776/3	L132492.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	46506	121177	153856	11911 239705	23185	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCB	Ave	65652	176332	229261	16009 362340	33503	20.0	50.0	80.0	5.00 120	10.0
Pyridine	DCB	Ave	116472	311327	410830	28995 633117	60084	20.0	50.0	80.0	5.00 120	10.0
Phenol	DCB	Ave	142915	376663	498279	35542 761941	75423	20.0	50.0	80.0	5.00 120	10.0
Aniline	DCB	Ave	173367	458999	609787	42665 958761	90047	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCB	Ave	2966 112679	5829 298106	12128 387147	28068 592606	59270	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCB	Ave	120388	322453	415754	30272 640541	63321	20.0	50.0	80.0	5.00 120	10.0
n-Decane	DCB	Ave	189502	489994	628806	48146 963477	98389	20.0	50.0	80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCB	Ave	134952	353790	458833	33703 705958	70439	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCB	Ave	136989	360616	468405	34598 715221	71334	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCB	Ave	75148	197048	264474	18216 400837	37811	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCB	Ave	129619	339349	441563	32415 675370	68070	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCB	Ave	105127	273011	364303	25705 554050	55167	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	234040	612913	802414	58839 1227341	123352	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.: 460-111954-1 Analy Batch No.: 361776

SDG No.: _____

Instrument ID: CBNAM512 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

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
3 & 4 Methylphenol	DCB	Ave	117350	296913	390659	29268 582711	62057	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCB	Ave	117350	296913	390659	29268 582711	62057	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCB	Ave	1958 80124	4076 207081	8404 278370	19697 416072	42344	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acetophenone	DCB	Ave	150421	381325	507684	37735 750285	78949	20.0	50.0	80.0	5.00 120	10.0
Hexachloroethane	DCB	Ave	1211 54063	2644 140983	5912 182335	13206 282533	27713	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	NPT	Ave	3618 159286	7529 419769	17011 551652	40467 838619	83146	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCB	Ave	3884 172606	8078 461679	18350 579682	43512 897279	88345	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	19231 201614	48596 510476	704764	103331	1042268	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	60406	161819	218554	13529 328499	31110	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	101836	260171	351379	24571 524794	52433	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Lin2	43884	131866	202394	6302 307943	17969	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	127433	331541	445379	31484 669586	66761	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	91252	237622	320027	8940 479287	46618	20.0	50.0	2.00 80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	2337 98470	4763 252980	10158 338131	24476 507489	51051	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	336123	863644	1148350	83948 1721194	176758	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	135181	346671	469285	32436 692469	70757	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	54484	144054	192207	2793 289679	28031	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
4-Chloro-3-methylphenol	NPT	Ave	89292	228917	316936	20709 463546	45590	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	224117	567564	766717	55302 1127408	118332	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	196122	491881	667729	47303 982606	101420	20.0	50.0	80.0	5.00 120	10.0
Hexachlorocyclopentadiene	ANT	Ave	41529	124220	181403	8766 286589	20337	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.: 460-111954-1 Analy Batch No.: 361776

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

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	87289	220486	300159	21418 436138	45779	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	148156	381752	500063	35400 742828	74423	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Lin2	57965	146169	4827 205751	13087 303090	29934	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	61560	152520	218865	14568 311670	30983	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	258045	638285	879668	62984 1271178	136117	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	191228	475302	661212	45688 950595	100164	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	131395	341081	448160	32401 658344	67254	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	71738	175592	252716	17368 362244	37009	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	162464	415544	520896	41195 757594	82865	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	203341	476991	694797	49237 965022	106900	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	66075	162901	231541	16334 332323	34480	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	47394	2162 113100	4248 165867	11494 233584	24442	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	298490	724368	1021976	71539 1456296	154541	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	51075	121605	185606	12008 255489	26104	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	157417	409632	551071	36163 811293	76767	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	210478	517370	734994	49721 951912	107970	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Qua	50166	135702	2607 216786	8786 300048	24343	40.0	100	4.00 160	10.0 240	20.0
4-Nitrophenol	ANT	Ave	71075	171669	273026	16018 380562	36733	40.0	100	160	10.0 240	20.0
2,4-Dinitrotoluene	ANT	Ave	59612	2478 140056	5119 213065	13457 289724	30572	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenzofuran	ANT	Ave	265477	642431	925168	65393 1299757	140527	20.0	50.0	80.0	5.00 120	10.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	47628	115482	172564	10476 235153	23943	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.: 460-111954-1 Analy Batch No.: 361776

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

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	206180	465018	707610	48669 939048	103785	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	93933	219116	317096	22405 437749	48140	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	216043	504968	734584	53119 998202	113800	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	48147	112227	181504	11131 248268	24700	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Lin2	63780	154087	3990 247751	13379 335376	31148	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	295607	676984	28246 1005527	72795 1370776	157012	40.0	100	4.00 160	10.0 240	20.0
1,2-Diphenylhydrazine	PHN	Ave	214117	502209	741305	51321 1015015	110253	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	52672	122627	183929	12428 252612	26602	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	1279 53261	2655 123977	5212 189359	13165 252931	27738	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Pentachlorophenol	PHN	Ave	4911 66691	14399 157991	250991	342243	34755	40.0	100	4.00 160	10.0 240	20.0
Pentachloronitrobenzene	PHN	Ave	21632	52379	70537	5462 98398	11401	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	192031	461416	670240	44771 912501	96040	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	280430	632514	969776	69692 1298823	146548	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	280671	636318	979666	67466 1325949	146284	20.0	50.0	80.0	5.00 120	10.0
Carbazole	PHN	Ave	242202	533273	859524	60547 1156944	129780	20.0	50.0	80.0	5.00 120	10.0
Di-n-butyl phthalate	PHN	Ave	310875	674799	1094105	75632 1433836	160344	20.0	50.0	80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	256684	555262	906605	62602 1225426	132541	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	QuaF	115936	268425	552897	27857 763814	57075	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	261297	563415	920703	64583 1245269	133778	20.0	50.0	80.0	5.00 120	10.0
Bisphenol-A	CRY	Ave	96530	205032	381366	28824 529756	52270	20.0	50.0	80.0	5.00 120	10.0
Butyl benzyl phthalate	CRY	Ave	118865	247459	433948	26719 601895	58268	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.: 460-111954-1 Analy Batch No.: 361776

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

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		570					0.500			
Carbamazepine	CRY	Ave	81907	186467	351864	533453	36972	20.0	50.0	80.0	5.00 120	10.0
3,3'-Dichlorobenzidine	CRY	Ave	69638	160628	303185	420625	32536	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Ave	6130 207175	10943 442989	20988 780836	49111 1101774	105231	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	164380	345105	621262	38221 836772	79772	20.0	50.0	80.0	5.00 120	10.0
Chrysene	CRY	Ave	192382	406337	715475	47280 988037	98142	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	256851	545279	1023317	53649 1432182	120445	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	3740 170206	7612 383213	15518 746562	39348 1050866	87679	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	3956 183410	8100 404253	17046 705626	41800 1104048	88809	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	3566 164151	6960 375238	13855 683257	37350 1031386	81202	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	2890 141023	6176 357020	11952 649745	31673 1038812	71944	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenz(a,h)anthracene	PRY	Ave	2699 141576	5730 337249	11536 619950	30963 964586	71142	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[g,h,i]perylene	PRY	Ave	145884	342518	625177	33663 989171	73182	20.0	50.0	80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCB	Ave	5286 110110	13277 326885	30420 401930	58825 715591		20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Phenol-d5 (Surr)	DCB	Ave	6026 132615	16574 394626	37607 494295	73399 852643		20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene-d5 (Surr)	NPT	Ave	2775 112728	5500 337966	13790 428648	32026 726264	63420	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	4678 220771	10413 616368	24930 802251	59052 1293004	120431	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Lin2	681 24770	2241 67097	6250 96577	13343 147033		20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Terphenyl-d14 (Surr)	CRY	Ave	4100 167204	7622 398507	18573 632363	46212 955956	90046	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.: 460-111954-1 Analy Batch No.: 361776
SDG No.: _____
Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/11/2016 10:45 Calibration End Date: 04/11/2016 14:12 Calibration ID: 55273

Curve Type Legend:

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

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132491.D
 Lims ID: ICIS
 Client ID:
 Sample Type: ICIS Calib Level: 7
 Inject. Date: 11-Apr-2016 10:45:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-002
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:29:19 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 14:44:04

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	1.835	1.835	0.000	96	121177	50.0	49.8	
2 N-Nitrosodimethylamine	74	2.076	2.076	0.000	79	176332	50.0	50.2	
3 Pyridine	79	2.111	2.111	0.000	79	311327	50.0	49.8	
\$ 4 2-Fluorophenol	112	3.288	3.288	0.000	93	326885	50.0	51.7	
\$ 6 Phenol-d5	99	4.211	4.211	0.000	89	394626	50.0	51.4	
7 Phenol	94	4.223	4.223	0.000	98	376663	50.0	49.3	
8 Aniline	93	4.258	4.258	0.000	99	458999	50.0	49.3	
9 Bis(2-chloroethyl)ether	93	4.323	4.323	0.000	93	298106	50.0	48.8	
10 2-Chlorophenol	128	4.382	4.382	0.000	95	322453	50.0	50.0	
11 n-Decane	43	4.429	4.429	0.000	95	489994	50.0	49.3	
12 1,3-Dichlorobenzene	146	4.540	4.540	0.000	95	353790	50.0	49.5	
* 13 1,4-Dichlorobenzene-d4	152	4.593	4.593	0.000	96	185965	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.611	4.611	0.000	94	360616	50.0	49.6	
15 Benzyl alcohol	108	4.723	4.723	0.000	93	197048	50.0	49.6	
16 1,2-Dichlorobenzene	146	4.764	4.764	0.000	96	339349	50.0	49.4	
17 2-Methylphenol	108	4.835	4.835	0.000	89	273011	50.0	49.0	
18 2,2'-oxybis[1-chloropropan	45	4.864	4.864	0.000	93	612913	50.0	49.2	
20 3 & 4 Methylphenol	108	4.993	4.993	0.000	77	296913	50.0	48.5	
19 4-Methylphenol	108	4.993	4.993	0.000	74	296913	50.0	48.5	
21 N-Nitrosodi-n-propylamine	70	4.999	4.999	0.000	76	207081	50.0	48.5	
22 Acetophenone	105	4.999	4.999	0.000	90	381325	50.0	48.5	
25 Hexachloroethane	117	5.111	5.111	0.000	95	140983	50.0	49.7	
\$ 26 Nitrobenzene-d5	82	5.146	5.146	0.000	92	337966	50.0	51.8	
27 Nitrobenzene	77	5.170	5.170	0.000	89	419769	50.0	50.2	
28 n,n'-Dimethylaniline	120	5.176	5.176	0.000	93	461679	50.0	51.1	
29 Isophorone	82	5.411	5.411	0.000	99	510476	50.0	49.4	
30 2-Nitrophenol	139	5.487	5.487	0.000	89	161819	50.0	51.0	
31 2,4-Dimethylphenol	122	5.529	5.529	0.000	91	260171	50.0	49.3	
32 Bis(2-chloroethoxy)methane	93	5.623	5.623	0.000	96	331541	50.0	49.5	
33 Benzoic acid	122	5.635	5.635	0.000	90	131866	50.0	47.3	
34 2,4-Dichlorophenol	162	5.729	5.729	0.000	95	237622	50.0	50.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.823	5.823	0.000	95	252980	50.0	49.2	
* 36 Naphthalene-d8	136	5.876	5.876	0.000	99	680747	40.0	40.0	
37 Naphthalene	128	5.899	5.899	0.000	99	863644	50.0	49.2	
38 4-Chloroaniline	127	5.946	5.946	0.000	96	346671	50.0	49.4	
39 Hexachlorobutadiene	225	6.029	6.029	0.000	94	144054	50.0	49.8	
41 4-Chloro-3-methylphenol	107	6.429	6.429	0.000	98	228917	50.0	49.5	
42 2-Methylnaphthalene	142	6.593	6.593	0.000	85	567564	50.0	48.8	
43 1-Methylnaphthalene	142	6.693	6.693	0.000	93	491881	50.0	48.9	
44 Hexachlorocyclopentadiene	237	6.758	6.758	0.000	94	124220	50.0	54.5	
45 1,2,4,5-Tetrachlorobenzene	216	6.764	6.764	0.000	96	220486	50.0	50.9	
46 2-tertbutyl-4-methylphenol	149	6.787	6.787	0.000	91	381752	50.0	50.4	
48 2,4,6-Trichlorophenol	196	6.876	6.876	0.000	87	146169	50.0	49.9	
49 2,4,5-Trichlorophenol	196	6.905	6.905	0.000	96	152520	50.0	50.3	
\$ 50 2-Fluorobiphenyl	172	6.958	6.958	0.000	98	616368	50.0	53.2	
51 1,1'-Biphenyl	154	7.058	7.058	0.000	94	638285	50.0	50.2	
52 2-Chloronaphthalene	162	7.081	7.081	0.000	97	475302	50.0	50.4	
53 Phenyl ether	170	7.164	7.164	0.000	90	341081	50.0	52.3	
54 2-Nitroaniline	65	7.176	7.176	0.000	99	175592	50.0	49.5	
55 1,3-Dimethylnaphthalene	156	7.299	7.299	0.000	91	415544	50.0	52.5	
58 Dimethyl phthalate	163	7.358	7.358	0.000	99	476991	50.0	48.4	
59 Coumarin	146	7.387	7.387	0.000	80	162901	50.0	47.6	
60 2,6-Dinitrotoluene	165	7.417	7.417	0.000	95	113100	50.0	49.4	
61 Acenaphthylene	152	7.493	7.493	0.000	98	724368	50.0	49.7	
62 3-Nitroaniline	138	7.587	7.587	0.000	95	121605	50.0	48.5	
* 63 Acenaphthene-d10	164	7.634	7.634	0.000	93	324496	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.652	7.652	0.000	98	409632	50.0	52.9	
65 Acenaphthene	154	7.670	7.670	0.000	95	517370	50.0	50.9	
66 2,4-Dinitrophenol	184	7.687	7.687	0.000	91	135702	100.0	96.5	
67 4-Nitrophenol	65	7.746	7.746	0.000	92	171669	100.0	96.5	
68 2,4-Dinitrotoluene	165	7.817	7.817	0.000	95	140056	50.0	50.0	
69 Dibenzofuran	168	7.834	7.834	0.000	96	642431	50.0	49.0	
70 2,3,4,6-Tetrachlorophenol	232	7.958	7.958	0.000	92	115482	50.0	50.0	
71 Diethyl phthalate	149	8.058	8.058	0.000	98	465018	50.0	47.6	
73 4-Chlorophenyl phenyl ethe	204	8.170	8.170	0.000	83	219116	50.0	48.7	
74 Fluorene	166	8.176	8.176	0.000	84	504968	50.0	48.3	
75 4-Nitroaniline	138	8.193	8.193	0.000	92	112227	50.0	47.2	
76 4,6-Dinitro-2-methylphenol	198	8.223	8.223	0.000	81	154087	100.0	99.9	
77 N-Nitrosodiphenylamine	169	8.287	8.287	0.000	68	676984	100.0	101.4	
78 1,2-Diphenylhydrazine	77	8.328	8.328	0.000	99	502209	50.0	51.7	
\$ 79 2,4,6-Tribromophenol	330	8.411	8.411	0.000	93	67097	50.0	49.4	
80 4-Bromophenyl phenyl ether	248	8.652	8.652	0.000	84	122627	50.0	51.5	
81 Hexachlorobenzene	284	8.728	8.728	0.000	99	123977	50.0	50.9	
83 Pentachlorophenol	266	8.917	8.917	0.000	92	157991	100.0	106.7	
84 Pentachloronitrobenzene	237	8.928	8.928	0.000	85	52379	50.0	53.3	
72 n-Octadecane	57	8.987	8.987	0.000	92	461416	50.0	53.1	
* 85 Phenanthrene-d10	188	9.099	9.099	0.000	99	438741	40.0	40.0	
86 Phenanthrene	178	9.123	9.123	0.000	98	632514	50.0	49.8	
87 Anthracene	178	9.175	9.175	0.000	98	636318	50.0	50.1	
88 Carbazole	167	9.328	9.328	0.000	96	533273	50.0	48.1	
89 Di-n-butyl phthalate	149	9.664	9.664	0.000	100	674799	50.0	48.4	
90 Fluoranthene	202	10.299	10.299	0.000	97	555262	50.0	47.9	
91 Benzidine	184	10.422	10.422	0.000	100	268425	50.0	45.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.534	10.534	0.000	97	563415	50.0	51.3	
93 Bisphenol-A	213	10.564	10.564	0.000	99	205032	50.0	46.5	
\$ 94 Terphenyl-d14	244	10.693	10.693	0.000	98	398507	50.0	53.2	
95 Butyl benzyl phthalate	149	11.234	11.234	0.000	97	247459	50.0	50.1	
96 2,3,7,8-TCDD	320	11.358	11.358	0.000	1	570	0.5000	0.5000	
97 Carbamazepine	193	11.369	11.369	0.000	92	186467	50.0	51.0	
98 3,3'-Dichlorobenzidine	252	11.887	11.887	0.000	99	160628	50.0	53.4	
99 Benzo[a]anthracene	228	11.922	11.922	0.000	99	442989	50.0	48.6	
* 100 Chrysene-d12	240	11.940	11.940	0.000	98	299807	40.0	40.0	
102 Bis(2-ethylhexyl) phthalat	149	11.952	11.952	0.000	88	345105	50.0	50.0	
101 Chrysene	228	11.969	11.969	0.000	98	406337	50.0	49.4	
103 Di-n-octyl phthalate	149	12.840	12.840	0.000	97	545279	50.0	50.5	
104 Benzo[b]fluoranthene	252	13.381	13.381	0.000	98	383213	50.0	51.5	
105 Benzo[k]fluoranthene	252	13.422	13.422	0.000	99	404253	50.0	52.0	
106 Benzo[a]pyrene	252	13.840	13.840	0.000	96	375238	50.0	53.6	
* 107 Perylene-d12	264	13.922	13.922	0.000	96	255928	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.410	15.410	0.000	97	357020	50.0	56.6	
109 Dibenz(a,h)anthracene	278	15.440	15.440	0.000	93	337249	50.0	55.9	
110 Benzo[g,h,i]perylene	276	15.793	15.793	0.000	94	342518	50.0	51.0	

Reagents:

SV_IC_BNA_L6_00018

Amount Added: 1.00

Units: mL

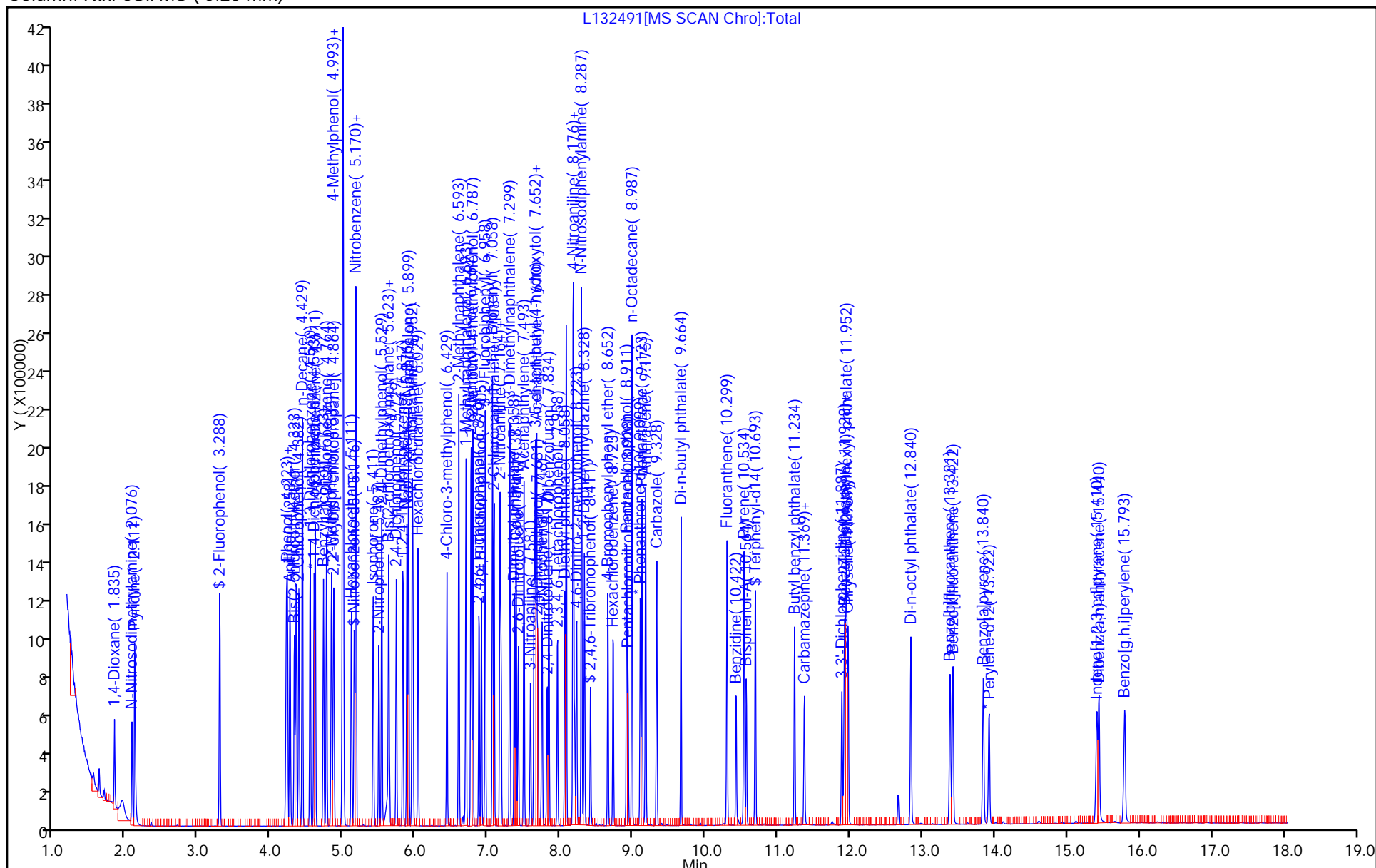
Chrom Revision: 2.2 04-Mar-2016 14:36:24

TestAmerica Edison

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132491.D		
Injection Date:	11-Apr-2016 10:45:30	Instrument ID:	CBNAMS12
Lims ID:	ICIS		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)		

Operator ID:
Worklist Smp#: 2

ALS Bottle#: 2



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132492.D
 Lims ID: STD120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 11-Apr-2016 11:11:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-003
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:29:24 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 14:57:51

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	1.829	1.835	-0.006	95	239705	120.0	121.6	
2 N-Nitrosodimethylamine	74	2.082	2.076	0.006	78	362340	120.0	127.4	
3 Pyridine	79	2.111	2.111	0.000	79	633117	120.0	125.1	
\$ 4 2-Fluorophenol	112	3.294	3.288	0.006	93	715591	120.0	139.8	
\$ 6 Phenol-d5	99	4.223	4.211	0.012	93	852643	120.0	137.3	
7 Phenol	94	4.235	4.223	0.012	98	761941	120.0	123.2	
8 Aniline	93	4.264	4.258	0.006	99	958761	120.0	127.2	
9 Bis(2-chloroethyl)ether	93	4.329	4.323	0.006	93	592606	120.0	119.9	
10 2-Chlorophenol	128	4.388	4.382	0.006	94	640541	120.0	122.7	
11 n-Decane	43	4.435	4.429	0.006	94	963477	120.0	119.7	
12 1,3-Dichlorobenzene	146	4.541	4.540	0.001	95	705958	120.0	122.0	
* 13 1,4-Dichlorobenzene-d4	152	4.594	4.593	0.001	97	150556	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.611	4.611	0.000	93	715221	120.0	121.4	
15 Benzyl alcohol	108	4.735	4.723	0.012	92	400837	120.0	124.6	
16 1,2-Dichlorobenzene	146	4.770	4.764	0.006	95	675370	120.0	121.4	
17 2-Methylphenol	108	4.841	4.835	0.006	89	554050	120.0	122.9	
18 2,2'-oxybis[1-chloropropan	45	4.870	4.864	0.006	93	1227341	120.0	121.8	
20 3 & 4 Methylphenol	108	5.005	4.993	0.012	80	582711	120.0	117.7	
19 4-Methylphenol	108	5.005	4.993	0.012	84	582711	120.0	117.7	
21 N-Nitrosodi-n-propylamine	70	5.005	4.999	0.006	94	416072	120.0	120.4	
22 Acetophenone	105	5.005	4.999	0.006	91	750285	120.0	117.9	
25 Hexachloroethane	117	5.111	5.111	0.000	94	282533	120.0	123.0	
\$ 26 Nitrobenzene-d5	82	5.158	5.146	0.012	91	726264	120.0	138.2	
27 Nitrobenzene	77	5.182	5.170	0.012	81	838619	120.0	124.5	
28 n,n'-Dimethylaniline	120	5.182	5.176	0.006	87	897279	120.0	122.7	
29 Isophorone	82	5.423	5.411	0.012	99	1042268	120.0	125.2	
30 2-Nitrophenol	139	5.493	5.487	0.006	89	328499	120.0	128.5	
31 2,4-Dimethylphenol	122	5.535	5.529	0.006	91	524794	120.0	123.4	
32 Bis(2-chloroethoxy)methane	93	5.629	5.623	0.006	96	669586	120.0	124.0	
33 Benzoic acid	122	5.676	5.635	0.041	93	307943	120.0	131.2	
34 2,4-Dichlorophenol	162	5.735	5.729	0.006	95	479287	120.0	126.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.823	5.823	0.000	96	507489	120.0	122.6	
* 36 Naphthalene-d8	136	5.876	5.876	0.000	99	548492	40.0	40.0	
37 Naphthalene	128	5.899	5.899	0.000	99	1721194	120.0	121.8	
38 4-Chloroaniline	127	5.952	5.946	0.006	96	692469	120.0	122.4	
39 Hexachlorobutadiene	225	6.029	6.029	0.000	93	289679	120.0	124.3	
41 4-Chloro-3-methylphenol	107	6.435	6.429	0.006	98	463546	120.0	124.5	
42 2-Methylnaphthalene	142	6.593	6.593	0.000	85	1127408	120.0	120.4	
43 1-Methylnaphthalene	142	6.693	6.693	0.000	93	982606	120.0	121.1	
44 Hexachlorocyclopentadiene	237	6.758	6.758	0.000	95	286589	120.0	153.0	
45 1,2,4,5-Tetrachlorobenzene	216	6.764	6.764	0.000	95	436138	120.0	122.5	
46 2-tertbutyl-4-methylphenol	149	6.787	6.787	0.000	90	742828	120.0	121.6	
48 2,4,6-Trichlorophenol	196	6.876	6.876	0.000	87	303090	120.0	125.4	
49 2,4,5-Trichlorophenol	196	6.911	6.905	0.006	96	311670	120.0	125.2	
\$ 50 2-Fluorobiphenyl	172	6.964	6.958	0.006	98	1293004	120.0	135.9	
51 1,1'-Biphenyl	154	7.064	7.058	0.006	95	1271178	120.0	121.7	
52 2-Chloronaphthalene	162	7.082	7.081	0.001	96	950595	120.0	122.8	
53 Phenyl ether	170	7.164	7.164	0.000	87	658344	120.0	122.8	
54 2-Nitroaniline	65	7.182	7.176	0.006	98	362244	120.0	124.4	
55 1,3-Dimethylnaphthalene	156	7.299	7.299	0.000	91	757594	120.0	116.6	
58 Dimethyl phthalate	163	7.370	7.358	0.012	99	965022	120.0	119.1	
59 Coumarin	146	7.387	7.387	0.000	73	332323	120.0	120.6	
60 2,6-Dinitrotoluene	165	7.423	7.417	0.006	95	233584	120.0	124.3	
61 Acenaphthylene	152	7.499	7.493	0.006	97	1456296	120.0	121.7	
62 3-Nitroaniline	138	7.593	7.587	0.006	95	255489	120.0	124.1	
* 63 Acenaphthene-d10	164	7.634	7.634	0.000	92	266573	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.652	7.652	0.000	98	811293	120.0	127.5	
65 Acenaphthene	154	7.670	7.670	0.000	96	951912	120.0	114.1	
66 2,4-Dinitrophenol	184	7.693	7.687	0.006	93	300048	240.0	238.8	
67 4-Nitrophenol	65	7.752	7.746	0.006	92	380562	240.0	260.5	
68 2,4-Dinitrotoluene	165	7.823	7.817	0.006	95	289724	120.0	125.8	
69 Dibenzofuran	168	7.840	7.834	0.006	96	1299757	120.0	120.8	
70 2,3,4,6-Tetrachlorophenol	232	7.958	7.958	0.000	92	235153	120.0	124.0	
71 Diethyl phthalate	149	8.064	8.058	0.006	98	939048	120.0	117.1	
73 4-Chlorophenyl phenyl ethe	204	8.170	8.170	0.000	84	437749	120.0	118.5	
74 Fluorene	166	8.182	8.176	0.006	95	998202	120.0	116.3	
75 4-Nitroaniline	138	8.205	8.193	0.012	93	248268	120.0	127.1	
76 4,6-Dinitro-2-methylphenol	198	8.234	8.223	0.011	82	335376	240.0	257.1	
77 N-Nitrosodiphenylamine	169	8.293	8.287	0.006	68	1370776	240.0	245.7	
78 1,2-Diphenylhydrazine	77	8.334	8.328	0.006	99	1015015	120.0	124.9	
\$ 79 2,4,6-Tribromophenol	330	8.417	8.411	0.006	93	147033	120.0	130.9	
80 4-Bromophenyl phenyl ether	248	8.652	8.652	0.000	83	252612	120.0	126.8	
81 Hexachlorobenzene	284	8.729	8.728	0.001	99	252931	120.0	124.1	
83 Pentachlorophenol	266	8.917	8.917	0.000	92	342243	240.0	276.5	
84 Pentachloronitrobenzene	237	8.934	8.928	0.006	86	98398	120.0	119.7	
72 n-Octadecane	57	8.987	8.987	0.000	93	912501	120.0	125.6	
* 85 Phenanthrene-d10	188	9.099	9.099	0.000	99	366824	40.0	40.0	
86 Phenanthrene	178	9.129	9.123	0.005	98	1298823	120.0	122.4	
87 Anthracene	178	9.176	9.175	0.001	98	1325949	120.0	124.8	
88 Carbazole	167	9.329	9.328	0.000	96	1156944	120.0	124.8	
89 Di-n-butyl phthalate	149	9.664	9.664	0.000	100	1433836	120.0	123.0	
90 Fluoranthene	202	10.299	10.299	0.000	97	1225426	120.0	126.5	
91 Benzidine	184	10.428	10.422	0.006	99	763814	120.0	119.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.534	10.534	0.000	96	1245269	120.0	115.8	
93 Bisphenol-A	213	10.570	10.564	0.006	99	529756	120.0	122.8	
\$ 94 Terphenyl-d14	244	10.693	10.693	0.000	99	955956	120.0	130.4	
95 Butyl benzyl phthalate	149	11.234	11.234	0.000	98	601895	120.0	124.6	
97 Carbamazepine	193	11.375	11.369	0.006	92	533453	120.0	149.2	
98 3,3'-Dichlorobenzidine	252	11.893	11.887	0.006	100	420625	120.0	143.0	
99 Benzo[a]anthracene	228	11.928	11.922	0.006	99	1101774	120.0	123.5	
* 100 Chrysene-d12	240	11.940	11.940	0.000	98	293376	40.0	40.0	
102 Bis(2-ethylhexyl) phthalat	149	11.952	11.952	0.000	89	836772	120.0	123.8	
101 Chrysene	228	11.975	11.969	0.006	98	988037	120.0	122.8	
103 Di-n-octyl phthalate	149	12.840	12.840	0.000	97	1432182	120.0	122.5	
104 Benzo[b]fluoranthene	252	13.393	13.381	0.012	98	1050866	120.0	130.6	
105 Benzo[k]fluoranthene	252	13.428	13.422	0.006	98	1104048	120.0	131.3	
106 Benzo[a]pyrene	252	13.852	13.840	0.012	95	1031386	120.0	136.1	
* 107 Perylene-d12	264	13.922	13.922	0.000	96	276854	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.422	15.410	0.012	98	1038812	120.0	152.3	M
109 Dibenz(a,h)anthracene	278	15.452	15.440	0.012	95	964586	120.0	147.7	
110 Benzo[g,h,i]perylene	276	15.816	15.793	0.023	94	989171	120.0	136.1	
S 117 Total Cresols	1				0			240.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L8_00010

Amount Added: 1.00

Units: mL

Operator ID:

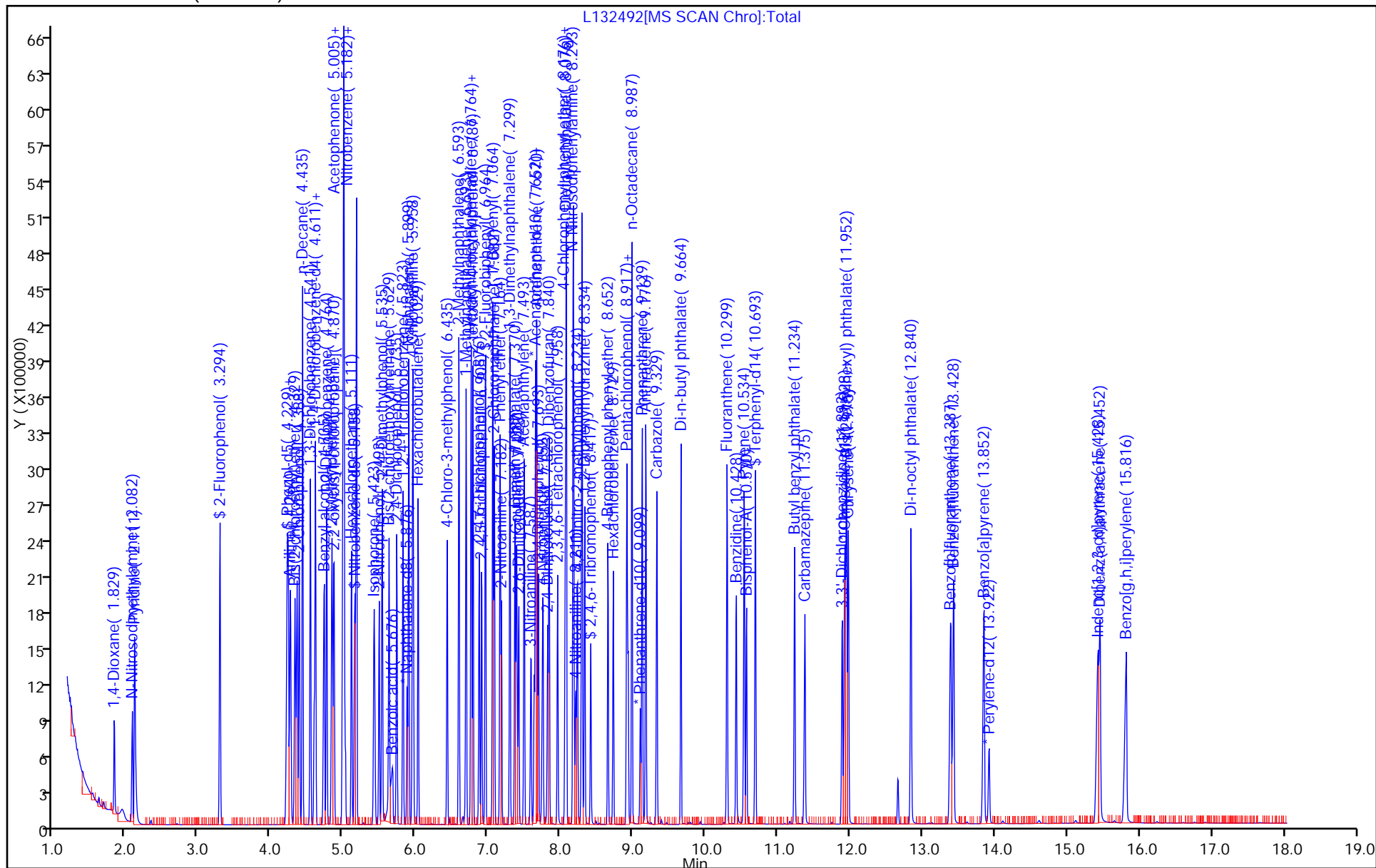
Worklist Smp#: 3

Client ID:

ALS Bottle#: 3

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

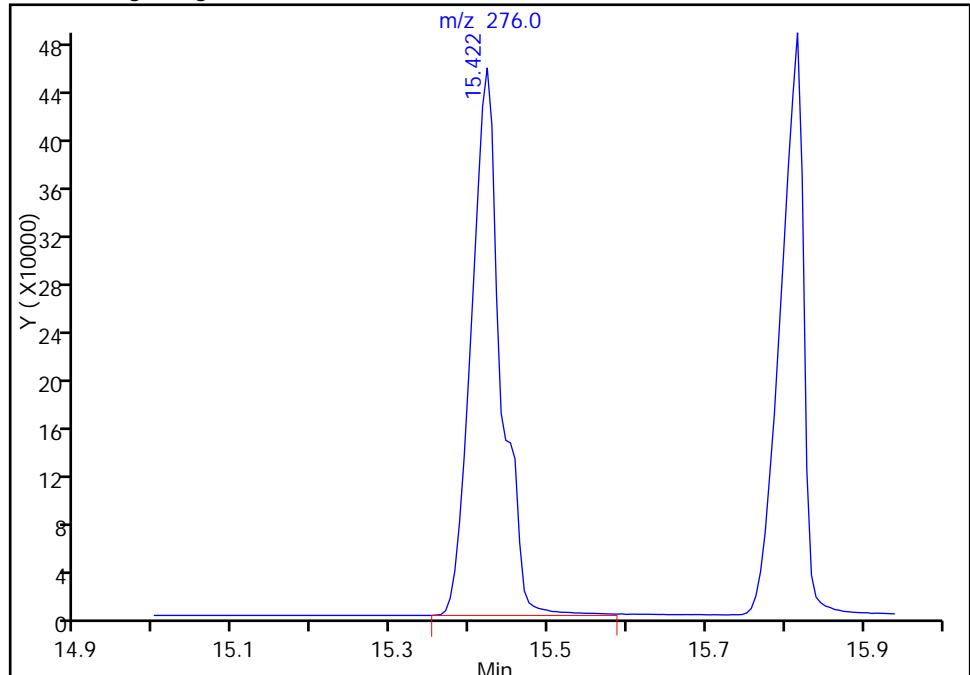
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Injection Date: 11-Apr-2016 11:11:30 Instrument ID: CBNAMS12
Lims ID: STD120
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 3 Worklist Smp#: 3
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

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

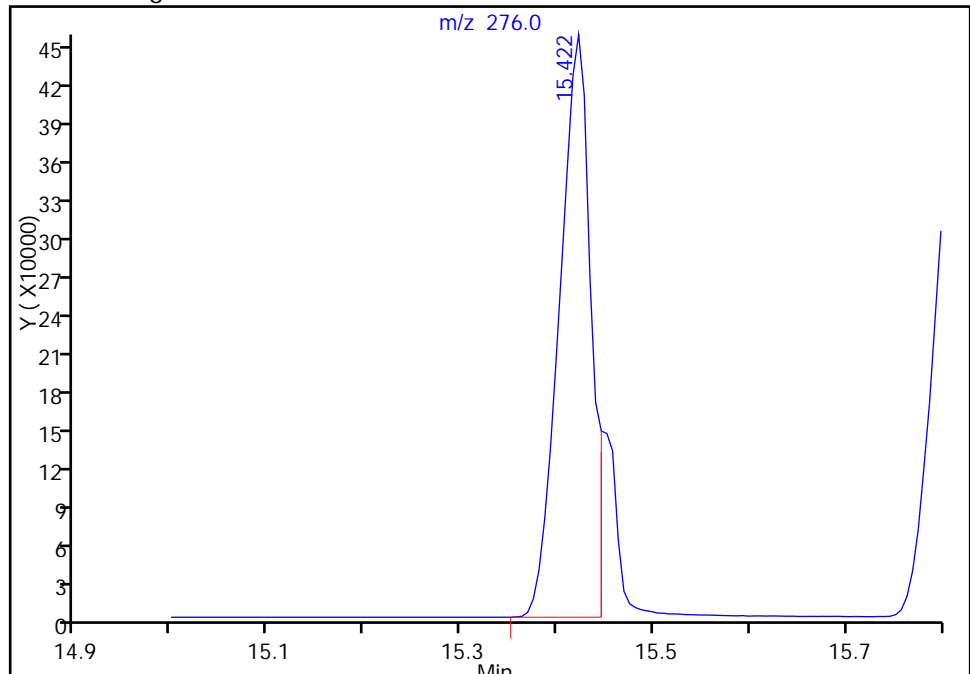
RT: 15.42
Area: 1185990
Amount: 144.4252
Amount Units: ug/ml

Processing Integration Results



RT: 15.42
Area: 1038812
Amount: 152.3187
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 11-Apr-2016 14:57:51
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132493.D
 Lims ID: STD80
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 11-Apr-2016 11:37:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-004
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:29:29 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 14:58:38

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	1.835	1.835	0.000	97	153856	80.0	77.8	
2 N-Nitrosodimethylamine	74	2.076	2.076	0.000	79	229261	80.0	80.4	
3 Pyridine	79	2.111	2.111	0.000	79	410830	80.0	80.9	
\$ 4 2-Fluorophenol	112	3.288	3.288	0.000	94	401930	80.0	78.3	
\$ 6 Phenol-d5	99	4.211	4.211	0.000	88	494295	80.0	79.3	
7 Phenol	94	4.229	4.223	0.006	98	498279	80.0	80.3	
8 Aniline	93	4.264	4.258	0.006	100	609787	80.0	80.7	
9 Bis(2-chloroethyl)ether	93	4.323	4.323	0.000	93	387147	80.0	78.1	
10 2-Chlorophenol	128	4.388	4.382	0.006	94	415754	80.0	79.4	
11 n-Decane	43	4.435	4.429	0.006	95	628806	80.0	77.9	
12 1,3-Dichlorobenzene	146	4.541	4.540	0.000	95	458833	80.0	79.0	
* 13 1,4-Dichlorobenzene-d4	152	4.593	4.593	0.000	97	151043	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.611	4.611	0.000	94	468405	80.0	79.3	
15 Benzyl alcohol	108	4.729	4.723	0.006	92	264474	80.0	82.0	
16 1,2-Dichlorobenzene	146	4.764	4.764	0.000	97	441563	80.0	79.1	
17 2-Methylphenol	108	4.835	4.835	0.000	89	364303	80.0	80.5	
18 2,2'-oxybis[1-chloropropan	45	4.864	4.864	0.000	93	802414	80.0	79.4	
20 3 & 4 Methylphenol	108	4.993	4.993	0.000	88	390659	80.0	78.6	
19 4-Methylphenol	108	4.993	4.993	0.000	84	390659	80.0	78.6	
21 N-Nitrosodi-n-propylamine	70	4.999	4.999	0.000	95	278370	80.0	80.3	
22 Acetophenone	105	4.999	4.999	0.000	89	507684	80.0	79.5	
25 Hexachloroethane	117	5.111	5.111	0.000	95	182335	80.0	79.1	
\$ 26 Nitrobenzene-d5	82	5.152	5.146	0.006	91	428648	80.0	78.7	
27 Nitrobenzene	77	5.170	5.170	0.000	93	551652	80.0	79.0	
28 n,n'-Dimethylaniline	120	5.176	5.176	0.000	95	579682	80.0	79.0	
29 Isophorone	82	5.417	5.411	0.006	99	704764	80.0	81.7	
30 2-Nitrophenol	139	5.487	5.487	0.000	89	218554	80.0	82.4	
31 2,4-Dimethylphenol	122	5.529	5.529	0.000	91	351379	80.0	79.7	
32 Bis(2-chloroethoxy)methane	93	5.623	5.623	0.000	96	445379	80.0	79.5	
33 Benzoic acid	122	5.652	5.635	0.017	91	202394	80.0	84.3	
34 2,4-Dichlorophenol	162	5.729	5.729	0.000	95	320027	80.0	81.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.823	5.823	0.000	95	338131	80.0	78.8	
* 36 Naphthalene-d8	136	5.876	5.876	0.000	99	568774	40.0	40.0	
37 Naphthalene	128	5.899	5.899	0.000	99	1148350	80.0	78.3	
38 4-Chloroaniline	127	5.952	5.946	0.006	96	469285	80.0	80.0	
39 Hexachlorobutadiene	225	6.029	6.029	0.000	94	192207	80.0	79.5	
41 4-Chloro-3-methylphenol	107	6.429	6.429	0.000	98	316936	80.0	82.1	
42 2-Methylnaphthalene	142	6.593	6.593	0.000	85	766717	80.0	78.9	
43 1-Methylnaphthalene	142	6.693	6.693	0.000	93	667729	80.0	79.4	
44 Hexachlorocyclopentadiene	237	6.758	6.758	0.000	95	181403	80.0	88.6	
45 1,2,4,5-Tetrachlorobenzene	216	6.764	6.764	0.000	96	300159	80.0	77.1	
46 2-tertbutyl-4-methylphenol	149	6.787	6.787	0.000	90	500063	80.0	79.0	
48 2,4,6-Trichlorophenol	196	6.870	6.876	-0.006	88	205751	80.0	78.0	
49 2,4,5-Trichlorophenol	196	6.905	6.905	0.000	96	218865	80.0	80.4	
\$ 50 2-Fluorobiphenyl	172	6.958	6.958	0.000	98	802251	80.0	77.1	
51 1,1'-Biphenyl	154	7.058	7.058	0.000	96	879668	80.0	77.0	
52 2-Chloronaphthalene	162	7.082	7.081	0.001	97	661212	80.0	78.1	
53 Phenyl ether	170	7.164	7.164	0.000	86	448160	80.0	76.5	
54 2-Nitroaniline	65	7.176	7.176	0.000	98	252716	80.0	79.4	
55 1,3-Dimethylnaphthalene	156	7.299	7.299	0.000	91	520896	80.0	73.3	
58 Dimethyl phthalate	163	7.364	7.358	0.006	99	694797	80.0	78.5	
59 Coumarin	146	7.387	7.387	0.000	73	231541	80.0	81.0	
60 2,6-Dinitrotoluene	165	7.417	7.417	0.000	94	165867	80.0	80.7	
61 Acenaphthylene	152	7.493	7.493	0.000	97	1021976	80.0	78.2	
62 3-Nitroaniline	138	7.587	7.587	0.000	95	185606	80.0	82.5	
* 63 Acenaphthene-d10	164	7.634	7.634	0.000	93	291380	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.652	7.652	0.000	98	551071	80.0	79.2	
65 Acenaphthene	154	7.664	7.670	-0.006	95	734994	80.0	80.6	
66 2,4-Dinitrophenol	184	7.687	7.687	0.000	74	216786	160.0	164.1	
67 4-Nitrophenol	65	7.746	7.746	0.000	92	273026	160.0	171.0	
68 2,4-Dinitrotoluene	165	7.817	7.817	0.000	96	213065	80.0	84.7	
69 Dibenzofuran	168	7.834	7.834	0.000	96	925168	80.0	78.7	
70 2,3,4,6-Tetrachlorophenol	232	7.958	7.958	0.000	94	172564	80.0	83.3	
71 Diethyl phthalate	149	8.058	8.058	0.000	98	707610	80.0	80.7	
73 4-Chlorophenyl phenyl ethe	204	8.170	8.170	0.000	83	317096	80.0	78.5	
74 Fluorene	166	8.176	8.176	0.000	96	734584	80.0	78.3	
75 4-Nitroaniline	138	8.199	8.193	0.006	92	181504	80.0	85.0	
76 4,6-Dinitro-2-methylphenol	198	8.223	8.223	0.000	82	247751	160.0	163.7	
77 N-Nitrosodiphenylamine	169	8.293	8.287	0.006	68	1005527	160.0	154.7	
78 1,2-Diphenylhydrazine	77	8.328	8.328	0.000	99	741305	80.0	78.3	
\$ 79 2,4,6-Tribromophenol	330	8.411	8.411	0.000	93	96577	80.0	78.8	
80 4-Bromophenyl phenyl ether	248	8.652	8.652	0.000	84	183929	80.0	79.2	
81 Hexachlorobenzene	284	8.728	8.728	0.000	99	189359	80.0	79.7	
83 Pentachlorophenol	266	8.917	8.917	0.000	92	250991	160.0	174.0	
84 Pentachloronitrobenzene	237	8.928	8.928	0.000	86	70537	80.0	73.6	
72 n-Octadecane	57	8.981	8.987	-0.006	92	670240	80.0	79.2	
* 85 Phenanthrene-d10	188	9.099	9.099	0.000	99	427438	40.0	40.0	
86 Phenanthrene	178	9.123	9.123	0.000	98	969776	80.0	78.4	
87 Anthracene	178	9.175	9.175	0.000	98	979666	80.0	79.1	
88 Carbazole	167	9.328	9.328	0.000	96	859524	80.0	79.6	
89 Di-n-butyl phthalate	149	9.664	9.664	0.000	100	1094105	80.0	80.6	
90 Fluoranthene	202	10.299	10.299	0.000	97	906605	80.0	80.3	
91 Benzidine	184	10.422	10.422	0.000	99	552897	80.0	83.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.534	10.534	0.000	97	920703	80.0	76.2	
93 Bisphenol-A	213	10.564	10.564	0.000	99	381366	80.0	78.7	
\$ 94 Terphenyl-d14	244	10.687	10.693	-0.006	99	632363	80.0	76.7	
95 Butyl benzyl phthalate	149	11.234	11.234	0.000	98	433948	80.0	79.9	
97 Carbamazepine	193	11.369	11.369	0.000	92	351864	80.0	87.6	
98 3,3'-Dichlorobenzidine	252	11.887	11.887	0.000	99	303185	80.0	91.7	
99 Benzo[a]anthracene	228	11.922	11.922	0.000	99	780836	80.0	77.9	
* 100 Chrysene-d12	240	11.940	11.940	0.000	98	329725	40.0	40.0	
102 Bis(2-ethylhexyl) phthalat	149	11.952	11.952	0.000	89	621262	80.0	81.8	
101 Chrysene	228	11.969	11.969	0.000	98	715475	80.0	79.1	
103 Di-n-octyl phthalate	149	12.840	12.840	0.000	97	1023317	80.0	82.7	
104 Benzo[b]fluoranthene	252	13.381	13.381	0.000	97	746562	80.0	87.7	
105 Benzo[k]fluoranthene	252	13.422	13.422	0.000	99	705626	80.0	79.2	
106 Benzo[a]pyrene	252	13.840	13.840	0.000	95	683257	80.0	85.1	
* 107 Perylene-d12	264	13.916	13.922	-0.006	97	293156	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.410	15.410	0.000	98	649745	80.0	90.0	
109 Dibenz(a,h)anthracene	278	15.440	15.440	0.000	95	619950	80.0	89.6	
110 Benzo[g,h,i]perylene	276	15.804	15.793	0.011	94	625177	80.0	81.2	
S 117 Total Cresols	1				0			159.2	

Reagents:

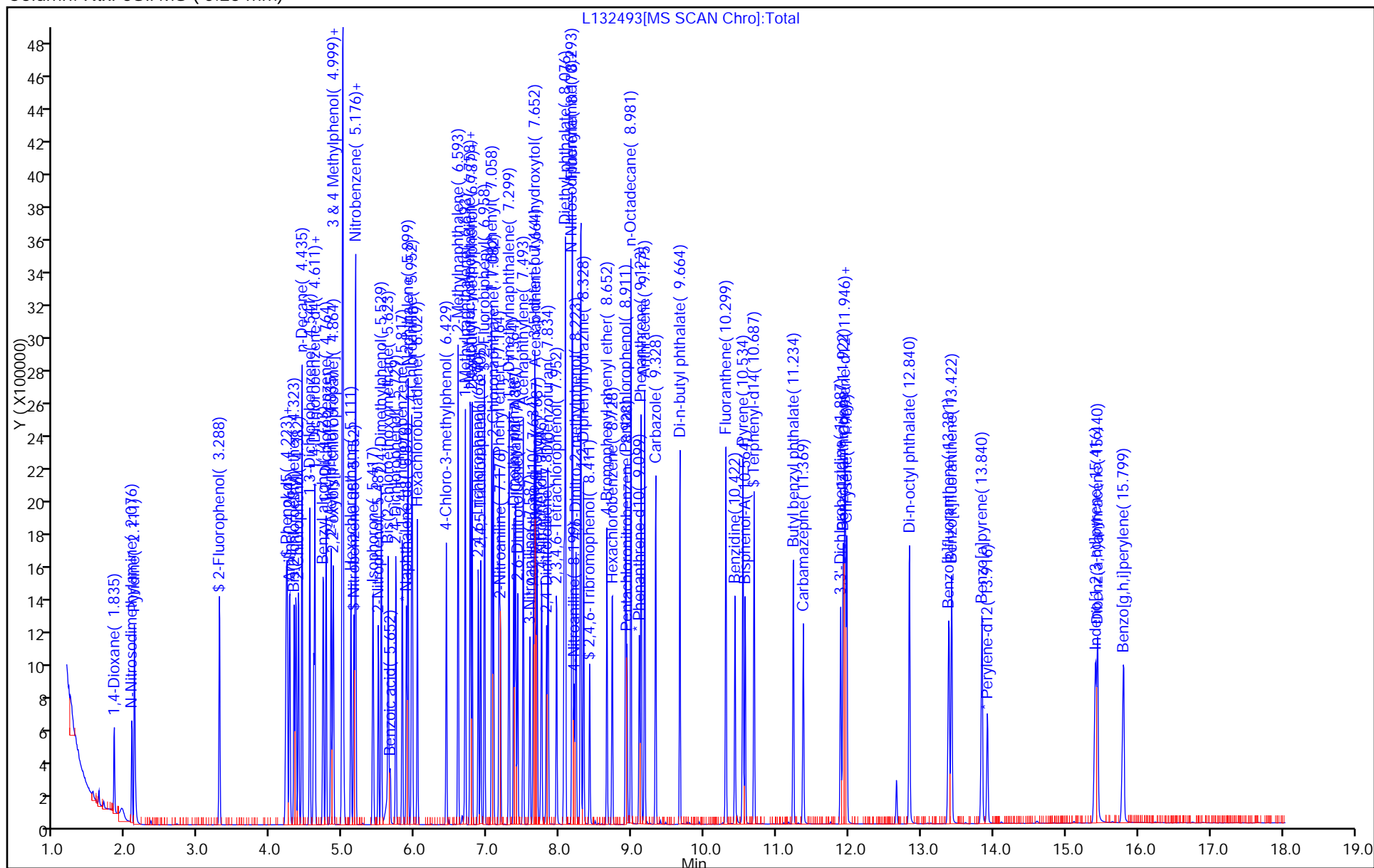
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Amount Added: 1.00

Units: mL

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Lims ID:	STD80		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)		

ALS Bottle#: 4



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132494.D
 Lims ID: STD20
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 11-Apr-2016 12:03:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-005
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:29:34 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:01:01

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	1.841	1.835	0.006	97	46506	20.0	20.5	
2 N-Nitrosodimethylamine	74	2.076	2.076	0.000	78	65652	20.0	20.1	
3 Pyridine	79	2.117	2.111	0.006	79	116472	20.0	20.0	
\$ 4 2-Fluorophenol	112	3.288	3.288	0.000	94	110110	20.0	18.7	
\$ 6 Phenol-d5	99	4.205	4.211	-0.006	89	132615	20.0	18.6	
7 Phenol	94	4.217	4.223	-0.006	98	142915	20.0	20.1	
8 Aniline	93	4.258	4.258	0.000	99	173367	20.0	20.0	
9 Bis(2-chloroethyl)ether	93	4.317	4.323	-0.006	94	112679	20.0	19.8	
10 2-Chlorophenol	128	4.382	4.382	0.000	94	120388	20.0	20.0	
11 n-Decane	43	4.429	4.429	0.000	95	189502	20.0	20.5	
12 1,3-Dichlorobenzene	146	4.540	4.540	0.000	95	134952	20.0	20.3	
* 13 1,4-Dichlorobenzene-d4	152	4.593	4.593	0.000	97	173218	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.611	4.611	0.000	94	136989	20.0	20.2	
15 Benzyl alcohol	108	4.717	4.723	-0.006	92	75148	20.0	20.3	
16 1,2-Dichlorobenzene	146	4.764	4.764	0.000	95	129619	20.0	20.3	
17 2-Methylphenol	108	4.829	4.835	-0.006	89	105127	20.0	20.3	
18 2,2'-oxybis[1-chloropropan	45	4.864	4.864	0.000	93	234040	20.0	20.2	
20 3 & 4 Methylphenol	108	4.982	4.993	-0.011	82	117350	20.0	20.6	
19 4-Methylphenol	108	4.982	4.993	-0.011	85	117350	20.0	20.6	
21 N-Nitrosodi-n-propylamine	70	4.988	4.999	-0.011	87	80124	20.0	20.2	
22 Acetophenone	105	4.993	4.999	-0.006	92	150421	20.0	20.5	
25 Hexachloroethane	117	5.105	5.111	-0.006	93	54063	20.0	20.5	
\$ 26 Nitrobenzene-d5	82	5.146	5.146	0.000	91	112728	20.0	18.2	
27 Nitrobenzene	77	5.164	5.170	-0.006	90	159286	20.0	20.1	
28 n,n'-Dimethylaniline	120	5.170	5.176	-0.006	93	172606	20.0	20.5	
29 Isophorone	82	5.399	5.411	-0.012	99	201614	20.0	20.6	
30 2-Nitrophenol	139	5.487	5.487	0.000	91	60406	20.0	20.1	
31 2,4-Dimethylphenol	122	5.523	5.529	-0.006	91	101836	20.0	20.4	
32 Bis(2-chloroethoxy)methane	93	5.617	5.623	-0.006	97	127433	20.0	20.1	
33 Benzoic acid	122	5.593	5.635	-0.042	89	43884	20.0	18.6	
34 2,4-Dichlorophenol	162	5.723	5.729	-0.006	95	91252	20.0	20.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.817	5.823	-0.006	94	98470	20.0	20.2	
* 36 Naphthalene-d8	136	5.876	5.876	0.000	99	644783	40.0	40.0	
37 Naphthalene	128	5.893	5.899	-0.006	99	336123	20.0	20.2	
38 4-Chloroaniline	127	5.946	5.946	0.000	96	135181	20.0	20.3	
39 Hexachlorobutadiene	225	6.029	6.029	0.000	94	54484	20.0	19.9	
41 4-Chloro-3-methylphenol	107	6.423	6.429	-0.006	98	89292	20.0	20.4	
42 2-Methylnaphthalene	142	6.587	6.593	-0.006	85	224117	20.0	20.4	
43 1-Methylnaphthalene	142	6.687	6.693	-0.006	94	196122	20.0	20.6	
44 Hexachlorocyclopentadiene	237	6.758	6.758	0.000	96	41529	20.0	18.1	
45 1,2,4,5-Tetrachlorobenzene	216	6.758	6.764	-0.006	96	87289	20.0	20.0	
46 2-tertbutyl-4-methylphenol	149	6.782	6.787	-0.005	91	148156	20.0	20.6	
48 2,4,6-Trichlorophenol	196	6.870	6.876	-0.006	88	57965	20.0	19.9	
49 2,4,5-Trichlorophenol	196	6.899	6.905	-0.006	96	61560	20.0	20.2	
\$ 50 2-Fluorobiphenyl	172	6.952	6.958	-0.006	98	220771	20.0	19.0	
51 1,1'-Biphenyl	154	7.052	7.058	-0.006	96	258045	20.0	20.2	
52 2-Chloronaphthalene	162	7.076	7.081	-0.005	97	191228	20.0	20.2	
53 Phenyl ether	170	7.158	7.164	-0.006	90	131395	20.0	20.0	
54 2-Nitroaniline	65	7.170	7.176	-0.006	98	71738	20.0	20.1	
55 1,3-Dimethylnaphthalene	156	7.293	7.299	-0.006	91	162464	20.0	20.4	
58 Dimethyl phthalate	163	7.352	7.358	-0.006	99	203341	20.0	20.5	
59 Coumarin	146	7.376	7.387	-0.011	74	66075	20.0	20.4	
60 2,6-Dinitrotoluene	165	7.411	7.417	-0.006	94	47394	20.0	20.6	
61 Acenaphthylene	152	7.487	7.493	-0.006	97	298490	20.0	20.4	
62 3-Nitroaniline	138	7.576	7.587	-0.011	95	51075	20.0	20.3	
* 63 Acenaphthene-d10	164	7.629	7.634	-0.006	93	326068	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.646	7.652	-0.006	98	157417	20.0	20.2	
65 Acenaphthene	154	7.664	7.670	-0.006	95	210478	20.0	20.6	
66 2,4-Dinitrophenol	184	7.676	7.687	-0.011	94	50166	40.0	38.7	
67 4-Nitrophenol	65	7.734	7.746	-0.012	92	71075	40.0	39.8	
68 2,4-Dinitrotoluene	165	7.805	7.817	-0.012	94	59612	20.0	21.2	
69 Dibenzofuran	168	7.834	7.834	0.000	96	265477	20.0	20.2	
70 2,3,4,6-Tetrachlorophenol	232	7.952	7.958	-0.006	92	47628	20.0	20.5	
71 Diethyl phthalate	149	8.052	8.058	-0.006	98	206180	20.0	21.0	
73 4-Chlorophenyl phenyl ethe	204	8.164	8.170	-0.006	83	93933	20.0	20.8	
74 Fluorene	166	8.170	8.176	-0.006	96	216043	20.0	20.6	
75 4-Nitroaniline	138	8.181	8.193	-0.012	92	48147	20.0	20.2	
76 4,6-Dinitro-2-methylphenol	198	8.211	8.223	-0.012	81	63780	40.0	39.1	
77 N-Nitrosodiphenylamine	169	8.281	8.287	-0.006	67	295607	40.0	40.7	
78 1,2-Diphenylhydrazine	77	8.323	8.328	-0.005	99	214117	20.0	20.2	
\$ 79 2,4,6-Tribromophenol	330	8.405	8.411	-0.006	92	24770	20.0	18.4	
80 4-Bromophenyl phenyl ether	248	8.652	8.652	0.000	88	52672	20.0	20.3	
81 Hexachlorobenzene	284	8.723	8.728	-0.005	99	53261	20.0	20.1	
83 Pentachlorophenol	266	8.911	8.917	-0.006	92	66691	40.0	41.4	
84 Pentachloronitrobenzene	237	8.928	8.928	0.000	86	21632	20.0	20.2	
72 n-Octadecane	57	8.981	8.987	-0.006	92	192031	20.0	20.3	
* 85 Phenanthrene-d10	188	9.099	9.099	0.000	99	477403	40.0	40.0	
86 Phenanthrene	178	9.123	9.123	0.000	98	280430	20.0	20.3	
87 Anthracene	178	9.170	9.175	-0.005	98	280671	20.0	20.3	
88 Carbazole	167	9.323	9.328	-0.005	96	242202	20.0	20.1	
89 Di-n-butyl phthalate	149	9.658	9.664	-0.006	100	310875	20.0	20.5	
90 Fluoranthene	202	10.293	10.299	-0.006	97	256684	20.0	20.4	
91 Benzidine	184	10.417	10.422	-0.005	99	115936	20.0	20.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.528	10.534	-0.006	97	261297	20.0	20.4	
93 Bisphenol-A	213	10.558	10.564	-0.006	99	96530	20.0	18.8	
\$ 94 Terphenyl-d14	244	10.687	10.693	-0.006	99	167204	20.0	19.1	
95 Butyl benzyl phthalate	149	11.228	11.234	-0.006	97	118865	20.0	20.7	
97 Carbamazepine	193	11.358	11.369	-0.011	92	81907	20.0	19.2	
98 3,3'-Dichlorobenzidine	252	11.881	11.887	-0.006	99	69638	20.0	19.9	
99 Benzo[a]anthracene	228	11.916	11.922	-0.006	99	207175	20.0	19.5	
* 100 Chrysene-d12	240	11.928	11.940	-0.012	98	349550	40.0	40.0	
102 Bis(2-ethylhexyl) phthalat	149	11.946	11.952	-0.006	88	164380	20.0	20.4	
101 Chrysene	228	11.964	11.969	-0.005	98	192382	20.0	20.1	
103 Di-n-octyl phthalate	149	12.834	12.840	-0.006	97	256851	20.0	21.4	
104 Benzo[b]fluoranthene	252	13.369	13.381	-0.012	98	170206	20.0	20.6	
105 Benzo[k]fluoranthene	252	13.410	13.422	-0.012	99	183410	20.0	21.2	
106 Benzo[a]pyrene	252	13.828	13.840	-0.012	96	164151	20.0	21.1	
* 107 Perylene-d12	264	13.910	13.922	-0.012	96	284338	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.393	15.410	-0.017	97	141023	20.0	20.1	M
109 Dibenz(a,h)anthracene	278	15.422	15.440	-0.018	93	141576	20.0	21.1	
110 Benzo[g,h,i]perylene	276	15.775	15.793	-0.018	94	145884	20.0	19.5	
S 117 Total Cresols	1				0			40.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

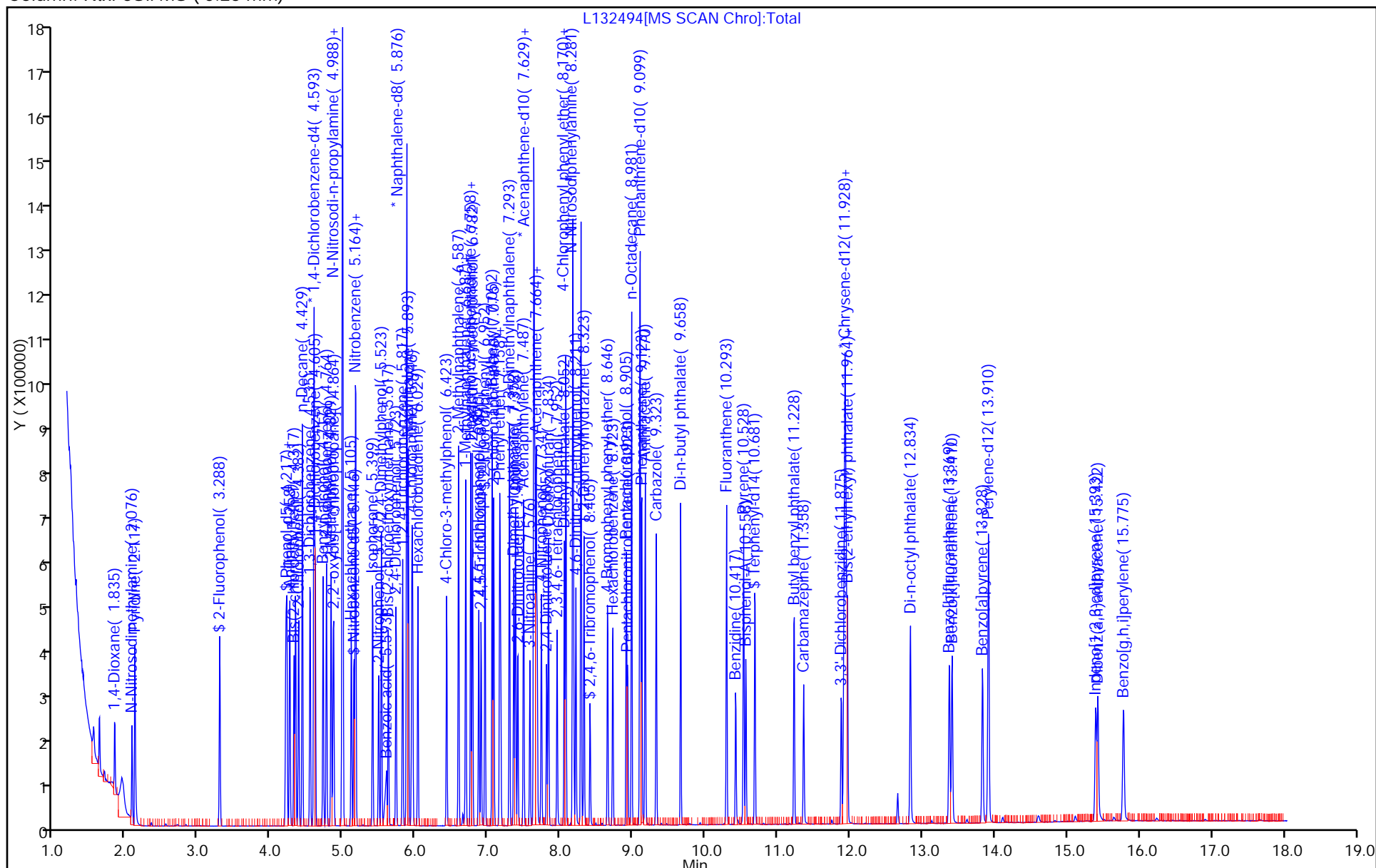
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Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132494.D		
Injection Date:	11-Apr-2016 12:03:30	Instrument ID:	CBNAMS12
Lims ID:	STD20		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)		

Operator ID:
Worklist Smp#: 5
ALS Bottle#: 5



TestAmerica Edison

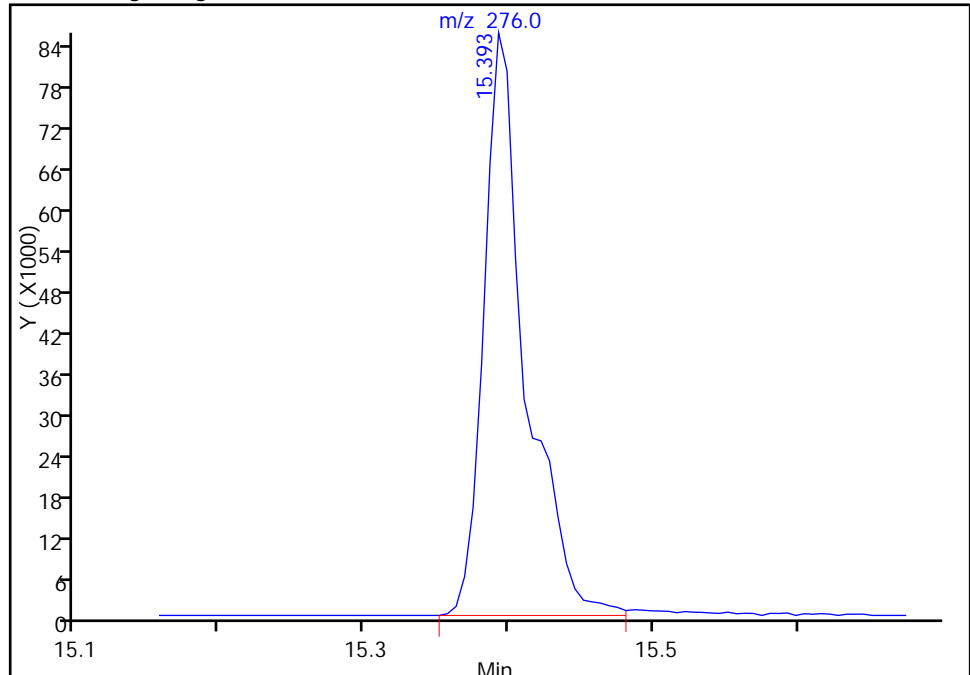
Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132494.D
Injection Date: 11-Apr-2016 12:03:30 Instrument ID: CBNAMS12
Lims ID: STD20
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 5 Worklist Smp#: 5
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

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

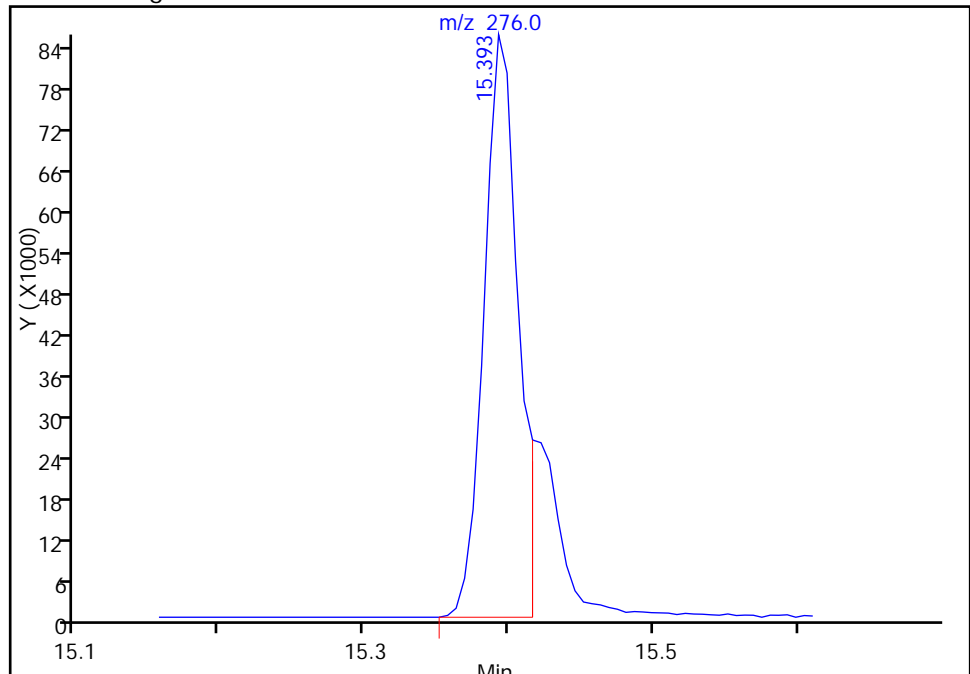
RT: 15.39
Area: 170342
Amount: 22.100416
Amount Units: ug/ml

Processing Integration Results



RT: 15.39
Area: 141023
Amount: 20.133628
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 11-Apr-2016 15:01:01
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132495.D
 Lims ID: STD10
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 11-Apr-2016 12:29:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-006
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:29:39 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:02:48

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	1.835	1.835	0.000	95	23185	10.0	9.94	
2 N-Nitrosodimethylamine	74	2.076	2.076	0.000	79	33503	10.0	9.96	
3 Pyridine	79	2.117	2.111	0.006	80	60084	10.0	10.0	
\$ 4 2-Fluorophenol	112	3.288	3.288	0.000	94	58825	10.0	9.71	
\$ 6 Phenol-d5	99	4.199	4.211	-0.012	84	73399	10.0	9.98	
7 Phenol	94	4.217	4.223	-0.006	99	75423	10.0	10.3	
8 Aniline	93	4.258	4.258	0.000	99	90047	10.0	10.1	
9 Bis(2-chloroethyl)ether	93	4.317	4.323	-0.006	94	59270	10.0	10.1	
10 2-Chlorophenol	128	4.382	4.382	0.000	95	63321	10.0	10.2	
11 n-Decane	43	4.429	4.429	0.000	95	98389	10.0	10.3	
12 1,3-Dichlorobenzene	146	4.541	4.540	0.001	95	70439	10.0	10.3	
* 13 1,4-Dichlorobenzene-d4	152	4.594	4.593	0.001	97	178183	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.611	4.611	0.000	96	71334	10.0	10.2	
15 Benzyl alcohol	108	4.717	4.723	-0.006	92	37811	10.0	9.93	
16 1,2-Dichlorobenzene	146	4.764	4.764	0.000	95	68070	10.0	10.3	
17 2-Methylphenol	108	4.829	4.835	-0.006	89	55167	10.0	10.3	
18 2,2'-oxybis[1-chloropropan	45	4.864	4.864	0.000	93	123352	10.0	10.3	
20 3 & 4 Methylphenol	108	4.982	4.993	-0.011	87	62057	10.0	10.6	
19 4-Methylphenol	108	4.982	4.993	-0.011	83	62057	10.0	10.6	
21 N-Nitrosodi-n-propylamine	70	4.988	4.999	-0.011	89	42344	10.0	10.4	
22 Acetophenone	105	4.988	4.999	-0.011	89	78949	10.0	10.5	
25 Hexachloroethane	117	5.105	5.111	-0.006	94	27713	10.0	10.2	
\$ 26 Nitrobenzene-d5	82	5.141	5.146	-0.005	91	63420	10.0	9.90	
27 Nitrobenzene	77	5.164	5.170	-0.006	89	83146	10.0	10.1	
28 n,n'-Dimethylaniline	120	5.170	5.176	-0.006	93	88345	10.0	10.2	
29 Isophorone	82	5.399	5.411	-0.012	98	103331	10.0	10.2	
30 2-Nitrophenol	139	5.488	5.487	0.001	89	31110	10.0	9.97	
31 2,4-Dimethylphenol	122	5.523	5.529	-0.006	91	52433	10.0	10.1	
32 Bis(2-chloroethoxy)methane	93	5.617	5.623	-0.006	97	66761	10.0	10.1	
33 Benzoic acid	122	5.576	5.635	-0.059	89	17969	10.0	9.22	
34 2,4-Dichlorophenol	162	5.723	5.729	-0.006	95	46618	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.817	5.823	-0.006	94	51051	10.0	10.1	
* 36 Naphthalene-d8	136	5.876	5.876	0.000	99	668915	40.0	40.0	
37 Naphthalene	128	5.893	5.899	-0.006	100	176758	10.0	10.3	
38 4-Chloroaniline	127	5.941	5.946	-0.006	97	70757	10.0	10.3	
39 Hexachlorobutadiene	225	6.029	6.029	0.000	93	28031	10.0	9.86	
41 4-Chloro-3-methylphenol	107	6.423	6.429	-0.006	98	45590	10.0	10.0	
42 2-Methylnaphthalene	142	6.588	6.593	-0.005	86	118332	10.0	10.4	
43 1-Methylnaphthalene	142	6.688	6.693	-0.005	94	101420	10.0	10.3	
44 Hexachlorocyclopentadiene	237	6.758	6.758	0.000	96	20337	10.0	8.64	
45 1,2,4,5-Tetrachlorobenzene	216	6.758	6.764	-0.006	96	45779	10.0	10.2	
46 2-tertbutyl-4-methylphenol	149	6.782	6.787	-0.005	91	74423	10.0	10.0	
48 2,4,6-Trichlorophenol	196	6.870	6.876	-0.006	88	29934	10.0	10.2	
49 2,4,5-Trichlorophenol	196	6.899	6.905	-0.006	96	30983	10.0	9.90	
\$ 50 2-Fluorobiphenyl	172	6.952	6.958	-0.006	98	120431	10.0	10.1	
51 1,1'-Biphenyl	154	7.052	7.058	-0.006	95	136117	10.0	10.4	
52 2-Chloronaphthalene	162	7.076	7.081	-0.005	97	100164	10.0	10.3	
53 Phenyl ether	170	7.158	7.164	-0.006	90	67254	10.0	9.98	
54 2-Nitroaniline	65	7.170	7.176	-0.006	99	37009	10.0	10.1	
55 1,3-Dimethylnaphthalene	156	7.293	7.299	-0.006	92	82865	10.0	10.1	
58 Dimethyl phthalate	163	7.352	7.358	-0.006	100	106900	10.0	10.5	
59 Coumarin	146	7.376	7.387	-0.011	76	34480	10.0	10.3	
60 2,6-Dinitrotoluene	165	7.405	7.417	-0.012	94	24442	10.0	10.4	
61 Acenaphthylene	152	7.487	7.493	-0.006	98	154541	10.0	10.3	
62 3-Nitroaniline	138	7.576	7.587	-0.011	95	26104	10.0	10.1	
* 63 Acenaphthene-d10	164	7.629	7.634	-0.005	93	334933	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.646	7.652	-0.006	98	76767	10.0	9.60	
65 Acenaphthene	154	7.664	7.670	-0.006	94	107970	10.0	10.3	
66 2,4-Dinitrophenol	184	7.676	7.687	-0.011	93	24343	20.0	20.4	
67 4-Nitrophenol	65	7.729	7.746	-0.017	93	36733	20.0	20.0	
68 2,4-Dinitrotoluene	165	7.805	7.817	-0.012	94	30572	10.0	10.6	
69 Dibenzofuran	168	7.829	7.834	-0.005	96	140527	10.0	10.4	
70 2,3,4,6-Tetrachlorophenol	232	7.952	7.958	-0.006	91	23943	10.0	10.1	
71 Diethyl phthalate	149	8.046	8.058	-0.012	98	103785	10.0	10.3	
73 4-Chlorophenyl phenyl ethe	204	8.164	8.170	-0.006	86	48140	10.0	10.4	
74 Fluorene	166	8.170	8.176	-0.006	97	113800	10.0	10.6	
75 4-Nitroaniline	138	8.176	8.193	-0.017	93	24700	10.0	10.1	
76 4,6-Dinitro-2-methylphenol	198	8.211	8.223	-0.012	85	31148	20.0	19.1	
77 N-Nitrosodiphenylamine	169	8.282	8.287	-0.005	67	157012	20.0	20.6	
78 1,2-Diphenylhydrazine	77	8.323	8.328	-0.005	99	110253	10.0	9.92	
\$ 79 2,4,6-Tribromophenol	330	8.405	8.411	-0.006	92	13343	10.0	9.89	
80 4-Bromophenyl phenyl ether	248	8.646	8.652	-0.006	83	26602	10.0	9.76	
81 Hexachlorobenzene	284	8.723	8.728	-0.005	99	27738	10.0	9.95	
83 Pentachlorophenol	266	8.911	8.917	-0.006	92	34755	20.0	20.5	
84 Pentachloronitrobenzene	237	8.923	8.928	-0.005	86	11401	10.0	10.1	
72 n-Octadecane	57	8.981	8.987	-0.006	93	96040	10.0	9.67	
* 85 Phenanthrene-d10	188	9.099	9.099	0.000	99	501726	40.0	40.0	
86 Phenanthrene	178	9.117	9.123	-0.006	98	146548	10.0	10.1	
87 Anthracene	178	9.170	9.175	-0.005	98	146284	10.0	10.1	
88 Carbazole	167	9.323	9.328	-0.005	96	129780	10.0	10.2	
89 Di-n-butyl phthalate	149	9.658	9.664	-0.006	100	160344	10.0	10.1	
90 Fluoranthene	202	10.293	10.299	-0.006	98	132541	10.0	10.0	
91 Benzidine	184	10.417	10.422	-0.005	99	57075	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.528	10.534	-0.006	97	133778	10.0	10.4	
93 Bisphenol-A	213	10.558	10.564	-0.006	99	52270	10.0	10.1	
\$ 94 Terphenyl-d14	244	10.687	10.693	-0.006	99	90046	10.0	10.2	
95 Butyl benzyl phthalate	149	11.228	11.234	-0.006	97	58268	10.0	10.1	
97 Carbamazepine	193	11.358	11.369	-0.011	92	36972	10.0	8.63	
98 3,3'-Dichlorobenzidine	252	11.881	11.887	-0.006	99	32536	10.0	9.23	
99 Benzo[a]anthracene	228	11.917	11.922	-0.005	99	105231	10.0	9.84	
* 100 Chrysene-d12	240	11.928	11.940	-0.012	98	351576	40.0	40.0	
102 Bis(2-ethylhexyl) phthalat	149	11.946	11.952	-0.006	89	79772	10.0	9.85	
101 Chrysene	228	11.964	11.969	-0.005	99	98142	10.0	10.2	
103 Di-n-octyl phthalate	149	12.834	12.840	-0.006	97	120445	10.0	9.74	
104 Benzo[b]fluoranthene	252	13.369	13.381	-0.012	98	87679	10.0	10.3	
105 Benzo[k]fluoranthene	252	13.411	13.422	-0.011	99	88809	10.0	9.99	
106 Benzo[a]pyrene	252	13.828	13.840	-0.012	96	81202	10.0	10.1	
* 107 Perylene-d12	264	13.916	13.922	-0.006	96	292781	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.393	15.410	-0.017	97	71944	10.0	9.98	M
109 Dibenz(a,h)anthracene	278	15.422	15.440	-0.018	93	71142	10.0	10.3	
110 Benzo[g,h,i]perylene	276	15.775	15.793	-0.018	94	73182	10.0	9.52	
S 117 Total Cresols	1				0			20.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L4_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132495.D

Injection Date: 11-Apr-2016 12:29:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD10

Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul

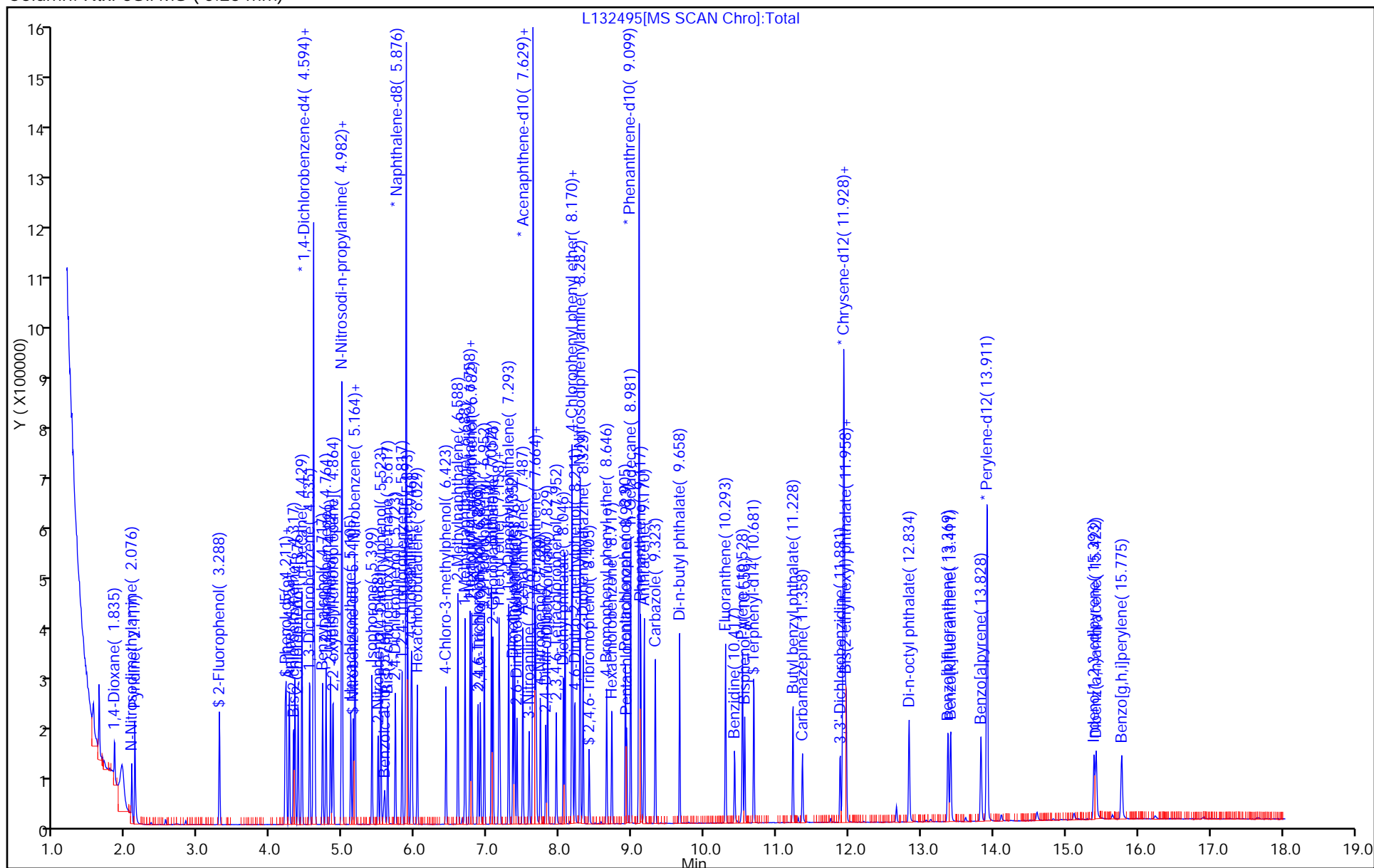
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

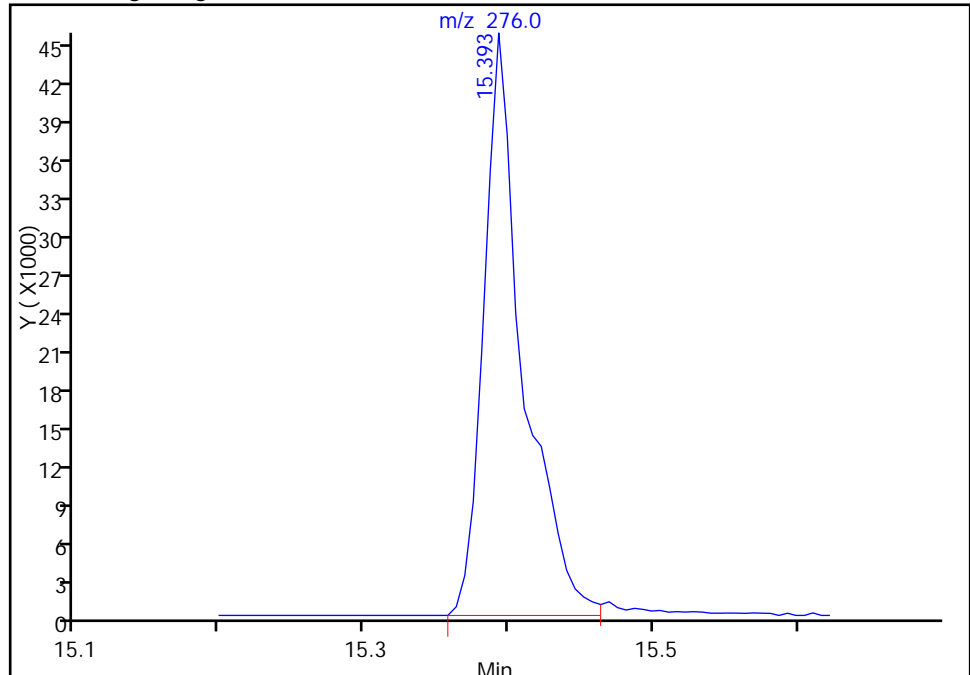
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Injection Date: 11-Apr-2016 12:29:30 Instrument ID: CBNAMS12
Lims ID: STD10
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 6 Worklist Smp#: 6
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

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

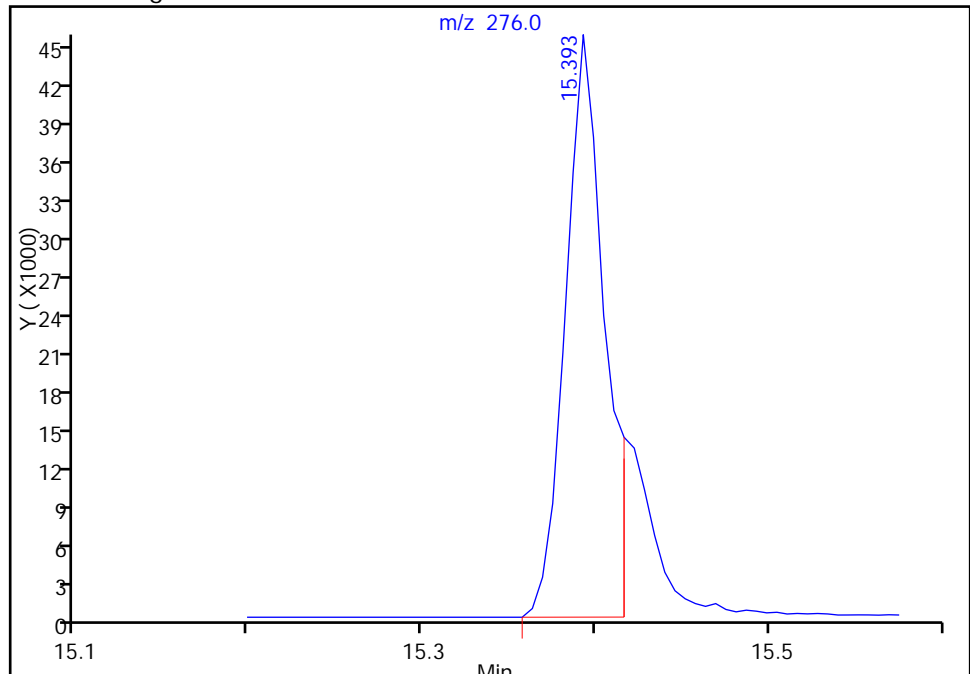
RT: 15.39
Area: 85499
Amount: 11.005453
Amount Units: ug/ml

Processing Integration Results



RT: 15.39
Area: 71944
Amount: 9.975133
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 11-Apr-2016 15:02:48
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132496.D
 Lims ID: STD5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 11-Apr-2016 12:54:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-007
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:29:44 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:04:25

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	1.841	1.835	0.006	98	11911	5.00	4.99	
2 N-Nitrosodimethylamine	74	2.082	2.076	0.006	77	16009	5.00	4.65	
3 Pyridine	79	2.123	2.111	0.012	80	28995	5.00	4.73	
\$ 4 2-Fluorophenol	112	3.288	3.288	0.000	93	30420	5.00	4.91	
\$ 6 Phenol-d5	99	4.199	4.211	-0.012	84	37607	5.00	5.00	
7 Phenol	94	4.211	4.223	-0.012	98	35542	5.00	4.75	
8 Aniline	93	4.258	4.258	0.000	99	42665	5.00	4.68	
9 Bis(2-chloroethyl)ether	93	4.317	4.323	-0.006	92	28068	5.00	4.69	
10 2-Chlorophenol	128	4.376	4.382	-0.006	94	30272	5.00	4.79	
11 n-Decane	43	4.429	4.429	0.000	95	48146	5.00	4.94	
12 1,3-Dichlorobenzene	146	4.540	4.540	0.000	95	33703	5.00	4.81	
* 13 1,4-Dichlorobenzene-d4	152	4.593	4.593	0.000	97	182190	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.611	4.611	0.000	94	34598	5.00	4.85	
15 Benzyl alcohol	108	4.717	4.723	-0.006	92	18216	5.00	4.68	
16 1,2-Dichlorobenzene	146	4.764	4.764	0.000	95	32415	5.00	4.82	
17 2-Methylphenol	108	4.829	4.835	-0.006	88	25705	5.00	4.71	
18 2,2'-oxybis[1-chloropropan	45	4.864	4.864	0.000	93	58839	5.00	4.82	
20 3 & 4 Methylphenol	108	4.982	4.993	-0.011	85	29268	5.00	4.88	
19 4-Methylphenol	108	4.982	4.993	-0.011	83	29268	5.00	4.88	
21 N-Nitrosodi-n-propylamine	70	4.987	4.999	-0.012	83	19697	5.00	4.71	
22 Acetophenone	105	4.987	4.999	-0.012	91	37735	5.00	4.90	
25 Hexachloroethane	117	5.105	5.111	-0.006	93	13206	5.00	4.75	
\$ 26 Nitrobenzene-d5	82	5.140	5.146	-0.006	91	32026	5.00	5.05	
27 Nitrobenzene	77	5.164	5.170	-0.006	91	40467	5.00	4.98	
28 n,n'-Dimethylaniline	120	5.170	5.176	-0.006	93	43512	5.00	4.92	
29 Isophorone	82	5.399	5.411	-0.012	99	48596	5.00	4.84	
30 2-Nitrophenol	139	5.487	5.487	0.000	88	13529	5.00	4.39	
31 2,4-Dimethylphenol	122	5.523	5.529	-0.006	91	24571	5.00	4.79	
32 Bis(2-chloroethoxy)methane	93	5.617	5.623	-0.006	97	31484	5.00	4.83	
33 Benzoic acid	122	5.564	5.635	-0.071	90	6302	5.00	5.27	
34 2,4-Dichlorophenol	162	5.723	5.729	-0.006	95	21925	5.00	4.78	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.817	5.823	-0.006	94	24476	5.00	4.90	
* 36 Naphthalene-d8	136	5.876	5.876	0.000	99	661280	40.0	40.0	
37 Naphthalene	128	5.893	5.899	-0.006	99	83948	5.00	4.93	
38 4-Chloroaniline	127	5.940	5.946	-0.006	97	32436	5.00	4.76	
39 Hexachlorobutadiene	225	6.029	6.029	0.000	93	13523	5.00	4.81	
41 4-Chloro-3-methylphenol	107	6.423	6.429	-0.006	97	20709	5.00	4.61	
42 2-Methylnaphthalene	142	6.587	6.593	-0.006	86	55302	5.00	4.90	
43 1-Methylnaphthalene	142	6.687	6.693	-0.006	94	47303	5.00	4.84	
44 Hexachlorocyclopentadiene	237	6.758	6.758	0.000	95	8766	5.00	3.78	
45 1,2,4,5-Tetrachlorobenzene	216	6.758	6.764	-0.006	96	21418	5.00	4.86	
46 2-tertbutyl-4-methylphenol	149	6.781	6.787	-0.006	91	35400	5.00	4.81	
48 2,4,6-Trichlorophenol	196	6.870	6.876	-0.006	87	13087	5.00	4.73	
49 2,4,5-Trichlorophenol	196	6.899	6.905	-0.006	95	14568	5.00	4.72	
\$ 50 2-Fluorobiphenyl	172	6.952	6.958	-0.006	98	59052	5.00	5.01	
51 1,1'-Biphenyl	154	7.052	7.058	-0.006	95	62984	5.00	4.87	
52 2-Chloronaphthalene	162	7.076	7.081	-0.005	97	45688	5.00	4.76	
53 Phenyl ether	170	7.158	7.164	-0.006	90	32401	5.00	4.88	
54 2-Nitroaniline	65	7.170	7.176	-0.006	97	17368	5.00	4.82	
55 1,3-Dimethylnaphthalene	156	7.293	7.299	-0.006	92	41195	5.00	5.12	
58 Dimethyl phthalate	163	7.352	7.358	-0.006	99	49237	5.00	4.91	
59 Coumarin	146	7.376	7.387	-0.011	76	16334	5.00	4.92	
60 2,6-Dinitrotoluene	165	7.405	7.417	-0.012	94	11494	5.00	4.94	
61 Acenaphthylene	152	7.487	7.493	-0.006	97	71539	5.00	4.83	
62 3-Nitroaniline	138	7.576	7.587	-0.011	95	12008	5.00	4.71	
* 63 Acenaphthene-d10	164	7.628	7.634	-0.006	93	330098	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.646	7.652	-0.006	98	36163	5.00	4.59	
65 Acenaphthene	154	7.658	7.670	-0.012	94	49721	5.00	4.81	
66 2,4-Dinitrophenol	184	7.676	7.687	-0.011	66	8786	10.0	9.82	
67 4-Nitrophenol	65	7.728	7.746	-0.018	91	16018	10.0	8.85	
68 2,4-Dinitrotoluene	165	7.805	7.817	-0.012	92	13457	5.00	4.72	
69 Dibenzofuran	168	7.828	7.834	-0.006	96	65393	5.00	4.91	
70 2,3,4,6-Tetrachlorophenol	232	7.952	7.958	-0.006	92	10476	5.00	4.46	
71 Diethyl phthalate	149	8.046	8.058	-0.012	98	48669	5.00	4.90	
73 4-Chlorophenyl phenyl ethe	204	8.164	8.170	-0.006	86	22405	5.00	4.90	
74 Fluorene	166	8.170	8.176	-0.006	96	53119	5.00	5.00	
75 4-Nitroaniline	138	8.175	8.193	-0.018	94	11131	5.00	4.60	
76 4,6-Dinitro-2-methylphenol	198	8.205	8.223	-0.018	80	13379	10.0	9.39	
77 N-Nitrosodiphenylamine	169	8.275	8.287	-0.012	68	72795	10.0	9.73	
78 1,2-Diphenylhydrazine	77	8.323	8.328	-0.005	99	51321	5.00	4.71	
\$ 79 2,4,6-Tribromophenol	330	8.405	8.411	-0.006	92	6250	5.00	4.94	
80 4-Bromophenyl phenyl ether	248	8.646	8.652	-0.006	83	12428	5.00	4.65	
81 Hexachlorobenzene	284	8.723	8.728	-0.006	99	13165	5.00	4.82	
83 Pentachlorophenol	266	8.905	8.917	-0.012	90	14399	10.0	8.68	
84 Pentachloronitrobenzene	237	8.922	8.928	-0.006	84	5462	5.00	4.96	
72 n-Octadecane	57	8.981	8.987	-0.006	93	44771	5.00	4.60	
* 85 Phenanthrene-d10	188	9.093	9.099	-0.006	99	491656	40.0	40.0	
86 Phenanthrene	178	9.117	9.123	-0.006	98	69692	5.00	4.90	
87 Anthracene	178	9.170	9.175	-0.005	98	67466	5.00	4.74	
88 Carbazole	167	9.322	9.328	-0.006	96	60547	5.00	4.87	
89 Di-n-butyl phthalate	149	9.658	9.664	-0.006	100	75632	5.00	4.84	
90 Fluoranthene	202	10.293	10.299	-0.006	97	62602	5.00	4.82	
91 Benzidine	184	10.417	10.422	-0.005	99	27857	5.00	5.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.528	10.534	-0.006	97	64583	5.00	5.00	
93 Bisphenol-A	213	10.558	10.564	-0.006	99	28824	5.00	5.56	
\$ 94 Terphenyl-d14	244	10.681	10.693	-0.012	98	46212	5.00	5.25	
95 Butyl benzyl phthalate	149	11.222	11.234	-0.012	98	26719	5.00	4.60	
97 Carbamazepine	193	11.358	11.369	-0.011	93	17509	5.00	4.08	
98 3,3'-Dichlorobenzidine	252	11.881	11.887	-0.006	98	15638	5.00	4.43	
99 Benzo[a]anthracene	228	11.916	11.922	-0.006	99	49111	5.00	4.58	
* 100 Chrysene-d12	240	11.928	11.940	-0.012	98	352388	40.0	40.0	
102 Bis(2-ethylhexyl) phthalat	149	11.946	11.952	-0.006	89	38221	5.00	4.71	
101 Chrysene	228	11.958	11.969	-0.011	99	47280	5.00	4.89	
103 Di-n-octyl phthalate	149	12.834	12.840	-0.006	97	53649	5.00	4.46	
104 Benzo[b]fluoranthene	252	13.369	13.381	-0.012	97	39348	5.00	4.76	
105 Benzo[k]fluoranthene	252	13.405	13.422	-0.017	98	41800	5.00	4.83	
106 Benzo[a]pyrene	252	13.828	13.840	-0.012	96	37350	5.00	4.79	
* 107 Perylene-d12	264	13.910	13.922	-0.012	96	284768	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.393	15.410	-0.017	97	31673	5.00	4.52	M
109 Dibenz(a,h)anthracene	278	15.422	15.440	-0.018	93	30963	5.00	4.61	
110 Benzo[g,h,i]perylene	276	15.775	15.793	-0.018	95	33663	5.00	4.50	
S 117 Total Cresols	1				0			9.59	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L3_00012

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132496.D

Injection Date: 11-Apr-2016 12:54:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD5

Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul

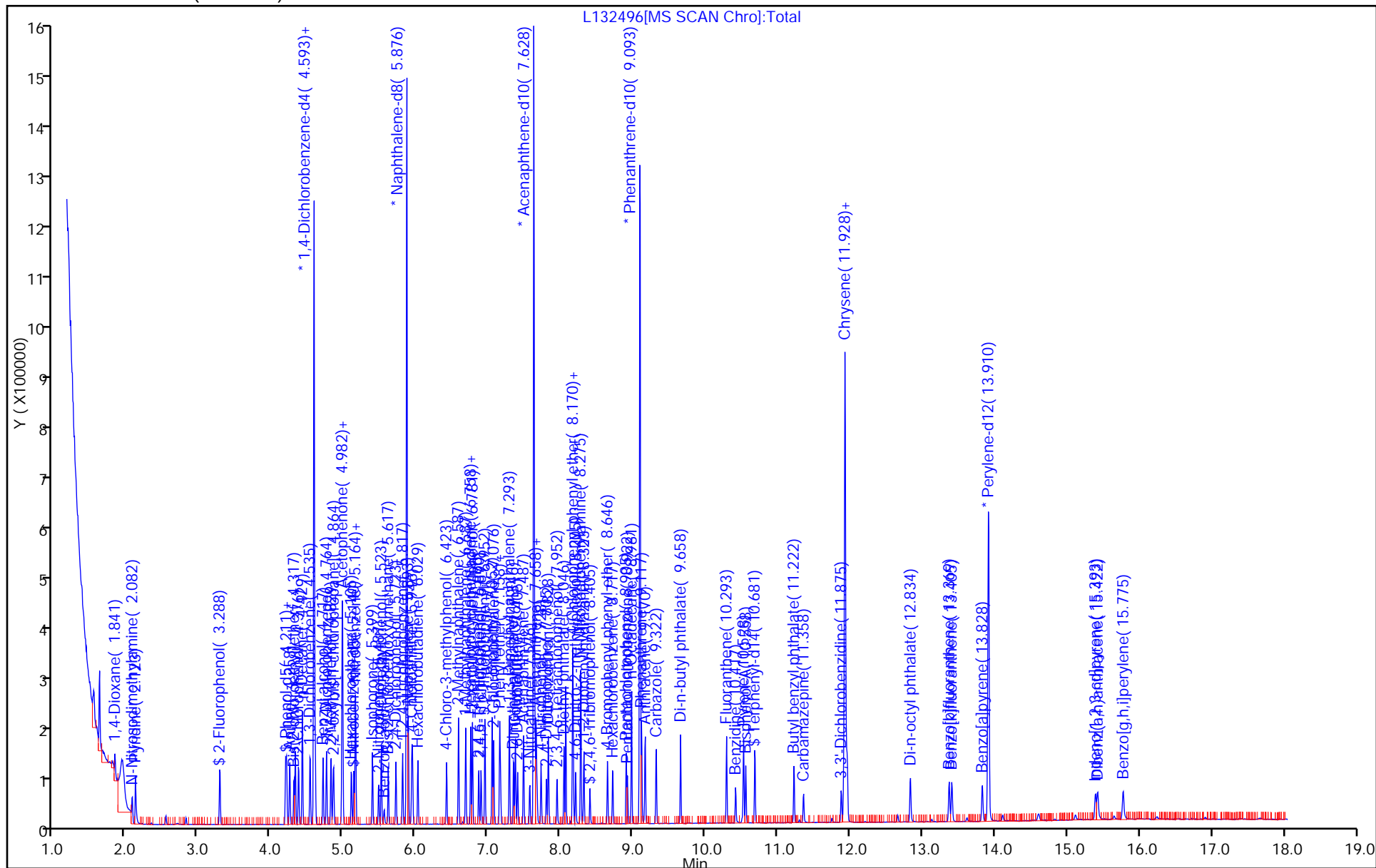
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

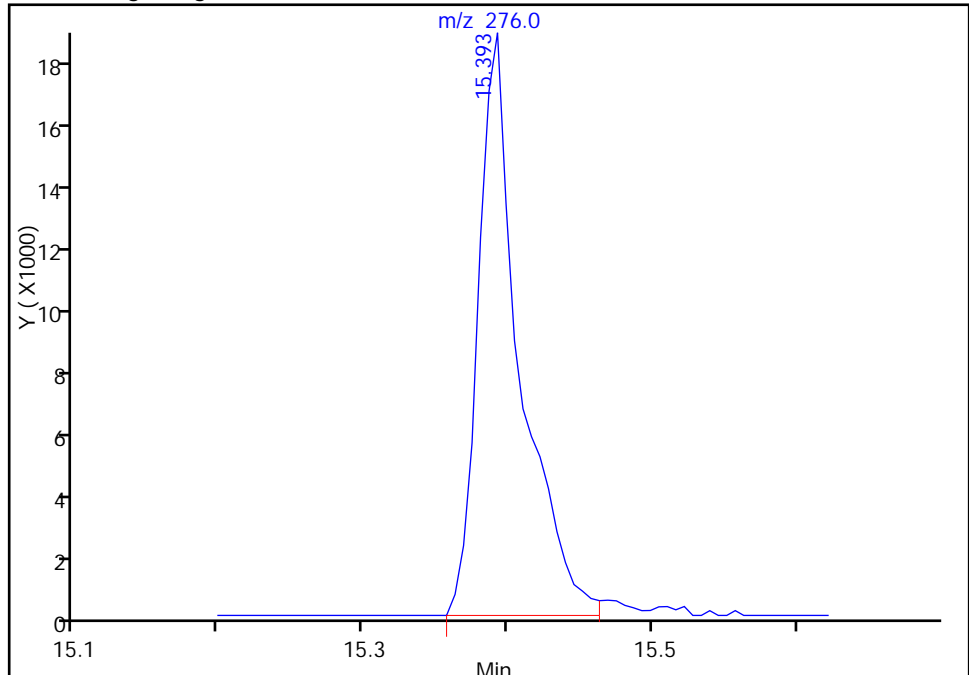
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Injection Date: 11-Apr-2016 12:54:30 Instrument ID: CBNAMS12
Lims ID: STD5
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9
Column: Rtxi-5Sil MS (0.25 mm)

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

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

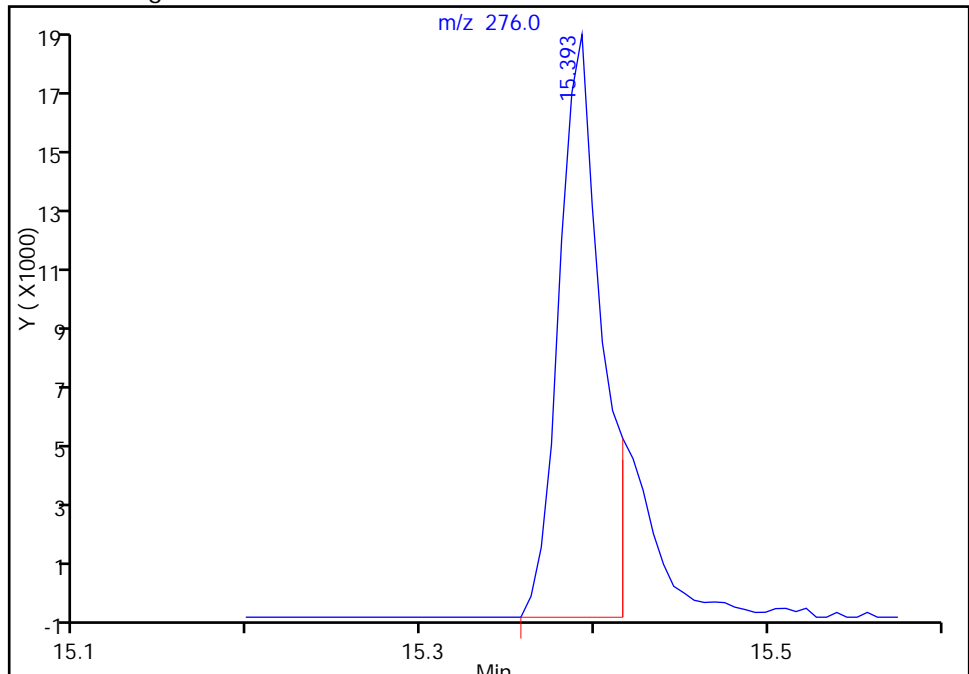
RT: 15.39
Area: 37390
Amount: 5.046105
Amount Units: ug/ml

Processing Integration Results



RT: 15.39
Area: 31673
Amount: 4.515075
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 11-Apr-2016 15:04:25
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132497.D
 Lims ID: STD2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 11-Apr-2016 13:20:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-008
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:29:49 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:05:51

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	3.293	3.288	0.005	92	13277	2.00	2.05	
\$ 6 Phenol-d5	99	4.199	4.211	-0.012	84	16574	2.00	2.10	
9 Bis(2-chloroethyl)ether	93	4.317	4.323	-0.006	93	12128	2.00	1.93	
* 13 1,4-Dichlorobenzene-d4	152	4.593	4.593	0.000	97	190881	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.987	4.999	-0.012	86	8404	2.00	1.92	
25 Hexachloroethane	117	5.105	5.111	-0.006	92	5912	2.00	2.03	
\$ 26 Nitrobenzene-d5	82	5.140	5.146	-0.006	90	13790	2.00	2.11	
27 Nitrobenzene	77	5.164	5.170	-0.006	90	17011	2.00	2.03	
28 n,n'-Dimethylaniline	120	5.170	5.176	-0.006	94	18350	2.00	1.98	
29 Isophorone	82	5.399	5.411	-0.012	98	19231	2.00	1.86	
34 2,4-Dichlorophenol	162	5.723	5.729	-0.006	95	8940	2.00	1.89	
35 1,2,4-Trichlorobenzene	180	5.817	5.823	-0.006	95	10158	2.00	1.98	
* 36 Naphthalene-d8	136	5.876	5.876	0.000	99	681381	40.0	40.0	
39 Hexachlorobutadiene	225	6.029	6.029	0.000	93	5721	2.00	1.98	
48 2,4,6-Trichlorophenol	196	6.870	6.876	-0.006	86	4827	2.00	2.04	
\$ 50 2-Fluorobiphenyl	172	6.952	6.958	-0.006	98	24930	2.00	2.19	
60 2,6-Dinitrotoluene	165	7.405	7.417	-0.012	93	4248	2.00	1.89	
* 63 Acenaphthene-d10	164	7.628	7.634	-0.006	93	319437	40.0	40.0	
66 2,4-Dinitrophenol	184	7.676	7.687	-0.011	27	2607	4.00	5.56	
68 2,4-Dinitrotoluene	165	7.805	7.817	-0.012	92	5119	2.00	1.86	
76 4,6-Dinitro-2-methylphenol	198	8.205	8.223	-0.018	79	3990	4.00	4.13	
77 N-Nitrosodiphenylamine	169	8.276	8.287	-0.011	67	28246	4.00	3.90	
\$ 79 2,4,6-Tribromophenol	330	8.405	8.411	-0.006	91	2241	2.00	2.13	
81 Hexachlorobenzene	284	8.723	8.728	-0.005	98	5212	2.00	1.97	
83 Pentachlorophenol	266	8.905	8.917	-0.012	91	4911	4.00	3.06	
* 85 Phenanthrene-d10	188	9.099	9.099	0.000	99	476126	40.0	40.0	
\$ 94 Terphenyl-d14	244	10.681	10.693	-0.012	98	18573	2.00	2.11	
98 3,3'-Dichlorobenzidine	252	11.881	11.887	-0.006	98	5566	2.00	1.58	
99 Benzo[a]anthracene	228	11.916	11.922	-0.006	99	20988	2.00	1.96	
* 100 Chrysene-d12	240	11.928	11.940	-0.012	98	351448	40.0	40.0	
104 Benzo[b]fluoranthene	252	13.369	13.381	-0.012	98	15518	2.00	1.91	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
105 Benzo[k]fluoranthene	252	13.405	13.422	-0.017	98	17046	2.00	2.01	
106 Benzo[a]pyrene	252	13.828	13.840	-0.012	94	13855	2.00	1.81	
* 107 Perylene-d12	264	13.910	13.922	-0.012	95	279767	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.387	15.410	-0.023	96	11952	2.00	1.73	M
109 Dibenz(a,h)anthracene	278	15.422	15.440	-0.018	94	11536	2.00	1.75	

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\\CBNAMS12\\20160411-39690.b\\L132497.D

Injection Date: 11-Apr-2016 13:20:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD2

Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul

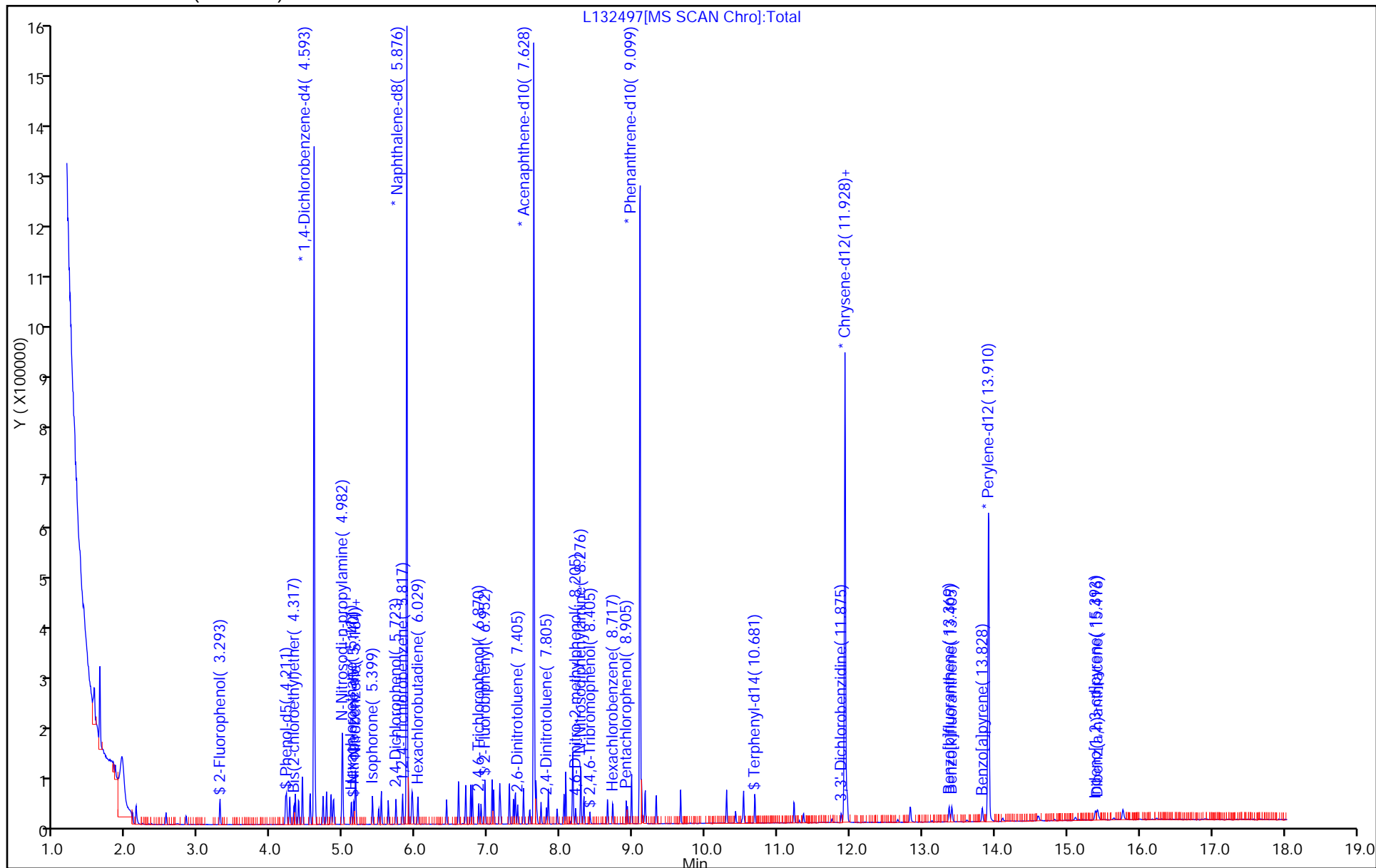
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

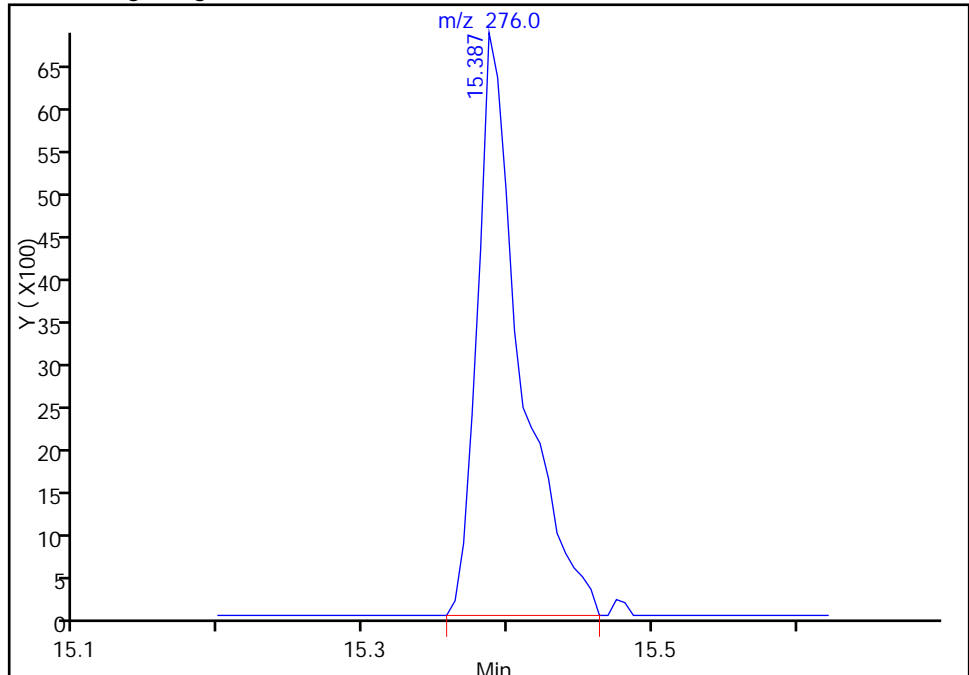
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Injection Date: 11-Apr-2016 13:20:30 Instrument ID: CBNAMS12
Lims ID: STD2
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9
Column: Rtxi-5Sil MS (0.25 mm)

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

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

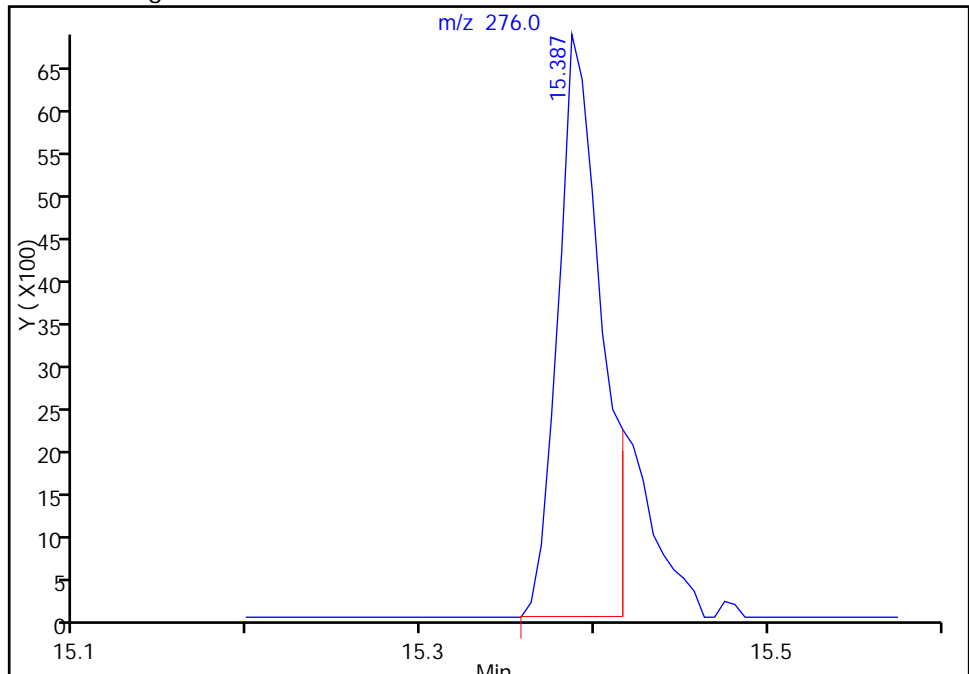
RT: 15.39
Area: 14345
Amount: 2.004966
Amount Units: ug/ml

Processing Integration Results



RT: 15.39
Area: 11952
Amount: 1.734248
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 11-Apr-2016 15:05:51
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132498.D
 Lims ID: STD1
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 11-Apr-2016 13:46:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-009
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:29:54 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:07:02

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	3.294	3.288	0.006	95	5286	1.00	0.9128	
\$ 6 Phenol-d5	99	4.199	4.211	-0.012	85	6026	1.00	0.8576	
9 Bis(2-chloroethyl)ether	93	4.317	4.323	-0.006	93	5829	1.00	1.04	
* 13 1,4-Dichlorobenzene-d4	152	4.594	4.593	0.001	97	170294	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.988	4.999	-0.011	84	4076	1.00	1.04	
25 Hexachloroethane	117	5.111	5.111	0.000	93	2644	1.00	1.02	
\$ 26 Nitrobenzene-d5	82	5.146	5.146	0.000	88	5500	1.00	0.9092	
27 Nitrobenzene	77	5.164	5.170	-0.006	91	7529	1.00	0.9713	
28 n,n'-Dimethylaniline	120	5.170	5.176	-0.006	93	8078	1.00	0.9766	
35 1,2,4-Trichlorobenzene	180	5.817	5.823	-0.006	94	4763	1.00	1.00	
* 36 Naphthalene-d8	136	5.876	5.876	0.000	99	631319	40.0	40.0	
39 Hexachlorobutadiene	225	6.029	6.029	0.000	92	2793	1.00	1.04	
\$ 50 2-Fluorobiphenyl	172	6.952	6.958	-0.006	98	10413	1.00	0.9217	
60 2,6-Dinitrotoluene	165	7.405	7.417	-0.012	93	2162	1.00	0.9691	
* 63 Acenaphthene-d10	164	7.629	7.634	-0.005	93	316452	40.0	40.0	
68 2,4-Dinitrotoluene	165	7.805	7.817	-0.012	50	2478	1.00	0.9066	
\$ 79 2,4,6-Tribromophenol	330	8.405	8.411	-0.006	88	681	1.00	0.9757	
81 Hexachlorobenzene	284	8.717	8.728	-0.011	97	2655	1.00	1.02	
* 85 Phenanthrene-d10	188	9.099	9.099	0.000	99	468348	40.0	40.0	
\$ 94 Terphenyl-d14	244	10.681	10.693	-0.012	98	7622	1.00	0.8929	
99 Benzo[a]anthracene	228	11.917	11.922	-0.005	98	10943	1.00	1.05	
* 100 Chrysene-d12	240	11.928	11.940	-0.012	98	341607	40.0	40.0	
104 Benzo[b]fluoranthene	252	13.369	13.381	-0.012	96	7612	1.00	0.9226	
105 Benzo[k]fluoranthene	252	13.405	13.422	-0.017	96	8100	1.00	0.9391	
106 Benzo[a]pyrene	252	13.828	13.840	-0.012	92	6960	1.00	0.8952	
* 107 Perylene-d12	264	13.911	13.922	-0.011	96	283980	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.393	15.410	-0.017	97	6176	1.00	0.8828	M
109 Dibenz(a,h)anthracene	278	15.422	15.440	-0.018	93	5730	1.00	0.8552	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L2_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132498.D

Injection Date: 11-Apr-2016 13:46:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD1

Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul

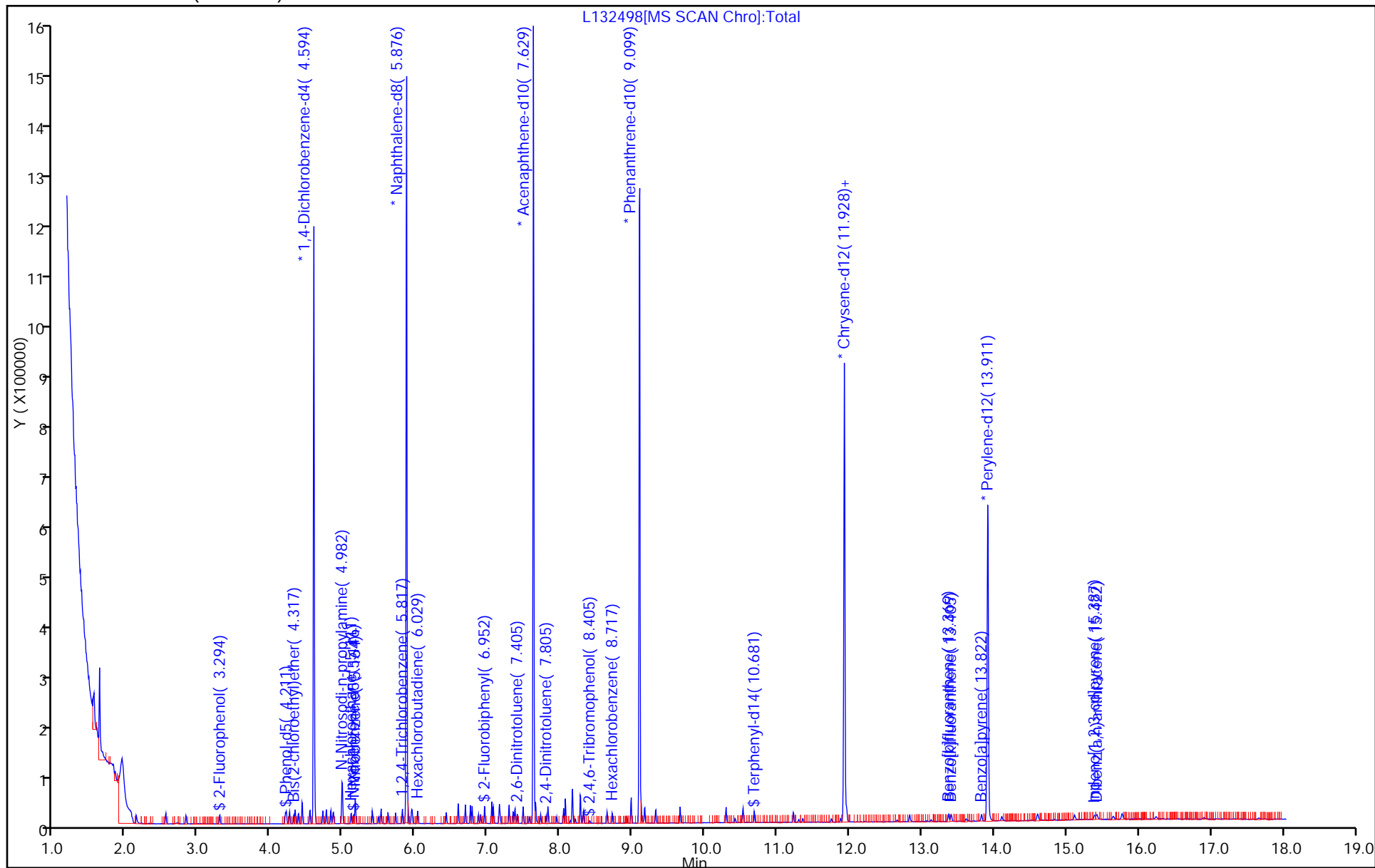
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

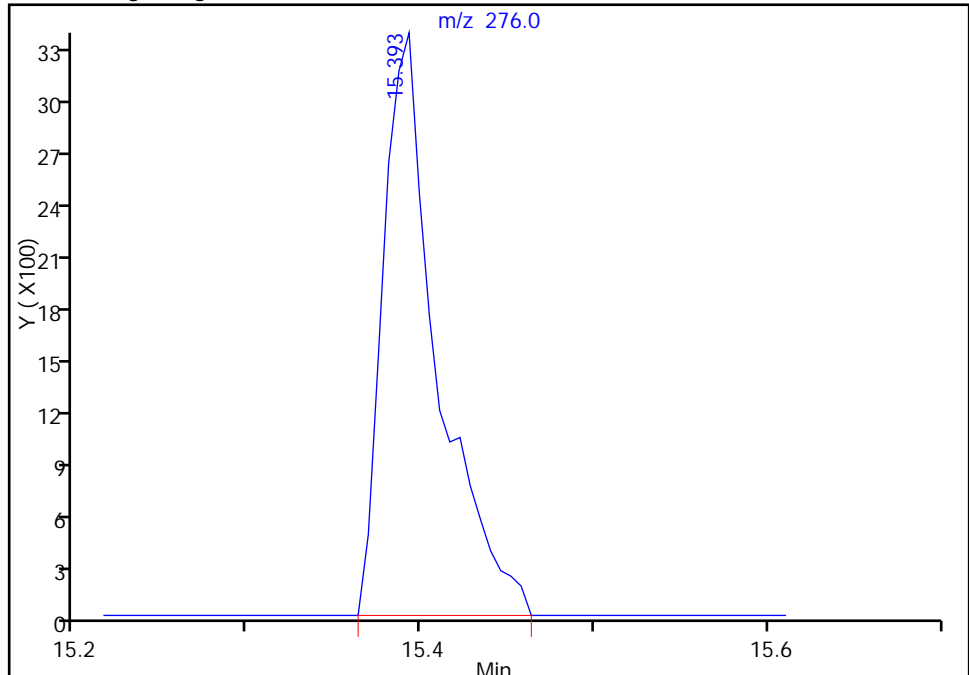
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Injection Date: 11-Apr-2016 13:46:30 Instrument ID: CBNAMS12
Lims ID: STD1
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 9 Worklist Smp#: 9
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

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

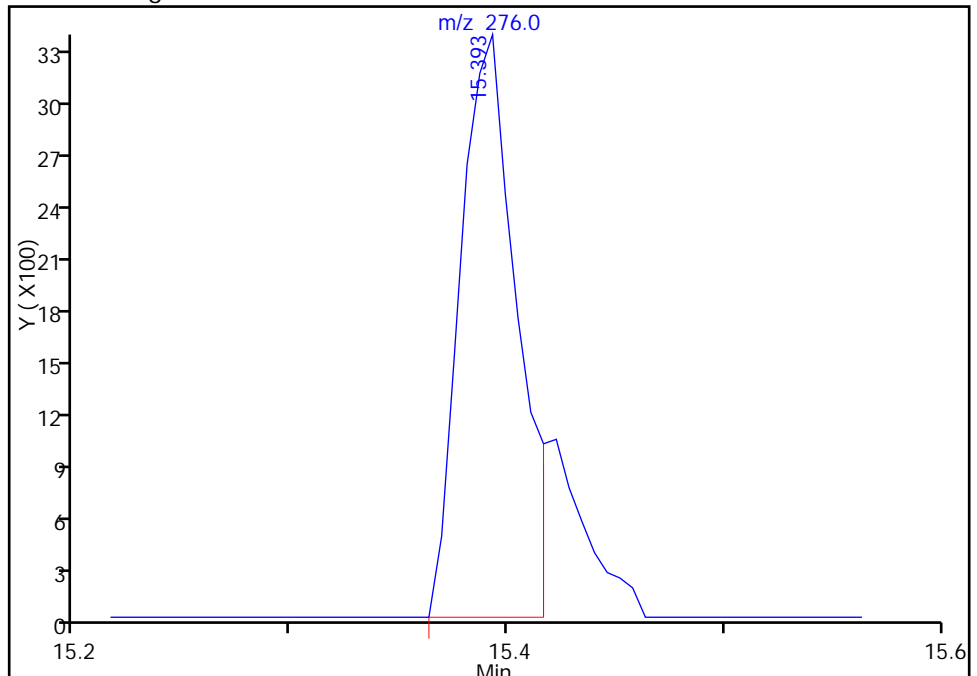
RT: 15.39
Area: 7364
Amount: 1.033177
Amount Units: ug/ml

Processing Integration Results



RT: 15.39
Area: 6176
Amount: 0.882849
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 11-Apr-2016 15:07:02
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132499.D
 Lims ID: STD05
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 11-Apr-2016 14:12:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-010
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:29:58 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:08:59

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	4.317	4.323	-0.006	95	2966	0.5000	0.5488	
* 13 1,4-Dichlorobenzene-d4	152	4.594	4.593	0.001	97	164590	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.988	4.999	-0.011	59	1958	0.5000	0.5182	
25 Hexachloroethane	117	5.111	5.111	0.000	92	1211	0.5000	0.4824	
\$ 26 Nitrobenzene-d5	82	5.141	5.146	-0.005	86	2775	0.5000	0.4754	
27 Nitrobenzene	77	5.164	5.170	-0.006	90	3618	0.5000	0.4837	
28 n,n'-Dimethylaniline	120	5.170	5.176	-0.006	92	3884	0.5000	0.4858	
35 1,2,4-Trichlorobenzene	180	5.817	5.823	-0.006	92	2337	0.5000	0.5084	
* 36 Naphthalene-d8	136	5.876	5.876	0.000	99	609177	40.0	40.0	
\$ 50 2-Fluorobiphenyl	172	6.952	6.958	-0.006	98	4678	0.5000	0.4336	
* 63 Acenaphthene-d10	164	7.629	7.634	-0.005	93	302223	40.0	40.0	
81 Hexachlorobenzene	284	8.723	8.728	-0.005	92	1279	0.5000	0.4912	
* 85 Phenanthrene-d10	188	9.099	9.099	0.000	99	468728	40.0	40.0	
\$ 94 Terphenyl-d14	244	10.687	10.693	-0.006	97	4100	0.5000	0.4542	
99 Benzo[a]anthracene	228	11.917	11.922	-0.005	97	6130	0.5000	0.5580	
* 100 Chrysene-d12	240	11.928	11.940	-0.012	99	361244	40.0	40.0	
104 Benzo[b]fluoranthene	252	13.370	13.381	-0.011	98	3740	0.5000	0.4478	
105 Benzo[k]fluoranthene	252	13.405	13.422	-0.017	96	3956	0.5000	0.4531	
106 Benzo[a]pyrene	252	13.828	13.840	-0.012	95	3566	0.5000	0.4531	
* 107 Perylene-d12	264	13.917	13.922	-0.005	96	287457	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.387	15.410	-0.023	94	2890	0.5000	0.4081	
109 Dibenz(a,h)anthracene	278	15.416	15.440	-0.024	92	2699	0.5000	0.3980	

Reagents:

SV_IC_BNA_L1_00011

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132499.D

Injection Date: 11-Apr-2016 14:12:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD05

Worklist Smp#: 10

Client ID:

Injection Vol: 1.0 ul

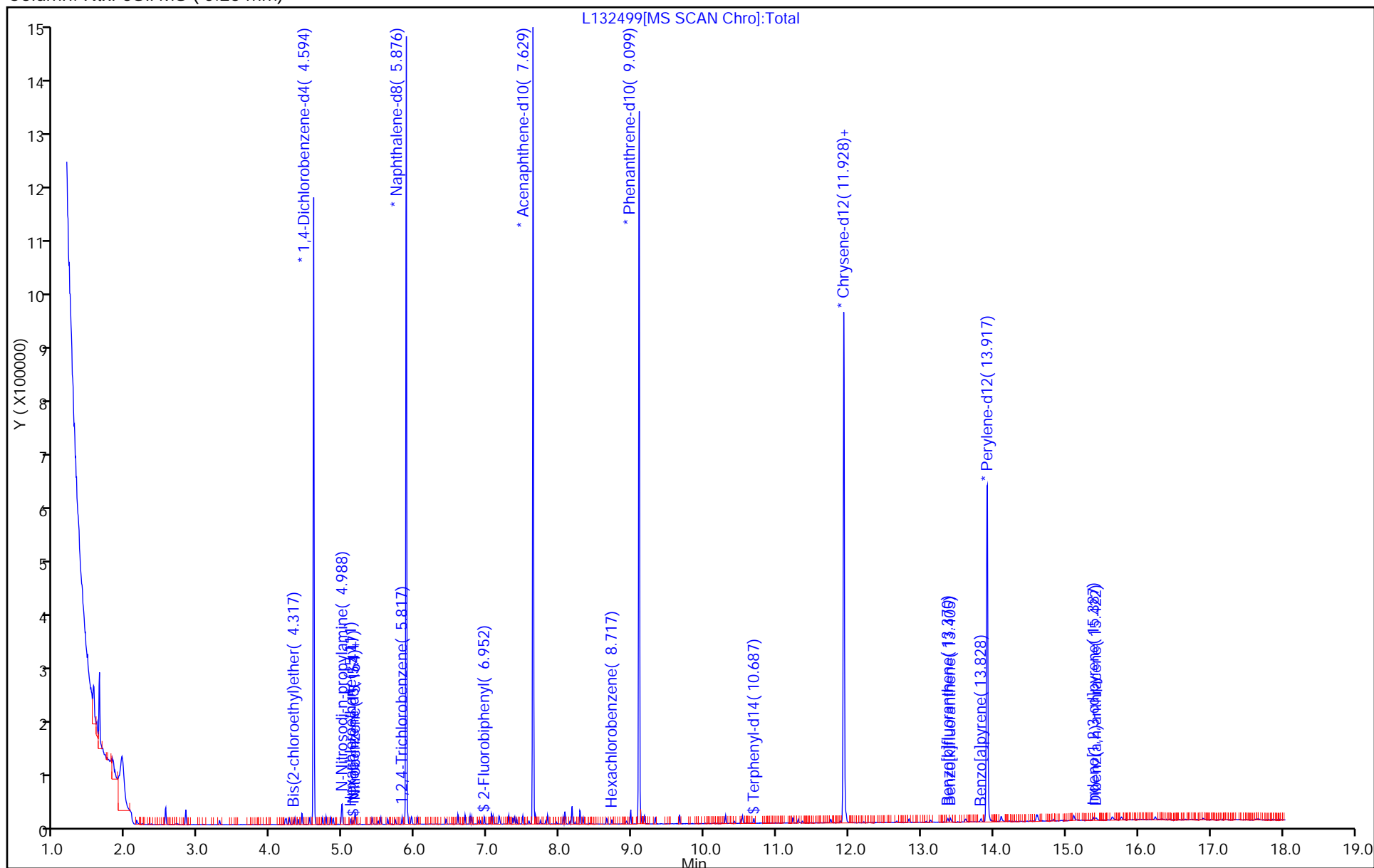
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8270_12R_9

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.: 460-111954-1 Analy Batch No.: 361776

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2016 14:39 Calibration End Date: 04/11/2016 17:16 Calibration ID: 55277

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 460-361776/17	L132506.D
Level 2	STD5 460-361776/16	L132505.D
Level 3	STD010 460-361776/15	L132504.D
Level 4	STD020 460-361776/14	L132503.D
Level 5	STD50 460-361776/11	L132500.D
Level 6	STD080 460-361776/13	L132502.D
Level 7	STD120 460-361776/12	L132501.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	1.1337 1.1205	1.0794 1.1230	1.0672	1.1814	1.1646	Ave		1.1243			0.0100	3.7		20.0			
Caprolactam	0.0571 0.0848	0.0687 0.0875	0.0755	0.0804	0.0860	Ave		0.0771			0.0100	14.3		20.0			
Atrazine	0.1766 0.1989	0.1933 0.1971	0.1905	0.2094	0.2126	Ave		0.1969			0.0100	6.1		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.: 460-111954-1 Analy Batch No.: 361776

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2016 14:39 Calibration End Date: 04/11/2016 17:16 Calibration ID: 55277

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 460-361776/17	L132506.D
Level 2	STD5 460-361776/16	L132505.D
Level 3	STD010 460-361776/15	L132504.D
Level 4	STD020 460-361776/14	L132503.D
Level 5	STD50 460-361776/11	L132500.D
Level 6	STD080 460-361776/13	L132502.D
Level 7	STD120 460-361776/12	L132501.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 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzaldehyde	DCB	Ave	10279 385434	21023 553942	39645	106477	257854	2.00 80.0	5.00 120	10.0	20.0	50.0
Caprolactam	NPT	Ave	1922 108135	4885 159376	10325	26905	69838	2.00 80.0	5.00 120	10.0	20.0	50.0
Atrazine	PHN	Ave	4624 192547	10550 269260	19519	52749	131228	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\CBNAMS12\20160411-39690.b\L132500.D
 Lims ID: STD50
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 11-Apr-2016 14:39:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-011
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:30:05 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:46:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.153	4.153	0.000	93	257854	50.0	51.8	
* 13 1,4-Dichlorobenzene-d4	152	4.594	4.594	0.000	97	177123	40.0	40.0	
* 36 Naphthalene-d8	136	5.876	5.876	0.000	99	649612	40.0	40.0	
40 Caprolactam	113	6.270	6.270	0.000	88	69838	50.0	55.8	
* 63 Acenaphthene-d10	164	7.629	7.629	0.000	93	324903	40.0	40.0	
82 Atrazine	200	8.805	8.805	0.000	88	131228	50.0	54.0	
* 85 Phenanthrene-d10	188	9.099	9.099	0.000	99	493890	40.0	40.0	
* 100 Chrysene-d12	240	11.928	11.928	0.000	98	354609	40.0	40.0	
* 107 Perylene-d12	264	13.917	13.917	0.000	96	264444	40.0	40.0	

Reagents:

SV_IC-S_L6_00017

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132500.D

Injection Date: 11-Apr-2016 14:39:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD50

Worklist Smp#: 11

Client ID:

Injection Vol: 1.0 ul

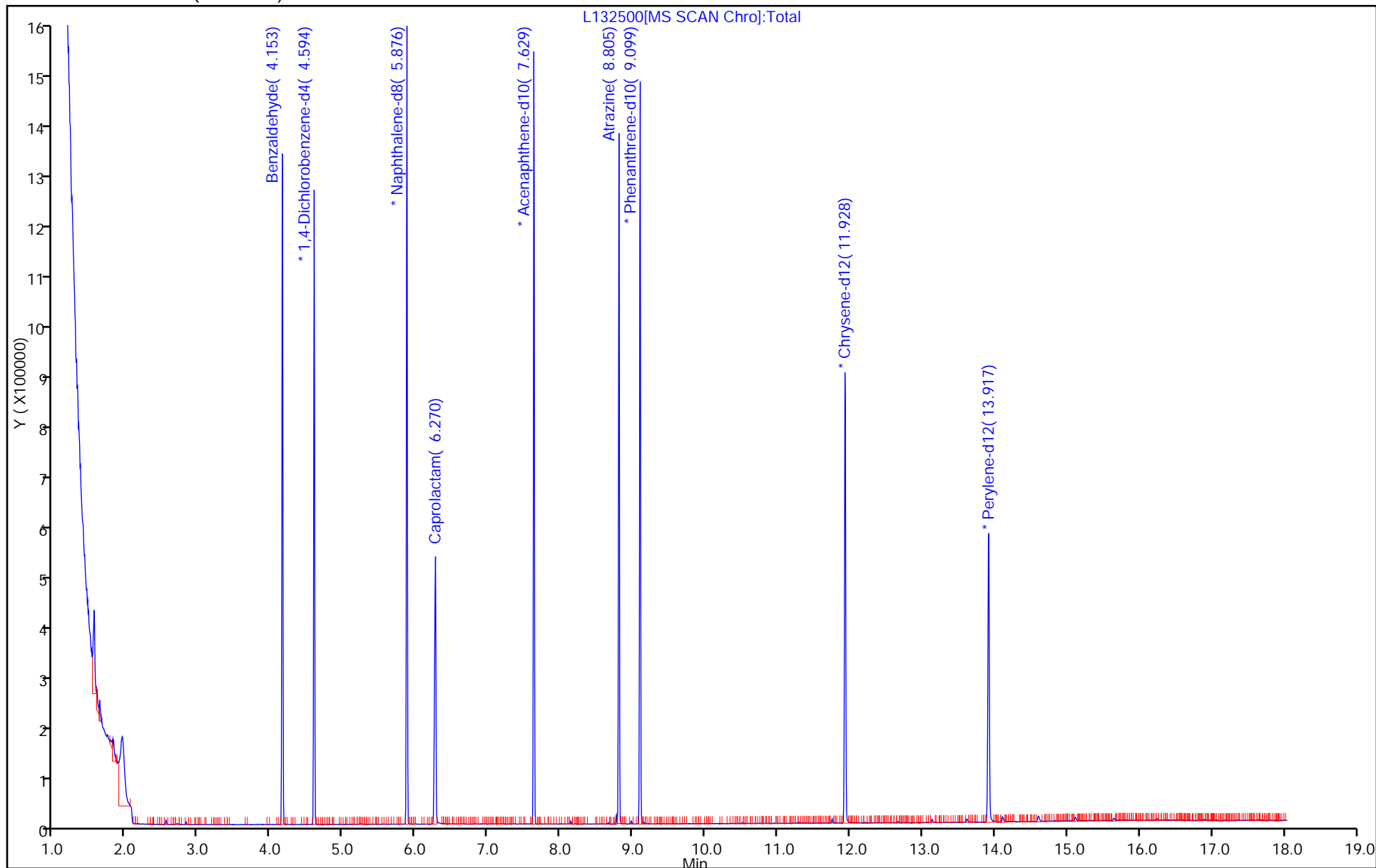
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132501.D
 Lims ID: STD120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 11-Apr-2016 15:05:30 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-012
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:30:12 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:47:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.158	4.153	0.006	94	553942	120.0	119.9	
* 13 1,4-Dichlorobenzene-d4	152	4.593	4.594	-0.001	97	164423	40.0	40.0	
* 36 Naphthalene-d8	136	5.876	5.876	0.000	99	607339	40.0	40.0	
40 Caprolactam	113	6.287	6.270	0.017	88	159376	120.0	136.1	
* 63 Acenaphthene-d10	164	7.634	7.629	0.005	93	309407	40.0	40.0	
82 Atrazine	200	8.811	8.805	0.006	88	269260	120.0	120.2	
* 85 Phenanthrene-d10	188	9.099	9.099	0.000	99	455257	40.0	40.0	
* 100 Chrysene-d12	240	11.934	11.928	0.006	99	317848	40.0	40.0	
* 107 Perylene-d12	264	13.910	13.917	-0.007	96	250044	40.0	40.0	

Reagents:

SV_IC-S_L8_00005

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132501.D

Injection Date: 11-Apr-2016 15:05:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD120

Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul

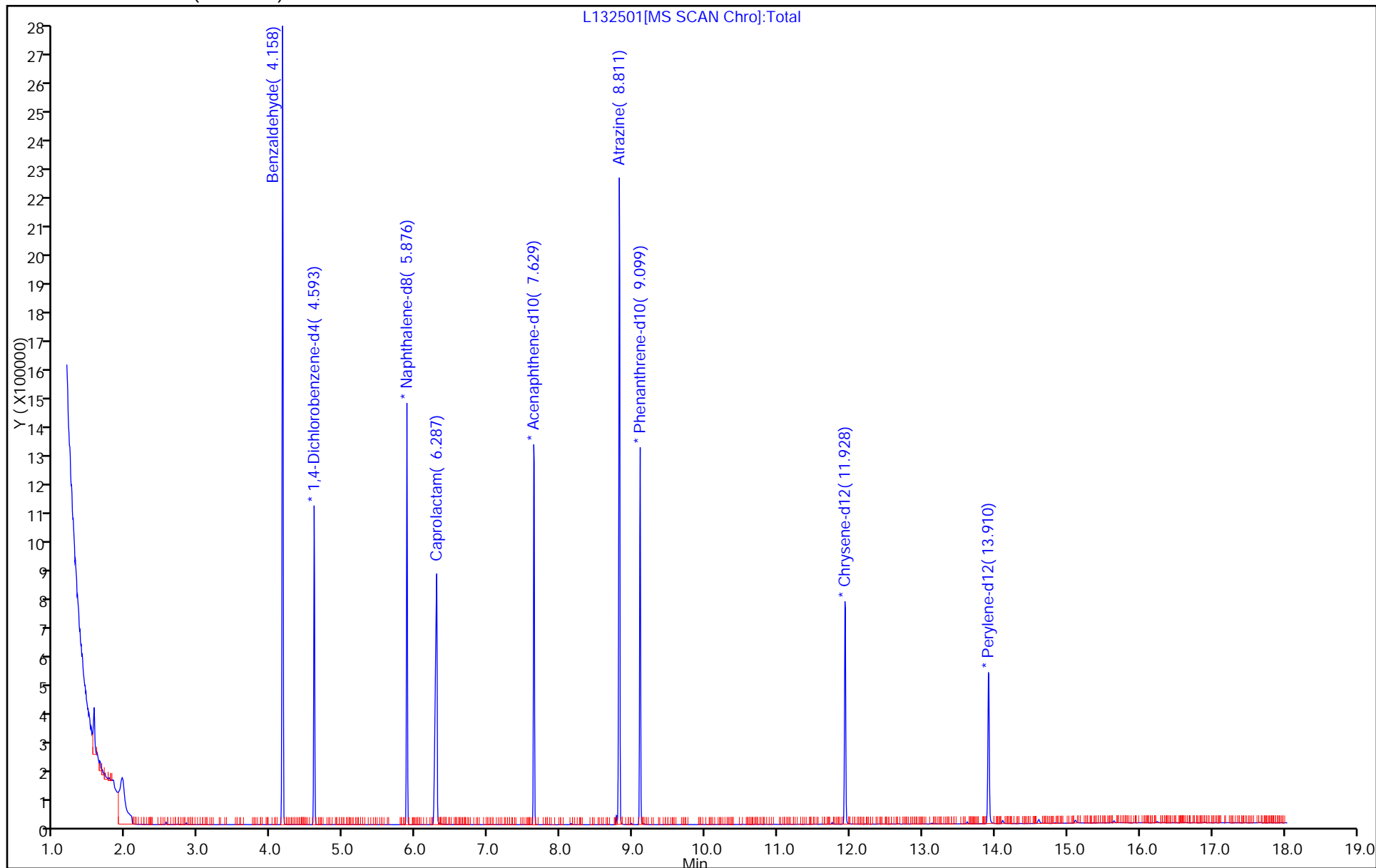
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132502.D
 Lims ID: STD080
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 11-Apr-2016 15:31:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-013
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:30:21 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 17:00:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.158	4.153	0.006	93	385434	80.0	79.7	
* 13 1,4-Dichlorobenzene-d4	152	4.593	4.594	-0.001	97	171988	40.0	40.0	
* 36 Naphthalene-d8	136	5.876	5.876	0.000	99	637870	40.0	40.0	
40 Caprolactam	113	6.282	6.270	0.012	88	108135	80.0	87.9	
* 63 Acenaphthene-d10	164	7.634	7.629	0.005	93	318071	40.0	40.0	
82 Atrazine	200	8.811	8.805	0.006	88	192547	80.0	80.8	
* 85 Phenanthrene-d10	188	9.099	9.099	0.000	99	484090	40.0	40.0	
* 100 Chrysene-d12	240	11.934	11.928	0.006	99	329302	40.0	40.0	
* 107 Perylene-d12	264	13.916	13.917	-0.001	97	243104	40.0	40.0	

Reagents:

SV_IC-S_L7_00005

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132502.D

Injection Date: 11-Apr-2016 15:31:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD080

Worklist Smp#: 13

Client ID:

Injection Vol: 1.0 ul

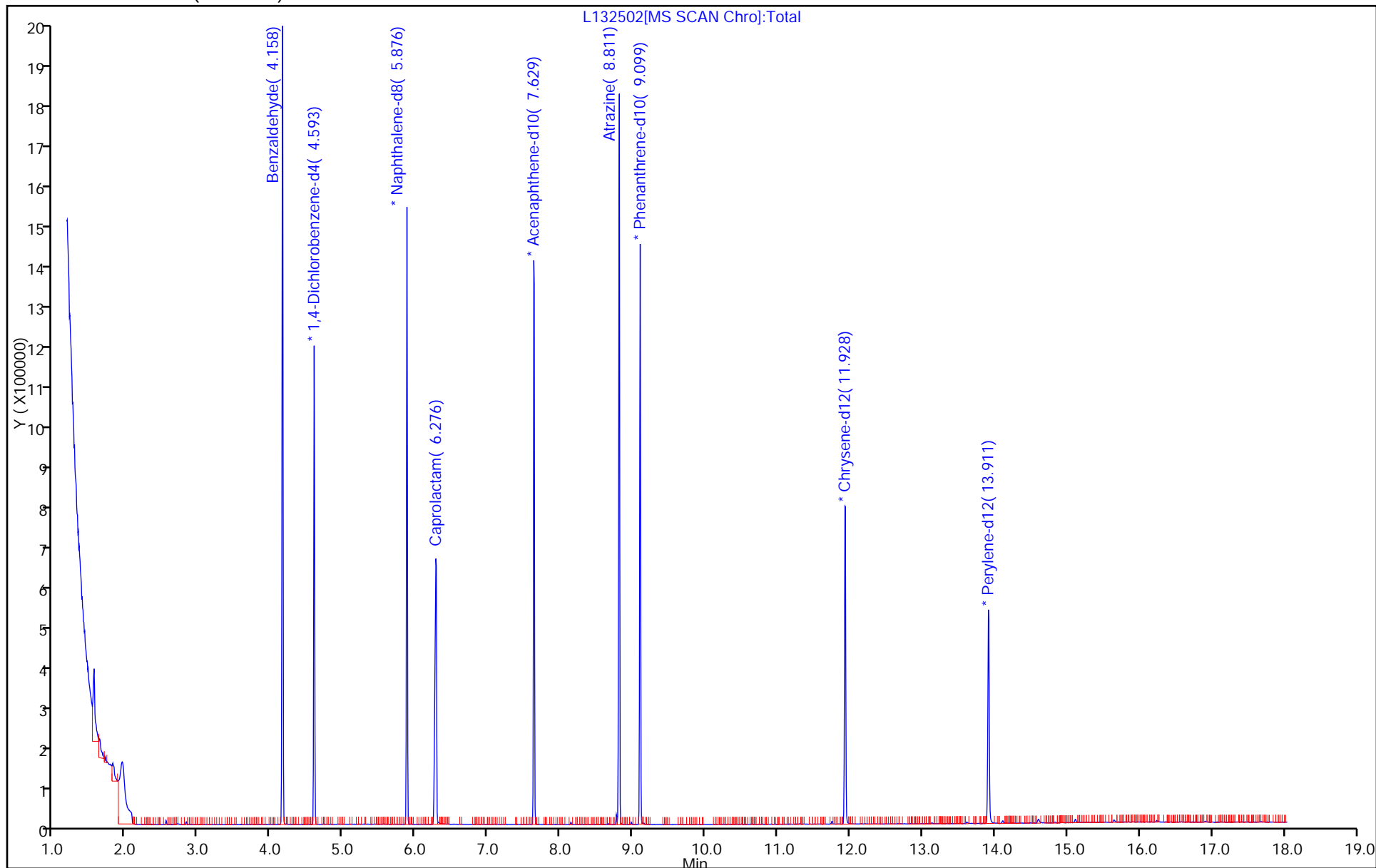
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132503.D
 Lims ID: STD020
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 11-Apr-2016 15:57:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-014
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:30:28 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 17:00:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.152	4.153	0.000	94	106477	20.0	21.0	
* 13 1,4-Dichlorobenzene-d4	152	4.593	4.594	-0.001	97	180252	40.0	40.0	
* 36 Naphthalene-d8	136	5.876	5.876	0.000	99	669683	40.0	40.0	
40 Caprolactam	113	6.258	6.270	-0.012	89	26905	20.0	20.8	
* 63 Acenaphthene-d10	164	7.634	7.629	0.005	93	337469	40.0	40.0	
82 Atrazine	200	8.805	8.805	0.000	89	52749	20.0	21.3	
* 85 Phenanthrene-d10	188	9.099	9.099	0.000	99	503925	40.0	40.0	
* 100 Chrysene-d12	240	11.934	11.928	0.006	98	368161	40.0	40.0	
* 107 Perylene-d12	264	13.916	13.917	-0.001	96	281829	40.0	40.0	

Reagents:

SV_IC-S_L5_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132503.D

Injection Date: 11-Apr-2016 15:57:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD020

Worklist Smp#: 14

Client ID:

Injection Vol: 1.0 ul

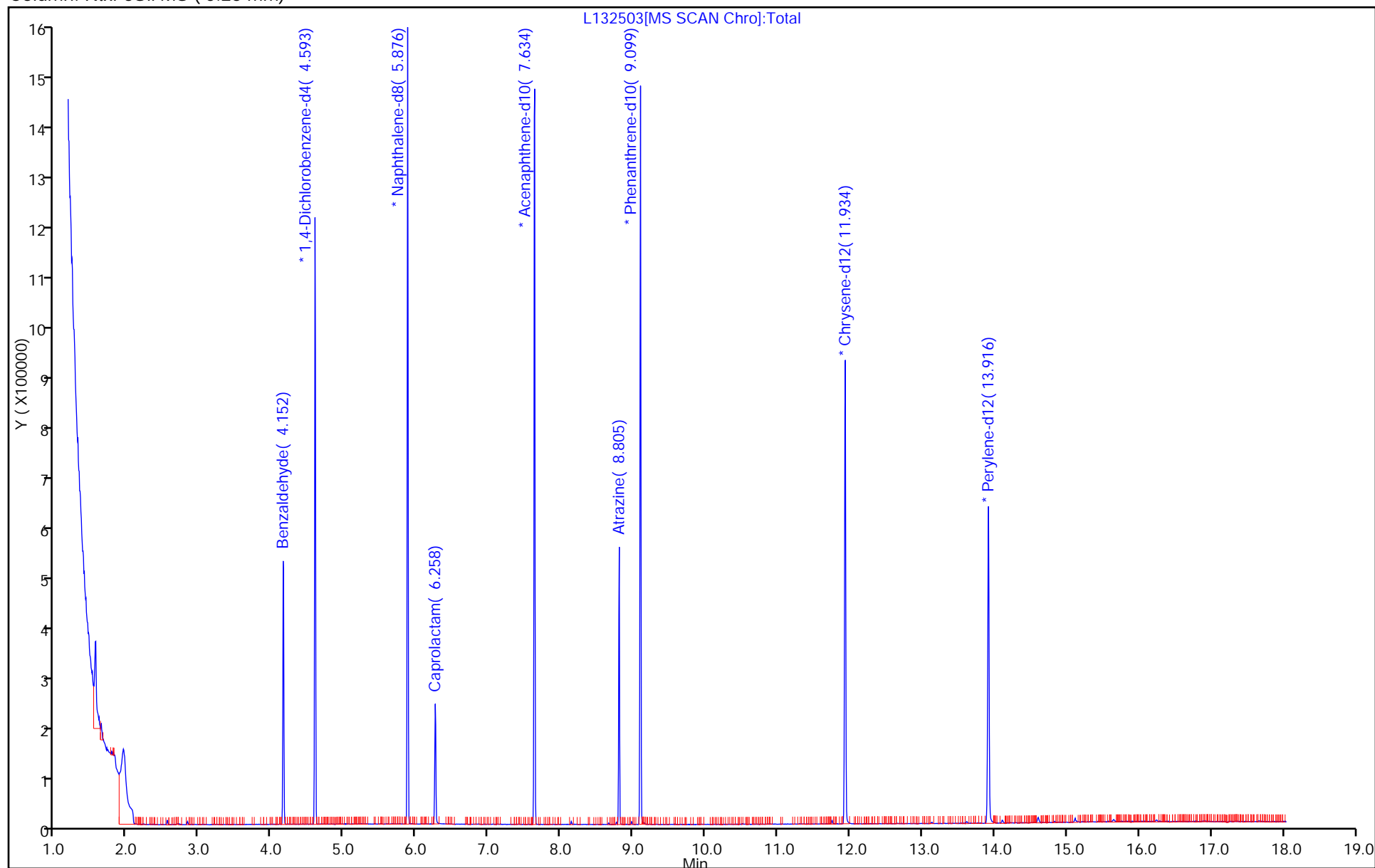
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132504.D
 Lims ID: STD010
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 11-Apr-2016 16:24:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-015
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:30:35 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 17:02:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.152	4.153	0.000	92	39645	10.0	9.49	
* 13 1,4-Dichlorobenzene-d4	152	4.593	4.594	-0.001	97	148599	40.0	40.0	
* 36 Naphthalene-d8	136	5.876	5.876	0.000	99	547357	40.0	40.0	
40 Caprolactam	113	6.252	6.270	-0.018	89	10325	10.0	9.78	
* 63 Acenaphthene-d10	164	7.629	7.629	0.000	93	272092	40.0	40.0	
82 Atrazine	200	8.799	8.805	-0.006	88	19519	10.0	9.67	
* 85 Phenanthrene-d10	188	9.099	9.099	0.000	99	409951	40.0	40.0	
* 100 Chrysene-d12	240	11.934	11.928	0.006	99	295818	40.0	40.0	
* 107 Perylene-d12	264	13.916	13.917	-0.001	96	230128	40.0	40.0	

Reagents:

SV_IC-S_L4_00020

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132504.D

Injection Date: 11-Apr-2016 16:24:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD010

Worklist Smp#: 15

Client ID:

Injection Vol: 1.0 ul

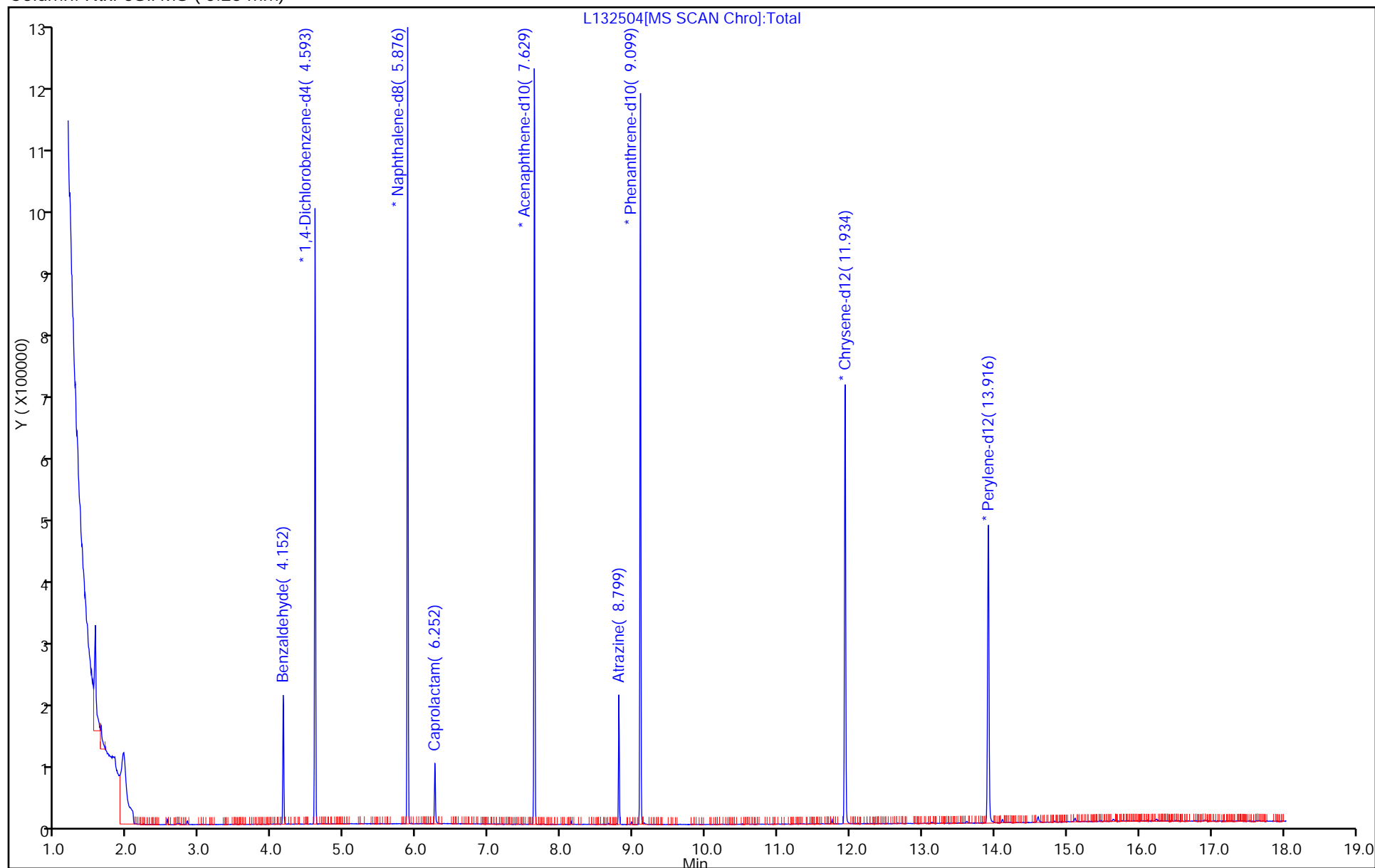
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132505.D
 Lims ID: STD5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 11-Apr-2016 16:50:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-016
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:30:43 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 17:40:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.158	4.153	0.006	92	21023	5.00	4.80	
* 13 1,4-Dichlorobenzene-d4	152	4.594	4.594	0.000	97	155810	40.0	40.0	
* 36 Naphthalene-d8	136	5.876	5.876	0.000	99	568867	40.0	40.0	
40 Caprolactam	113	6.252	6.270	-0.018	88	4885	5.00	4.45	
* 63 Acenaphthene-d10	164	7.634	7.629	0.005	93	282841	40.0	40.0	
82 Atrazine	200	8.799	8.805	-0.006	89	10550	5.00	4.91	
* 85 Phenanthrene-d10	188	9.099	9.099	0.000	99	436721	40.0	40.0	
* 100 Chrysene-d12	240	11.934	11.928	0.006	98	332080	40.0	40.0	
* 107 Perylene-d12	264	13.916	13.917	-0.001	96	255792	40.0	40.0	

Reagents:

SV_IC-S_L3_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132505.D

Injection Date: 11-Apr-2016 16:50:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD5

Worklist Smp#: 16

Client ID:

Injection Vol: 1.0 ul

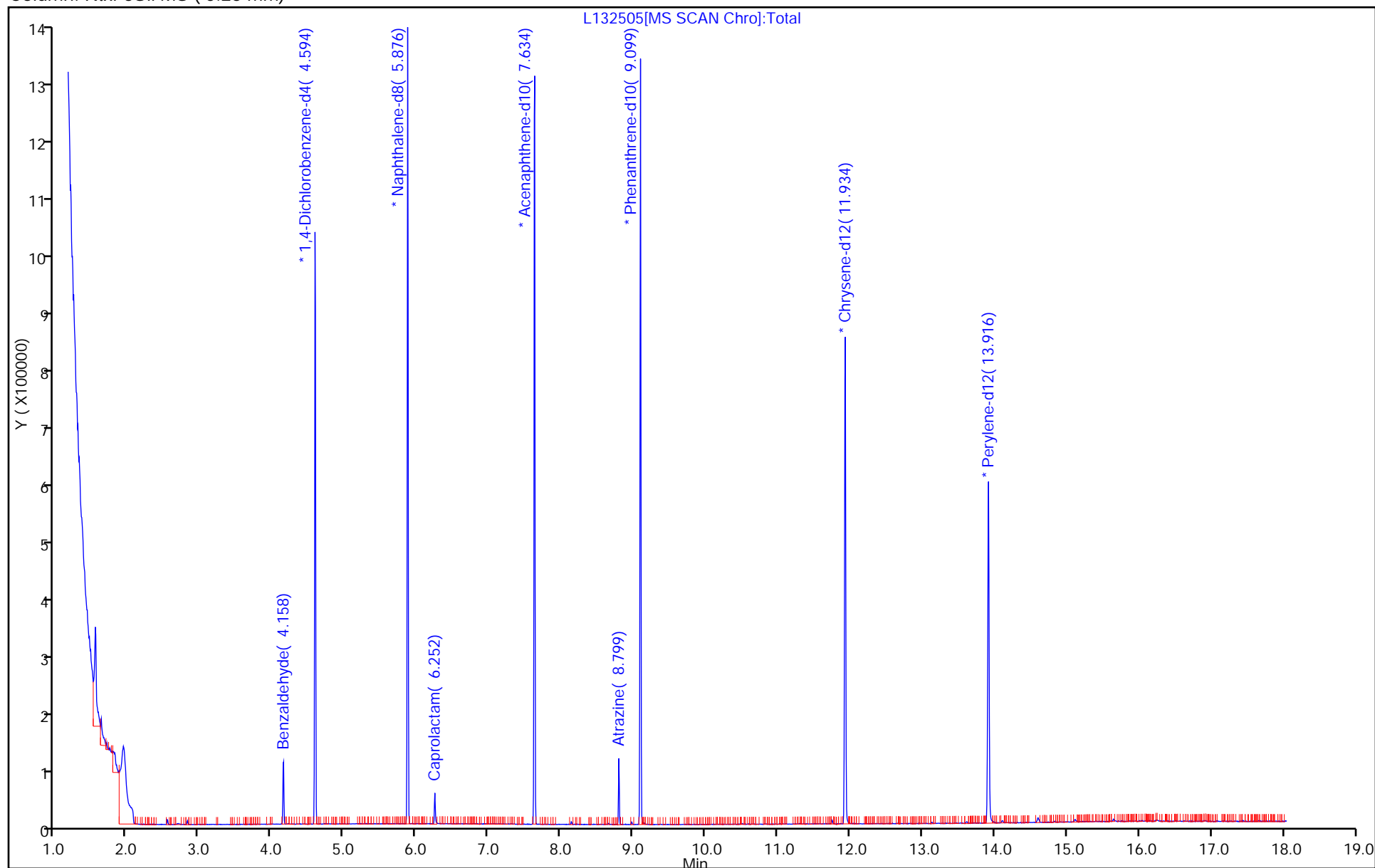
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Lims ID: STD2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 11-Apr-2016 17:16:30 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-017
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:30:49 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 17:42:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.158	4.153	0.006	94	10279	2.00	2.02	
* 13 1,4-Dichlorobenzene-d4	152	4.599	4.594	0.005	97	181331	40.0	40.0	
* 36 Naphthalene-d8	136	5.876	5.876	0.000	99	672961	40.0	40.0	
40 Caprolactam	113	6.252	6.270	-0.018	87	1922	2.00	1.48	
* 63 Acenaphthene-d10	164	7.634	7.629	0.005	93	338284	40.0	40.0	
82 Atrazine	200	8.799	8.805	-0.006	88	4624	2.00	1.79	
* 85 Phenanthrene-d10	188	9.099	9.099	0.000	99	523686	40.0	40.0	
* 100 Chrysene-d12	240	11.934	11.928	0.006	98	381574	40.0	40.0	
* 107 Perylene-d12	264	13.916	13.917	-0.001	96	283632	40.0	40.0	

Reagents:

SV_IC-S_L2_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132506.D

Injection Date: 11-Apr-2016 17:16:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: STD2

Worklist Smp#: 17

Client ID:

Injection Vol: 1.0 ul

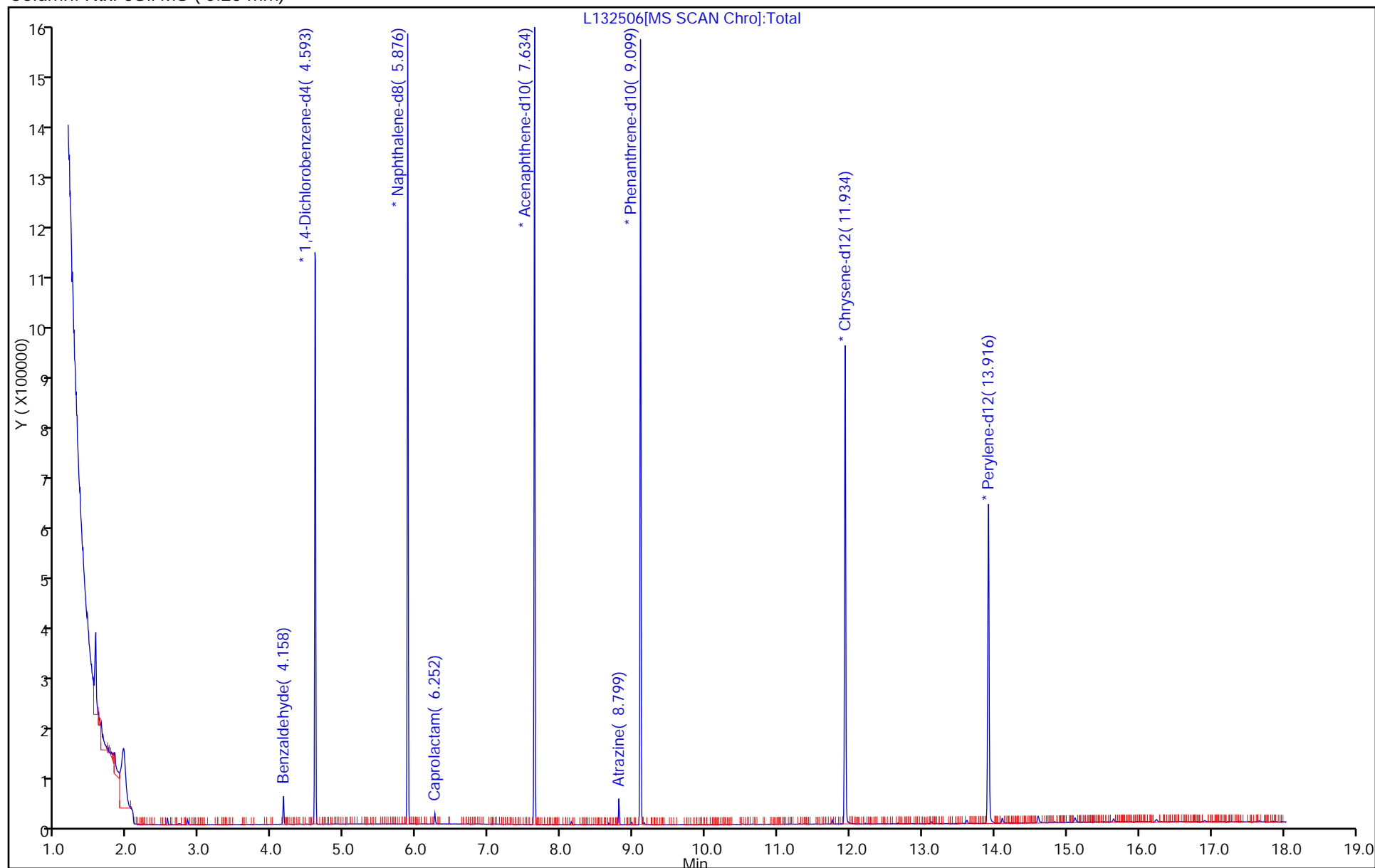
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: 8270_12R_9

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.: 460-111954-1 Analy Batch No.: 361914

SDG No.: _____

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

Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-361914/10	x12700.D
Level 2	STD1 460-361914/9	x12699.D
Level 3	STD2 460-361914/8	x12698.D
Level 4	STD5 460-361914/7	x12697.D
Level 5	STD10 460-361914/6	x12696.D
Level 6	STD20 460-361914/5	x12695.D
Level 7	ICIS 460-361914/2	x12692.D
Level 8	STD80 460-361914/4	x12694.D
Level 9	STD120 460-361914/3	x12693.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	0.5225	0.4889	0.4776	0.5251 0.4974	0.5469	Ave		0.5097				5.1		20.0			
N-Nitrosodimethylamine	0.7313	0.6666	0.6629	0.7413 0.6782	0.7629	Ave		0.7072				6.1		20.0			
Pyridine	1.2565	1.1191	1.1314	1.2796 1.1902	1.3269	Ave		1.2173				6.9		20.0			
Phenol	1.6650	1.4214	1.3711	1.7784 1.3928	1.7941	Ave		1.5705			0.8000	12.6		20.0			
Aniline	1.9858	1.8105	1.7419	2.0788 1.6992	2.1129	Ave		1.9048				9.3		20.0			
Bis(2-chloroethyl)ether	1.4750 1.1964	1.5155 1.0262	1.4597 0.9965	1.3076 1.0622	1.3000	Ave		1.2599			0.7000	15.9		20.0			
2-Chlorophenol	1.4423	1.2555	1.2117	1.5039 1.1904	1.5572	Ave		1.3602			0.8000	11.8		20.0			
n-Decane	1.7593	1.4268	1.3398	2.0884 +++++	2.0367	Ave		1.7302				19.8		20.0			
1,3-Dichlorobenzene	1.7956	1.5996	1.5447	1.8908 1.6030	1.9061	Ave		1.7233				9.3		20.0			
1,4-Dichlorobenzene	1.7486	1.5711	1.5182	1.8644 1.5874	1.8643	Ave		1.6923				9.1		20.0			
Benzyl alcohol	0.8522	0.8019	0.7956	0.9199 0.7761	0.9237	Ave		0.8449				7.7		20.0			
1,2-Dichlorobenzene	1.6997	1.4907	1.4150	1.7972 1.4539	1.8083	Ave		1.6108				11.1		20.0			
2-Methylphenol	1.2625	1.0996	1.0392	1.3621 1.0272	1.3421	Ave		1.1888			0.7000	12.8		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.: 460-111954-1 Analy Batch No.: 361914
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

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]	2.0822	1.7516	1.5596	2.3419 1.4234	2.3119	Qua	4.7359	1.8229	-0.003707		0.0100				0.9990		0.9900
3 & 4 Methylphenol	1.1649	1.0432	1.0306	1.3956 1.0639	1.3059	Ave		1.1674				13.1		20.0			
4-Methylphenol	1.1649	1.0432	1.0306	1.3956 1.0639	1.3059	Ave		1.1674			0.6000	13.1		20.0			
Acetophenone	1.4501	1.2969	1.2826	1.7353 1.3441	1.6317	Ave		1.4568			0.0100	12.9		20.0			
N-Nitrosodi-n-propylamine	1.0538 0.7174	0.9886 0.6808	1.0232 0.6781	0.8762 0.6706	0.8269	Ave		0.8351			0.5000	18.8		20.0			
Hexachloroethane	0.6811 0.6004	0.6781 0.5266	0.6927 0.4973	0.6504 0.5161	0.6561	Ave		0.6110			0.3000	12.8		20.0			
Nitrobenzene	0.6166 0.5016	0.6154 0.4468	0.6128 0.4239	0.5738 0.4542	0.5510	Ave		0.5329			0.2000	14.6		20.0			
n,n'-Dimethylaniline	2.4723 1.9028	2.3967 1.7147	2.4154 1.6022	2.2446 1.6881	2.1077	Ave		2.0605				16.6		20.0			
Isophorone	0.6363	0.5936	0.7560 0.5760	0.6868 0.6009	0.6954	Ave		0.6493			0.4000	10.1		20.0			
2-Nitrophenol	0.2133	0.1866	0.1911	0.2070 0.1916	0.2150	Ave		0.2008			0.1000	6.2		20.0			
2,4-Dimethylphenol	0.3452	0.3046	0.2940	0.3641 0.3017	0.3723	Ave		0.3303			0.2000	10.4		20.0			
Bis(2-chloroethoxy)methane	0.3611	0.3189	0.3012	0.4019 0.3074	0.3927	Ave		0.3472			0.3000	12.7		20.0			
Benzoic acid	0.1411	0.1326	0.1490	0.0882 0.1663	0.1157	Lin2	-0.343	0.1545			0.0100				0.9940		0.9900
2,4-Dichlorophenol	0.3638	0.3341	0.3463 0.3123	0.3497 0.3220	0.3723	Ave		0.3429			0.2000	6.3		20.0			
1,2,4-Trichlorobenzene	0.4546 0.4125	0.4483 0.3896	0.4379 0.3692	0.4270 0.3944	0.4283	Ave		0.4180				6.9		20.0			
Naphthalene	1.0980	0.9732	0.9302	1.1733 0.9751	1.1806	Ave		1.0551			0.7000	10.4		20.0			
4-Chloroaniline	0.4202	0.3663	0.3514	0.4558 0.3658	0.4649	Ave		0.4041			0.0100	12.3		20.0			
Hexachlorobutadiene	0.2891 0.2844	0.2832 0.2831	0.2759 0.2800	0.2987	0.2843	Ave		0.2848			0.0100	2.4		20.0			
4-Chloro-3-methylphenol	0.2855	0.2533	0.2389	0.2949 0.2438	0.3017	Ave		0.2697			0.2000	10.2		20.0			
2-Methylnaphthalene	0.7646	0.6747	0.6455	0.8228 0.6617	0.8058	Ave		0.7292			0.4000	10.7		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.: 460-111954-1 Analy Batch No.: 361914
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

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	0.6576	0.5839	0.5487	0.7024 0.5646	0.6987	Ave		0.6260				11.0		20.0			
Hexachlorocyclopentadiene	0.5737	0.6231	0.6298	0.4638 0.6810	0.5377	Ave		0.5848			0.0500	13.2		20.0			
1,2,4,5-Tetrachlorobenzene	0.7553	0.7672	0.7790	0.7449 0.8444	0.7781	Ave		0.7781			0.0100	4.5		20.0			
2-tertbutyl-4-methylphenol	0.4907	0.4501	0.4086	0.5539 0.4360	0.5266	Ave		0.4777				11.7		20.0			
2,4,6-Trichlorophenol	0.4349	0.4218	0.3984 0.4299	0.4239 0.4749	0.4356	Ave		0.4313			0.2000	5.3		20.0			
2,4,5-Trichlorophenol	0.4598	0.4327	0.4175	0.4342 0.4231	0.4597	Ave		0.4378			0.2000	4.1		20.0			
1,1'-Biphenyl	1.7193	1.5724	1.5169	1.7978 1.5978	1.8337	Ave		1.6730			0.0100	7.7		20.0			
2-Chloronaphthalene	1.3153	1.1948	1.1538	1.3387 1.2012	1.3584	Ave		1.2604			0.8000	6.9		20.0			
Phenyl ether	0.9458	0.8948	0.8161	0.9787 0.8859	0.9553	Ave		0.9128				6.5		20.0			
2-Nitroaniline	0.3993	0.3704	0.3533	0.3933 0.3694	0.4146	Ave		0.3834			0.0100	5.9		20.0			
1,3-Dimethylnaphthalene	1.0561	1.0040	0.8663	1.1695 0.9310	1.1136	Ave		1.0234				11.1		20.0			
Dimethyl phthalate	1.2133	1.1082	1.0693	1.2471 1.0862	1.2745	Ave		1.1664			0.0100	7.6		20.0			
Coumarin	0.1848	0.1668	0.1490	0.2054 0.1531	0.1971	Ave		0.1760				13.3		20.0			
2,6-Dinitrotoluene	0.2735	0.2517 0.2547	0.2634 0.2457	0.2679 0.2468	0.2829	Ave		0.2608			0.2000	5.1		20.0			
Acenaphthylene	1.8009	1.6571	1.5678	1.9057 1.6362	1.9210	Ave		1.7481			0.9000	8.5		20.0			
3-Nitroaniline	0.2697	0.2487	0.2464	0.2715 0.2511	0.2789	Ave		0.2610			0.0100	5.3		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.4374	1.4988	1.3981	1.4297 1.5318	1.4073	Ave		1.4505				3.7		20.0			
Acenaphthene	1.2540	1.0612	1.0112	1.2740 1.0538	1.3115	Ave		1.1609			0.9000	11.4		20.0			
2,4-Dinitrophenol	0.1165	0.1174	0.0432 0.1342	0.0685 0.1419	0.0979	Qua	-0.346	0.1134	0.0001267		0.0100				0.9990		0.9900
4-Nitrophenol	0.1571	0.1494	0.1532	0.1401 0.1630	0.1633	Ave		0.1544			0.0100	5.7		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.: 460-111954-1 Analy Batch No.: 361914
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

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	0.3187	0.2545 0.2858	0.2833 0.2846	0.2934 0.2902	0.3307	Ave		0.2927			0.2000	7.9		20.0			
Dibenzofuran	1.7281	1.5499	1.5079	1.7983 1.5511	1.8259	Ave		1.6602			0.8000	8.5		20.0			
2,3,4,6-Tetrachlorophenol	0.3474	0.3281	0.3452	0.3030 0.3627	0.3353	Ave		0.3370			0.0100	6.0		20.0			
Diethyl phthalate	1.0635	0.9499	0.9054	1.0981 0.9180	1.1240	Ave		1.0098			0.0100	9.6		20.0			
4-Chlorophenyl phenyl ether	0.6823	0.6593	0.6497	0.6866 0.6979	0.7183	Ave		0.6824			0.4000	3.7		20.0			
Fluorene	1.2004	1.0985	1.0967	1.3118 1.1627	1.3032	Ave		1.1955			0.9000	8.0		20.0			
4-Nitroaniline	0.2143	0.1978	0.2020	0.2008 0.2090	0.2202	Ave		0.2073			0.0100	4.2		20.0			
4,6-Dinitro-2-methylphenol	0.1169	0.1177	0.0591 0.1286	0.0864 0.1346	0.1072	Lin2	-0.285	0.1253			0.0100				0.9960		0.9900
N-Nitrosodiphenylamine	0.6316	0.5863	0.7094 0.5793	0.6651 0.6103	0.6641	Ave		0.6352			0.0100	7.4		20.0			
1,2-Diphenylhydrazine	0.7498	0.6668	0.6417	0.7895 0.6394	0.7949	Ave		0.7137				10.2		20.0			
4-Bromophenyl phenyl ether	0.3182	0.3147	0.3279	0.2951 0.3481	0.3048	Ave		0.3181			0.1000	5.8		20.0			
Hexachlorobenzene	0.3560 0.3884	0.3363 0.4033	0.3413 0.4220	0.3559 0.4514	0.3703	Ave		0.3805			0.1000	10.2		20.0			
Pentachlorophenol	0.1890	0.2006	0.1292 0.2143	0.1614 +++++	0.1761	Ave		0.1784			0.0500	17.0		20.0			
Pentachloronitrobenzene	0.1268	0.1280	0.1127	0.1152 0.1207	0.1203	Ave		0.1206			0.0100	5.1		20.0			
n-Octadecane	0.5346	0.4552	0.4426	0.5741 0.4658	0.5731	Ave		0.5076				11.9		20.0			
Phenanthrene	1.1592	1.0671	1.0535	1.1690 1.0875	1.1818	Ave		1.1197			0.7000	5.1		20.0			
Anthracene	1.1549	1.0943	1.0589	1.1801 1.0840	1.2028	Ave		1.1292			0.7000	5.1		20.0			
Carbazole	0.8620	0.7823	0.7743	0.8823 0.7934	0.9039	Ave		0.8330			0.0100	6.8		20.0			
Di-n-butyl phthalate	0.9899	0.9366	0.9104	0.9987 0.9381	1.0242	Ave		0.9663			0.0100	4.6		20.0			
Fluoranthene	0.9696	0.9533	0.9560	0.9654 0.9846	0.9905	Ave		0.9699			0.6000	1.5		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.: 460-111954-1 Analy Batch No.: 361914
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

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	0.3083	0.3544	0.4292	0.3103 0.4552	0.2966	Ave		0.3590				18.9		20.0			
Pyrene	1.6111	1.4729	1.4589	1.5993 1.4885	1.6231	Ave		1.5423			0.6000	5.0		20.0			
Bisphenol-A	0.3344	0.4451	0.4719	0.2250 0.5036	0.2905	Qua	-1.533	0.4363	0.0006716						1.0000		0.9900
Butyl benzyl phthalate	0.4908	0.4545	0.4540	0.4423 0.4783	0.4885	Ave		0.4681			0.0100	4.4		20.0			
2,3,7,8-TCDD		0.2453				Ave		0.2453						20.0			
Carbamazepine	0.3442	0.3769	0.4013	0.2469 0.4523	0.3048	Lin2	-0.908	0.4136			0.0100				0.9930		0.9900
3,3'-Dichlorobenzidine	0.3939	0.4148	0.2932 0.4642	0.3400 0.4871	0.3696	Ave		0.3947			0.0100	17.2		20.0			
Benzo[a]anthracene	1.3300 1.1309	1.1782 1.1260	1.1058 1.1435	1.0579 1.2134	1.1360	Ave		1.1580			0.8000	6.7		20.0			
Bis(2-ethylhexyl) phthalate	0.6342	0.5902	0.6014	0.5829 0.6348	0.6309	Ave		0.6124			0.0100	3.9		20.0			
Chrysene	1.0562	1.0097	1.0300	1.0068 1.1129	1.0543	Ave		1.0450			0.7000	3.8		20.0			
Di-n-octyl phthalate	1.0963	1.0484	1.0612	0.9136 1.0744	1.0225	Ave		1.0361			0.0100	6.3		20.0			
Benzo[b]fluoranthene	0.9503 1.0930	0.9511 1.0976	0.9548 1.1099	1.0202 1.2113	1.0838	Ave		1.0524			0.7000	8.5		20.0			
Benzo[k]fluoranthene	1.0866 1.1703	1.0997 1.1339	1.1213 1.1547	1.0642 1.2245	1.1236	Ave		1.1310			0.7000	4.2		20.0			
Benzo[a]pyrene	0.7781 0.9995	0.8380 0.9942	0.9055 1.0298	0.8919 1.1104	0.9619	Ave		0.9455			0.7000	10.8		20.0			
Indeno[1,2,3-cd]pyrene	0.6783 0.8600	0.6432 0.9762	0.7010 0.9869	0.7634 +++++	0.8372	Ave		0.8058			0.5000	16.3		20.0			
Dibenz(a,h)anthracene	0.7312 0.9489	0.7089 1.0072	0.7543 1.0480	0.7732 1.1150	0.8839	Ave		0.8856			0.4000	17.1		20.0			
Benzo[g,h,i]perylene	0.9639	1.0488	1.0747	0.8193 1.1449	0.8987	Ave		0.9917			0.5000	12.2		20.0			
2-Fluorophenol (Surr)	1.3681	1.4520 1.3399	1.7195 1.2288	1.5702 1.4307	1.5020	Ave		1.4514				10.3		20.0			
Phenol-d5 (Surr)	1.5573	1.6666 1.4983	2.0282 1.3670	1.8484 1.5441	1.7460	Ave		1.6570				12.8		20.0			
Nitrobenzene-d5 (Surr)	0.3754 0.4058	0.4245 0.4001	0.4962 0.3620	0.4656 0.4089	0.4469	Ave		0.4206				10.2		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.: 460-111954-1 Analy Batch No.: 361914

SDG No.: _____

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

Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

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	1.7100 1.5701	1.6329 1.6147	1.9106 1.5260	1.7991 1.7710	1.7307	Ave		1.6961				7.2		20.0			
2,4,6-Tribromophenol (Surr)	0.2976	++++ 0.3486	0.2800 0.3478	0.3059 0.4236	0.3045	Ave		0.3297				14.8		20.0			
Terphenyl-d14 (Surr)	1.1194 1.1906	1.1593 1.2768	1.3022 1.2002	1.2223 1.4520	1.2421	Ave		1.2406				7.8		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.: 460-111954-1 Analy Batch No.: 361914

SDG No.: _____

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

Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-361914/10	x12700.D
Level 2	STD1 460-361914/9	x12699.D
Level 3	STD2 460-361914/8	x12698.D
Level 4	STD5 460-361914/7	x12697.D
Level 5	STD10 460-361914/6	x12696.D
Level 6	STD20 460-361914/5	x12695.D
Level 7	ICIS 460-361914/2	x12692.D
Level 8	STD80 460-361914/4	x12694.D
Level 9	STD120 460-361914/3	x12693.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	281507	566841	879976	75817 1224214	151836	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCB	Ave	394009	772871	1221429	107028 1669340	211795	20.0	50.0	80.0	5.00 120	10.0
Pyridine	DCB	Ave	676953	1297546	2084539	184751 2929279	368378	20.0	50.0	80.0	5.00 120	10.0
Phenol	DCB	Ave	897059	1648133	2526326	256765 3428046	498095	20.0	50.0	80.0	5.00 120	10.0
Aniline	DCB	Ave	1069931	2099242	3209371	300139 4182159	586615	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCB	Ave	21887 644615	42993 1189836	80795 1836092	188793 2614245	360911	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCB	Ave	777095	1455688	2232517	217132 2929826	432333	20.0	50.0	80.0	5.00 120	10.0
n-Decane	DCB	Ave	947896	1654401	2468567	301529 +++++	565465	20.0	50.0	80.0	5.00 +++++	10.0
1,3-Dichlorobenzene	DCB	Ave	967450	1854733	2846042	273002 3945489	529184	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCB	Ave	942113	1821661	2797352	269188 3907093	517587	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCB	Ave	459141	929820	1465861	132815 1910135	256439	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCB	Ave	915786	1728457	2607051	259479 3578341	502043	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCB	Ave	680233	1275021	1914693	196664 2528229	372616	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCB	Qua	1121820	2031004	2873480	338124 3503298	641874	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.: 460-111954-1 Analy Batch No.: 361914

SDG No.: _____

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

Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

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
3 & 4 Methylphenol	DCB	Ave	627633	1209595	1898946	201493 2618500	362574	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCB	Ave	627633	1209595	1898946	201493 2618500	362574	20.0	50.0	80.0	5.00 120	10.0
Acetophenone	DCB	Ave	781284	1503782	2363210	250551 3308064	453023	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCB	Ave	15636 386520	28045 789375	56633 1249429	126504 1650462	229575	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Hexachloroethane	DCB	Ave	10106 323478	19236 610550	38338 916252	93909 1270188	182159	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	NPT	Ave	31417 903815	59337 1690835	117375 2585398	281499 3606577	514923	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCB	Ave	36685 1025197	67989 1988196	133689 2952113	324088 4154866	585175	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	1146451	2246670	3512886	336933 4771623	649869	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	384349	706088	1165394	101546 1521349	200947	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	622030	1152756	1793068	178651 2395716	347908	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	650562	1207058	1836998	197192 2441102	366953	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Lin2	254226	501735	908566	43251 1320500	108131	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	655429	1264298	1905068	66332 171551	347879	20.0	50.0	2.00 80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	23161 743151	43222 1474450	83890 2252128	209486 3131341	400283	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	1978312	3683379	5673719	575646 7742481	1103206	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	757089	1386246	2143536	223634 2904503	434409	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	512474	27869 1071286	54240 1707721	135378 2371721	265641	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
4-Chloro-3-methylphenol	NPT	Ave	514373	958803	1457266	144676 1935841	281933	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	1377584	2553612	3937243	403681 5254357	753034	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	1184928	2209739	3346387	344604 4483140	652900	20.0	50.0	80.0	5.00 120	10.0
Hexachlorocyclopentadiene	ANT	Ave	531221	1182450	1895029	121020 2600135	264247	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.: 460-111954-1 Analy Batch No.: 361914

SDG No.: _____

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

Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

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	699412	1455818	2344261	194362 3224001	382398	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	884210	1703629	2492231	271760 3462341	492130	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	402739	800398	40474 1293751	110611 1813150	214072	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	425757	821005	1256464	113287 1615662	225942	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	1592109	2983795	4564730	469081 6100735	901199	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	1218051	2267212	3471950	349274 4586414	667635	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	875805	1698014	2455870	255363 3382563	469479	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	369753	702802	1063241	102616 1410499	203744	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	978027	1905173	2606721	305143 3554751	547320	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	1123589	2102855	3217811	325385 4147409	626358	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	332906	631331	908735	100750 1215427	184227	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	253304	13088 483282	26759 739232	69910 942437	139059	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	1667739	3144368	4717729	497218 6247465	944107	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	249750	471925	741443	70827 958604	137079	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	1331036	2844123	4207121	373023 5848994	691664	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	1161202	2013617	3042842	332398 4023818	644564	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Qua	215846	445404	8782 807487	35762 1083808	96238	40.0	100	4.00 160	10.0 240	20.0
4-Nitrophenol	ANT	Ave	290949	566913	922102	73125 1244420	160556	40.0	100	160	10.0 240	20.0
2,4-Dinitrotoluene	ANT	Ave	295135	13232 542417	28789 856474	76542 1108033	162553	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenzofuran	ANT	Ave	1600284	2941042	4537380	469206 5922614	897381	20.0	50.0	80.0	5.00 120	10.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	321704	622606	1038720	79056 1384824	164807	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.: 460-111954-1 Analy Batch No.: 361914

SDG No.: _____

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

Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

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	984864	1802587	2724515	286500 3505030	552392	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	631864	1250990	1955204	179138 2664938	353016	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	1111594	2084415	3300045	342267 4439675	640467	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	198429	375302	607712	52384 797889	108199	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Lin2	291596	587751	16497 1016853	62255 1346616	145036	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	1575757	2927491	197863 4578634	479133 6107824	898072	40.0	100	4.00 160	10.0 240	20.0
1,2-Diphenylhydrazine	PHN	Ave	935237	1664589	2536266	284383 3199455	537501	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	396929	785685	1295823	106306 1741764	206110	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	13478 484511	24519 1006934	47595 1667896	128201 2258903	250362	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Pentachlorophenol	PHN	Ave	471525	1001709	36033 1694044	116252 +++++	238105	40.0	100	4.00 160	10.0 +++++	20.0
Pentachloronitrobenzene	PHN	Ave	158223	319598	445352	41505 604007	81358	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	666820	1136380	1749400	206813 2330643	387520	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	1445948	2664108	4163618	421085 5441450	799104	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	1440619	2731937	4185156	425092 5424075	813281	20.0	50.0	80.0	5.00 120	10.0
Carbazole	PHN	Ave	1075243	1953098	3060163	317836 3970106	611177	20.0	50.0	80.0	5.00 120	10.0
Di-n-butyl phthalate	PHN	Ave	1234698	2338157	3598146	359765 4694059	692537	20.0	50.0	80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	1209493	2379937	3778376	347763 4926801	669753	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	Ave	384590	884757	1696183	111778 2277733	200554	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	1212125	2349757	3737075	347617 4932006	652635	20.0	50.0	80.0	5.00 120	10.0
Bisphenol-A	CRY	Qua	251602	710051	1208780	48904 1668672	116812	20.0	50.0	80.0	5.00 120	10.0
Butyl benzyl phthalate	CRY	Ave	369257	725085	1163075	96136 1584703	196419	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.: 460-111954-1 Analy Batch No.: 361914

SDG No.: _____

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

Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

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		3913					0.500			
Carbamazepine	CRY	Lin2				53659	122570				5.00	10.0
			258986	601319	1028006	1498766		20.0	50.0	80.0	120	
3,3'-Dichlorobenzidine	CRY	Ave			23216	73902	148618			2.00	5.00	10.0
			296363	661727	1188989	1614011		20.0	50.0	80.0	120	
Benzo[a]anthracene	CRY	Ave	27989	48386	87563	229936	456765	0.500	1.00	2.00	5.00	10.0
			850805	1796227	2929145	4020370		20.0	50.0	80.0	120	
Bis(2-ethylhexyl) phthalate	CRY	Ave				126694	253670				5.00	10.0
			477152	941608	1540491	2103385		20.0	50.0	80.0	120	
Chrysene	CRY	Ave				218824	423922				5.00	10.0
			794672	1610710	2638437	3687609		20.0	50.0	80.0	120	
Di-n-octyl phthalate	PRY	Ave				149302	324696				5.00	10.0
			666411	1440850	2469700	3363316		20.0	50.0	80.0	120	
Benzo[b]fluoranthene	PRY	Ave	15118	29739	56593	166733	344158	0.500	1.00	2.00	5.00	10.0
			664374	1508434	2582982	3792155		20.0	50.0	80.0	120	
Benzo[k]fluoranthene	PRY	Ave	17287	34387	66463	173911	356784	0.500	1.00	2.00	5.00	10.0
			711366	1558290	2687180	3833307		20.0	50.0	80.0	120	
Benzo[a]pyrene	PRY	Ave	12379	26202	53673	145760	305451	0.500	1.00	2.00	5.00	10.0
			607541	1366363	2396509	3476191		20.0	50.0	80.0	120	
Indeno[1,2,3-cd]pyrene	PRY	Ave	10791	20113	41550	124760	265853	0.500	1.00	2.00	5.00	10.0
			522797	1341551	2296660	+++++		20.0	50.0	80.0	+++++	
Dibenz(a,h)anthracene	PRY	Ave	11633	22166	44712	126367	280679	0.500	1.00	2.00	5.00	10.0
			576822	1384172	2438898	3490523		20.0	50.0	80.0	120	
Benzo[g,h,i]perylene	PRY	Ave				133887	285369				5.00	10.0
			585921	1441333	2500992	3584209		20.0	50.0	80.0	120	
2-Fluorophenol (Surr)	DCB	Ave		41191	95172	226716	416996		1.00	2.00	5.00	10.0
			737086	1553533	2263985	3521221		20.0	50.0	80.0	120	
Phenol-d5 (Surr)	DCB	Ave		47278	112260	266878	484752		1.00	2.00	5.00	10.0
			839037	1737286	2518752	3800316		20.0	50.0	80.0	120	
Nitrobenzene-d5 (Surr)	NPT	Ave	19124	40930	95048	228451	417628	0.500	1.00	2.00	5.00	10.0
			731090	1514089	2208112	3246486		20.0	50.0	80.0	120	
2-Fluorobiphenyl	ANT	Ave	46593	84898	194117	469398	850602	0.500	1.00	2.00	5.00	10.0
			1453985	3063995	4592109	6762147		20.0	50.0	80.0	120	
2,4,6-Tribromophenol (Surr)	ANT	Ave		+++++	28447	79826	149656		+++++	2.00	5.00	10.0
			275573	661504	1046583	1617583		20.0	50.0	80.0	120	
Terphenyl-d14 (Surr)	CRY	Ave	23557	47610	103120	265667	499443	0.500	1.00	2.00	5.00	10.0
			895741	2036865	3074415	4811173		20.0	50.0	80.0	120	

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

Lab Name: TestAmerica Edison Job No.: 460-111954-1 Analy Batch No.: 361914
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/11/2016 13:47 Calibration End Date: 04/11/2016 17:01 Calibration ID: 55291

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\20160411-39723.b\12692.D
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 7
 Inject. Date: 11-Apr-2016 13:47:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039684-002
 Misc. Info.: ICIS
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:58:40 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:13:59

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	1.818	1.818	0.000	97	566841	50.0	48.0	
2 N-Nitrosodimethylamine	74	2.053	2.053	0.000	64	772871	50.0	47.1	
3 Pyridine	79	2.089	2.089	0.000	80	1297546	50.0	46.0	
\$ 4 2-Fluorophenol	112	3.218	3.218	0.000	94	1553533	50.0	46.2	
\$ 6 Phenol-d5	99	4.142	4.142	0.000	95	1737286	50.0	45.2	
7 Phenol	94	4.159	4.159	0.000	98	1648133	50.0	45.3	
8 Aniline	93	4.183	4.183	0.000	98	2099242	50.0	47.5	
9 Bis(2-chloroethyl)ether	93	4.247	4.247	0.000	95	1189836	50.0	40.7	
10 Benzonitrile	103	4.277	4.277	0.000	66	2655625	NC	NC	
11 2-Chlorophenol	128	4.306	4.306	0.000	94	1455688	50.0	46.2	
12 n-Decane	43	4.353	4.353	0.000	88	1654401	50.0	41.2	
13 1,3-Dichlorobenzene	146	4.459	4.459	0.000	95	1854733	50.0	46.4	
* 14 1,4-Dichlorobenzene-d4	152	4.512	4.512	0.000	97	927586	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.530	4.530	0.000	94	1821661	50.0	46.4	
16 Benzyl alcohol	108	4.647	4.647	0.000	91	929820	50.0	47.5	
17 1,2-Dichlorobenzene	146	4.683	4.683	0.000	95	1728457	50.0	46.3	
18 2-Methylphenol	108	4.759	4.759	0.000	88	1275021	50.0	46.3	
19 2,2'-oxybis[1-chloropropan	45	4.783	4.783	0.000	89	2031004	50.0	50.7	
20 N-Methylaniline	106	4.906	4.906	0.000	84	1942331	NC	NC	
24 4-Methylphenol	108	4.918	4.918	0.000	85	1209595	50.0	44.7	
21 Acetophenone	105	4.918	4.918	0.000	94	1503782	50.0	44.5	
23 3 & 4 Methylphenol	108	4.918	4.918	0.000	84	1209595	50.0	44.7	
22 N-Nitrosodi-n-propylamine	70	4.924	4.924	0.000	95	789375	50.0	40.8	
25 Hexachloroethane	117	5.024	5.024	0.000	85	610550	50.0	43.1	
\$ 26 Nitrobenzene-d5	82	5.071	5.071	0.000	94	1514089	50.0	47.6	
28 Nitrobenzene	77	5.094	5.094	0.000	87	1690835	50.0	41.9	
27 n,n'-Dimethylaniline	120	5.094	5.094	0.000	95	1988196	50.0	41.6	
31 Isophorone	82	5.336	5.336	0.000	96	2246670	50.0	45.7	
32 2-Nitrophenol	139	5.406	5.406	0.000	85	706088	50.0	46.5	
33 2,4-Dimethylphenol	122	5.447	5.447	0.000	88	1152756	50.0	46.1	

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	5.541	5.541	0.000	97	1207058	50.0	45.9	
35 Benzoic acid	122	5.577	5.577	0.000	91	501735	50.0	45.1	
36 2,4-Dichlorophenol	162	5.647	5.647	0.000	94	1264298	50.0	48.7	
37 1,2,4-Trichlorobenzene	180	5.736	5.736	0.000	94	1474450	50.0	46.6	
* 38 Naphthalene-d8	136	5.794	5.794	0.000	100	3027697	40.0	40.0	
39 Naphthalene	128	5.812	5.812	0.000	99	3683379	50.0	46.1	
40 4-Chloroaniline	127	5.865	5.865	0.000	95	1386246	50.0	45.3	
41 Hexachlorobutadiene	225	5.941	5.941	0.000	97	1071286	50.0	49.7	
43 4-Chloro-3-methylphenol	107	6.347	6.347	0.000	96	958803	50.0	47.0	
44 2-Methylnaphthalene	142	6.506	6.506	0.000	85	2553612	50.0	46.3	
45 1-Methylnaphthalene	142	6.606	6.606	0.000	93	2209739	50.0	46.6	
46 Hexachlorocyclopentadiene	237	6.671	6.671	0.000	98	1182450	50.0	53.3	
47 1,2,4,5-Tetrachlorobenzene	216	6.677	6.677	0.000	98	1455818	50.0	49.3	
48 2-tertbutyl-4-methylphenol	149	6.700	6.700	0.000	91	1703629	50.0	47.1	
49 2,4,6-Trichlorophenol	196	6.788	6.788	0.000	93	800398	50.0	48.9	
50 2,4,5-Trichlorophenol	196	6.818	6.818	0.000	96	821005	50.0	49.4	
\$ 51 2-Fluorobiphenyl	172	6.871	6.871	0.000	98	3063995	50.0	47.6	
52 1,1'-Biphenyl	154	6.971	6.971	0.000	94	2983795	50.0	47.0	
53 2-Chloronaphthalene	162	6.994	6.994	0.000	98	2267212	50.0	47.4	
54 Phenyl ether	170	7.077	7.077	0.000	87	1698014	50.0	49.0	
56 2-Nitroaniline	65	7.088	7.088	0.000	94	702802	50.0	48.3	
57 1,3-Dimethylnaphthalene	156	7.212	7.212	0.000	93	1905173	50.0	49.1	
58 Dimethyl phthalate	163	7.277	7.277	0.000	99	2102855	50.0	47.5	
59 Coumarin	146	7.300	7.300	0.000	75	631331	50.0	47.4	
60 2,6-Dinitrotoluene	165	7.330	7.330	0.000	94	483282	50.0	48.8	
61 Acenaphthylene	152	7.406	7.406	0.000	97	3144368	50.0	47.4	
64 3-Nitroaniline	138	7.500	7.500	0.000	94	471925	50.0	47.6	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	1518049	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.565	7.565	0.000	95	2844123	50.0	51.7	
67 Acenaphthene	154	7.577	7.577	0.000	92	2013617	50.0	45.7	
68 2,4-Dinitrophenol	184	7.600	7.600	0.000	90	445404	100.0	96.2	
69 4-Nitrophenol	65	7.659	7.659	0.000	88	566913	100.0	96.8	
70 2,4-Dinitrotoluene	165	7.730	7.730	0.000	96	542417	50.0	48.8	
71 Dibenzofuran	168	7.747	7.747	0.000	95	2941042	50.0	46.7	
72 2,3,4,6-Tetrachlorophenol	232	7.865	7.865	0.000	97	622606	50.0	48.7	
73 Diethyl phthalate	149	7.971	7.971	0.000	98	1802587	50.0	47.0	
74 4-Chlorophenyl phenyl ethe	204	8.082	8.082	0.000	94	1250990	50.0	48.3	
75 Fluorene	166	8.082	8.082	0.000	95	2084415	50.0	45.9	
76 4-Nitroaniline	138	8.106	8.106	0.000	84	375302	50.0	47.7	
77 4,6-Dinitro-2-methylphenol	198	8.135	8.135	0.000	91	587751	100.0	96.2	
78 N-Nitrosodiphenylamine	169	8.200	8.200	0.000	66	2927491	100.0	92.3	
79 1,2-Diphenylhydrazine	77	8.241	8.241	0.000	93	1664589	50.0	46.7	
\$ 80 2,4,6-Tribromophenol	330	8.324	8.324	0.000	89	661504	50.0	52.9	
81 4-Bromophenyl phenyl ether	248	8.565	8.565	0.000	95	785685	50.0	49.5	
83 Hexachlorobenzene	284	8.635	8.635	0.000	92	1006934	50.0	53.0	
85 Pentachlorophenol	266	8.824	8.824	0.000	96	1001709	100.0	112.4	
86 Pentachloronitrobenzene	237	8.841	8.841	0.000	94	319598	50.0	53.1	
87 n-Octadecane	57	8.900	8.900	0.000	97	1136380	50.0	44.8	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	1997195	40.0	40.0	
89 Phenanthrene	178	9.029	9.029	0.000	96	2664108	50.0	47.7	
90 Anthracene	178	9.082	9.082	0.000	99	2731937	50.0	48.5	
91 Carbazole	167	9.235	9.235	0.000	96	1953098	50.0	47.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Di-n-butyl phthalate	149	9.576	9.576	0.000	100	2338157	50.0	48.5	
93 Fluoranthene	202	10.206	10.206	0.000	99	2379937	50.0	49.1	
94 Benzdine	184	10.329	10.329	0.000	99	884757	50.0	49.4	
95 Pyrene	202	10.435	10.435	0.000	98	2349757	50.0	47.8	
82 Bisphenol-A	213	10.471	10.471	0.000	98	710051	50.0	50.6	
\$ 96 Terphenyl-d14	244	10.594	10.594	0.000	98	2036865	50.0	51.5	
97 Butyl benzyl phthalate	149	11.129	11.129	0.000	96	725085	50.0	48.6	
98 2,3,7,8-TCDD	320	11.247	11.247	0.000	93	3913	0.5000	0.5000	
99 Carbamazepine	193	11.259	11.259	0.000	91	601319	50.0	47.8	
100 3,3'-Dichlorobenzidine	252	11.770	11.770	0.000	98	661727	50.0	52.5	
101 Benzo[a]anthracene	228	11.806	11.806	0.000	96	1796227	50.0	48.6	
* 102 Chrysene-d12	240	11.818	11.818	0.000	98	1276231	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.841	11.841	0.000	90	941608	50.0	48.2	
103 Chrysene	228	11.853	11.853	0.000	99	1610710	50.0	48.3	
105 Di-n-octyl phthalate	149	12.723	12.723	0.000	98	1440850	50.0	50.6	
106 Benzo[b]fluoranthene	252	13.253	13.253	0.000	97	1508434	50.0	52.1	
107 Benzo[k]fluoranthene	252	13.288	13.288	0.000	96	1558290	50.0	50.1	
108 Benzo[a]pyrene	252	13.706	13.706	0.000	98	1366363	50.0	52.6	
* 109 Perylene-d12	264	13.788	13.788	0.000	98	1099439	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.382	15.382	0.000	95	1341551	50.0	60.6	
111 Dibenz(a,h)anthracene	278	15.423	15.423	0.000	98	1384172	50.0	56.9	
112 Benzo[g,h,i]perylene	276	15.835	15.835	0.000	95	1441333	50.0	52.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

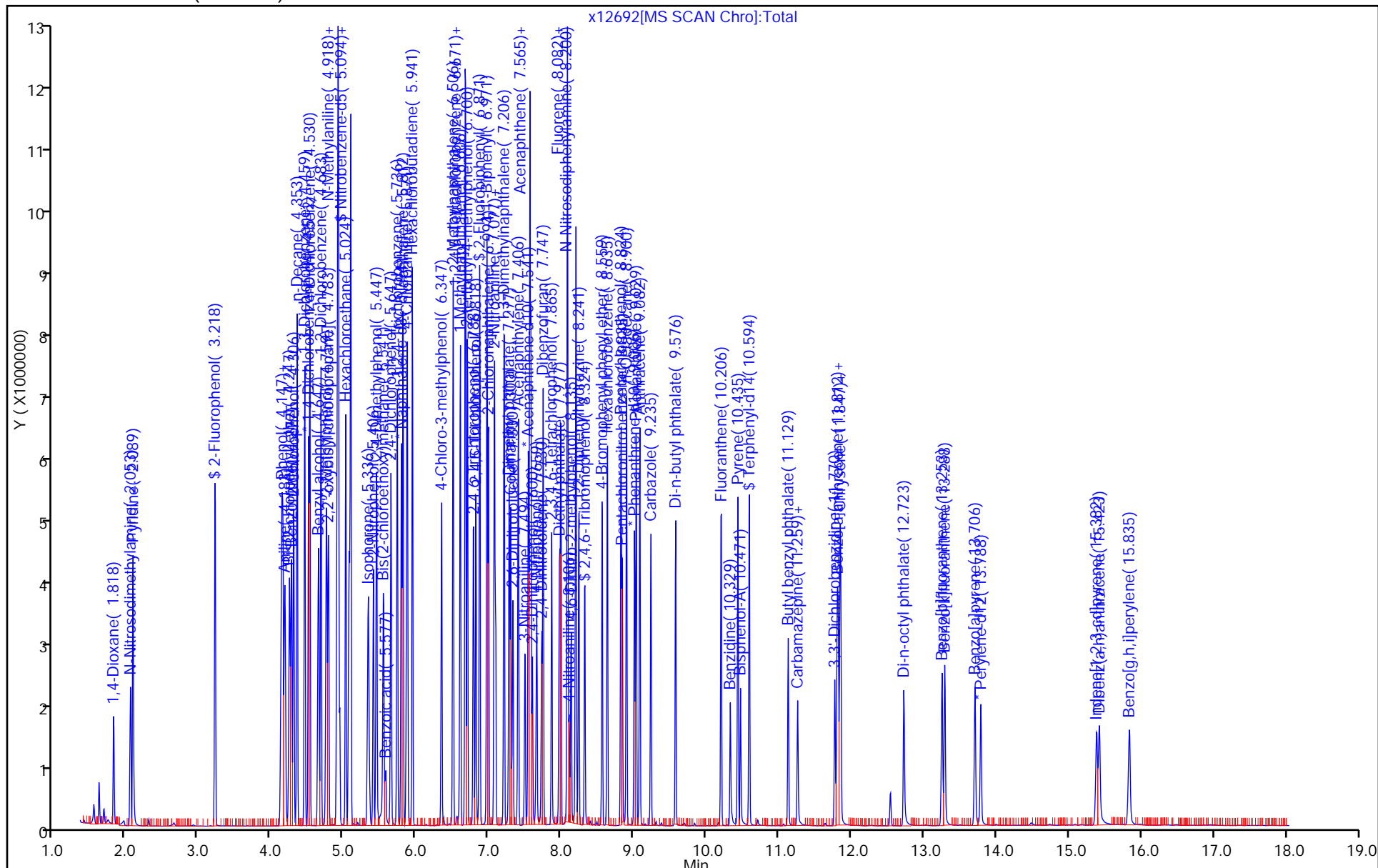
SV_IC_BNA_L6_00018

Amount Added: 1.00

Units: mL

Chrom Revision: 2.2 04-Mar-2016 14:36:24

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12693.D
 Lims ID: std120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 11-Apr-2016 14:11:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-003
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:58:45 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:22:20

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	1.812	1.818	-0.006	97	1224214	120.0	117.1	
2 N-Nitrosodimethylamine	74	2.065	2.053	0.012	64	1669340	120.0	115.1	
3 Pyridine	79	2.089	2.089	0.000	79	2929279	120.0	117.3	
\$ 4 2-Fluorophenol	112	3.230	3.218	0.012	94	3521221	120.0	118.3	
\$ 6 Phenol-d5	99	4.165	4.142	0.023	94	3800316	120.0	111.8	
7 Phenol	94	4.183	4.159	0.024	98	3428046	120.0	106.4	
8 Aniline	93	4.206	4.183	0.023	98	4182159	120.0	107.0	M
9 Bis(2-chloroethyl)ether	93	4.259	4.247	0.012	96	2614245	120.0	101.2	
10 Benzonitrile	103	4.300	4.277	0.023	66	5115272	NC	NC	
11 2-Chlorophenol	128	4.318	4.306	0.012	95	2929826	120.0	105.0	
12 n-Decane	43	4.359	4.353	0.006	87	3343594	120.0	94.2	
13 1,3-Dichlorobenzene	146	4.465	4.459	0.006	95	3945489	120.0	111.6	
* 14 1,4-Dichlorobenzene-d4	152	4.518	4.512	0.006	97	820418	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.536	4.530	0.006	94	3907093	120.0	112.6	
16 Benzyl alcohol	108	4.671	4.647	0.024	91	1910135	120.0	110.2	
17 1,2-Dichlorobenzene	146	4.689	4.683	0.006	97	3578341	120.0	108.3	
18 2-Methylphenol	108	4.771	4.759	0.012	86	2528229	120.0	103.7	
19 2,2'-oxybis[1-chloropropan	45	4.795	4.783	0.012	87	3503298	120.0	120.8	
20 N-Methylaniline	106	4.918	4.906	0.012	83	4092493	NC	NC	
24 4-Methylphenol	108	4.942	4.918	0.024	92	2618500	120.0	109.4	
21 Acetophenone	105	4.936	4.918	0.018	97	3308064	120.0	110.7	
23 3 & 4 Methylphenol	108	4.942	4.918	0.024	95	2618500	120.0	109.4	
22 N-Nitrosodi-n-propylamine	70	4.971	4.924	0.047	93	1650462	120.0	96.4	
25 Hexachloroethane	117	5.030	5.024	0.006	85	1270188	120.0	101.4	
\$ 26 Nitrobenzene-d5	82	5.089	5.071	0.018	95	3246486	120.0	116.7	
28 Nitrobenzene	77	5.112	5.094	0.018	82	3606577	120.0	102.3	
27 n,n'-Dimethylaniline	120	5.112	5.094	0.018	90	4154866	120.0	98.3	
31 Isophorone	82	5.359	5.336	0.023	97	4771623	120.0	111.1	M
32 2-Nitrophenol	139	5.418	5.406	0.012	84	1521349	120.0	114.5	
33 2,4-Dimethylphenol	122	5.465	5.447	0.018	89	2395716	120.0	109.6	
34 Bis(2-chloroethoxy)methane	93	5.553	5.541	0.012	98	2441102	120.0	106.3	

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	5.642	5.577	0.065	92	1320500	120.0	131.4	M
36 2,4-Dichlorophenol	162	5.665	5.647	0.018	94	2556820	120.0	112.7	
37 1,2,4-Trichlorobenzene	180	5.742	5.736	0.006	93	3131341	120.0	113.2	
* 38 Naphthalene-d8	136	5.800	5.794	0.006	100	2646782	40.0	40.0	
39 Naphthalene	128	5.824	5.812	0.012	100	7742481	120.0	110.9	
40 4-Chloroaniline	127	5.883	5.865	0.018	96	2904503	120.0	108.6	
41 Hexachlorobutadiene	225	5.947	5.941	0.006	98	2371721	120.0	125.8	
43 4-Chloro-3-methylphenol	107	6.353	6.347	0.006	96	1935841	120.0	108.5	
44 2-Methylnaphthalene	142	6.512	6.506	0.006	86	5254357	120.0	108.9	
45 1-Methylnaphthalene	142	6.612	6.606	0.006	93	4483140	120.0	108.2	
46 Hexachlorocyclopentadiene	237	6.677	6.671	0.006	98	2600135	120.0	139.7	
47 1,2,4,5-Tetrachlorobenzene	216	6.683	6.677	0.006	99	3224001	120.0	130.2	
48 2-tertbutyl-4-methylphenol	149	6.712	6.700	0.012	92	3462341	120.0	109.5	
49 2,4,6-Trichlorophenol	196	6.794	6.788	0.006	93	1813150	120.0	132.1	
50 2,4,5-Trichlorophenol	196	6.830	6.818	0.012	96	1615662	120.0	116.0	
\$ 51 2-Fluorobiphenyl	172	6.877	6.871	0.006	98	6762147	120.0	125.3	
52 1,1'-Biphenyl	154	6.983	6.971	0.012	94	6100735	120.0	114.6	
53 2-Chloronaphthalene	162	7.000	6.994	0.006	98	4586414	120.0	114.4	
54 Phenyl ether	170	7.083	7.077	0.006	84	3382563	120.0	116.5	
56 2-Nitroaniline	65	7.100	7.088	0.012	96	1410499	120.0	115.6	
57 1,3-Dimethylnaphthalene	156	7.218	7.212	0.006	94	3554751	120.0	109.2	
58 Dimethyl phthalate	163	7.294	7.277	0.017	99	4147409	120.0	111.7	
59 Coumarin	146	7.312	7.300	0.012	78	1215427	120.0	104.4	
60 2,6-Dinitrotoluene	165	7.341	7.330	0.011	94	942437	120.0	113.6	
61 Acenaphthylene	152	7.412	7.406	0.006	97	6247465	120.0	112.3	
64 3-Nitroaniline	138	7.512	7.500	0.012	93	958604	120.0	115.4	
* 65 Acenaphthene-d10	164	7.547	7.541	0.006	88	1272767	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.571	7.565	0.006	95	5848994	120.0	126.7	
67 Acenaphthene	154	7.583	7.577	0.006	92	4023818	120.0	108.9	
68 2,4-Dinitrophenol	184	7.618	7.600	0.018	94	1083808	240.0	239.4	
69 4-Nitrophenol	65	7.677	7.659	0.018	86	1244420	240.0	253.4	
70 2,4-Dinitrotoluene	165	7.741	7.730	0.011	95	1108033	120.0	119.0	
71 Dibenzofuran	168	7.753	7.747	0.006	95	5922614	120.0	112.1	
72 2,3,4,6-Tetrachlorophenol	232	7.871	7.865	0.006	99	1384824	120.0	129.2	
73 Diethyl phthalate	149	7.983	7.971	0.012	99	3505030	120.0	109.1	
74 4-Chlorophenyl phenyl ethe	204	8.088	8.082	0.006	94	2664938	120.0	122.7	
75 Fluorene	166	8.094	8.082	0.012	96	4439675	120.0	116.7	
76 4-Nitroaniline	138	8.130	8.106	0.024	86	797889	120.0	121.0	
77 4,6-Dinitro-2-methylphenol	198	8.153	8.135	0.018	92	1346616	240.0	259.9	
78 N-Nitrosodiphenylamine	169	8.212	8.200	0.012	65	6107824	240.0	230.6	
79 1,2-Diphenylhydrazine	77	8.247	8.241	0.006	92	3199455	120.0	107.5	
\$ 80 2,4,6-Tribromophenol	330	8.330	8.324	0.006	87	1617583	120.0	154.2	
81 4-Bromophenyl phenyl ether	248	8.565	8.565	0.000	96	1741764	120.0	131.3	
83 Hexachlorobenzene	284	8.641	8.635	0.006	91	2258903	120.0	142.4	
85 Pentachlorophenol	266	8.830	8.824	0.006	96	2308809	240.0	310.3	
86 Pentachloronitrobenzene	237	8.841	8.841	0.000	94	604007	120.0	120.1	
87 n-Octadecane	57	8.900	8.900	0.000	96	2330643	120.0	110.1	
* 88 Phenanthrene-d10	188	9.012	9.006	0.006	97	1667949	40.0	40.0	
89 Phenanthrene	178	9.035	9.029	0.006	96	5441450	120.0	116.5	
90 Anthracene	178	9.088	9.082	0.006	99	5424075	120.0	115.2	
91 Carbazole	167	9.241	9.235	0.006	96	3970106	120.0	114.3	
92 Di-n-butyl phthalate	149	9.577	9.576	0.001	99	4694059	120.0	116.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.206	10.206	0.000	98	4926801	120.0	121.8	
94 Benzidine	184	10.329	10.329	0.000	99	2277733	120.0	152.2	
95 Pyrene	202	10.441	10.435	0.006	98	4932006	120.0	115.8	
82 Bisphenol-A	213	10.477	10.471	0.006	98	1668672	120.0	119.9	
\$ 96 Terphenyl-d14	244	10.594	10.594	0.000	98	4811173	120.0	140.5	
97 Butyl benzyl phthalate	149	11.129	11.129	0.000	96	1584703	120.0	122.6	
99 Carbamazepine	193	11.265	11.259	0.006	91	1498766	120.0	133.4	
100 3,3'-Dichlorobenzidine	252	11.776	11.770	0.006	97	1614011	120.0	148.1	
101 Benzo[a]anthracene	228	11.812	11.806	0.006	96	4020370	120.0	125.7	
* 102 Chrysene-d12	240	11.824	11.818	0.006	98	1104474	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.841	11.841	0.000	88	2103385	120.0	124.4	
103 Chrysene	228	11.859	11.853	0.006	100	3687609	120.0	127.8	
105 Di-n-octyl phthalate	149	12.723	12.723	0.000	98	3363316	120.0	124.4	
106 Benzo[b]fluoranthene	252	13.259	13.253	0.006	97	3792155	120.0	138.1	
107 Benzo[k]fluoranthene	252	13.300	13.288	0.012	96	3833307	120.0	129.9	
108 Benzo[a]pyrene	252	13.712	13.706	0.006	98	3476191	120.0	140.9	
* 109 Perylene-d12	264	13.788	13.788	0.000	98	1043517	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.394	15.382	0.012	95	3545547	120.0	168.7	
111 Dibenz(a,h)anthracene	278	15.435	15.423	0.012	98	3490523	120.0	151.1	
112 Benzo[g,h,i]perylene	276	15.853	15.835	0.018	95	3584209	120.0	138.5	
S 119 Total Cresols	1				0			213.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

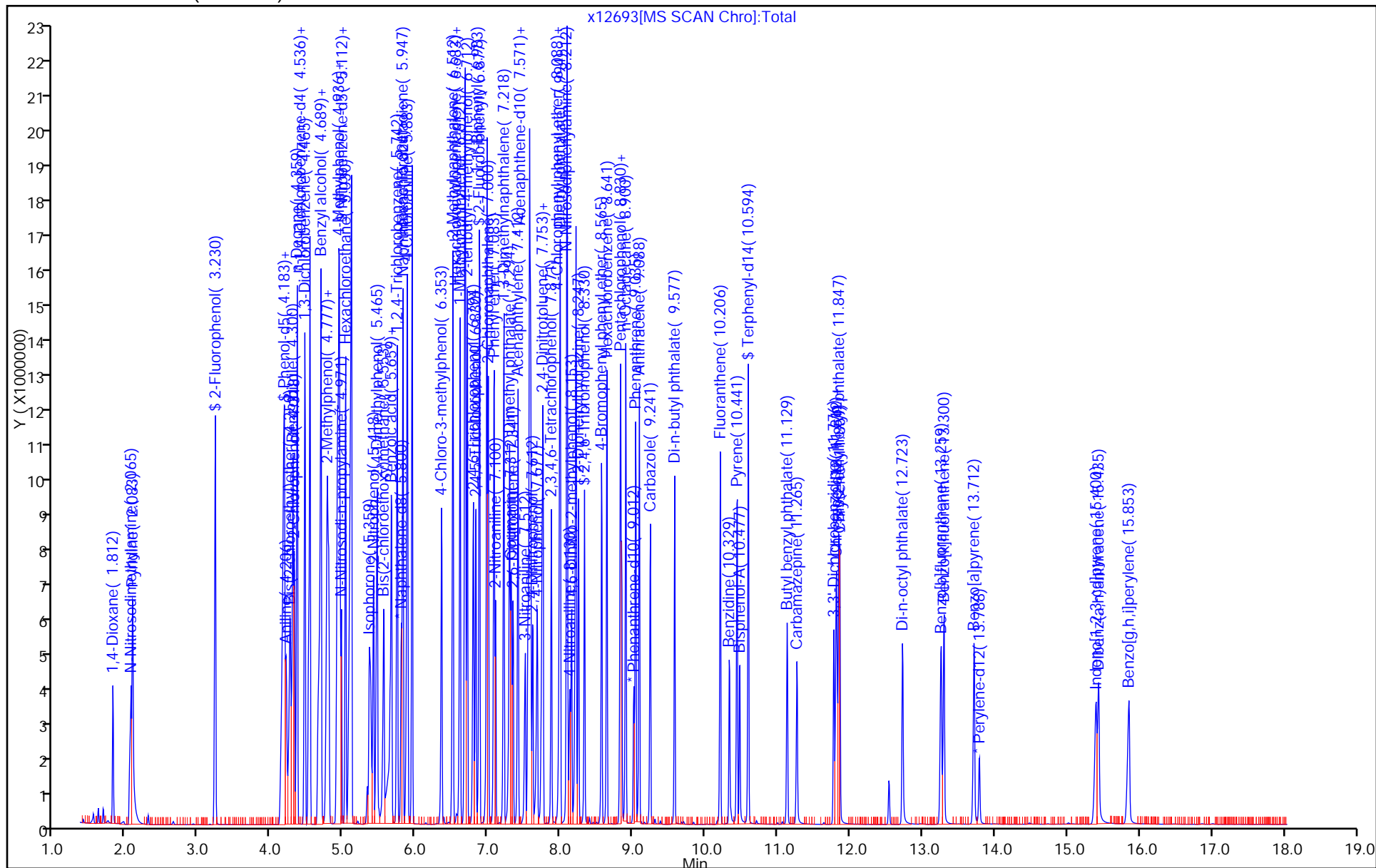
Reagents:

SV_IC_BNA_L8_00010

Amount Added: 1.00

Units: mL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

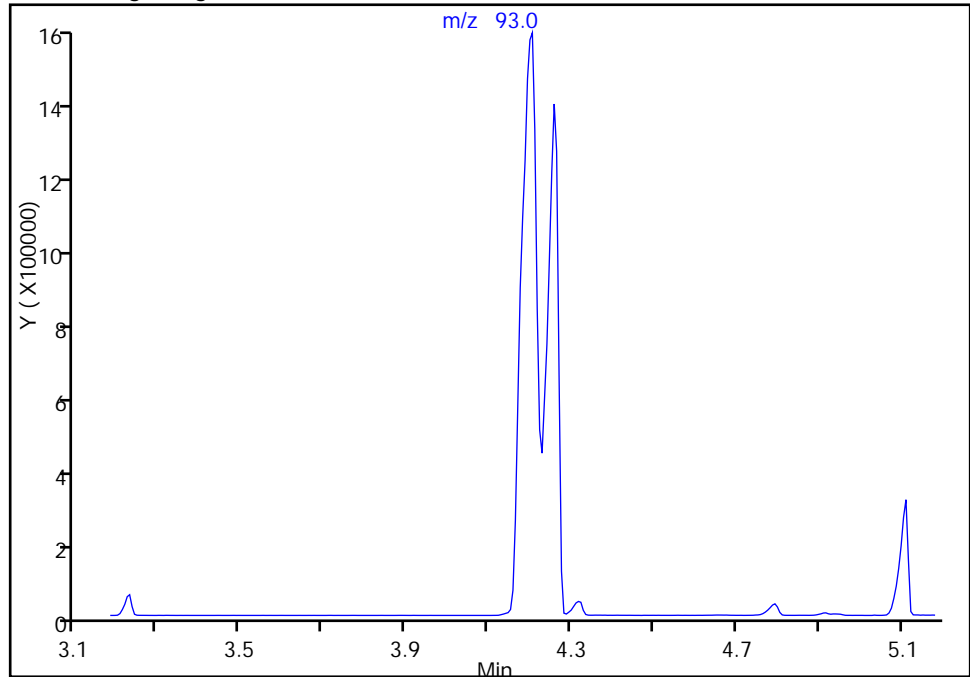
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Injection Date: 11-Apr-2016 14:11:30 Instrument ID: CBNAMS5
Lims ID: std120
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 3 Worklist Smp#: 3
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector: MS SCAN

8 Aniline, CAS: 62-53-3

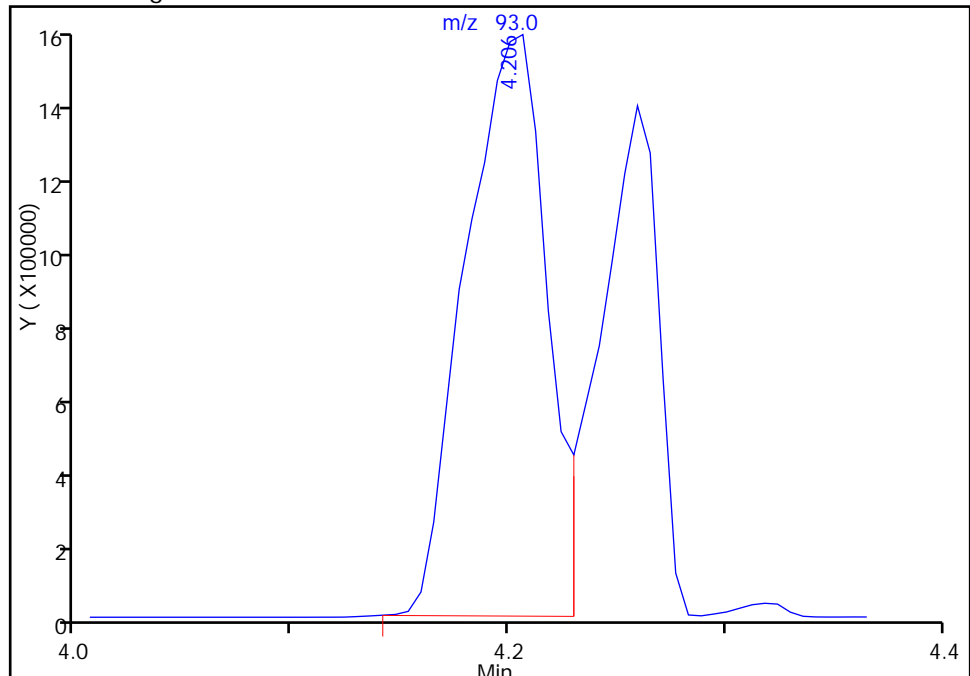
Not Detected
Expected RT: 4.18

Processing Integration Results



RT: 4.21
Area: 4182159
Amount: 107.0446
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 11-Apr-2016 15:22:20
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12693.D

Injection Date: 11-Apr-2016 14:11:30

Instrument ID: CBNAMS5

Lims ID: std120

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

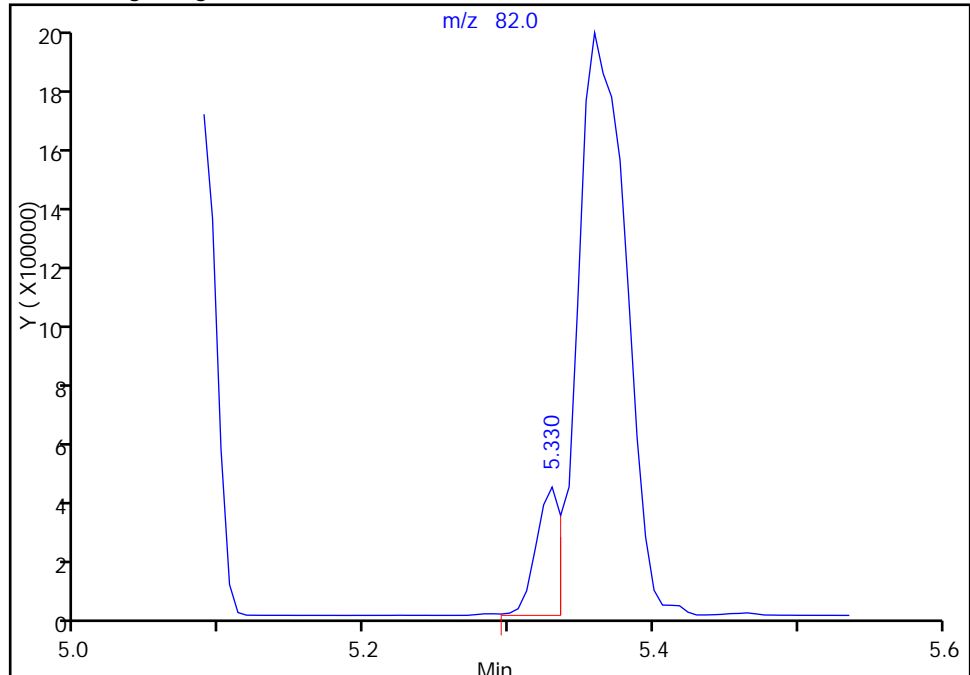
Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

31 Isophorone, CAS: 78-59-1

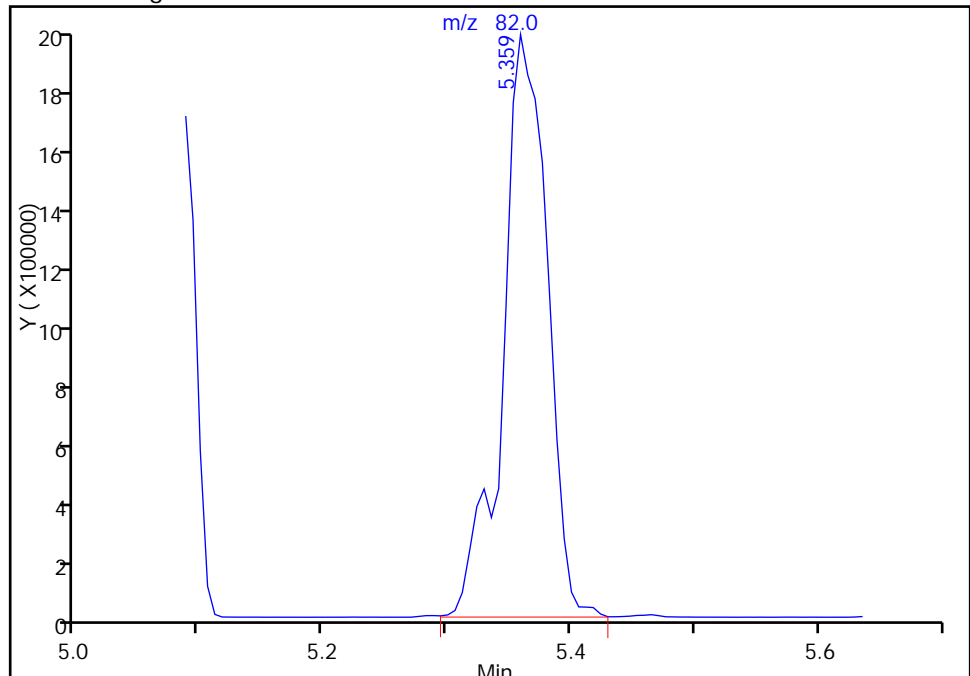
RT: 5.33
Area: 508849
Amount: 35.398726
Amount Units: ug/ml

Processing Integration Results



RT: 5.36
Area: 4771623
Amount: 111.0650
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 11-Apr-2016 15:24:02

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Edison

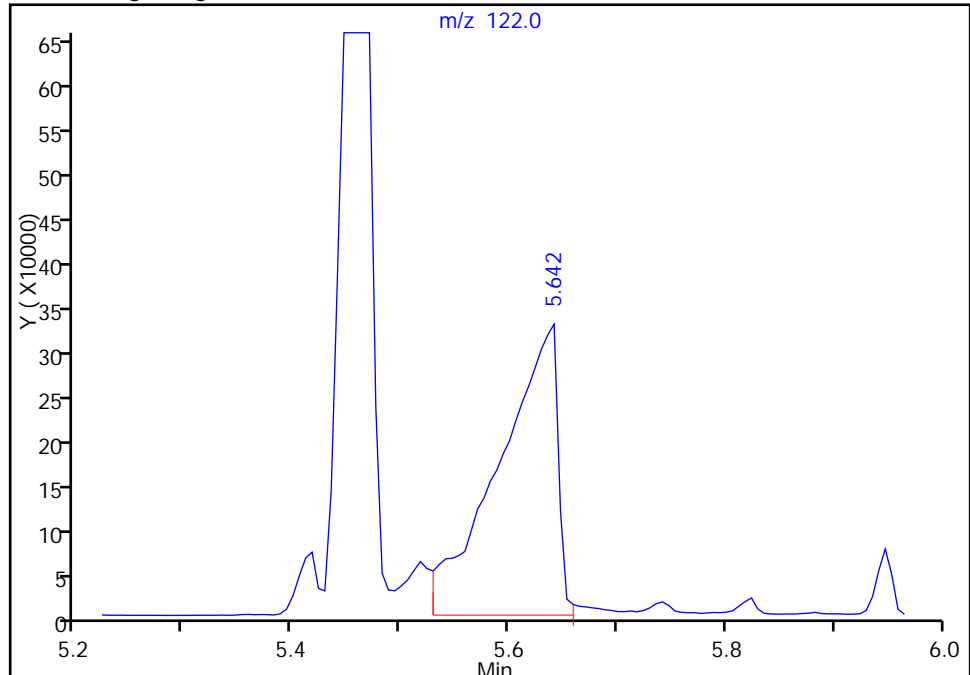
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Lims ID: std120
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 3 Worklist Smp#: 3
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL
Detector MS SCAN

35 Benzoic acid, CAS: 65-85-0

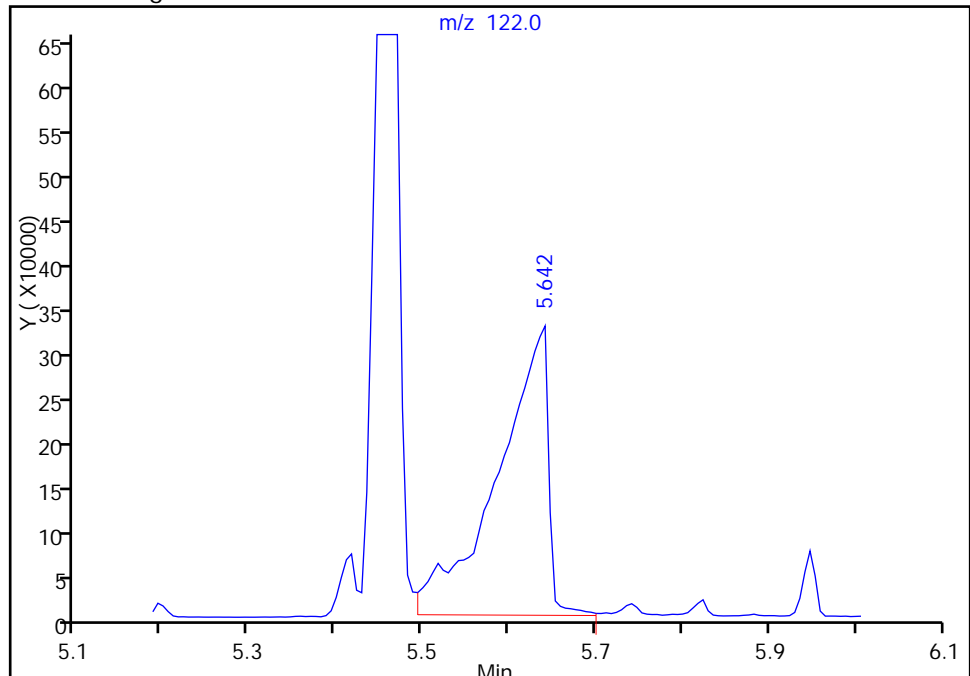
RT: 5.64
Area: 1235841
Amount: 119.5482
Amount Units: ug/ml

Processing Integration Results



RT: 5.64
Area: 1320500
Amount: 131.4143
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 11-Apr-2016 15:24:02
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12694.D
 Lims ID: std80
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 11-Apr-2016 14:35:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-004
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:58:51 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:25:41

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	1.818	1.818	0.000	96	879976	80.0	75.0	
2 N-Nitrosodimethylamine	74	2.059	2.053	0.006	65	1221429	80.0	75.0	
3 Pyridine	79	2.083	2.089	-0.006	80	2084539	80.0	74.4	
\$ 4 2-Fluorophenol	112	3.224	3.218	0.006	94	2263985	80.0	67.7	
\$ 6 Phenol-d5	99	4.153	4.142	0.011	93	2518752	80.0	66.0	
7 Phenol	94	4.165	4.159	0.006	97	2526326	80.0	69.8	
8 Aniline	93	4.195	4.183	0.012	98	3209371	80.0	73.2	
9 Bis(2-chloroethyl)ether	93	4.253	4.247	0.006	95	1836092	80.0	63.3	
10 Benzonitrile	103	4.283	4.277	0.006	66	3845303	NC	NC	
11 2-Chlorophenol	128	4.312	4.306	0.006	95	2232517	80.0	71.3	
12 n-Decane	43	4.359	4.353	0.006	88	2468567	80.0	61.9	
13 1,3-Dichlorobenzene	146	4.459	4.459	0.000	95	2846042	80.0	71.7	
* 14 1,4-Dichlorobenzene-d4	152	4.512	4.512	0.000	96	921248	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.530	4.530	0.000	94	2797352	80.0	71.8	
16 Benzyl alcohol	108	4.659	4.647	0.012	91	1465861	80.0	75.3	
17 1,2-Dichlorobenzene	146	4.683	4.683	0.000	96	2607051	80.0	70.3	
18 2-Methylphenol	108	4.765	4.759	0.006	88	1914693	80.0	69.9	
19 2,2'-oxybis[1-chloropropan	45	4.789	4.783	0.006	88	2873480	80.0	78.3	
20 N-Methylaniline	106	4.912	4.906	0.006	86	2932088	NC	NC	
24 4-Methylphenol	108	4.930	4.918	0.012	81	1898946	80.0	70.6	
21 Acetophenone	105	4.930	4.918	0.012	97	2363210	80.0	70.4	
23 3 & 4 Methylphenol	108	4.930	4.918	0.012	82	1898946	80.0	70.6	
22 N-Nitrosodi-n-propylamine	70	4.953	4.924	0.029	94	1249429	80.0	65.0	
25 Hexachloroethane	117	5.024	5.024	0.000	85	916252	80.0	65.1	
\$ 26 Nitrobenzene-d5	82	5.077	5.071	0.006	94	2208112	80.0	68.9	
28 Nitrobenzene	77	5.100	5.094	0.006	81	2585398	80.0	63.6	
27 n,n'-Dimethylaniline	120	5.100	5.094	0.006	88	2952113	80.0	62.2	
31 Isophorone	82	5.347	5.336	0.011	97	3512886	80.0	71.0	
32 2-Nitrophenol	139	5.412	5.406	0.006	86	1165394	80.0	76.1	
33 2,4-Dimethylphenol	122	5.459	5.447	0.012	89	1793068	80.0	71.2	
34 Bis(2-chloroethoxy)methane	93	5.547	5.541	0.006	97	1836998	80.0	69.4	

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	5.612	5.577	0.035	92	908566	80.0	79.4	
36 2,4-Dichlorophenol	162	5.653	5.647	0.006	94	1905068	80.0	72.9	
37 1,2,4-Trichlorobenzene	180	5.736	5.736	0.000	93	2252128	80.0	70.7	
* 38 Naphthalene-d8	136	5.794	5.794	0.000	100	3049638	40.0	40.0	
39 Naphthalene	128	5.818	5.812	0.006	99	5673719	80.0	70.5	
40 4-Chloroaniline	127	5.871	5.865	0.006	97	2143536	80.0	69.6	
41 Hexachlorobutadiene	225	5.947	5.941	0.006	98	1707721	80.0	78.6	
43 4-Chloro-3-methylphenol	107	6.347	6.347	0.000	96	1457266	80.0	70.9	
44 2-Methylnaphthalene	142	6.506	6.506	0.000	85	3937243	80.0	70.8	
45 1-Methylnaphthalene	142	6.606	6.606	0.000	93	3346387	80.0	70.1	
46 Hexachlorocyclopentadiene	237	6.677	6.671	0.006	98	1895029	80.0	86.1	
47 1,2,4,5-Tetrachlorobenzene	216	6.683	6.677	0.006	99	2344261	80.0	80.1	
48 2-tertbutyl-4-methylphenol	149	6.706	6.700	0.006	91	2492231	80.0	68.4	
49 2,4,6-Trichlorophenol	196	6.789	6.788	0.001	92	1293751	80.0	79.7	
50 2,4,5-Trichlorophenol	196	6.824	6.818	0.006	96	1256464	80.0	76.3	
\$ 51 2-Fluorobiphenyl	172	6.877	6.871	0.006	98	4592109	80.0	72.0	
52 1,1'-Biphenyl	154	6.977	6.971	0.006	93	4564730	80.0	72.5	
53 2-Chloronaphthalene	162	6.994	6.994	0.000	98	3471950	80.0	73.2	
54 Phenyl ether	170	7.077	7.077	0.000	84	2455870	80.0	71.5	
56 2-Nitroaniline	65	7.094	7.088	0.006	96	1063241	80.0	73.7	
57 1,3-Dimethylnaphthalene	156	7.212	7.212	0.000	94	2606721	80.0	67.7	
58 Dimethyl phthalate	163	7.283	7.277	0.006	99	3217811	80.0	73.3	
59 Coumarin	146	7.306	7.300	0.006	72	908735	80.0	67.7	
60 2,6-Dinitrotoluene	165	7.336	7.330	0.006	94	739232	80.0	75.3	
61 Acenaphthylene	152	7.406	7.406	0.000	97	4717729	80.0	71.7	
64 3-Nitroaniline	138	7.506	7.500	0.006	93	741443	80.0	75.5	
* 65 Acenaphthene-d10	164	7.547	7.541	0.006	90	1504584	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.571	7.565	0.006	95	4207121	80.0	77.1	
67 Acenaphthene	154	7.583	7.577	0.006	92	3042842	80.0	69.7	
68 2,4-Dinitrophenol	184	7.606	7.600	0.006	95	807487	160.0	162.8	
69 4-Nitrophenol	65	7.671	7.659	0.012	87	922102	160.0	158.8	
70 2,4-Dinitrotoluene	165	7.736	7.730	0.006	97	856474	80.0	77.8	
71 Dibenzofuran	168	7.753	7.747	0.006	95	4537380	80.0	72.7	
72 2,3,4,6-Tetrachlorophenol	232	7.871	7.865	0.006	99	1038720	80.0	82.0	
73 Diethyl phthalate	149	7.977	7.971	0.006	99	2724515	80.0	71.7	
74 4-Chlorophenyl phenyl ethe	204	8.083	8.082	0.001	94	1955204	80.0	76.2	
75 Fluorene	166	8.088	8.082	0.006	95	3300045	80.0	73.4	
76 4-Nitroaniline	138	8.118	8.106	0.012	85	607712	80.0	77.9	
77 4,6-Dinitro-2-methylphenol	198	8.141	8.135	0.006	92	1016853	160.0	166.5	
78 N-Nitrosodiphenylamine	169	8.206	8.200	0.006	66	4578634	160.0	145.9	
79 1,2-Diphenylhydrazine	77	8.241	8.241	0.000	95	2536266	80.0	71.9	
\$ 80 2,4,6-Tribromophenol	330	8.324	8.324	0.000	88	1046583	80.0	84.4	
81 4-Bromophenyl phenyl ether	248	8.565	8.565	0.000	95	1295823	80.0	82.4	
83 Hexachlorobenzene	284	8.635	8.635	0.000	92	1667896	80.0	88.7	
85 Pentachlorophenol	266	8.824	8.824	0.000	96	1694044	160.0	192.2	
86 Pentachloronitrobenzene	237	8.841	8.841	0.000	94	445352	80.0	74.7	
87 n-Octadecane	57	8.900	8.900	0.000	96	1749400	80.0	69.8	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	1976095	40.0	40.0	
89 Phenanthrene	178	9.035	9.029	0.006	96	4163618	80.0	75.3	
90 Anthracene	178	9.083	9.082	0.000	99	4185156	80.0	75.0	
91 Carbazole	167	9.235	9.235	0.000	96	3060163	80.0	74.4	
92 Di-n-butyl phthalate	149	9.577	9.576	0.001	100	3598146	80.0	75.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.206	10.206	0.000	99	3778376	80.0	78.9	
94 Benzidine	184	10.329	10.329	0.000	99	1696183	80.0	95.6	
95 Pyrene	202	10.435	10.435	0.000	98	3737075	80.0	75.7	
82 Bisphenol-A	213	10.471	10.471	0.000	98	1208780	80.0	80.1	
\$ 96 Terphenyl-d14	244	10.594	10.594	0.000	98	3074415	80.0	77.4	
97 Butyl benzyl phthalate	149	11.129	11.129	0.000	96	1163075	80.0	77.6	
99 Carbamazepine	193	11.259	11.259	0.000	91	1028006	80.0	79.8	
100 3,3'-Dichlorobenzidine	252	11.771	11.770	0.001	97	1188989	80.0	94.1	
101 Benzo[a]anthracene	228	11.806	11.806	0.000	96	2929145	80.0	79.0	
* 102 Chrysene-d12	240	11.818	11.818	0.000	98	1280807	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.841	11.841	0.000	89	1540491	80.0	78.6	
103 Chrysene	228	11.853	11.853	0.000	99	2638437	80.0	78.9	
105 Di-n-octyl phthalate	149	12.723	12.723	0.000	98	2469700	80.0	81.9	
106 Benzo[b]fluoranthene	252	13.253	13.253	0.000	97	2582982	80.0	84.4	
107 Benzo[k]fluoranthene	252	13.294	13.288	0.006	96	2687180	80.0	81.7	
108 Benzo[a]pyrene	252	13.706	13.706	0.000	98	2396509	80.0	87.1	
* 109 Perylene-d12	264	13.782	13.788	-0.006	98	1163599	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.388	15.382	0.006	95	2296660	80.0	98.0	
111 Dibenz(a,h)anthracene	278	15.429	15.423	0.006	99	2438898	80.0	94.7	
112 Benzo[g,h,i]perylene	276	15.847	15.835	0.012	95	2500992	80.0	86.7	
S 119 Total Cresols	1				0			140.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L7_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12694.D

Injection Date: 11-Apr-2016 14:35:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std80

Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul

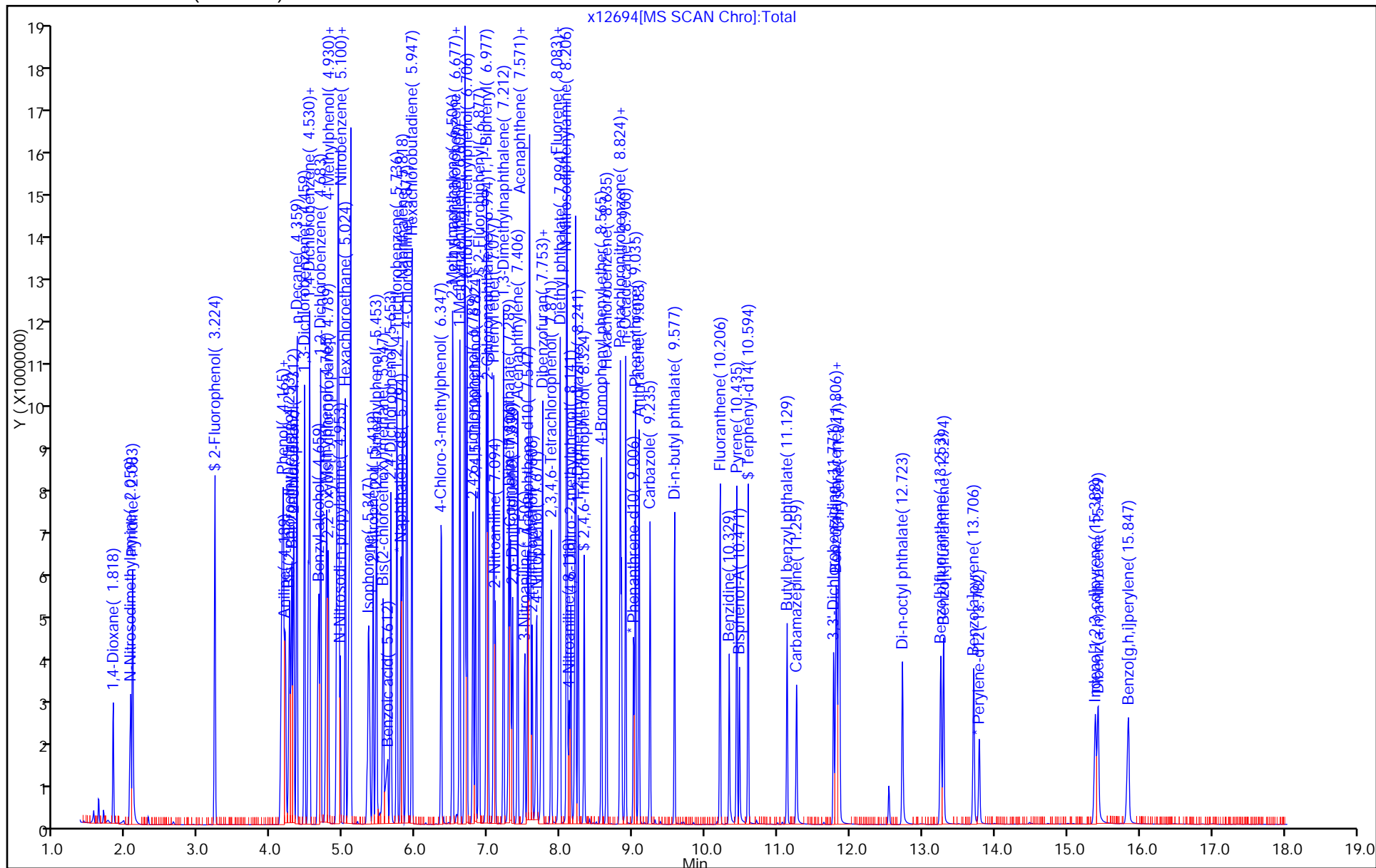
Dil. Factor: 1.0000

ALS Bottle#: 4

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\20160411-39723.b\12695.D
 Lims ID: std20
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 11-Apr-2016 15:00:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-005
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:58:56 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 15:26:54

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	1.824	1.818	0.006	97	281507	20.0	20.5	
2 N-Nitrosodimethylamine	74	2.054	2.053	0.001	69	394009	20.0	20.7	
3 Pyridine	79	2.089	2.089	0.000	80	676953	20.0	20.6	
\$ 4 2-Fluorophenol	112	3.218	3.218	0.000	95	737086	20.0	18.9	
\$ 6 Phenol-d5	99	4.130	4.142	-0.012	96	839037	20.0	18.8	
7 Phenol	94	4.142	4.159	-0.017	98	897059	20.0	21.2	
8 Aniline	93	4.177	4.183	-0.006	98	1069931	20.0	20.9	
9 Bis(2-chloroethyl)ether	93	4.236	4.247	-0.011	97	644615	20.0	19.0	
10 Benzonitrile	103	4.259	4.277	-0.018	67	1349476	NC	NC	
11 2-Chlorophenol	128	4.295	4.306	-0.011	94	777095	20.0	21.2	
12 n-Decane	43	4.348	4.353	-0.005	93	947896	20.0	20.3	
13 1,3-Dichlorobenzene	146	4.453	4.459	-0.006	96	967450	20.0	20.8	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.512	-0.006	97	1077555	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.524	4.530	-0.006	95	942113	20.0	20.7	
16 Benzyl alcohol	108	4.636	4.647	-0.011	92	459141	20.0	20.2	
17 1,2-Dichlorobenzene	146	4.677	4.683	-0.006	96	915786	20.0	21.1	
18 2-Methylphenol	108	4.748	4.759	-0.011	89	680233	20.0	21.2	
19 2,2'-oxybis[1-chloropropan	45	4.777	4.783	-0.006	93	1121820	20.0	21.2	
20 N-Methylaniline	106	4.900	4.906	-0.006	81	959280	NC	NC	
24 4-Methylphenol	108	4.906	4.918	-0.012	83	627633	20.0	20.0	
21 Acetophenone	105	4.912	4.918	-0.006	90	781284	20.0	19.9	
23 3 & 4 Methylphenol	108	4.906	4.918	-0.012	82	627633	20.0	20.0	
22 N-Nitrosodi-n-propylamine	70	4.912	4.924	-0.012	95	386520	20.0	17.2	
25 Hexachloroethane	117	5.018	5.024	-0.006	86	323478	20.0	19.7	
\$ 26 Nitrobenzene-d5	82	5.059	5.071	-0.012	93	731090	20.0	19.3	
28 Nitrobenzene	77	5.083	5.094	-0.011	90	903815	20.0	18.8	
27 n,n'-Dimethylaniline	120	5.083	5.094	-0.011	93	1025197	20.0	18.5	
31 Isophorone	82	5.318	5.336	-0.018	97	1146451	20.0	19.6	
32 2-Nitrophenol	139	5.400	5.406	-0.006	88	384349	20.0	21.3	
33 2,4-Dimethylphenol	122	5.442	5.447	-0.005	90	622030	20.0	20.9	
34 Bis(2-chloroethoxy)methane	93	5.536	5.541	-0.005	97	650562	20.0	20.8	

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	5.536	5.577	-0.041	34	254226	20.0	20.5	
36 2,4-Dichlorophenol	162	5.642	5.647	-0.005	95	655429	20.0	21.2	
37 1,2,4-Trichlorobenzene	180	5.730	5.736	-0.006	94	743151	20.0	19.7	
* 38 Naphthalene-d8	136	5.789	5.794	-0.005	99	3603527	40.0	40.0	
39 Naphthalene	128	5.806	5.812	-0.006	99	1978312	20.0	20.8	
40 4-Chloroaniline	127	5.859	5.865	-0.006	96	757089	20.0	20.8	
41 Hexachlorobutadiene	225	5.942	5.941	0.001	97	512474	20.0	20.0	
43 4-Chloro-3-methylphenol	107	6.342	6.347	-0.005	96	514373	20.0	21.2	
44 2-Methylnaphthalene	142	6.500	6.506	-0.006	86	1377584	20.0	21.0	
45 1-Methylnaphthalene	142	6.600	6.606	-0.006	93	1184928	20.0	21.0	
46 Hexachlorocyclopentadiene	237	6.665	6.671	-0.006	97	531221	20.0	19.6	
47 1,2,4,5-Tetrachlorobenzene	216	6.671	6.677	-0.006	98	699412	20.0	19.4	
48 2-tertbutyl-4-methylphenol	149	6.700	6.700	0.000	91	884210	20.0	20.5	
49 2,4,6-Trichlorophenol	196	6.783	6.788	-0.005	91	402739	20.0	20.2	
50 2,4,5-Trichlorophenol	196	6.812	6.818	-0.006	97	425757	20.0	21.0	
\$ 51 2-Fluorobiphenyl	172	6.865	6.871	-0.006	98	1453985	20.0	18.5	
52 1,1'-Biphenyl	154	6.965	6.971	-0.006	94	1592109	20.0	20.6	
53 2-Chloronaphthalene	162	6.989	6.994	-0.005	99	1218051	20.0	20.9	
54 Phenyl ether	170	7.071	7.077	-0.006	88	875805	20.0	20.7	
56 2-Nitroaniline	65	7.083	7.088	-0.005	97	369753	20.0	20.8	
57 1,3-Dimethylnaphthalene	156	7.206	7.212	-0.006	93	978027	20.0	20.6	
58 Dimethyl phthalate	163	7.271	7.277	-0.006	99	1123589	20.0	20.8	
59 Coumarin	146	7.289	7.300	-0.011	72	332906	20.0	21.0	
60 2,6-Dinitrotoluene	165	7.324	7.330	-0.006	95	253304	20.0	21.0	
61 Acenaphthylene	152	7.400	7.406	-0.006	97	1667739	20.0	20.6	
64 3-Nitroaniline	138	7.489	7.500	-0.011	94	249750	20.0	20.7	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	1852067	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.559	7.565	-0.006	95	1331036	20.0	19.8	
67 Acenaphthene	154	7.571	7.577	-0.006	92	1161202	20.0	21.6	
68 2,4-Dinitrophenol	184	7.589	7.600	-0.011	54	215846	40.0	42.2	
69 4-Nitrophenol	65	7.647	7.659	-0.012	89	290949	40.0	40.7	
70 2,4-Dinitrotoluene	165	7.718	7.730	-0.012	97	295135	20.0	21.8	
71 Dibenzofuran	168	7.741	7.747	-0.006	95	1600284	20.0	20.8	
72 2,3,4,6-Tetrachlorophenol	232	7.859	7.865	-0.006	97	321704	20.0	20.6	
73 Diethyl phthalate	149	7.965	7.971	-0.006	99	984864	20.0	21.1	
74 4-Chlorophenyl phenyl ethe	204	8.077	8.082	-0.005	92	631864	20.0	20.0	
75 Fluorene	166	8.083	8.082	0.001	95	1111594	20.0	20.1	
76 4-Nitroaniline	138	8.094	8.106	-0.012	86	198429	20.0	20.7	
77 4,6-Dinitro-2-methylphenol	198	8.124	8.135	-0.011	91	291596	40.0	39.6	
78 N-Nitrosodiphenylamine	169	8.194	8.200	-0.006	67	1575757	40.0	39.8	
79 1,2-Diphenylhydrazine	77	8.236	8.241	-0.005	96	935237	20.0	21.0	
\$ 80 2,4,6-Tribromophenol	330	8.318	8.324	-0.006	90	275573	20.0	18.1	
81 4-Bromophenyl phenyl ether	248	8.559	8.565	-0.006	93	396929	20.0	20.0	
83 Hexachlorobenzene	284	8.630	8.635	-0.005	93	484511	20.0	20.4	
85 Pentachlorophenol	266	8.818	8.824	-0.006	96	471525	40.0	42.4	
86 Pentachloronitrobenzene	237	8.836	8.841	-0.005	92	158223	20.0	21.0	
87 n-Octadecane	57	8.894	8.900	-0.006	98	666820	20.0	21.1	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	98	2494710	40.0	40.0	
89 Phenanthrene	178	9.030	9.029	0.001	96	1445948	20.0	20.7	
90 Anthracene	178	9.077	9.082	-0.005	99	1440619	20.0	20.5	
91 Carbazole	167	9.230	9.235	-0.005	96	1075243	20.0	20.7	
92 Di-n-butyl phthalate	149	9.571	9.576	-0.005	100	1234698	20.0	20.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.200	10.206	-0.006	99	1209493	20.0	20.0	
94 Benzidine	184	10.324	10.329	-0.005	99	384590	20.0	17.2	
95 Pyrene	202	10.430	10.435	-0.005	99	1212125	20.0	20.9	
82 Bisphenol-A	213	10.471	10.471	0.000	98	251602	20.0	18.3	
\$ 96 Terphenyl-d14	244	10.588	10.594	-0.006	98	895741	20.0	19.2	
97 Butyl benzyl phthalate	149	11.124	11.129	-0.005	96	369257	20.0	21.0	
99 Carbamazepine	193	11.253	11.259	-0.006	91	258986	20.0	18.8	
100 3,3'-Dichlorobenzidine	252	11.765	11.770	-0.005	98	296363	20.0	20.0	
101 Benzo[a]anthracene	228	11.800	11.806	-0.006	96	850805	20.0	19.5	
* 102 Chrysene-d12	240	11.818	11.818	0.000	98	1504713	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.841	11.841	0.000	89	477152	20.0	20.7	
103 Chrysene	228	11.847	11.853	-0.006	99	794672	20.0	20.2	
105 Di-n-octyl phthalate	149	12.723	12.723	0.000	97	666411	20.0	21.2	
106 Benzo[b]fluoranthene	252	13.247	13.253	-0.006	97	664374	20.0	20.8	
107 Benzo[k]fluoranthene	252	13.282	13.288	-0.006	97	711366	20.0	20.7	
108 Benzo[a]pyrene	252	13.700	13.706	-0.006	98	607541	20.0	21.1	
* 109 Perylene-d12	264	13.782	13.788	-0.006	99	1215741	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.376	15.382	-0.006	96	522797	20.0	21.3	
111 Dibenz(a,h)anthracene	278	15.417	15.423	-0.006	99	576822	20.0	21.4	
112 Benzo[g,h,i]perylene	276	15.823	15.835	-0.012	95	585921	20.0	19.4	
S 119 Total Cresols	1				0			41.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L5_00010

Amount Added: 1.00

Units: mL

Operator ID:

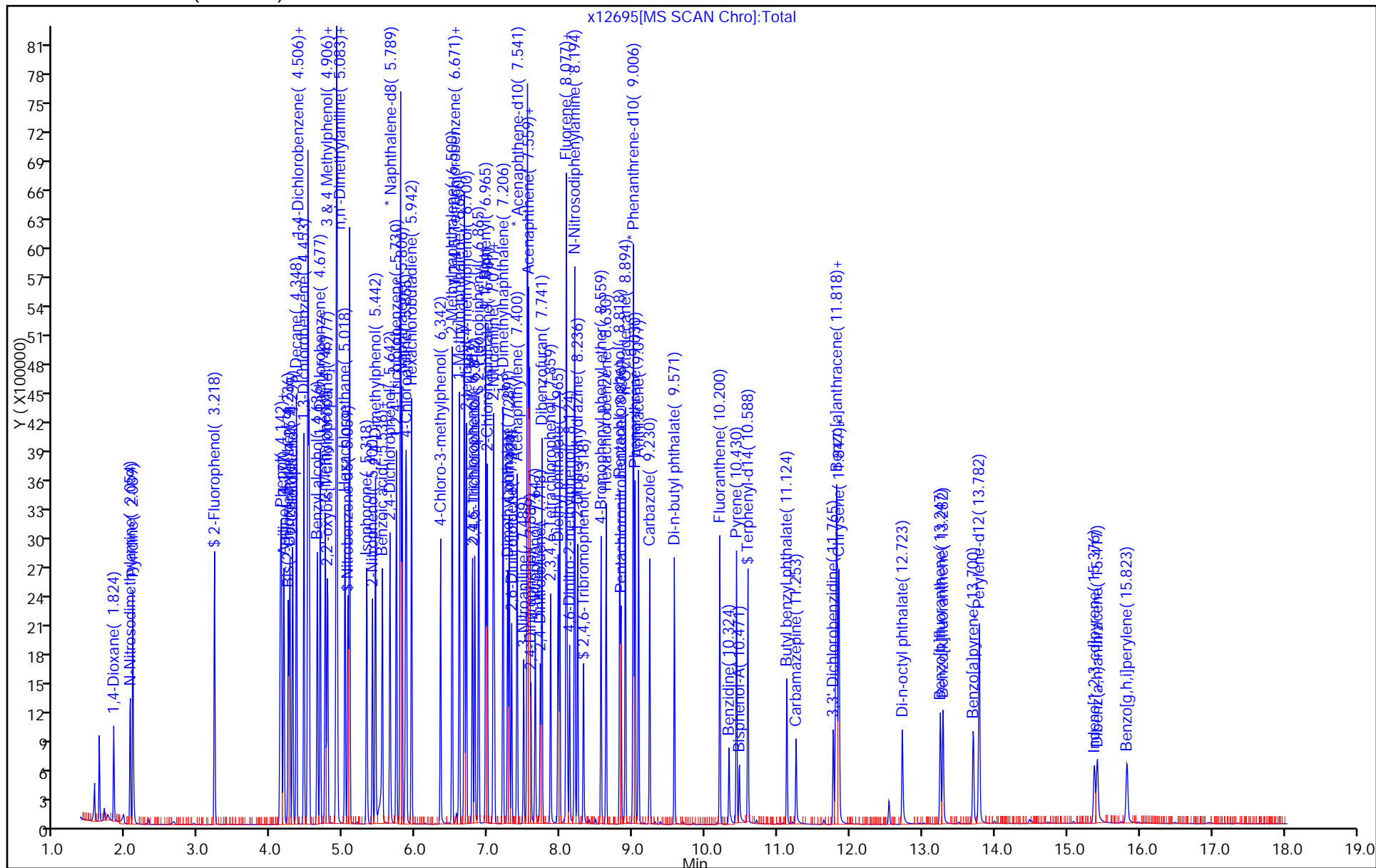
Worklist Smp#: 5

Client ID:

ALS Bottle#: 5

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12696.D
 Lims ID: std10
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 11-Apr-2016 15:24:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-006
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:00 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 17:04:44

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	1.830	1.818	0.012	97	151836	10.0	10.7	
2 N-Nitrosodimethylamine	74	2.053	2.053	0.000	68	211795	10.0	10.8	
3 Pyridine	79	2.089	2.089	0.000	80	368378	10.0	10.9	
\$ 4 2-Fluorophenol	112	3.218	3.218	0.000	95	416996	10.0	10.3	
\$ 6 Phenol-d5	99	4.124	4.142	-0.018	93	484752	10.0	10.5	
7 Phenol	94	4.136	4.159	-0.023	98	498095	10.0	11.4	
8 Aniline	93	4.171	4.183	-0.012	98	586615	10.0	11.1	
9 Bis(2-chloroethyl)ether	93	4.230	4.247	-0.017	97	360911	10.0	10.3	
10 Benzonitrile	103	4.253	4.277	-0.024	67	732878	NC	NC	
11 2-Chlorophenol	128	4.294	4.306	-0.012	95	432333	10.0	11.4	
12 n-Decane	43	4.347	4.353	-0.006	93	565465	10.0	11.8	
13 1,3-Dichlorobenzene	146	4.453	4.459	-0.006	95	529184	10.0	11.1	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.512	-0.006	97	1110533	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.524	4.530	-0.006	96	517587	10.0	11.0	
16 Benzyl alcohol	108	4.636	4.647	-0.011	92	256439	10.0	10.9	
17 1,2-Dichlorobenzene	146	4.677	4.683	-0.006	96	502043	10.0	11.2	
18 2-Methylphenol	108	4.747	4.759	-0.012	87	372616	10.0	11.3	
19 2,2'-oxybis[1-chloropropan	45	4.777	4.783	-0.006	91	641874	10.0	10.3	
20 N-Methylaniline	106	4.894	4.906	-0.012	79	535444	NC	NC	
24 4-Methylphenol	108	4.900	4.918	-0.018	82	362574	10.0	11.2	
21 Acetophenone	105	4.906	4.918	-0.012	86	453023	10.0	11.2	
23 3 & 4 Methylphenol	108	4.900	4.918	-0.018	82	362574	10.0	11.2	
22 N-Nitrosodi-n-propylamine	70	4.906	4.924	-0.018	95	229575	10.0	9.90	
25 Hexachloroethane	117	5.018	5.024	-0.006	88	182159	10.0	10.7	
\$ 26 Nitrobenzene-d5	82	5.059	5.071	-0.012	92	417628	10.0	10.6	
28 Nitrobenzene	77	5.077	5.094	-0.017	91	514923	10.0	10.3	
27 n,n'-Dimethylaniline	120	5.083	5.094	-0.011	92	585175	10.0	10.2	
31 Isophorone	82	5.318	5.336	-0.018	98	649869	10.0	10.7	
32 2-Nitrophenol	139	5.400	5.406	-0.006	88	200947	10.0	10.7	
33 2,4-Dimethylphenol	122	5.436	5.447	-0.011	90	347908	10.0	11.3	
34 Bis(2-chloroethoxy)methane	93	5.536	5.541	-0.005	97	366953	10.0	11.3	

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	5.506	5.577	-0.071	93	108131	10.0	9.71	
36 2,4-Dichlorophenol	162	5.641	5.647	-0.006	95	347879	10.0	10.9	
37 1,2,4-Trichlorobenzene	180	5.730	5.736	-0.006	94	400283	10.0	10.2	
* 38 Naphthalene-d8	136	5.788	5.794	-0.006	99	3737923	40.0	40.0	
39 Naphthalene	128	5.806	5.812	-0.006	99	1103206	10.0	11.2	
40 4-Chloroaniline	127	5.859	5.865	-0.006	96	434409	10.0	11.5	
41 Hexachlorobutadiene	225	5.941	5.941	0.000	97	265641	10.0	9.98	
43 4-Chloro-3-methylphenol	107	6.341	6.347	-0.006	97	281933	10.0	11.2	
44 2-Methylnaphthalene	142	6.500	6.506	-0.006	85	753034	10.0	11.1	
45 1-Methylnaphthalene	142	6.600	6.606	-0.006	93	652900	10.0	11.2	
46 Hexachlorocyclopentadiene	237	6.665	6.671	-0.006	98	264247	10.0	9.19	
47 1,2,4,5-Tetrachlorobenzene	216	6.671	6.677	-0.006	98	382398	10.0	10.0	
48 2-tertbutyl-4-methylphenol	149	6.694	6.700	-0.006	91	492130	10.0	11.0	
49 2,4,6-Trichlorophenol	196	6.777	6.788	-0.011	91	214072	10.0	10.1	
50 2,4,5-Trichlorophenol	196	6.812	6.818	-0.006	96	225942	10.0	10.5	
\$ 51 2-Fluorobiphenyl	172	6.865	6.871	-0.006	98	850602	10.0	10.2	
52 1,1'-Biphenyl	154	6.965	6.971	-0.006	93	901199	10.0	11.0	
53 2-Chloronaphthalene	162	6.982	6.994	-0.012	98	667635	10.0	10.8	
54 Phenyl ether	170	7.071	7.077	-0.006	88	469479	10.0	10.5	
56 2-Nitroaniline	65	7.082	7.088	-0.006	98	203744	10.0	10.8	
57 1,3-Dimethylnaphthalene	156	7.200	7.212	-0.012	93	547320	10.0	10.9	
58 Dimethyl phthalate	163	7.265	7.277	-0.012	100	626358	10.0	10.9	
59 Coumarin	146	7.288	7.300	-0.012	73	184227	10.0	11.2	
60 2,6-Dinitrotoluene	165	7.318	7.330	-0.012	95	139059	10.0	10.8	
61 Acenaphthylene	152	7.394	7.406	-0.012	98	944107	10.0	11.0	
64 3-Nitroaniline	138	7.488	7.500	-0.012	94	137079	10.0	10.7	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	90	1965875	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.559	7.565	-0.006	95	691664	10.0	9.70	
67 Acenaphthene	154	7.571	7.577	-0.006	92	644564	10.0	11.3	
68 2,4-Dinitrophenol	184	7.588	7.600	-0.012	41	96238	20.0	19.9	
69 4-Nitrophenol	65	7.647	7.659	-0.012	90	160556	20.0	21.2	
70 2,4-Dinitrotoluene	165	7.718	7.730	-0.012	96	162553	10.0	11.3	
71 Dibenzofuran	168	7.741	7.747	-0.006	95	897381	10.0	11.0	
72 2,3,4,6-Tetrachlorophenol	232	7.859	7.865	-0.006	96	164807	10.0	9.95	
73 Diethyl phthalate	149	7.959	7.971	-0.012	99	552392	10.0	11.1	
74 4-Chlorophenyl phenyl ethe	204	8.077	8.082	-0.006	87	353016	10.0	10.5	
75 Fluorene	166	8.077	8.082	-0.006	94	640467	10.0	10.9	
76 4-Nitroaniline	138	8.088	8.106	-0.018	86	108199	10.0	10.6	
77 4,6-Dinitro-2-methylphenol	198	8.118	8.135	-0.017	91	145036	20.0	19.4	
78 N-Nitrosodiphenylamine	169	8.188	8.200	-0.012	67	898072	20.0	20.9	
79 1,2-Diphenylhydrazine	77	8.229	8.241	-0.012	98	537501	10.0	11.1	
\$ 80 2,4,6-Tribromophenol	330	8.318	8.324	-0.006	90	149656	10.0	9.24	
81 4-Bromophenyl phenyl ether	248	8.559	8.565	-0.006	93	206110	10.0	9.58	
83 Hexachlorobenzene	284	8.629	8.635	-0.006	94	250362	10.0	9.73	
85 Pentachlorophenol	266	8.818	8.824	-0.006	95	238105	20.0	19.7	
86 Pentachloronitrobenzene	237	8.835	8.841	-0.006	91	81358	10.0	9.97	
87 n-Octadecane	57	8.894	8.900	-0.006	98	387520	10.0	11.3	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	2704719	40.0	40.0	
89 Phenanthrene	178	9.029	9.029	0.000	96	799104	10.0	10.6	
90 Anthracene	178	9.076	9.082	-0.006	99	813281	10.0	10.7	
91 Carbazole	167	9.229	9.235	-0.006	96	611177	10.0	10.9	
92 Di-n-butyl phthalate	149	9.571	9.576	-0.005	100	692537	10.0	10.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.200	10.206	-0.006	99	669753	10.0	10.2	
94 Benzidine	184	10.323	10.329	-0.006	99	200554	10.0	8.26	
95 Pyrene	202	10.429	10.435	-0.006	98	652635	10.0	10.5	
82 Bisphenol-A	213	10.470	10.471	-0.001	98	116812	10.0	10.0	
\$ 96 Terphenyl-d14	244	10.588	10.594	-0.006	98	499443	10.0	10.0	
97 Butyl benzyl phthalate	149	11.123	11.129	-0.006	97	196419	10.0	10.4	
99 Carbamazepine	193	11.253	11.259	-0.006	93	122570	10.0	9.57	
100 3,3'-Dichlorobenzidine	252	11.765	11.770	-0.006	98	148618	10.0	9.36	
101 Benzo[a]anthracene	228	11.800	11.806	-0.006	96	456765	10.0	9.81	
* 102 Chrysene-d12	240	11.817	11.818	-0.001	98	1608341	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.841	11.841	0.000	89	253670	10.0	10.3	
103 Chrysene	228	11.847	11.853	-0.006	100	423922	10.0	10.1	
105 Di-n-octyl phthalate	149	12.723	12.723	0.000	98	324696	10.0	9.87	
106 Benzo[b]fluoranthene	252	13.247	13.253	-0.006	97	344158	10.0	10.3	
107 Benzo[k]fluoranthene	252	13.282	13.288	-0.006	97	356784	10.0	9.93	
108 Benzo[a]pyrene	252	13.700	13.706	-0.006	98	305451	10.0	10.2	
* 109 Perylene-d12	264	13.782	13.788	-0.006	98	1270182	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.370	15.382	-0.012	96	265853	10.0	10.4	
111 Dibenz(a,h)anthracene	278	15.411	15.423	-0.012	96	280679	10.0	9.98	
112 Benzo[g,h,i]perylene	276	15.823	15.835	-0.012	95	285369	10.0	9.06	
S 119 Total Cresols	1				0			22.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L4_00010

Amount Added: 1.00

Units: mL

Operator ID:

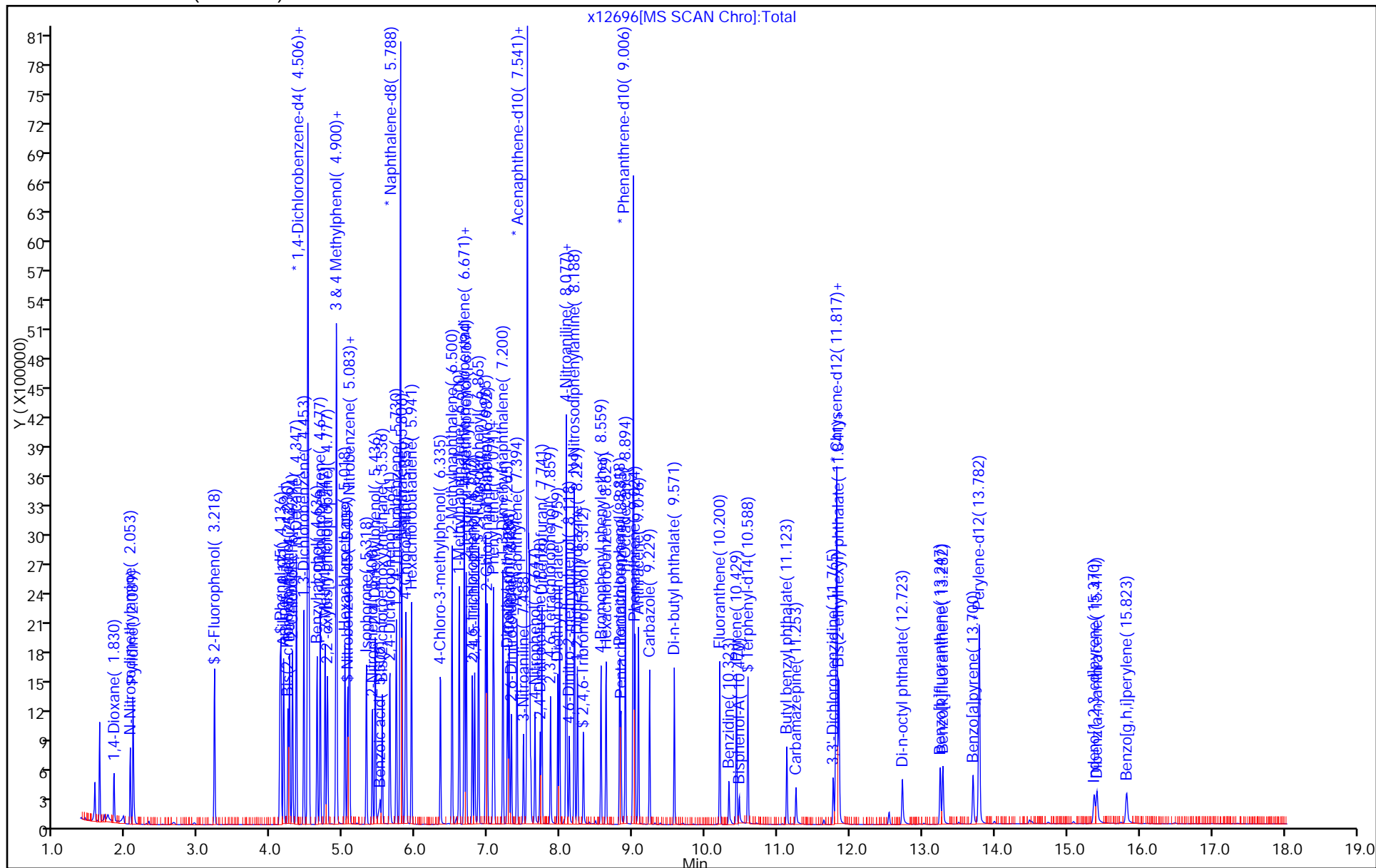
Worklist Smp#: 6

Client ID:

ALS Bottle#: 6

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12697.D
 Lims ID: std5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 11-Apr-2016 15:48:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-007
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:05 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 18:08:19

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	1.830	1.818	0.012	97	75817	5.00	5.15	
2 N-Nitrosodimethylamine	74	2.053	2.053	0.000	68	107028	5.00	5.24	
3 Pyridine	79	2.095	2.089	0.006	80	184751	5.00	5.26	
\$ 4 2-Fluorophenol	112	3.218	3.218	0.000	95	226716	5.00	5.41	
\$ 6 Phenol-d5	99	4.118	4.142	-0.024	87	266878	5.00	5.58	
7 Phenol	94	4.130	4.159	-0.029	98	256765	5.00	5.66	
8 Aniline	93	4.171	4.183	-0.012	99	300139	5.00	5.46	
9 Bis(2-chloroethyl)ether	93	4.230	4.247	-0.017	96	188793	5.00	5.19	
10 Benzonitrile	103	4.247	4.277	-0.030	67	394868	NC	NC	
11 2-Chlorophenol	128	4.294	4.306	-0.012	95	217132	5.00	5.53	
12 n-Decane	43	4.347	4.353	-0.006	95	301529	5.00	6.04	
13 1,3-Dichlorobenzene	146	4.453	4.459	-0.006	96	273002	5.00	5.49	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.512	-0.006	96	1155060	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.524	4.530	-0.006	96	269188	5.00	5.51	
16 Benzyl alcohol	108	4.630	4.647	-0.017	92	132815	5.00	5.44	
17 1,2-Dichlorobenzene	146	4.677	4.683	-0.006	96	259479	5.00	5.58	
18 2-Methylphenol	108	4.742	4.759	-0.017	88	196664	5.00	5.73	
19 2,2'-oxybis[1-chloropropan	45	4.777	4.783	-0.006	91	338124	5.00	3.86	
20 N-Methylaniline	106	4.894	4.906	-0.012	81	301973	NC	NC	
24 4-Methylphenol	108	4.894	4.918	-0.024	84	201493	5.00	5.98	
21 Acetophenone	105	4.900	4.918	-0.018	88	250551	5.00	5.96	
23 3 & 4 Methylphenol	108	4.894	4.918	-0.024	81	201493	5.00	5.98	
22 N-Nitrosodi-n-propylamine	70	4.900	4.924	-0.024	95	126504	5.00	5.25	
25 Hexachloroethane	117	5.018	5.024	-0.006	89	93909	5.00	5.32	
\$ 26 Nitrobenzene-d5	82	5.053	5.071	-0.018	93	228451	5.00	5.54	
28 Nitrobenzene	77	5.077	5.094	-0.017	91	281499	5.00	5.38	
27 n,n'-Dimethylaniline	120	5.083	5.094	-0.011	93	324088	5.00	5.45	
31 Isophorone	82	5.312	5.336	-0.024	98	336933	5.00	5.29	
32 2-Nitrophenol	139	5.400	5.406	-0.006	92	101546	5.00	5.15	
33 2,4-Dimethylphenol	122	5.436	5.447	-0.011	91	178651	5.00	5.51	
34 Bis(2-chloroethoxy)methane	93	5.536	5.541	-0.005	99	197192	5.00	5.79	

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	5.489	5.577	-0.088	93	43251	5.00	5.07	
36 2,4-Dichlorophenol	162	5.636	5.647	-0.011	95	171551	5.00	5.10	
37 1,2,4-Trichlorobenzene	180	5.730	5.736	-0.006	94	209486	5.00	5.11	
* 38 Naphthalene-d8	136	5.789	5.794	-0.005	99	3924952	40.0	40.0	
39 Naphthalene	128	5.806	5.812	-0.006	99	575646	5.00	5.56	
40 4-Chloroaniline	127	5.853	5.865	-0.012	96	223634	5.00	5.64	
41 Hexachlorobutadiene	225	5.941	5.941	0.000	96	135378	5.00	4.84	
43 4-Chloro-3-methylphenol	107	6.336	6.347	-0.011	97	144676	5.00	5.47	
44 2-Methylnaphthalene	142	6.500	6.506	-0.006	86	403681	5.00	5.64	
45 1-Methylnaphthalene	142	6.600	6.606	-0.006	93	344604	5.00	5.61	
46 Hexachlorocyclopentadiene	237	6.665	6.671	-0.006	97	121020	5.00	3.97	
47 1,2,4,5-Tetrachlorobenzene	216	6.671	6.677	-0.006	98	194362	5.00	4.79	
48 2-tertbutyl-4-methylphenol	149	6.694	6.700	-0.006	91	271760	5.00	5.80	
49 2,4,6-Trichlorophenol	196	6.777	6.788	-0.011	91	110611	5.00	4.91	
50 2,4,5-Trichlorophenol	196	6.812	6.818	-0.006	97	113287	5.00	4.96	
\$ 51 2-Fluorobiphenyl	172	6.865	6.871	-0.006	98	469398	5.00	5.30	
52 1,1'-Biphenyl	154	6.965	6.971	-0.006	94	469081	5.00	5.37	
53 2-Chloronaphthalene	162	6.983	6.994	-0.011	98	349274	5.00	5.31	
54 Phenyl ether	170	7.071	7.077	-0.006	87	255363	5.00	5.36	
56 2-Nitroaniline	65	7.077	7.088	-0.011	97	102616	5.00	5.13	
57 1,3-Dimethylnaphthalene	156	7.200	7.212	-0.012	94	305143	5.00	5.71	
58 Dimethyl phthalate	163	7.265	7.277	-0.012	100	325385	5.00	5.35	
59 Coumarin	146	7.283	7.300	-0.017	78	100750	5.00	5.83	
60 2,6-Dinitrotoluene	165	7.318	7.330	-0.012	94	69910	5.00	5.14	
61 Acenaphthylene	152	7.394	7.406	-0.012	97	497218	5.00	5.45	
64 3-Nitroaniline	138	7.483	7.500	-0.017	95	70827	5.00	5.20	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	2087313	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.559	7.565	-0.006	96	373023	5.00	4.93	
67 Acenaphthene	154	7.571	7.577	-0.006	93	332398	5.00	5.49	
68 2,4-Dinitrophenol	184	7.583	7.600	-0.017	88	35762	10.0	9.01	
69 4-Nitrophenol	65	7.641	7.659	-0.018	90	73125	10.0	9.08	
70 2,4-Dinitrotoluene	165	7.718	7.730	-0.012	96	76542	5.00	5.01	
71 Dibenzofuran	168	7.735	7.747	-0.012	95	469206	5.00	5.42	
72 2,3,4,6-Tetrachlorophenol	232	7.859	7.865	-0.006	96	79056	5.00	4.50	
73 Diethyl phthalate	149	7.959	7.971	-0.012	99	286500	5.00	5.44	
74 4-Chlorophenyl phenyl ethe	204	8.077	8.082	-0.005	88	179138	5.00	5.03	
75 Fluorene	166	8.077	8.082	-0.005	96	342267	5.00	5.49	
76 4-Nitroaniline	138	8.082	8.106	-0.024	86	52384	5.00	4.84	
77 4,6-Dinitro-2-methylphenol	198	8.118	8.135	-0.017	94	62255	10.0	9.17	
78 N-Nitrosodiphenylamine	169	8.188	8.200	-0.012	67	479133	10.0	10.5	
79 1,2-Diphenylhydrazine	77	8.230	8.241	-0.011	98	284383	5.00	5.53	
\$ 80 2,4,6-Tribromophenol	330	8.312	8.324	-0.012	89	79826	5.00	4.64	
81 4-Bromophenyl phenyl ether	248	8.559	8.565	-0.006	93	106306	5.00	4.64	
83 Hexachlorobenzene	284	8.630	8.635	-0.005	94	128201	5.00	4.68	
85 Pentachlorophenol	266	8.818	8.824	-0.006	95	116252	10.0	9.04	
86 Pentachloronitrobenzene	237	8.829	8.841	-0.012	90	41505	5.00	4.78	
87 n-Octadecane	57	8.894	8.900	-0.006	97	206813	5.00	5.66	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	2881755	40.0	40.0	
89 Phenanthrene	178	9.024	9.029	-0.005	97	421085	5.00	5.22	
90 Anthracene	178	9.077	9.082	-0.005	99	425092	5.00	5.23	
91 Carbazole	167	9.229	9.235	-0.006	96	317836	5.00	5.30	
92 Di-n-butyl phthalate	149	9.571	9.576	-0.005	100	359765	5.00	5.17	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.200	10.206	-0.006	99	347763	5.00	4.98	
94 Benzidine	184	10.324	10.329	-0.005	99	111778	5.00	4.32	
95 Pyrene	202	10.429	10.435	-0.006	98	347617	5.00	5.18	
82 Bisphenol-A	213	10.465	10.471	-0.006	98	48904	5.00	6.04	
\$ 96 Terphenyl-d14	244	10.588	10.594	-0.006	98	265667	5.00	4.93	
97 Butyl benzyl phthalate	149	11.123	11.129	-0.006	96	96136	5.00	4.72	
99 Carbamazepine	193	11.253	11.259	-0.006	92	53659	5.00	5.18	
100 3,3'-Dichlorobenzidine	252	11.765	11.770	-0.005	98	73902	5.00	4.31	
101 Benzo[a]anthracene	228	11.800	11.806	-0.006	96	229936	5.00	4.57	
* 102 Chrysene-d12	240	11.818	11.818	0.000	98	1738851	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.841	11.841	0.000	87	126694	5.00	4.76	
103 Chrysene	228	11.847	11.853	-0.006	100	218824	5.00	4.82	
105 Di-n-octyl phthalate	149	12.717	12.723	-0.006	97	149302	5.00	4.41	
106 Benzo[b]fluoranthene	252	13.241	13.253	-0.012	97	166733	5.00	4.85	
107 Benzo[k]fluoranthene	252	13.282	13.288	-0.006	97	173911	5.00	4.70	
108 Benzo[a]pyrene	252	13.700	13.706	-0.006	99	145760	5.00	4.72	
* 109 Perylene-d12	264	13.782	13.788	-0.006	98	1307403	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.370	15.382	-0.012	96	124760	5.00	4.74	
111 Dibenz(a,h)anthracene	278	15.406	15.423	-0.017	97	126367	5.00	4.37	
112 Benzo[g,h,i]perylene	276	15.817	15.835	-0.018	95	133887	5.00	4.13	
S 119 Total Cresols	1				0			11.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L3_00012

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12697.D

Injection Date: 11-Apr-2016 15:48:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std5

Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul

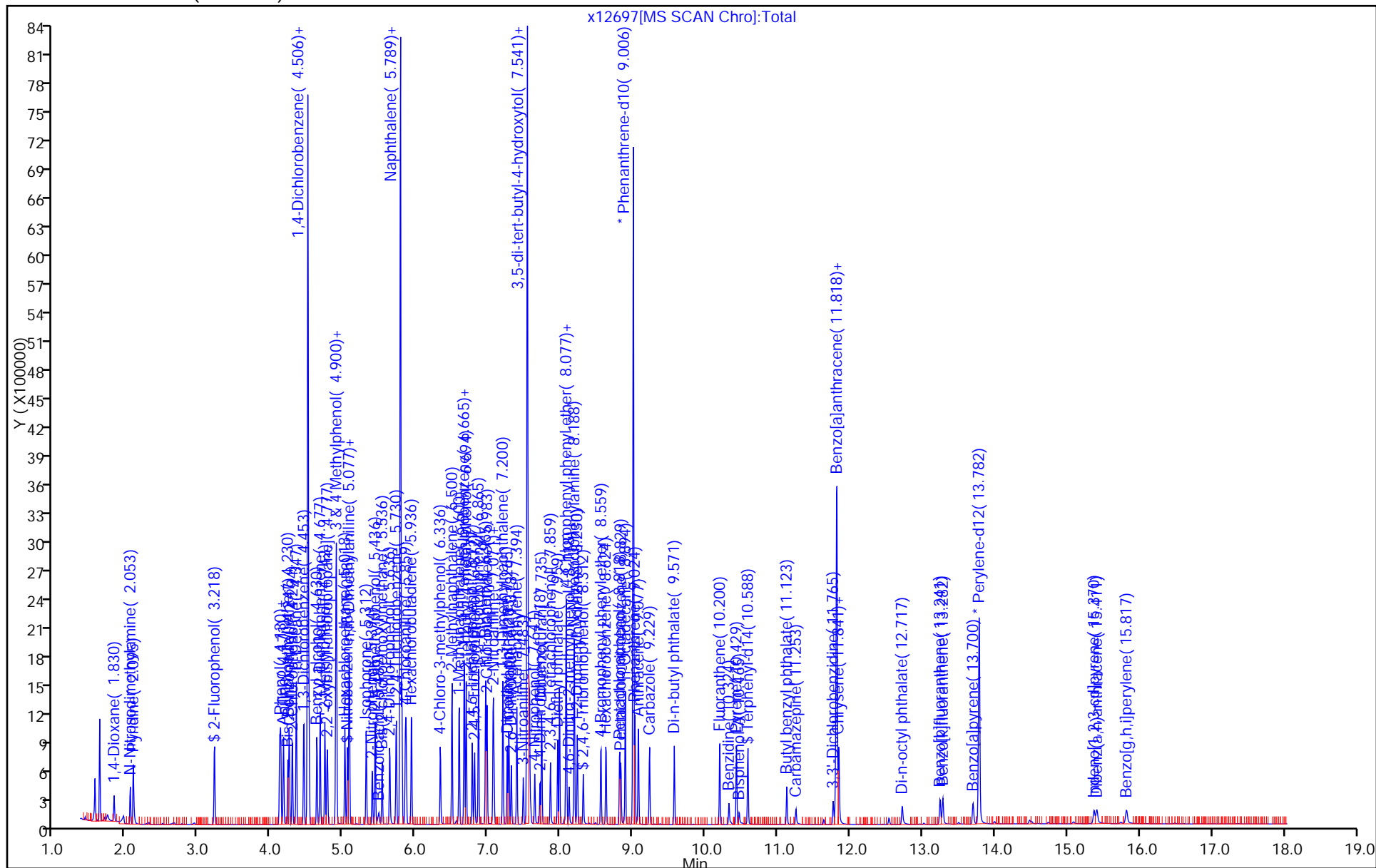
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12698.D
 Lims ID: std2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 11-Apr-2016 16:13:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-008
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:10 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 18:09:10

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	3.218	3.218	0.000	94	95172	2.00	2.37	
\$ 6 Phenol-d5	99	4.118	4.142	-0.024	91	112260	2.00	2.45	
9 Bis(2-chloroethyl)ether	93	4.230	4.247	-0.017	95	80795	2.00	2.32	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.512	-0.006	97	1106984	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.900	4.924	-0.024	94	56633	2.00	2.45	
25 Hexachloroethane	117	5.018	5.024	-0.006	89	38338	2.00	2.27	
\$ 26 Nitrobenzene-d5	82	5.053	5.071	-0.018	92	95048	2.00	2.36	
28 Nitrobenzene	77	5.077	5.094	-0.017	89	117375	2.00	2.30	
27 n,n'-Dimethylaniline	120	5.077	5.094	-0.017	92	133689	2.00	2.34	
31 Isophorone	82	5.312	5.336	-0.024	98	144805	2.00	2.33	
36 2,4-Dichlorophenol	162	5.636	5.647	-0.011	95	66332	2.00	2.02	
37 1,2,4-Trichlorobenzene	180	5.730	5.736	-0.006	94	83890	2.00	2.10	
* 38 Naphthalene-d8	136	5.789	5.794	-0.005	100	3831061	40.0	40.0	
41 Hexachlorobutadiene	225	5.942	5.941	0.001	95	54240	2.00	1.99	
49 2,4,6-Trichlorophenol	196	6.777	6.788	-0.011	88	40474	2.00	1.85	
\$ 51 2-Fluorobiphenyl	172	6.865	6.871	-0.006	98	194117	2.00	2.25	
60 2,6-Dinitrotoluene	165	7.318	7.330	-0.012	93	26759	2.00	2.02	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	2032046	40.0	40.0	
68 2,4-Dinitrophenol	184	7.583	7.600	-0.017	4	8782	4.00	4.56	
70 2,4-Dinitrotoluene	165	7.712	7.730	-0.018	95	28789	2.00	1.94	
77 4,6-Dinitro-2-methylphenol	198	8.118	8.135	-0.017	93	16497	4.00	4.16	
78 N-Nitrosodiphenylamine	169	8.188	8.200	-0.012	66	197863	4.00	4.47	
\$ 80 2,4,6-Tribromophenol	330	8.312	8.324	-0.012	90	28447	2.00	1.70	
83 Hexachlorobenzene	284	8.624	8.635	-0.011	95	47595	2.00	1.79	
85 Pentachlorophenol	266	8.812	8.824	-0.012	95	36033	4.00	2.90	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	2789026	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.588	10.594	-0.006	98	103120	2.00	2.10	
100 3,3'-Dichlorobenzidine	252	11.765	11.770	-0.005	97	23216	2.00	1.49	
101 Benzo[a]anthracene	228	11.800	11.806	-0.006	97	87563	2.00	1.91	
* 102 Chrysene-d12	240	11.818	11.818	0.000	99	1583742	40.0	40.0	
106 Benzo[b]fluoranthene	252	13.241	13.253	-0.012	97	56593	2.00	1.81	

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	13.282	13.288	-0.006	96	66463	2.00	1.98	
108 Benzo[a]pyrene	252	13.700	13.706	-0.006	98	53673	2.00	1.92	
* 109 Perylene-d12	264	13.782	13.788	-0.006	98	1185495	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.364	15.382	-0.018	96	41550	2.00	1.74	
111 Dibenz(a,h)anthracene	278	15.412	15.423	-0.011	97	44712	2.00	1.70	

Reagents:

SV_IC_BNA_LO_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12698.D

Injection Date: 11-Apr-2016 16:13:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std2

Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul

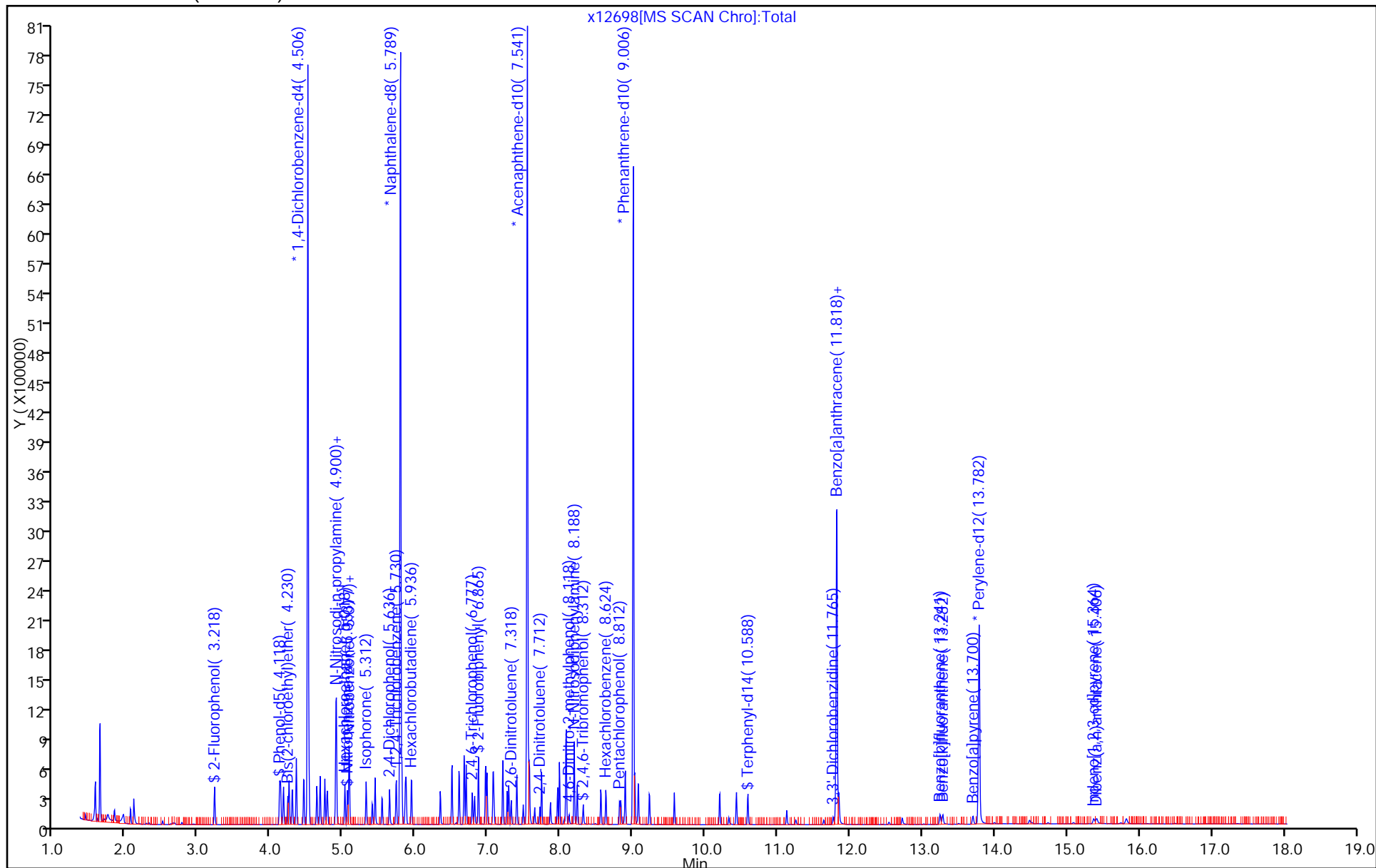
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12699.D
 Lims ID: std1
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 11-Apr-2016 16:37:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-009
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:16 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 17:05:00

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	3.218	3.218	0.000	95	41191	1.00	1.00	
\$ 6 Phenol-d5	99	4.118	4.142	-0.024	94	47278	1.00	1.01	
9 Bis(2-chloroethyl)ether	93	4.230	4.247	-0.017	97	42993	1.00	1.20	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.512	-0.006	97	1134727	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.900	4.924	-0.024	94	28045	1.00	1.18	
25 Hexachloroethane	117	5.018	5.024	-0.006	88	19236	1.00	1.11	
\$ 26 Nitrobenzene-d5	82	5.053	5.071	-0.018	91	40930	1.00	1.01	
28 Nitrobenzene	77	5.077	5.094	-0.017	89	59337	1.00	1.15	
27 n,n'-Dimethylaniline	120	5.083	5.094	-0.011	93	67989	1.00	1.16	
37 1,2,4-Trichlorobenzene	180	5.730	5.736	-0.006	94	43222	1.00	1.07	
* 38 Naphthalene-d8	136	5.789	5.794	-0.005	99	3856551	40.0	40.0	
41 Hexachlorobutadiene	225	5.942	5.941	0.001	96	27869	1.00	1.01	
\$ 51 2-Fluorobiphenyl	172	6.865	6.871	-0.006	98	84898	1.00	0.9627	
60 2,6-Dinitrotoluene	165	7.318	7.330	-0.012	94	13088	1.00	0.9651	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	2079642	40.0	40.0	
70 2,4-Dinitrotoluene	165	7.712	7.730	-0.018	96	13232	1.00	0.8696	
83 Hexachlorobenzene	284	8.624	8.635	-0.011	96	24519	1.00	0.8837	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	98	2916368	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.588	10.594	-0.006	98	47610	1.00	0.9345	
101 Benzo[a]anthracene	228	11.800	11.806	-0.006	96	48386	1.00	1.02	
* 102 Chrysene-d12	240	11.818	11.818	0.000	99	1642671	40.0	40.0	
106 Benzo[b]fluoranthene	252	13.241	13.253	-0.012	97	29739	1.00	0.9037	
107 Benzo[k]fluoranthene	252	13.276	13.288	-0.012	96	34387	1.00	0.9724	
108 Benzo[a]pyrene	252	13.694	13.706	-0.012	98	26202	1.00	0.8863	
* 109 Perylene-d12	264	13.782	13.788	-0.006	98	1250735	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.365	15.382	-0.018	95	20113	1.00	0.7983	
111 Dibenz(a,h)anthracene	278	15.406	15.423	-0.017	96	22166	1.00	0.8004	

Reagents:

SV_IC_BNA_L2_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12699.D

Injection Date: 11-Apr-2016 16:37:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std1

Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul

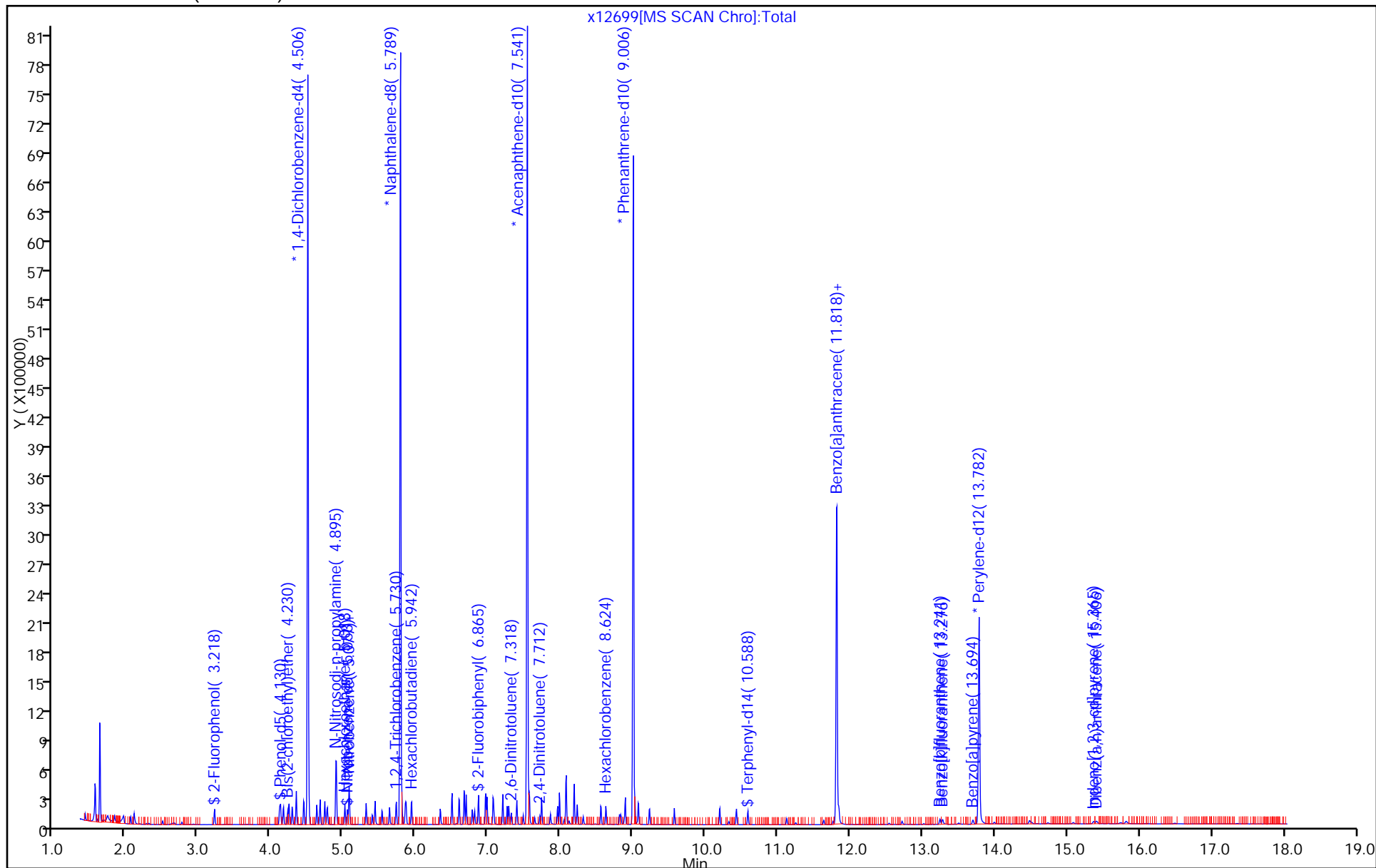
Dil. Factor: 1.0000

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\20160411-39723.b\12700.D
 Lims ID: std05
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 11-Apr-2016 17:01:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-010
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:22 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 18:09:57

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	4.230	4.247	-0.017	96	21887	0.5000	0.5854	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.512	-0.006	97	1187058	40.0	40.0	
22 N-Nitrosodi-n-propylamine	70	4.900	4.924	-0.024	89	15636	0.5000	0.6310	
25 Hexachloroethane	117	5.018	5.024	-0.006	87	10106	0.5000	0.5574	
\$ 26 Nitrobenzene-d5	82	5.053	5.071	-0.018	93	19124	0.5000	0.4462	
28 Nitrobenzene	77	5.077	5.094	-0.017	89	31417	0.5000	0.5786	
27 n,n'-Dimethylaniline	120	5.083	5.094	-0.011	93	36685	0.5000	0.5999	
37 1,2,4-Trichlorobenzene	180	5.730	5.736	-0.006	94	23161	0.5000	0.5438	
* 38 Naphthalene-d8	136	5.789	5.794	-0.005	99	4075837	40.0	40.0	
\$ 51 2-Fluorobiphenyl	172	6.865	6.871	-0.006	98	46593	0.5000	0.5041	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	2179817	40.0	40.0	
83 Hexachlorobenzene	284	8.624	8.635	-0.011	94	13478	0.5000	0.4677	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	3029113	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.588	10.594	-0.006	98	23557	0.5000	0.4512	
101 Benzo[a]anthracene	228	11.806	11.806	0.000	96	27989	0.5000	0.5743	
* 102 Chrysene-d12	240	11.818	11.818	0.000	98	1683500	40.0	40.0	
106 Benzo[b]fluoranthene	252	13.241	13.253	-0.012	97	15118	0.5000	0.4515	
107 Benzo[k]fluoranthene	252	13.276	13.288	-0.012	98	17287	0.5000	0.4804	M
108 Benzo[a]pyrene	252	13.700	13.706	-0.006	98	12379	0.5000	0.4115	
* 109 Perylene-d12	264	13.782	13.788	-0.006	98	1272716	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.364	15.382	-0.018	96	10791	0.5000	0.4209	
111 Dibenz(a,h)anthracene	278	15.406	15.423	-0.017	95	11633	0.5000	0.4128	M

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SV_IC_BNA_L1_00011

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12700.D

Injection Date: 11-Apr-2016 17:01:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std05

Worklist Smp#: 10

Client ID:

Injection Vol: 1.0 ul

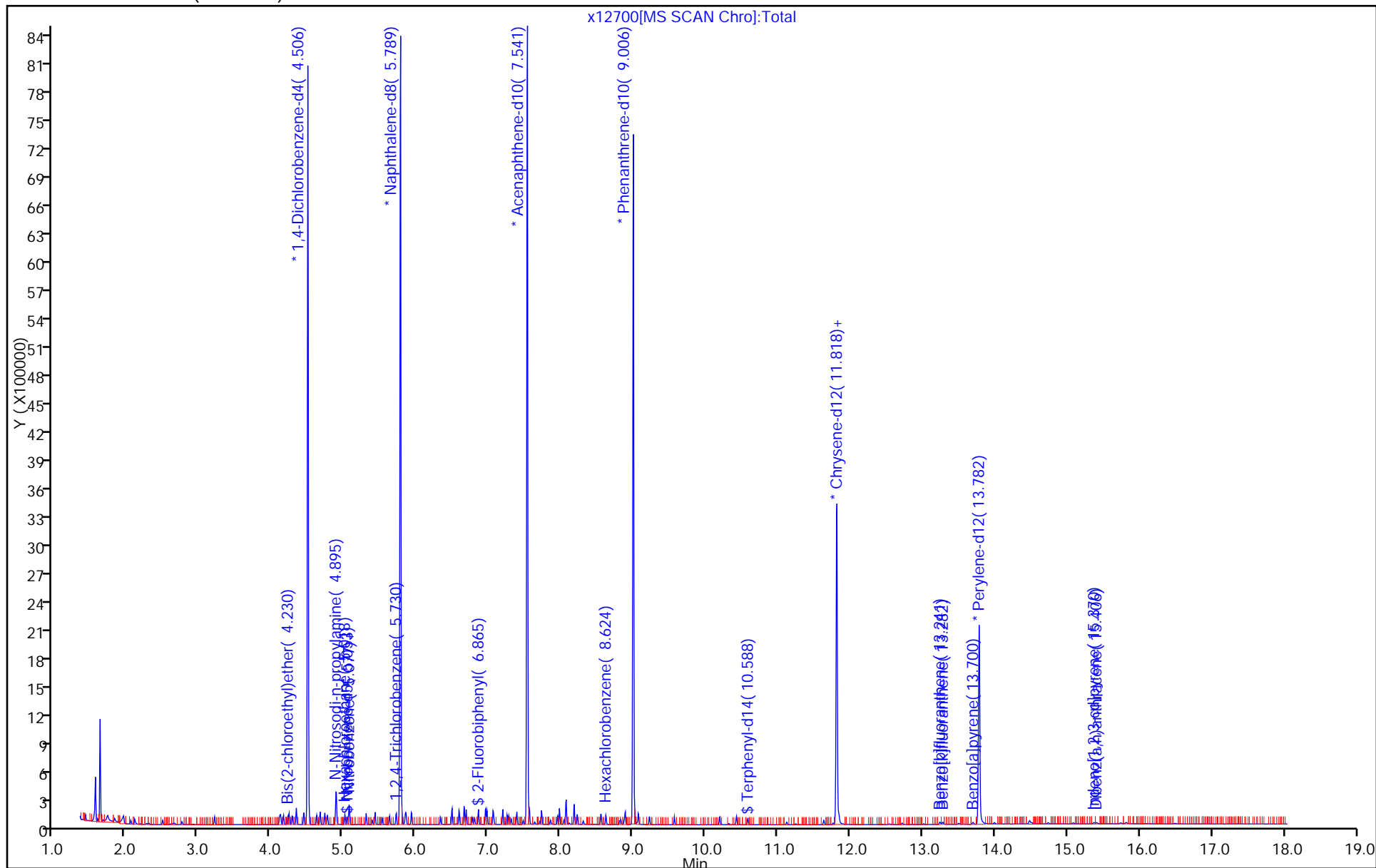
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12700.D

Injection Date: 11-Apr-2016 17:01:30

Instrument ID: CBNAMS5

Lims ID: std05

Client ID:

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

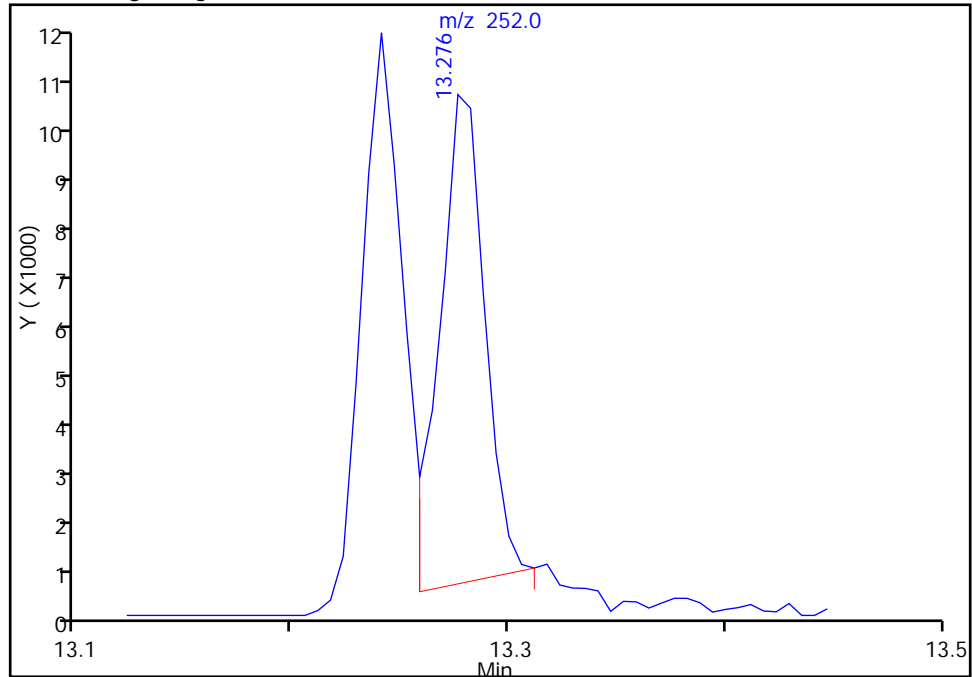
Detector

MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9

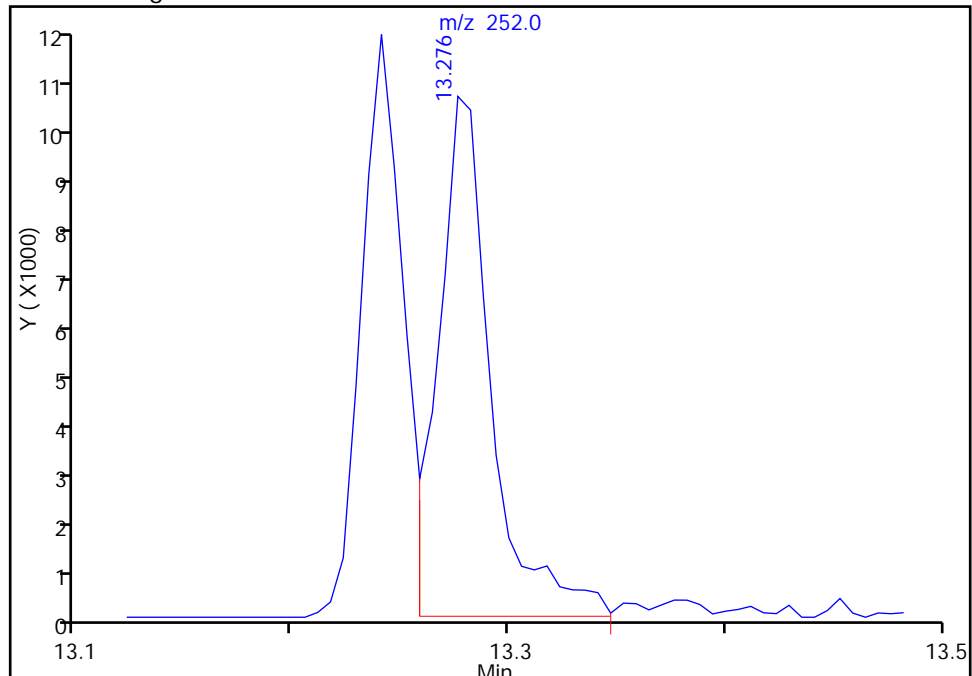
RT: 13.28
Area: 13836
Amount: 0.392868
Amount Units: ug/ml

Processing Integration Results



RT: 13.28
Area: 17287
Amount: 0.480396
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 11-Apr-2016 18:09:57

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12700.D

Injection Date: 11-Apr-2016 17:01:30

Instrument ID: CBNAMS5

Lims ID: std05

Client ID:

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

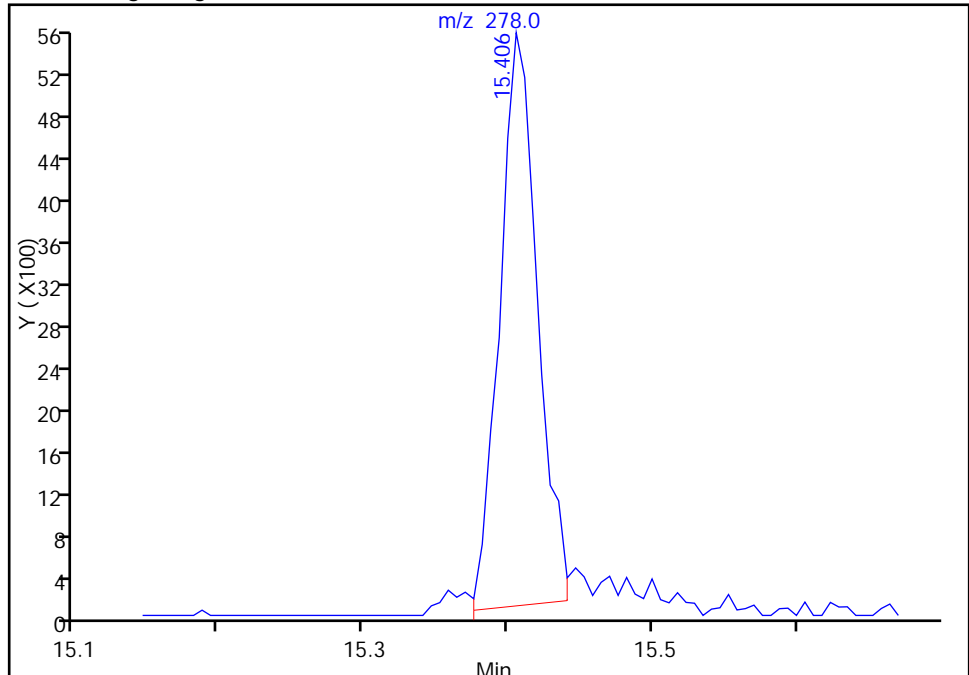
Detector

MS SCAN

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

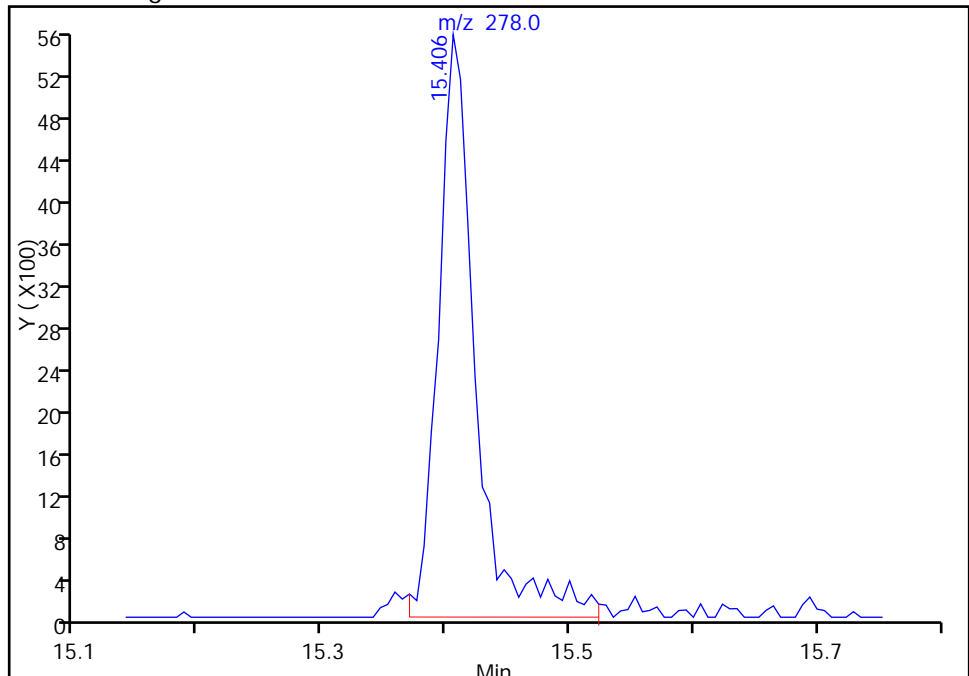
RT: 15.41
Area: 9907
Amount: 0.340754
Amount Units: ug/ml

Processing Integration Results



RT: 15.41
Area: 11633
Amount: 0.412827
Amount Units: ug/ml

Manual Integration Results



Reviewer: croccom, 11-Apr-2016 18:35:59

Audit Action: Manually Integrated

Audit Reason: Baseline

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

Lab Name: TestAmerica Edison Job No.: 460-111954-1 Analy Batch No.: 361914

SDG No.: _____

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

Calibration Start Date: 04/11/2016 17:25 Calibration End Date: 04/11/2016 19:51 Calibration ID: 55296

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 460-361914/17	x12707.D
Level 2	STD5 460-361914/16	x12706.D
Level 3	STD10 460-361914/15	x12705.D
Level 4	STD20 460-361914/14	x12704.D
Level 5	STD50 460-361914/11	x12701.D
Level 6	STD80 460-361914/13	x12703.D
Level 7	STD120 460-361914/12	x12702.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	1.3444 0.8989	1.2708 0.8780	1.2192	1.1746	0.9989	Ave		1.1121			0.0100	16.7		20.0			
Caprolactam	0.0540 0.0843	0.0642 0.0815	0.0773	0.0859	0.0909	Ave		0.0769			0.0100	17.1		20.0			
Atrazine	0.1906 0.2005	0.2068 0.1897	0.2041	0.2177	0.2203	Ave		0.2042			0.0100	5.8		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.: 460-111954-1 Analy Batch No.: 361914

SDG No.: _____

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

Calibration Start Date: 04/11/2016 17:25 Calibration End Date: 04/11/2016 19:51 Calibration ID: 55296

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 460-361914/17	x12707.D
Level 2	STD5 460-361914/16	x12706.D
Level 3	STD10 460-361914/15	x12705.D
Level 4	STD20 460-361914/14	x12704.D
Level 5	STD50 460-361914/11	x12701.D
Level 6	STD80 460-361914/13	x12703.D
Level 7	STD120 460-361914/12	x12702.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 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzaldehyde	DCB	Ave	76337 2224145	190614 3020014	351870	687558	1422910	2.00 80.0	5.00 120	10.0	20.0	50.0
Caprolactam	NPT	Ave	10278 704346	32499 945567	76124	168615	433831	2.00 80.0	5.00 120	10.0	20.0	50.0
Atrazine	PHN	Ave	26407 1322526	77975 1671435	154484	328047	837458	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\20160411-39723.b\12701.D
 Lims ID: std50
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 11-Apr-2016 17:25:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-011
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:29 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 18:10:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.071	4.071	0.000	88	1422910	50.0	44.9	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	97	1139635	40.0	40.0	
* 38 Naphthalene-d8	136	5.783	5.783	0.000	100	3816657	40.0	40.0	
42 Caprolactam	113	6.194	6.194	0.000	88	433831	50.0	59.2	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	2129057	40.0	40.0	
84 Atrazine	200	8.718	8.718	0.000	94	837458	50.0	53.9	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	3041762	40.0	40.0	
* 102 Chrysene-d12	240	11.812	11.812	0.000	98	1916690	40.0	40.0	
* 109 Perylene-d12	264	13.782	13.782	0.000	98	1440558	40.0	40.0	

Reagents:

SV_IC-S_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12701.D

Injection Date: 11-Apr-2016 17:25:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std50

Worklist Smp#: 11

Client ID:

Injection Vol: 1.0 ul

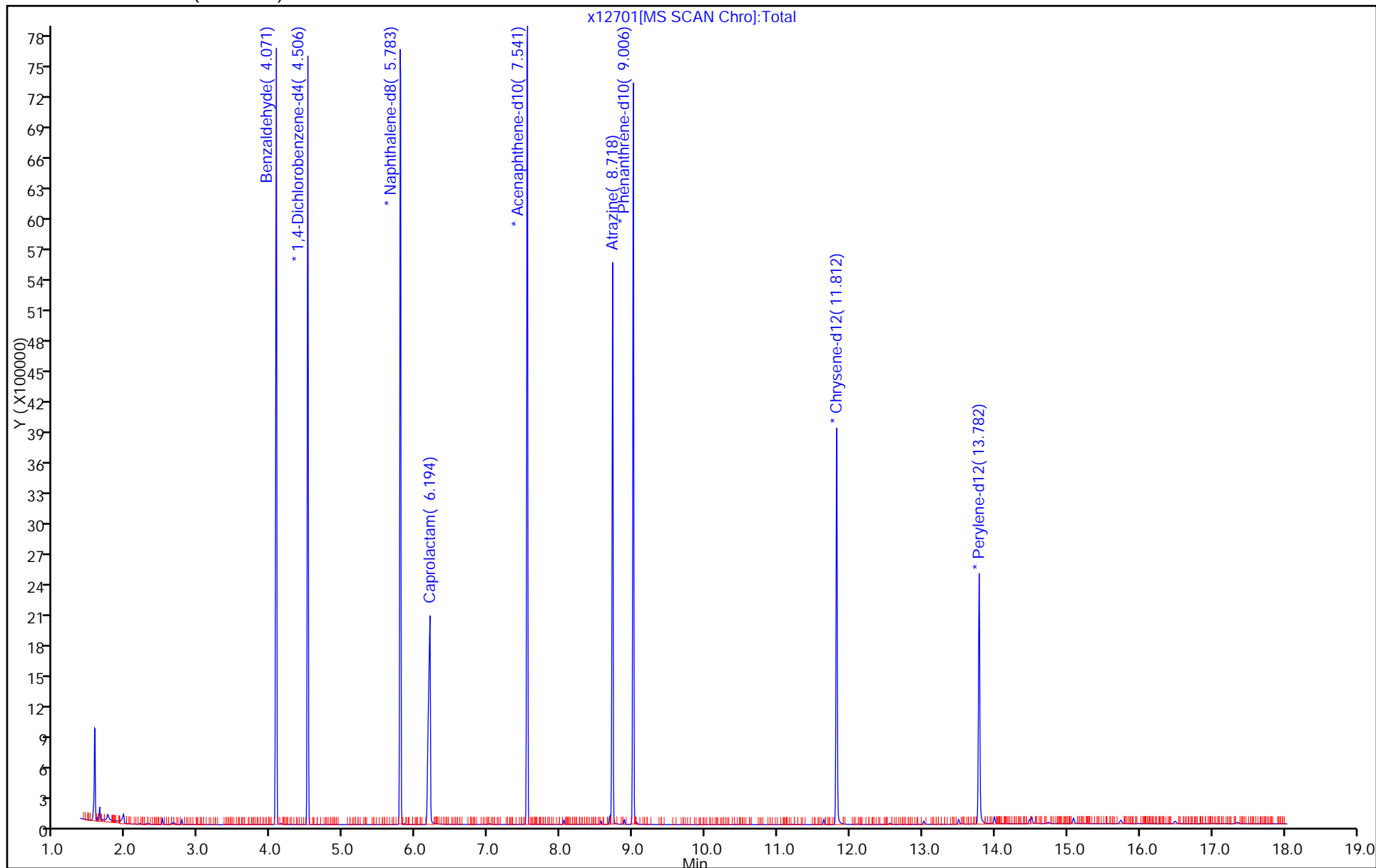
Dil. Factor: 1.0000

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\20160411-39723.b\12702.D
 Lims ID: std120
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 11-Apr-2016 17:49:30 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-012
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:34 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 18:14:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.083	4.071	0.012	89	3020014	120.0	94.7	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	97	1146570	40.0	40.0	
* 38 Naphthalene-d8	136	5.789	5.783	0.006	100	3866877	40.0	40.0	
42 Caprolactam	113	6.218	6.194	0.024	87	945567	120.0	127.3	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	2080128	40.0	40.0	
84 Atrazine	200	8.730	8.718	0.012	94	1671435	120.0	111.5	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	2936739	40.0	40.0	
* 102 Chrysene-d12	240	11.812	11.812	0.000	98	1803876	40.0	40.0	
* 109 Perylene-d12	264	13.782	13.782	0.000	99	1362621	40.0	40.0	

Reagents:

SV_IC-S_L8_00005

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\x12702.D

Injection Date: 11-Apr-2016 17:49:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std120

Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul

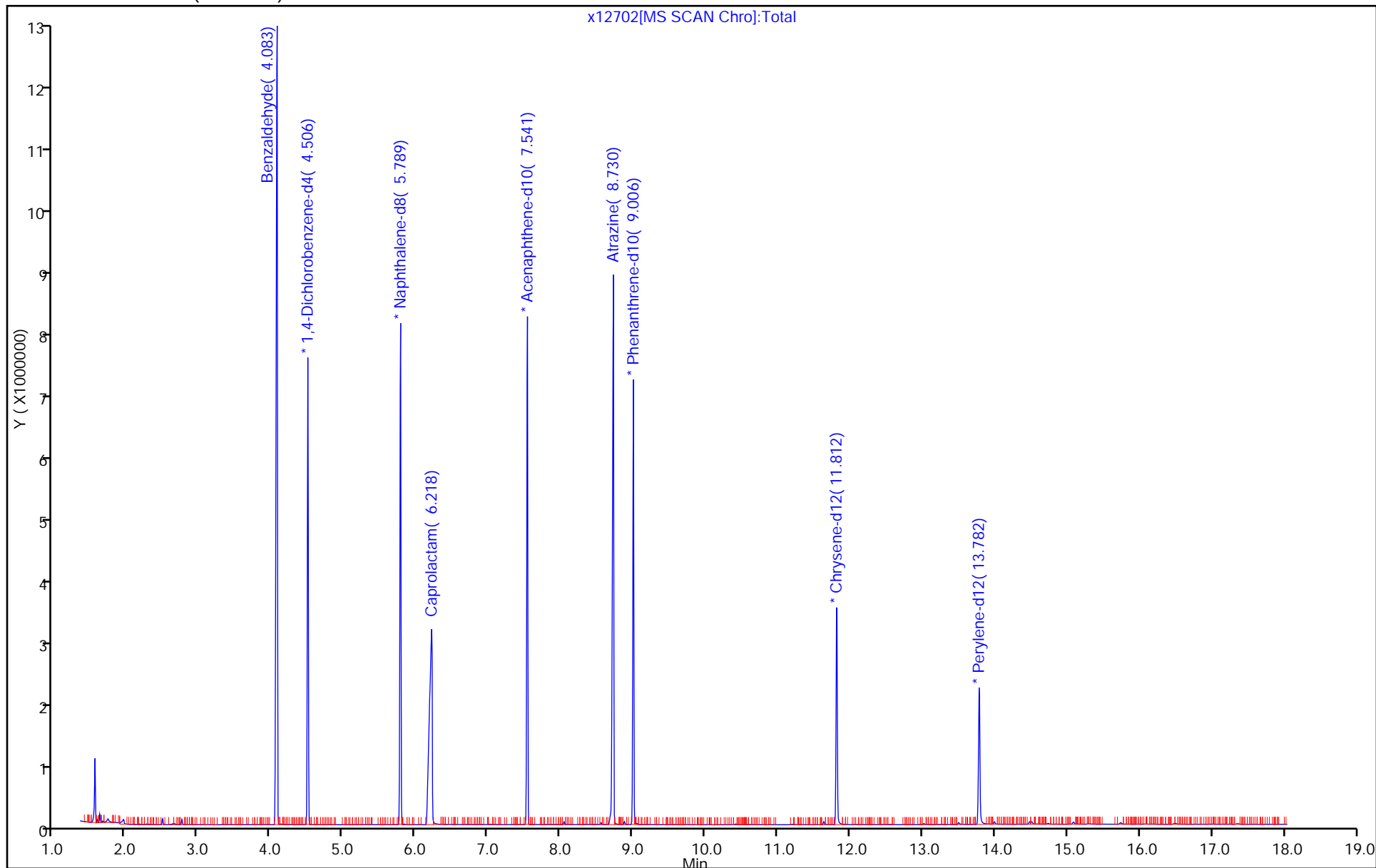
Dil. Factor: 1.0000

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\20160411-39723.b\12703.D
 Lims ID: std80
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 11-Apr-2016 18:14:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-013
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:39 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 18:44:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.077	4.071	0.006	88	2224145	80.0	64.7	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	97	1237216	40.0	40.0	
* 38 Naphthalene-d8	136	5.788	5.783	0.005	99	4179349	40.0	40.0	
42 Caprolactam	113	6.206	6.194	0.012	89	704346	80.0	87.7	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	2264360	40.0	40.0	
84 Atrazine	200	8.724	8.718	0.006	94	1322526	80.0	78.5	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	3298733	40.0	40.0	
* 102 Chrysene-d12	240	11.817	11.812	0.005	98	2069053	40.0	40.0	
* 109 Perylene-d12	264	13.782	13.782	0.000	98	1583007	40.0	40.0	

Reagents:

SV_IC-S_L7_00005

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12703.D

Injection Date: 11-Apr-2016 18:14:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std80

Worklist Smp#: 13

Client ID:

Injection Vol: 1.0 ul

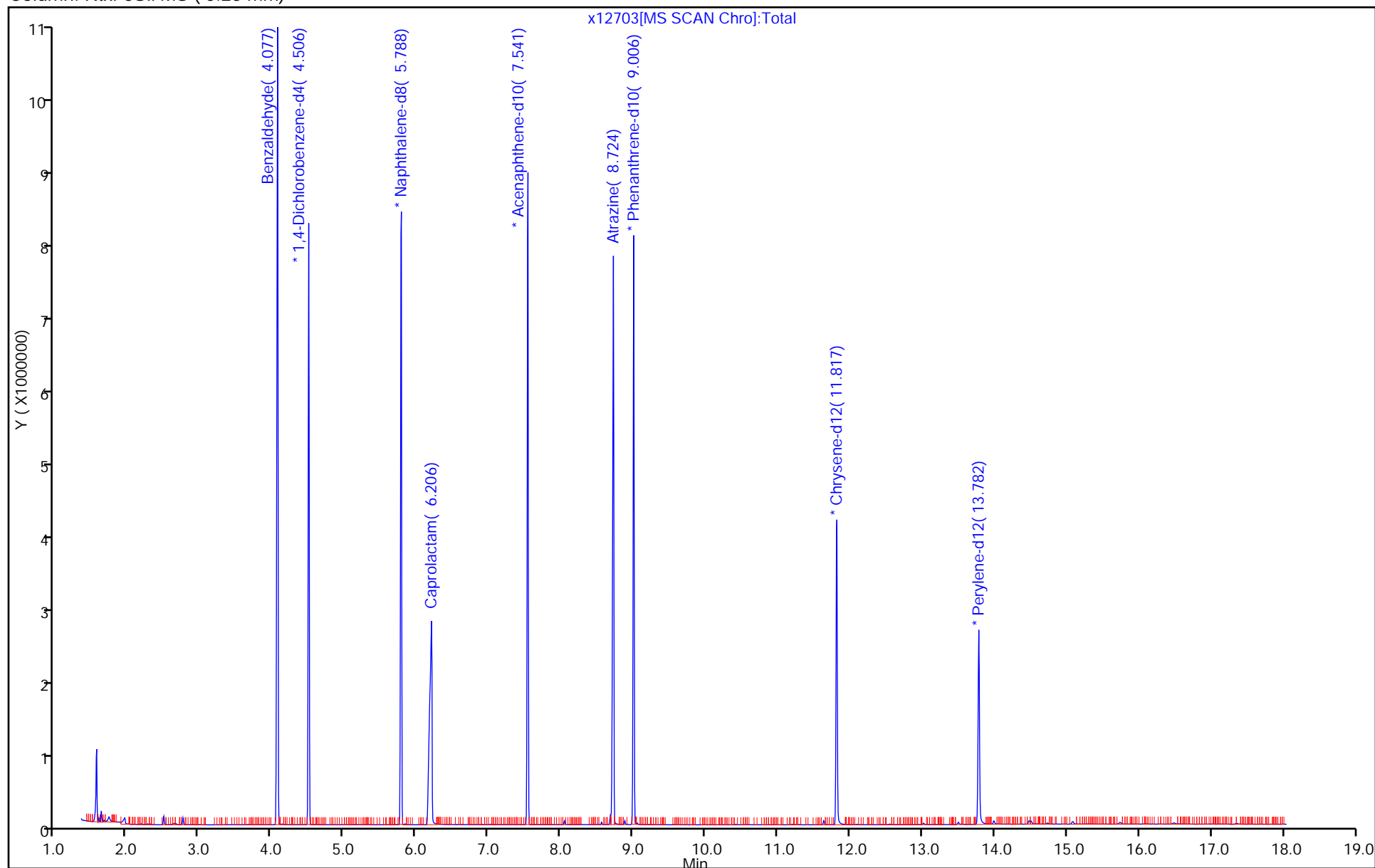
Dil. Factor: 1.0000

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\20160411-39723.b\12704.D
 Lims ID: std20
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 11-Apr-2016 18:38:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-014
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:43 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 19:20:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.065	4.071	-0.006	89	687558	20.0	21.1	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	97	1170758	40.0	40.0	
* 38 Naphthalene-d8	136	5.789	5.783	0.006	99	3926462	40.0	40.0	
42 Caprolactam	113	6.177	6.194	-0.017	88	168615	20.0	22.3	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	2099362	40.0	40.0	
84 Atrazine	200	8.712	8.718	-0.006	94	328047	20.0	21.3	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	3013693	40.0	40.0	
* 102 Chrysene-d12	240	11.818	11.812	0.006	98	1727847	40.0	40.0	
* 109 Perylene-d12	264	13.782	13.782	0.000	99	1270016	40.0	40.0	

Reagents:

SV_IC-S_L5_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12704.D

Injection Date: 11-Apr-2016 18:38:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std20

Worklist Smp#: 14

Client ID:

Injection Vol: 1.0 ul

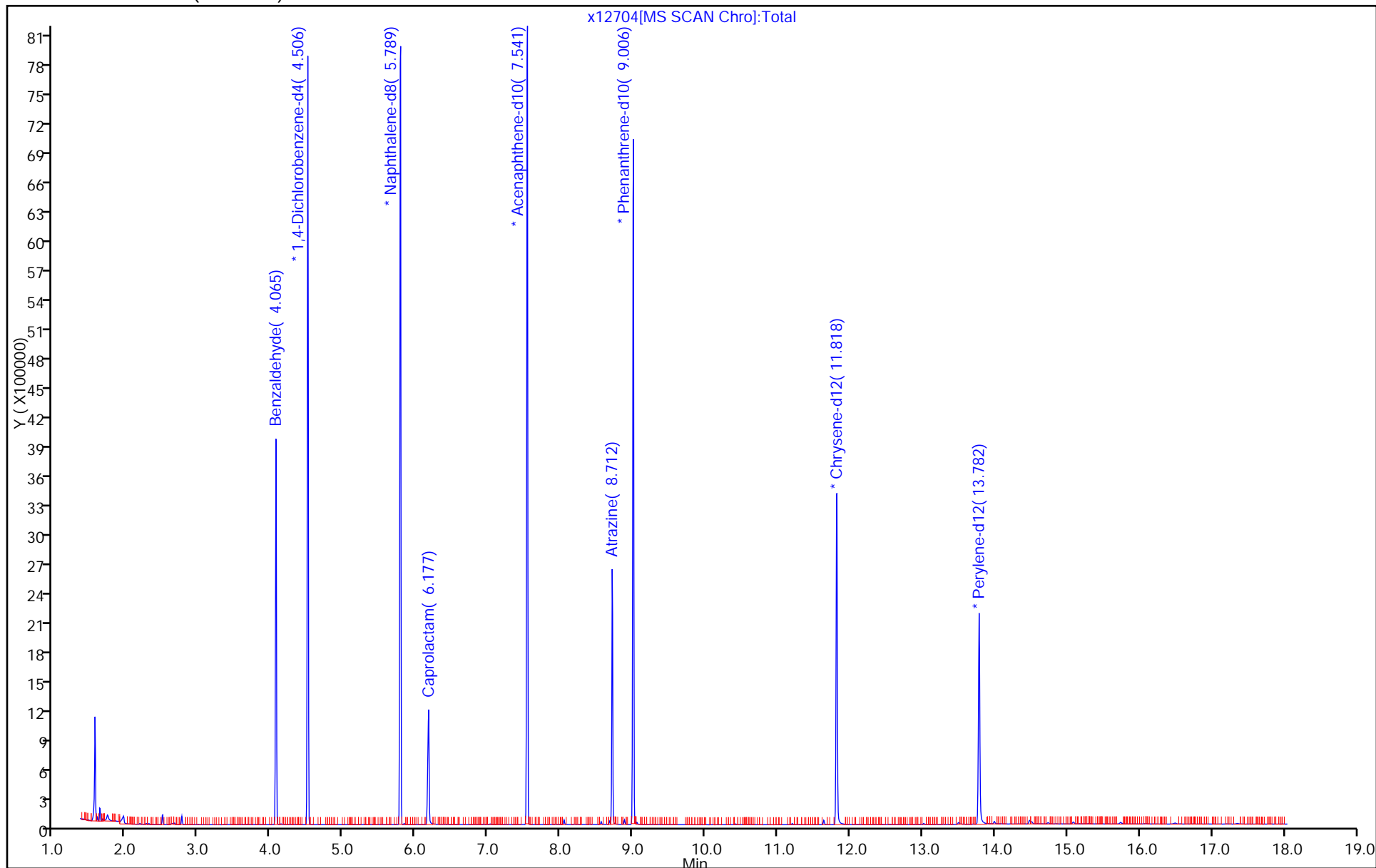
Dil. Factor: 1.0000

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\20160411-39723.b\12705.D
 Lims ID: std10
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 11-Apr-2016 19:03:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-015
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:47 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 19:35:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.065	4.071	-0.006	89	351870	10.0	11.0	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	97	1154464	40.0	40.0	
* 38 Naphthalene-d8	136	5.788	5.783	0.005	100	3941468	40.0	40.0	
42 Caprolactam	113	6.165	6.194	-0.029	90	76124	10.0	10.1	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	90	2144312	40.0	40.0	
84 Atrazine	200	8.712	8.718	-0.006	94	154484	10.0	10.0	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	3027075	40.0	40.0	
* 102 Chrysene-d12	240	11.812	11.812	0.000	98	1672179	40.0	40.0	
* 109 Perylene-d12	264	13.782	13.782	0.000	98	1267081	40.0	40.0	

Reagents:

SV_IC-S_L4_00020

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12705.D

Injection Date: 11-Apr-2016 19:03:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std10

Worklist Smp#: 15

Client ID:

Injection Vol: 1.0 ul

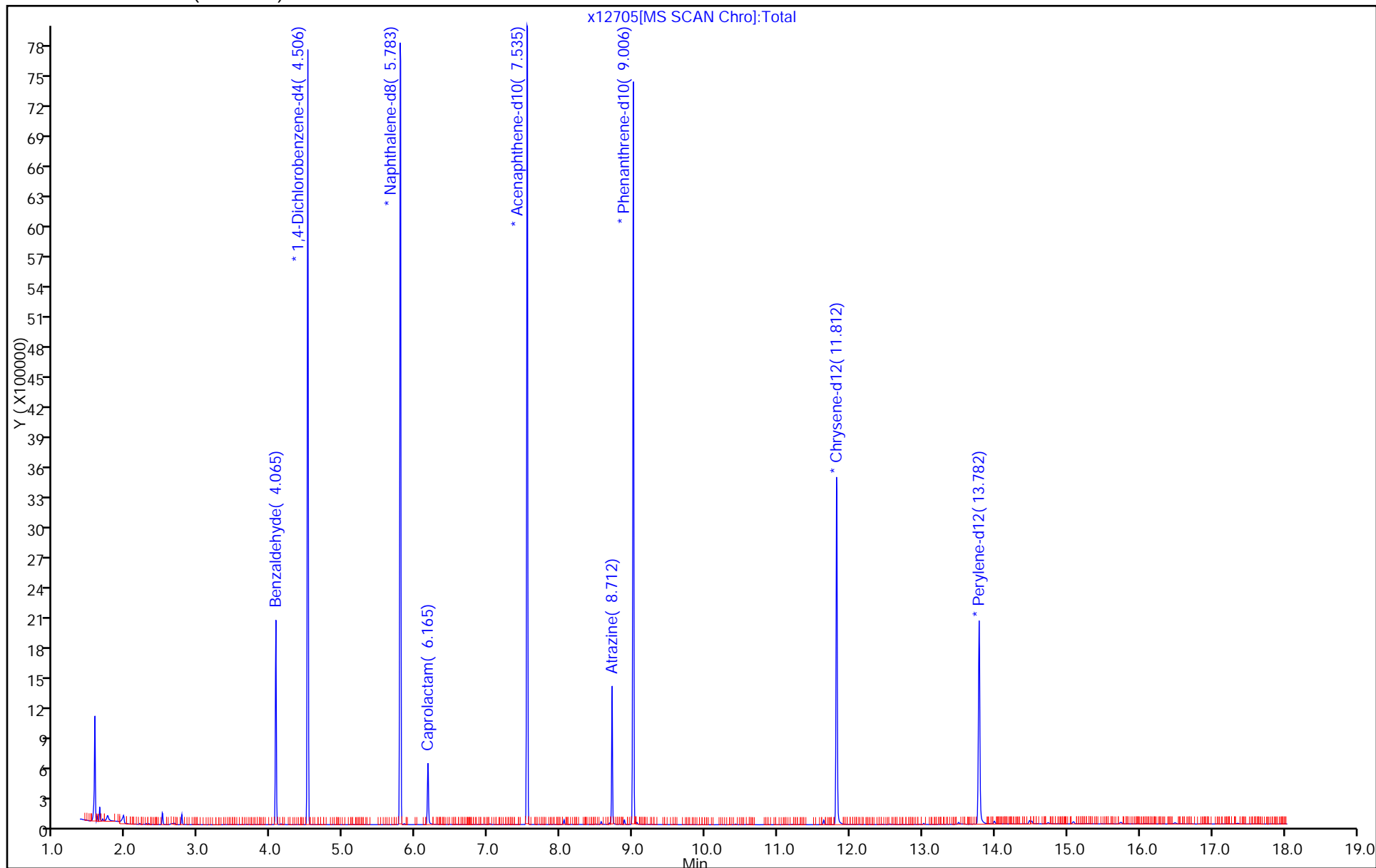
Dil. Factor: 1.0000

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\20160411-39723.b\12706.D
 Lims ID: std5
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 11-Apr-2016 19:27:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-016
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:51 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 19:51:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.065	4.071	-0.006	90	190614	5.00	5.71	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	97	1199939	40.0	40.0	
* 38 Naphthalene-d8	136	5.783	5.783	0.000	99	4047184	40.0	40.0	
42 Caprolactam	113	6.165	6.194	-0.029	90	32499	5.00	4.18	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	2181136	40.0	40.0	
84 Atrazine	200	8.712	8.718	-0.006	94	77975	5.00	5.06	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	3017017	40.0	40.0	
* 102 Chrysene-d12	240	11.812	11.812	0.000	98	1704835	40.0	40.0	
* 109 Perylene-d12	264	13.782	13.782	0.000	98	1288351	40.0	40.0	

Reagents:

SV_IC-S_L3_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12706.D

Injection Date: 11-Apr-2016 19:27:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std5

Worklist Smp#: 16

Client ID:

Injection Vol: 1.0 ul

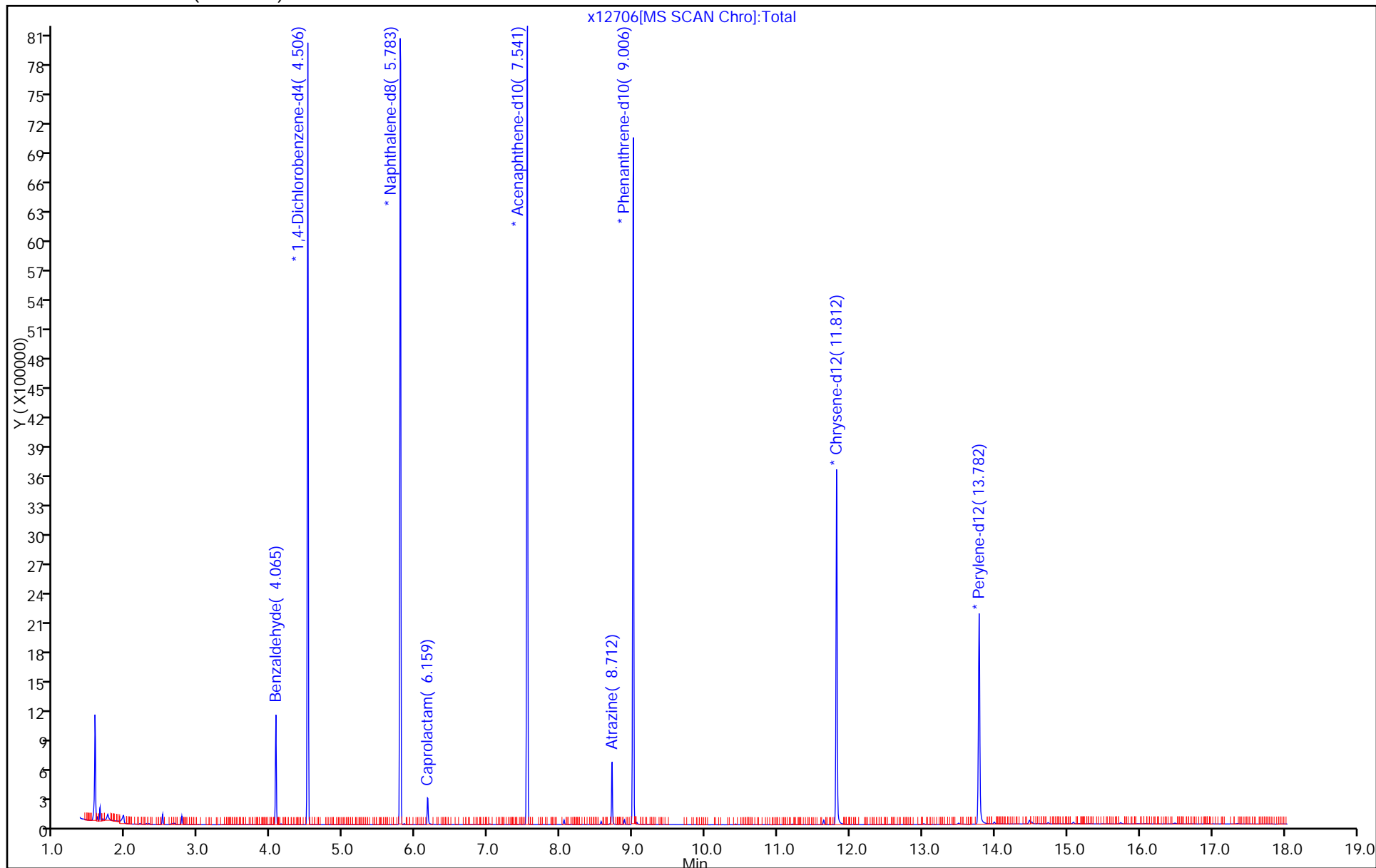
Dil. Factor: 1.0000

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\20160411-39723.b\12707.D
 Lims ID: std2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 11-Apr-2016 19:51:30 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039723-017
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:59:55 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 20:13:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.065	4.071	-0.006	91	76337	2.00	2.42	
* 14 1,4-Dichlorobenzene-d4	152	4.506	4.506	0.000	97	1135601	40.0	40.0	
* 38 Naphthalene-d8	136	5.783	5.783	0.000	100	3810177	40.0	40.0	
42 Caprolactam	113	6.159	6.194	-0.035	89	10278	2.00	1.40	
* 65 Acenaphthene-d10	164	7.541	7.541	0.000	91	2017081	40.0	40.0	
84 Atrazine	200	8.706	8.718	-0.012	94	26407	2.00	1.87	
* 88 Phenanthrene-d10	188	9.006	9.006	0.000	97	2771010	40.0	40.0	
* 102 Chrysene-d12	240	11.812	11.812	0.000	98	1538027	40.0	40.0	
* 109 Perylene-d12	264	13.782	13.782	0.000	98	1179944	40.0	40.0	

Reagents:

SV_IC-S_L2_00008

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160411-39723.b\\x12707.D

Injection Date: 11-Apr-2016 19:51:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: std2

Worklist Smp#: 17

Client ID:

Injection Vol: 1.0 ul

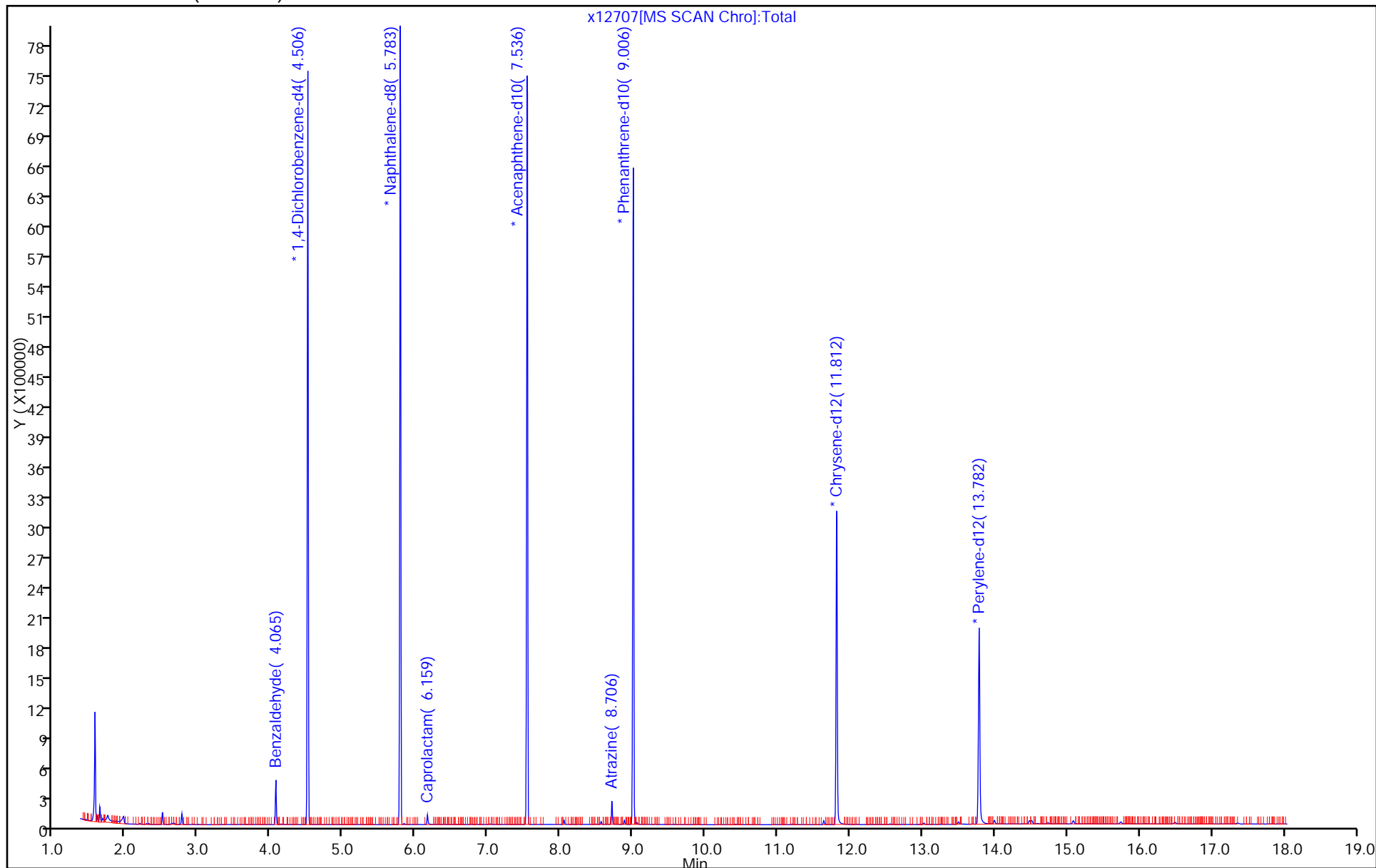
Dil. Factor: 1.0000

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.: 460-111954-1

SDG No.: _____

Lab Sample ID: ICV 460-361776/18 Calibration Date: 04/11/2016 17:42

Instrument ID: CBNAMS12 Calib Start Date: 04/11/2016 10:45

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 14:12

Lab File ID: L132507.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5236	0.5645	0.0100	27000	25000	7.8	30.0
N-Nitrosodimethylamine	Ave	0.7555	0.6690		22100	25000	-11.4	30.0
Pyridine	Ave	1.345	1.404		26100	25000	4.4	30.0
Phenol	Ave	1.643	1.658	0.8000	25200	25000	0.9	30.0
Aniline	Ave	2.002	1.935		24200	25000	-3.4	30.0
Bis(2-chloroethyl)ether	Ave	1.314	1.280	0.7000	24400	25000	-2.5	30.0
2-Chlorophenol	Ave	1.387	1.425	0.8000	25700	25000	2.7	30.0
n-Decane	Ave	2.139	2.244	0.0100	26200	25000	4.9	30.0
1,3-Dichlorobenzene	Ave	1.537	1.613		26200	25000	4.9	30.0
1,4-Dichlorobenzene	Ave	1.565	1.631		26100	25000	4.2	30.0
Benzyl alcohol	Ave	0.8545	0.8439	0.0100	24700	25000	-1.2	30.0
1,2-Dichlorobenzene	Ave	1.477	1.528		25900	25000	3.4	30.0
2-Methylphenol	Ave	1.198	1.230	0.7000	25700	25000	2.6	30.0
2,2'-oxybis[1-chloropropane]	Ave	2.678	2.644	0.0100	24700	25000	-1.3	30.0
3 & 4 Methylphenol	Ave	1.316	1.338		25400	25000	1.7	30.0
4-Methylphenol	Ave	1.316	1.338	0.6000	25400	25000	1.7	30.0
Acetophenone	Ave	1.691	1.730	0.0100	25600	25000	2.3	30.0
N-Nitrosodi-n-propylamine	Ave	0.9182	0.8854	0.5000	24100	25000	-3.6	30.0
Hexachloroethane	Ave	0.6101	0.6387	0.3000	26200	25000	4.7	30.0
Nitrobenzene	Ave	0.4911	0.5007	0.2000	25500	25000	2.0	30.0
n,n'-Dimethylaniline	Ave	1.943	1.926	0.0100	24800	25000	-0.9	30.0
Isophorone	Ave	0.6069	0.6281	0.4000	25900	25000	3.5	30.0
2-Nitrophenol	Ave	0.1865	0.1916	0.1000	25700	25000	2.7	30.0
2,4-Dimethylphenol	Ave	0.3100	0.3063	0.2000	24700	25000	-1.2	30.0
Benzoic acid	Lin2		0.1353		22400	25000	-10.5	30.0
Bis(2-chloroethoxy)methane	Ave	0.3939	0.3977	0.3000	25200	25000	1.0	30.0
2,4-Dichlorophenol	Ave	0.2773	0.2828	0.2000	25500	25000	2.0	30.0
1,2,4-Trichlorobenzene	Ave	0.3018	0.3148		26100	25000	4.3	30.0
Naphthalene	Ave	1.031	1.079	0.7000	26200	25000	4.6	30.0
4-Chloroaniline	Ave	0.4126	0.4042	0.0100	24500	25000	-2.0	30.0
Hexachlorobutadiene	Ave	0.1699	0.1779	0.0100	26200	25000	4.7	30.0
4-Chloro-3-methylphenol	Ave	0.2716	0.2809		25900	25000	3.4	30.0
2-Methylnaphthalene	Ave	0.6830	0.6755	0.4000	24700	25000	-1.1	30.0
1-Methylnaphthalene	Ave	0.5915	0.6340	0.0100	26800	25000	7.2	30.0
Hexachlorocyclopentadiene	Ave	0.2810	0.2661	0.0500	23700	25000	-5.3	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5342	0.5566	0.0100	26000	25000	4.2	30.0
2-tertbutyl-4-methylphenol	Ave	0.4454	0.4468	0.0100	25100	25000	0.3	30.0
2,4,6-Trichlorophenol	Lin2		0.3699	0.2000	25800	25000	3.2	30.0
2,4,5-Trichlorophenol	Ave	0.3737	0.3921	0.2000	26200	25000	4.9	30.0
1,1'-Biphenyl	Ave	1.568	1.627	0.0100	25900	25000	3.8	30.0
2-Chloronaphthalene	Ave	1.162	1.206	0.8000	26000	25000	3.8	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Lab Sample ID: ICV 460-361776/18 Calibration Date: 04/11/2016 17:42

Instrument ID: CBNAMS12 Calib Start Date: 04/11/2016 10:45

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 14:12

Lab File ID: L132507.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8046	0.8332	0.0100	25900	25000	3.6	30.0
2-Nitroaniline	Ave	0.4371	0.4434	0.0100	25400	25000	1.4	30.0
1,3-Dimethylnaphthalene	Ave	0.9750	1.044	0.0100	26800	25000	7.1	30.0
Dimethyl phthalate	Ave	1.215	1.275	0.0100	26200	25000	4.9	30.0
Coumarin	Ave	0.2009	0.2027	0.0100	25200	25000	0.8	30.0
2,6-Dinitrotoluene	Ave	0.2820	0.2943	0.2000	26100	25000	4.4	30.0
Acenaphthylene	Ave	1.795	1.817	0.9000	25300	25000	1.2	30.0
3-Nitroaniline	Ave	0.3090	0.3138	0.0100	25400	25000	1.6	30.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9548	1.011	0.0100	26500	25000	5.9	30.0
Acenaphthene	Ave	1.252	1.331	0.9000	26600	25000	6.3	30.0
2,4-Dinitrophenol	Qua		0.1569	0.0100	48200	50000	-3.6	30.0
4-Nitrophenol	Ave	0.2192	0.2188	0.0100	49900	50000	-0.2	30.0
2,4-Dinitrotoluene	Ave	0.3455	0.3742	0.2000	27100	25000	8.3	30.0
Dibenzofuran	Ave	1.615	1.662	0.8000	25700	25000	3.0	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.2845	0.2891	0.0100	25400	25000	1.6	30.0
Diethyl phthalate	Ave	1.203	1.239	0.0100	25700	25000	3.0	30.0
4-Chlorophenyl phenyl ether	Ave	0.5543	0.5751	0.4000	25900	25000	3.8	30.0
Fluorene	Ave	1.288	1.322	0.9000	25700	25000	2.7	30.0
4-Nitroaniline	Ave	0.2931	0.3031	0.0100	25800	25000	3.4	30.0
4,6-Dinitro-2-methylphenol	Lin2		0.1385	0.0100	50200	50000	0.3	30.0
N-Nitrosodiphenylamine	Ave	0.6084	0.7328	0.0100	51200	42500	20.5	30.0
1,2-Diphenylhydrazine	Ave	0.8860	0.9384	0.0100	26500	25000	5.9	30.0
4-Bromophenyl phenyl ether	Ave	0.2172	0.2185	0.1000	25200	25000	0.6	30.0
Hexachlorobenzene	Ave	0.2222	0.2275	0.1000	25600	25000	2.4	30.0
Pentachlorophenol	Ave	0.1350	0.1511	0.0500	56000	50000	12.0	30.0
Pentachloronitrobenzene	Ave	0.0896	0.0997	0.0100	27800	25000	11.2	30.0
n-Octadecane	Ave	0.7922	0.7857	0.0100	24800	25000	-0.8	30.0
Phenanthrene	Ave	1.158	1.176	0.7000	25400	25000	1.6	30.0
Anthracene	Ave	1.158	1.187	0.7000	25600	25000	2.4	30.0
Carbazole	Ave	1.011	1.040	0.0100	25700	25000	2.9	30.0
Di-n-butyl phthalate	Ave	1.271	1.320	0.0100	26000	25000	3.8	30.0
Fluoranthene	Ave	1.056	1.104	0.6000	26100	25000	4.5	30.0
Benzidine	QuaF		0.4346		22500	25000	-9.9	30.0
Pyrene	Ave	1.466	1.486	0.6000	25300	25000	1.3	30.0
Bisphenol-A	Ave	0.5881	0.5749		24400	25000	-2.2	30.0
Butyl benzyl phthalate	Ave	0.6586	0.6735	0.0100	25600	25000	2.3	30.0
Carbamazepine	Ave	0.4873	0.4789	0.0100	24600	25000	-1.7	30.0
3,3'-Dichlorobenzidine	Ave	0.4010	0.4042	0.0100	25200	25000	0.8	30.0
Benzo[a]anthracene	Ave	1.217	1.224	0.8000	25200	25000	0.6	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.9216	0.9292	0.0100	25200	25000	0.8	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111954-1
 SDG No.: _____
 Lab Sample ID: ICV 460-361776/18 Calibration Date: 04/11/2016 17:42
 Instrument ID: CBNAMS12 Calib Start Date: 04/11/2016 10:45
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 14:12
 Lab File ID: L132507.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chrysene	Ave	1.097	1.178	0.7000	26800	25000	7.4	30.0
Di-n-octyl phthalate	Ave	1.689	1.738	0.0100	25700	25000	2.9	30.0
Benzo[b]fluoranthene	Ave	1.162	1.192	0.7000	25600	25000	2.5	30.0
Benzo[k]fluoranthene	Ave	1.215	1.350	0.7000	27800	25000	11.1	30.0
Benzo[a]pyrene	Ave	1.095	1.167	0.7000	26600	25000	6.6	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.9854	1.255	0.5000	31900	25000	27.4	30.0
Dibenz(a,h)anthracene	Ave	0.9437	1.053	0.4000	27900	25000	11.5	30.0
Benzo[g,h,i]perylene	Ave	1.050	1.094	0.5000	26100	25000	4.2	30.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132507.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 11-Apr-2016 17:42:30 ALS Bottle#: 18 Worklist Smp#: 18
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-018
 Operator ID: Instrument ID: CBNAMS12
 Sublist:
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:30:49 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 18:38:58

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	1.841	1.835	0.006	96	51242	25.0	27.0	
2 N-Nitrosodimethylamine	74	2.082	2.076	0.006	78	60728	25.0	22.1	
3 Pyridine	79	2.117	2.111	0.006	78	127449	25.0	26.1	
7 Phenol	94	4.223	4.223	0.000	98	150511	25.0	25.2	
8 Aniline	93	4.264	4.258	0.006	99	175642	25.0	24.2	
9 Bis(2-chloroethyl)ether	93	4.317	4.323	-0.006	94	116191	25.0	24.4	
10 2-Chlorophenol	128	4.382	4.382	0.000	94	129360	25.0	25.7	
11 n-Decane	43	4.435	4.429	0.006	95	203658	25.0	26.2	
12 1,3-Dichlorobenzene	146	4.540	4.540	0.000	95	146429	25.0	26.2	
* 13 1,4-Dichlorobenzene-d4	152	4.599	4.594	0.005	97	145237	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.611	4.611	0.000	94	148021	25.0	26.1	
15 Benzyl alcohol	108	4.723	4.723	0.000	93	76601	25.0	24.7	
16 1,2-Dichlorobenzene	146	4.770	4.764	0.006	95	138700	25.0	25.9	
17 2-Methylphenol	108	4.835	4.835	-0.001	89	111617	25.0	25.7	
18 2,2'-oxybis[1-chloropropan	45	4.864	4.864	0.000	93	240010	25.0	24.7	
20 3 & 4 Methylphenol	108	4.987	4.993	-0.006	87	121477	25.0	25.4	
19 4-Methylphenol	108	4.987	4.993	-0.006	83	121477	25.0	25.4	
21 N-Nitrosodi-n-propylamine	70	4.993	4.999	-0.006	82	80374	25.0	24.1	
22 Acetophenone	105	4.993	4.999	-0.006	91	157049	25.0	25.6	
25 Hexachloroethane	117	5.111	5.111	0.000	94	57976	25.0	26.2	
27 Nitrobenzene	77	5.170	5.170	0.000	91	163956	25.0	25.5	
28 n,n'-Dimethylaniline	120	5.176	5.176	0.000	95	174801	25.0	24.8	
29 Isophorone	82	5.405	5.411	-0.006	99	205646	25.0	25.9	
30 2-Nitrophenol	139	5.487	5.487	0.000	89	62728	25.0	25.7	
31 2,4-Dimethylphenol	122	5.529	5.529	0.000	91	100278	25.0	24.7	
32 Bis(2-chloroethoxy)methane	93	5.623	5.623	0.000	97	130221	25.0	25.2	
33 Benzoic acid	122	5.605	5.635	-0.030	90	44298	25.0	22.4	
34 2,4-Dichlorophenol	162	5.729	5.729	0.000	95	92598	25.0	25.5	
35 1,2,4-Trichlorobenzene	180	5.823	5.823	0.000	95	103069	25.0	26.1	
* 36 Naphthalene-d8	136	5.876	5.876	0.000	99	523900	40.0	40.0	
37 Naphthalene	128	5.899	5.899	0.000	99	353168	25.0	26.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
38 4-Chloroaniline	127	5.946	5.946	0.000	96	132348	25.0	24.5	
39 Hexachlorobutadiene	225	6.034	6.029	0.005	94	58259	25.0	26.2	
41 4-Chloro-3-methylphenol	107	6.429	6.429	0.000	98	91978	25.0	25.9	
42 2-Methylnaphthalene	142	6.593	6.593	0.000	86	221185	25.0	24.7	
43 1-Methylnaphthalene	142	6.693	6.693	0.000	93	207601	25.0	26.8	
44 Hexachlorocyclopentadiene	237	6.758	6.758	0.000	96	43016	25.0	23.7	
45 1,2,4,5-Tetrachlorobenzene	216	6.764	6.764	0.000	96	89987	25.0	26.0	
46 2-tertbutyl-4-methylphenol	149	6.787	6.787	0.000	90	146310	25.0	25.1	
48 2,4,6-Trichlorophenol	196	6.876	6.876	0.000	89	59793	25.0	25.8	
49 2,4,5-Trichlorophenol	196	6.905	6.905	0.000	95	63391	25.0	26.2	
51 1,1'-Biphenyl	154	7.058	7.058	0.000	95	263027	25.0	25.9	
52 2-Chloronaphthalene	162	7.081	7.081	0.000	97	195043	25.0	26.0	
53 Phenyl ether	170	7.164	7.164	0.000	90	134703	25.0	25.9	
54 2-Nitroaniline	65	7.176	7.176	0.000	98	71685	25.0	25.4	
55 1,3-Dimethylnaphthalene	156	7.299	7.299	0.000	92	168793	25.0	26.8	
58 Dimethyl phthalate	163	7.358	7.358	0.000	99	206061	25.0	26.2	
59 Coumarin	146	7.381	7.387	-0.006	77	66355	25.0	25.2	
60 2,6-Dinitrotoluene	165	7.411	7.417	-0.006	95	47581	25.0	26.1	
61 Acenaphthylene	152	7.493	7.493	0.000	98	293824	25.0	25.3	
62 3-Nitroaniline	138	7.581	7.587	-0.006	95	50726	25.0	25.4	
* 63 Acenaphthene-d10	164	7.634	7.629	0.005	93	258666	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.646	7.652	-0.006	98	163431	25.0	26.5	
65 Acenaphthene	154	7.664	7.670	-0.006	94	215240	25.0	26.6	
66 2,4-Dinitrophenol	184	7.681	7.687	-0.006	77	50733	50.0	48.2	
67 4-Nitrophenol	65	7.740	7.746	-0.006	92	70751	50.0	49.9	
68 2,4-Dinitrotoluene	165	7.811	7.817	-0.006	95	60501	25.0	27.1	
69 Dibenzofuran	168	7.834	7.834	0.000	96	268753	25.0	25.7	
70 2,3,4,6-Tetrachlorophenol	232	7.958	7.958	0.000	93	46743	25.0	25.4	
71 Diethyl phthalate	149	8.052	8.058	-0.006	98	200304	25.0	25.7	
73 4-Chlorophenyl phenyl ethe	204	8.170	8.170	0.000	85	92978	25.0	25.9	
74 Fluorene	166	8.175	8.176	-0.001	95	213767	25.0	25.7	
75 4-Nitroaniline	138	8.181	8.193	-0.012	92	48993	25.0	25.8	
76 4,6-Dinitro-2-methylphenol	198	8.217	8.223	-0.006	81	65774	50.0	50.2	
77 N-Nitrosodiphenylamine	169	8.287	8.287	0.000	68	295717	42.5	51.2	
78 1,2-Diphenylhydrazine	77	8.328	8.328	0.000	99	222748	25.0	26.5	
80 4-Bromophenyl phenyl ether	248	8.652	8.652	0.000	84	51875	25.0	25.2	
81 Hexachlorobenzene	284	8.722	8.728	-0.006	99	53996	25.0	25.6	
83 Pentachlorophenol	266	8.911	8.917	-0.006	92	71751	50.0	56.0	
84 Pentachloronitrobenzene	237	8.928	8.928	0.000	86	23671	25.0	27.8	
72 n-Octadecane	57	8.981	8.987	-0.006	92	186505	25.0	24.8	
* 85 Phenanthrene-d10	188	9.099	9.099	0.000	99	379799	40.0	40.0	
86 Phenanthrene	178	9.122	9.123	-0.001	98	279208	25.0	25.4	
87 Anthracene	178	9.175	9.175	0.000	98	281686	25.0	25.6	
88 Carbazole	167	9.322	9.328	-0.006	96	246777	25.0	25.7	
89 Di-n-butyl phthalate	149	9.664	9.664	0.000	100	313217	25.0	26.0	
90 Fluoranthene	202	10.299	10.299	0.000	97	261965	25.0	26.1	
91 Benzidine	184	10.422	10.422	0.000	99	103160	25.0	22.5	
92 Pyrene	202	10.534	10.534	0.000	97	268808	25.0	25.3	
93 Bisphenol-A	213	10.564	10.564	0.000	99	104025	25.0	24.4	
95 Butyl benzyl phthalate	149	11.228	11.234	-0.006	97	121854	25.0	25.6	
97 Carbamazepine	193	11.363	11.369	-0.006	93	86643	25.0	24.6	
98 3,3'-Dichlorobenzidine	252	11.881	11.887	-0.006	99	73136	25.0	25.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 Benzo[a]anthracene	228	11.922	11.922	0.000	99	221434	25.0	25.2	
* 100 Chrysene-d12	240	11.934	11.928	0.006	98	289494	40.0	40.0	
102 Bis(2-ethylhexyl) phthalat	149	11.952	11.952	0.000	89	168115	25.0	25.2	
101 Chrysene	228	11.969	11.969	0.000	98	213178	25.0	26.8	
103 Di-n-octyl phthalate	149	12.834	12.840	-0.006	97	268307	25.0	25.7	
104 Benzo[b]fluoranthene	252	13.375	13.381	-0.006	98	183920	25.0	25.6	
105 Benzo[k]fluoranthene	252	13.416	13.422	-0.006	99	208320	25.0	27.8	
106 Benzo[a]pyrene	252	13.834	13.840	-0.006	96	180129	25.0	26.6	
* 107 Perylene-d12	264	13.916	13.917	-0.001	95	246937	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.399	15.410	-0.011	97	193763	25.0	31.9	
109 Dibenz(a,h)anthracene	278	15.428	15.440	-0.012	93	162462	25.0	27.9	
110 Benzo[g,h,i]perylene	276	15.787	15.793	-0.006	94	168900	25.0	26.1	

Reagents:

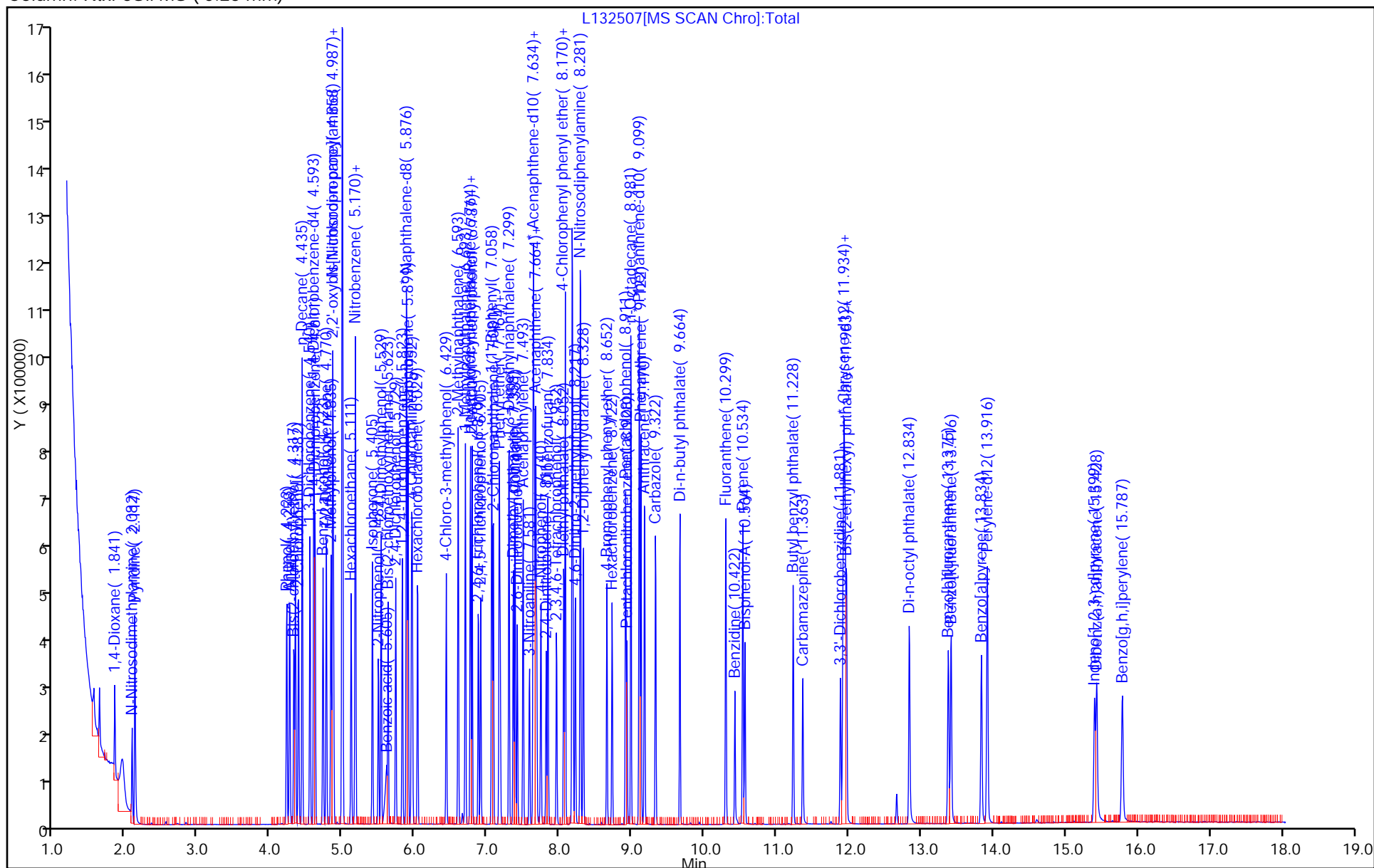
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Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132507.D		
Injection Date:	11-Apr-2016 17:42:30	Instrument ID:	CBNAMS12
Lims ID:	ICV		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)		

Operator ID:
Worklist Smp#: 18
ALS Bottle#: 18



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111954-1
SDG No.: _____
Lab Sample ID: ICV 460-361776/19 Calibration Date: 04/11/2016 18:51
Instrument ID: CBNAMS12 Calib Start Date: 04/11/2016 14:39
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 17:16
Lab File ID: L132508A.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.124	1.338	0.0100	29800	25000	19.0	30.0
Caprolactam	Ave	0.0771	0.0988	0.0100	32000	25000	28.1	30.0
Atrazine	Ave	0.1969	0.2362	0.0100	30000	25000	20.0	30.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132508A.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 11-Apr-2016 18:51:30 ALS Bottle#: 19 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-019
 Operator ID: Instrument ID: CBNAMS12
 Sublist:
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:30:49 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 19:10:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.152	4.153	0.000	93	145567	25.0	29.8	
* 13 1,4-Dichlorobenzene-d4	152	4.594	4.594	0.000	97	174034	40.0	40.0	
* 36 Naphthalene-d8	136	5.876	5.876	0.000	99	631855	40.0	40.0	
40 Caprolactam	113	6.264	6.270	-0.006	88	39012	25.0	32.0	
* 63 Acenaphthene-d10	164	7.635	7.629	0.006	92	317275	40.0	40.0	
82 Atrazine	200	8.805	8.805	0.000	88	71236	25.0	30.0	
* 85 Phenanthrene-d10	188	9.099	9.099	0.000	99	482499	40.0	40.0	
* 100 Chrysene-d12	240	11.934	11.928	0.006	98	349384	40.0	40.0	
* 107 Perylene-d12	264	13.922	13.917	0.005	96	271524	40.0	40.0	

Reagents:

SM_ICV-short_00009

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160411-39690.b\\L132508A.D

Injection Date: 11-Apr-2016 18:51:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: ICV

Worklist Smp#: 19

Client ID:

Injection Vol: 1.0 ul

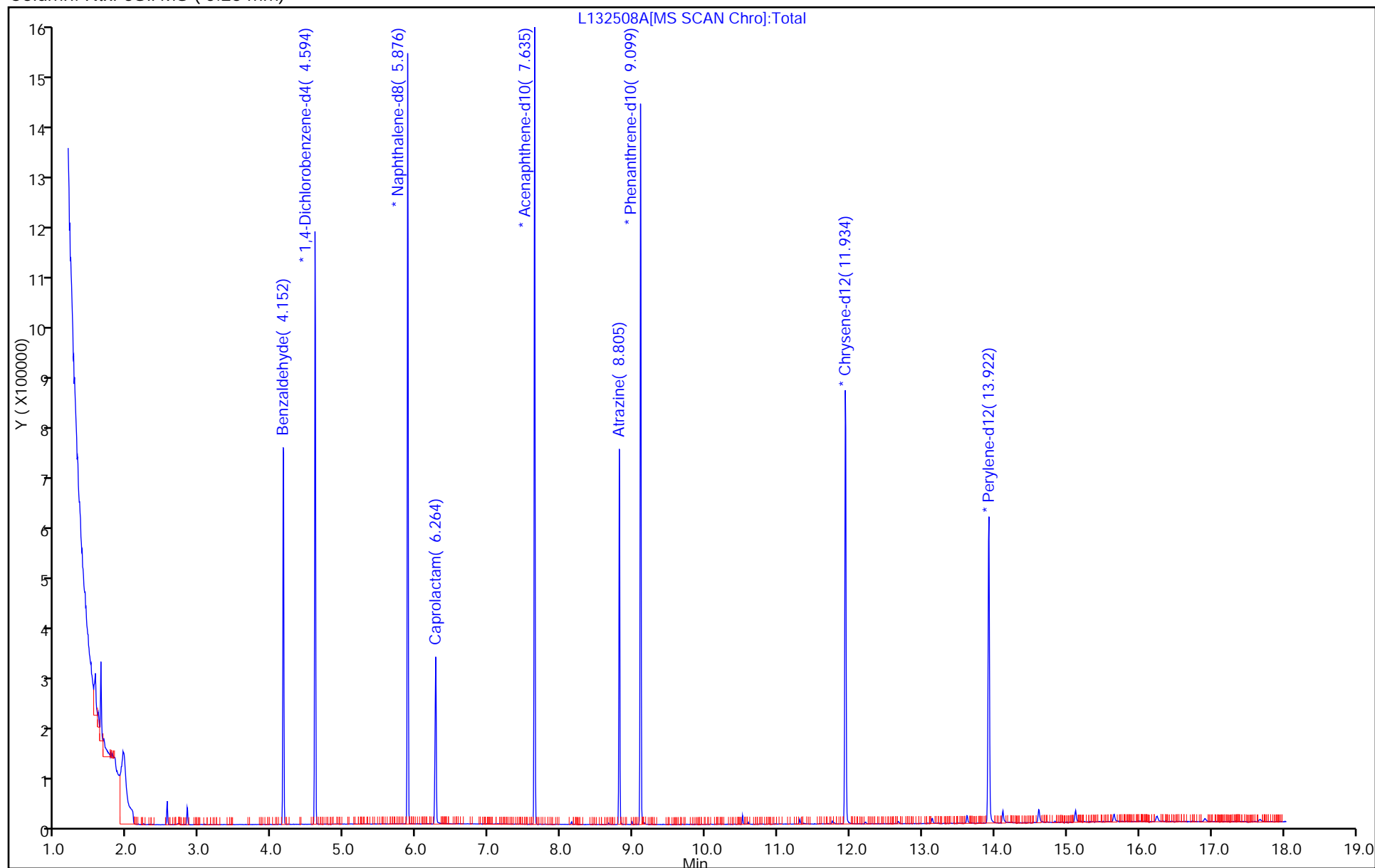
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: 8270_12R_9

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.: 460-111954-1

SDG No.: _____

Lab Sample ID: CCVIS 460-362222/2 Calibration Date: 04/13/2016 04:42

Instrument ID: CBNAMS12 Calib Start Date: 04/11/2016 10:45

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 14:12

Lab File ID: L132570.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5236	0.5185	0.0100	49500	50000	-1.0	20.0
N-Nitrosodimethylamine	Ave	0.7555	0.7474		49500	50000	-1.1	20.0
Pyridine	Ave	1.345	1.321		49100	50000	-1.7	20.0
Phenol	Ave	1.643	1.606	0.8000	48900	50000	-2.3	20.0
Aniline	Ave	2.002	1.896		47300	50000	-5.3	20.0
Bis(2-chloroethyl)ether	Ave	1.314	1.205	0.7000	45900	50000	-8.3	20.0
2-Chlorophenol	Ave	1.387	1.333	0.8000	48100	50000	-3.9	20.0
n-Decane	Ave	2.139	2.187	0.0100	51100	50000	2.3	20.0
1,3-Dichlorobenzene	Ave	1.537	1.534		49900	50000	-0.2	20.0
1,4-Dichlorobenzene	Ave	1.565	1.536		49100	50000	-1.8	20.0
Benzyl alcohol	Ave	0.8545	0.7798	0.0100	45600	50000	-8.7	20.0
1,2-Dichlorobenzene	Ave	1.477	1.448		49000	50000	-2.0	20.0
2-Methylphenol	Ave	1.198	1.103	0.7000	46000	50000	-8.0	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.678	2.526	0.0100	47200	50000	-5.6	20.0
3 & 4 Methylphenol	Ave	1.316	1.191		45300	50000	-9.5	20.0
4-Methylphenol	Ave	1.316	1.191	0.6000	45300	50000	-9.5	20.0
Acetophenone	Ave	1.691	1.526	0.0100	45100	50000	-9.8	20.0
N-Nitrosodi-n-propylamine	Ave	0.9182	0.8197	0.5000	44600	50000	-10.7	20.0
Hexachloroethane	Ave	0.6101	0.5972	0.3000	48900	50000	-2.1	20.0
n,n'-Dimethylaniline	Ave	1.943	1.931	0.0100	49700	50000	-0.6	20.0
Nitrobenzene	Ave	0.4911	0.5061	0.2000	51500	50000	3.0	20.0
Isophorone	Ave	0.6069	0.5736	0.4000	47300	50000	-5.5	20.0
2-Nitrophenol	Ave	0.1865	0.1876	0.1000	50300	50000	0.6	20.0
2,4-Dimethylphenol	Ave	0.3100	0.2995	0.2000	48300	50000	-3.4	20.0
Bis(2-chloroethoxy)methane	Ave	0.3939	0.3822	0.3000	48500	50000	-3.0	20.0
Benzoic acid	Lin2		0.1467		44900	50000	-10.2	20.0
2,4-Dichlorophenol	Ave	0.2773	0.2744	0.2000	49500	50000	-1.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3018	0.3003		49700	50000	-0.5	20.0
Naphthalene	Ave	1.031	1.010	0.7000	49000	50000	-2.0	20.0
4-Chloroaniline	Ave	0.4126	0.3951	0.0100	47900	50000	-4.2	20.0
Hexachlorobutadiene	Ave	0.1699	0.1736	0.0100	51100	50000	2.2	20.0
4-Chloro-3-methylphenol	Ave	0.2716	0.2504		46100	50000	-7.8	20.0
2-Methylnaphthalene	Ave	0.6830	0.6481	0.4000	47400	50000	-5.1	20.0
1-Methylnaphthalene	Ave	0.5915	0.5545	0.0100	46900	50000	-6.3	20.0
Hexachlorocyclopentadiene	Ave	0.2810	0.3392	0.0500	60400	50000	20.7*	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5342	0.5655	0.0100	52900	50000	5.9	20.0
2-tertbutyl-4-methylphenol	Ave	0.4454	0.4212	0.0100	47300	50000	-5.4	20.0
2,4,6-Trichlorophenol	Lin2		0.3568	0.2000	49400	50000	-1.1	20.0
2,4,5-Trichlorophenol	Ave	0.3737	0.3717	0.2000	49700	50000	-0.5	20.0
1,1'-Biphenyl	Ave	1.568	1.591	0.0100	50700	50000	1.5	20.0
2-Chloronaphthalene	Ave	1.162	1.203	0.8000	51800	50000	3.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Lab Sample ID: CCVIS 460-362222/2 Calibration Date: 04/13/2016 04:42

Instrument ID: CBNAMS12 Calib Start Date: 04/11/2016 10:45

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 14:12

Lab File ID: L132570.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8046	0.8300	0.0100	51600	50000	3.2	20.0
2-Nitroaniline	Ave	0.4371	0.4327	0.0100	49500	50000	-1.0	20.0
1,3-Dimethylnaphthalene	Ave	0.9750	1.032	0.0100	52900	50000	5.8	20.0
Dimethyl phthalate	Ave	1.215	1.117	0.0100	46000	50000	-8.1	20.0
Coumarin	Ave	0.2009	0.1686	0.0100	41900	50000	-16.1	20.0
2,6-Dinitrotoluene	Ave	0.2820	0.2667	0.2000	47300	50000	-5.4	20.0
Acenaphthylene	Ave	1.795	1.767	0.9000	49200	50000	-1.6	20.0
3-Nitroaniline	Ave	0.3090	0.2829	0.0100	45800	50000	-8.4	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9548	1.032	0.0100	54100	50000	8.1	20.0
Acenaphthene	Ave	1.252	1.115	0.9000	44500	50000	-11.0	20.0
2,4-Dinitrophenol	Qua		0.1386	0.0100	81100	100000	-18.9	20.0
4-Nitrophenol	Ave	0.2192	0.1890	0.0100	86200	100000	-13.8	20.0
2,4-Dinitrotoluene	Ave	0.3455	0.3208	0.2000	46400	50000	-7.2	20.0
Dibenzofuran	Ave	1.615	1.544	0.8000	47800	50000	-4.4	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2845	0.2527	0.0100	44400	50000	-11.2	20.0
Diethyl phthalate	Ave	1.203	1.061	0.0100	44100	50000	-11.8	20.0
4-Chlorophenyl phenyl ether	Ave	0.5543	0.5153	0.4000	46500	50000	-7.0	20.0
Fluorene	Ave	1.288	1.203	0.9000	46700	50000	-6.6	20.0
4-Nitroaniline	Ave	0.2931	0.2605	0.0100	44400	50000	-11.1	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1282	0.0100	91300	100000	-8.7	20.0
N-Nitrosodiphenylamine	Ave	0.6084	0.6251	0.0100	103000	100000	2.8	20.0
1,2-Diphenylhydrazine	Ave	0.8860	0.9305	0.0100	52500	50000	5.0	20.0
4-Bromophenyl phenyl ether	Ave	0.2172	0.2241	0.1000	51600	50000	3.2	20.0
Hexachlorobenzene	Ave	0.2222	0.2285	0.1000	51400	50000	2.8	20.0
Pentachlorophenol	Ave	0.1350	0.1223	0.0500	90600	100000	-9.4	20.0
Pentachloronitrobenzene	Ave	0.0896	0.0941	0.0100	52500	50000	5.0	20.0
n-Octadecane	Ave	0.7922	0.8452	0.0100	53300	50000	6.7	20.0
Phenanthrene	Ave	1.158	1.149	0.7000	49600	50000	-0.7	20.0
Anthracene	Ave	1.158	1.155	0.7000	49900	50000	-0.3	20.0
Carbazole	Ave	1.011	0.9771	0.0100	48300	50000	-3.3	20.0
Di-n-butyl phthalate	Ave	1.271	1.178	0.0100	46300	50000	-7.3	20.0
Fluoranthene	Ave	1.056	0.9948	0.6000	47100	50000	-5.8	20.0
Benzidine	QuaF		0.5255		48600	50000	-2.8	20.0
Pyrene	Ave	1.466	1.417	0.6000	48300	50000	-3.3	20.0
Bisphenol-A	Ave	0.5881	0.5381		45700	50000	-8.5	20.0
Butyl benzyl phthalate	Ave	0.6586	0.6385	0.0100	48500	50000	-3.1	20.0
2,3,7,8-TCDD	Ave	0.1521	0.1346	0.0100	442	500	-11.5	20.0
Carbamazepine	Ave	0.4873	0.4090	0.0100	42000	50000	-16.1	20.0
3,3'-Dichlorobenzidine	Ave	0.4010	0.4390	0.0100	54700	50000	9.5	20.0
Benzo[a]anthracene	Ave	1.217	1.174	0.8000	48300	50000	-3.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111954-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-362222/2 Calibration Date: 04/13/2016 04:42
 Instrument ID: CBNAMS12 Calib Start Date: 04/11/2016 10:45
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 14:12
 Lab File ID: L132570.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	0.9216	0.9037	0.0100	49000	50000	-1.9	20.0
Chrysene	Ave	1.097	1.087	0.7000	49500	50000	-0.9	20.0
Di-n-octyl phthalate	Ave	1.689	1.562	0.0100	46300	50000	-7.5	20.0
Benzo[b]fluoranthene	Ave	1.162	1.136	0.7000	48900	50000	-2.2	20.0
Benzo[k]fluoranthene	Ave	1.215	1.177	0.7000	48400	50000	-3.1	20.0
Benzo[a]pyrene	Ave	1.095	1.142	0.7000	52200	50000	4.3	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9854	1.146	0.5000	58200	50000	16.3	20.0
Dibenz(a,h)anthracene	Ave	0.9437	1.118	0.4000	59300	50000	18.5	20.0
Benzo[g,h,i]perylene	Ave	1.050	1.166	0.5000	55500	50000	11.0	20.0
2-Fluorophenol (Surr)	Ave	1.360	1.391	0.0100	51100	50000	2.2	20.0
Phenol-d5 (Surr)	Ave	1.650	1.652	0.0100	50000	50000	0.0	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3833	0.4022	0.0100	52500	50000	4.9	20.0
2-Fluorobiphenyl	Ave	1.428	1.541	0.0100	54000	50000	7.9	20.0
2,4,6-Tribromophenol (Surr)	Lin2		0.1494	0.0100	44600	50000	-10.8	20.0
Terphenyl-d14 (Surr)	Ave	1.000	1.012	0.0100	50600	50000	1.2	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132570.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 13-Apr-2016 04:42:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039783-002
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub18
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 13-Apr-2016 12:54:15 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: manlangitf

Date: 13-Apr-2016 05:29:30

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	1.741	1.741	0.000	95	117755	50.0	49.5	
2 N-Nitrosodimethylamine	74	1.982	1.982	0.000	76	169729	50.0	49.5	
3 Pyridine	79	2.017	2.017	0.000	78	300089	50.0	49.1	
\$ 4 2-Fluorophenol	112	3.182	3.182	0.000	93	315821	50.0	51.1	
\$ 6 Phenol-d5	99	4.105	4.105	0.000	86	375171	50.0	50.0	
7 Phenol	94	4.123	4.123	0.000	98	364675	50.0	48.9	
8 Aniline	93	4.146	4.146	0.000	99	430490	50.0	47.3	
9 Bis(2-chloroethyl)ether	93	4.211	4.211	0.000	93	273648	50.0	45.9	
10 2-Chlorophenol	128	4.270	4.270	0.000	94	302718	50.0	48.1	
11 n-Decane	43	4.317	4.317	0.000	95	496694	50.0	51.1	
12 1,3-Dichlorobenzene	146	4.423	4.423	0.000	95	348337	50.0	49.9	
* 13 1,4-Dichlorobenzene-d4	152	4.482	4.482	0.000	96	181675	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.493	4.493	0.000	94	348867	50.0	49.1	
15 Benzyl alcohol	108	4.611	4.611	0.000	92	177088	50.0	45.6	
16 1,2-Dichlorobenzene	146	4.652	4.652	0.000	95	328889	50.0	49.0	
17 2-Methylphenol	108	4.729	4.729	0.000	88	250390	50.0	46.0	
18 2,2'-oxybis[1-chloropropan	45	4.752	4.752	0.000	92	573733	50.0	47.2	
19 4-Methylphenol	108	4.887	4.887	0.000	87	270525	50.0	45.3	
20 3 & 4 Methylphenol	108	4.887	4.887	0.000	85	270525	50.0	45.3	
21 N-Nitrosodi-n-propylamine	70	4.887	4.887	0.000	89	186146	50.0	44.6	
22 Acetophenone	105	4.887	4.887	0.000	90	346639	50.0	45.1	
25 Hexachloroethane	117	4.993	4.993	0.000	94	135624	50.0	48.9	
\$ 26 Nitrobenzene-d5	82	5.035	5.035	0.000	92	310974	50.0	52.5	
27 Nitrobenzene	77	5.058	5.058	0.000	90	391311	50.0	51.5	
28 n,n'-Dimethylaniline	120	5.058	5.058	0.000	94	438569	50.0	49.7	
29 Isophorone	82	5.299	5.299	0.000	98	443524	50.0	47.3	
30 2-Nitrophenol	139	5.376	5.376	0.000	88	145070	50.0	50.3	
31 2,4-Dimethylphenol	122	5.423	5.423	0.000	91	231556	50.0	48.3	
32 Bis(2-chloroethoxy)methane	93	5.517	5.517	0.000	98	295540	50.0	48.5	
33 Benzoic acid	122	5.535	5.535	0.000	91	113403	50.0	44.9	
34 2,4-Dichlorophenol	162	5.623	5.623	0.000	95	212172	50.0	49.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.705	5.705	0.000	95	232183	50.0	49.7	
* 36 Naphthalene-d8	136	5.764	5.764	0.000	99	618604	40.0	40.0	
37 Naphthalene	128	5.787	5.787	0.000	99	780976	50.0	49.0	
38 4-Chloroaniline	127	5.840	5.840	0.000	96	305521	50.0	47.9	
39 Hexachlorobutadiene	225	5.917	5.917	0.000	95	134250	50.0	51.1	
41 4-Chloro-3-methylphenol	107	6.323	6.323	0.000	98	193621	50.0	46.1	
42 2-Methylnaphthalene	142	6.482	6.482	0.000	85	501179	50.0	47.4	
43 1-Methylnaphthalene	142	6.576	6.576	0.000	93	428758	50.0	46.9	
44 Hexachlorocyclopentadiene	237	6.646	6.646	0.000	94	117120	50.0	60.4	
45 1,2,4,5-Tetrachlorobenzene	216	6.652	6.652	0.000	96	195265	50.0	52.9	
46 2-tertbutyl-4-methylphenol	149	6.681	6.681	0.000	90	325709	50.0	47.3	
48 2,4,6-Trichlorophenol	196	6.764	6.764	0.000	89	123213	50.0	49.4	
49 2,4,5-Trichlorophenol	196	6.793	6.793	0.000	95	128326	50.0	49.7	
\$ 50 2-Fluorobiphenyl	172	6.846	6.846	0.000	97	532072	50.0	54.0	
51 1,1'-Biphenyl	154	6.946	6.946	0.000	95	549318	50.0	50.7	
52 2-Chloronaphthalene	162	6.964	6.964	0.000	97	415457	50.0	51.8	
53 Phenyl ether	170	7.046	7.046	0.000	89	286590	50.0	51.6	
54 2-Nitroaniline	65	7.064	7.064	0.000	98	149400	50.0	49.5	
55 1,3-Dimethylnaphthalene	156	7.181	7.181	0.000	92	356291	50.0	52.9	
58 Dimethyl phthalate	163	7.246	7.246	0.000	99	385782	50.0	46.0	
59 Coumarin	146	7.270	7.270	0.000	74	130342	50.0	41.9	
60 2,6-Dinitrotoluene	165	7.305	7.305	0.000	94	92074	50.0	47.3	
61 Acenaphthylene	152	7.376	7.376	0.000	97	610070	50.0	49.2	
62 3-Nitroaniline	138	7.470	7.470	0.000	94	97691	50.0	45.8	
* 63 Acenaphthene-d10	164	7.517	7.517	0.000	93	276233	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.534	7.534	0.000	98	356477	50.0	54.1	
65 Acenaphthene	154	7.552	7.552	0.000	95	384937	50.0	44.5	
66 2,4-Dinitrophenol	184	7.570	7.570	0.000	93	95702	100.0	81.1	
67 4-Nitrophenol	65	7.640	7.640	0.000	92	130513	100.0	86.2	
68 2,4-Dinitrotoluene	165	7.705	7.705	0.000	96	110760	50.0	46.4	
69 Dibenzofuran	168	7.723	7.723	0.000	96	533018	50.0	47.8	
70 2,3,4,6-Tetrachlorophenol	232	7.840	7.840	0.000	92	87255	50.0	44.4	
71 Diethyl phthalate	149	7.946	7.946	0.000	98	366305	50.0	44.1	
73 4-Chlorophenyl phenyl ethe	204	8.058	8.058	0.000	83	177912	50.0	46.5	
74 Fluorene	166	8.058	8.058	0.000	96	415246	50.0	46.7	
75 4-Nitroaniline	138	8.076	8.076	0.000	93	89947	50.0	44.4	
76 4,6-Dinitro-2-methylphenol	198	8.105	8.105	0.000	79	112510	100.0	91.3	
77 N-Nitrosodiphenylamine	169	8.176	8.176	0.000	68	548647	100.0	102.8	
78 1,2-Diphenylhydrazine	77	8.217	8.217	0.000	99	408346	50.0	52.5	
\$ 79 2,4,6-Tribromophenol	330	8.299	8.299	0.000	94	51581	50.0	44.6	
80 4-Bromophenyl phenyl ether	248	8.540	8.540	0.000	88	98359	50.0	51.6	
81 Hexachlorobenzene	284	8.611	8.611	0.000	99	100264	50.0	51.4	
83 Pentachlorophenol	266	8.799	8.799	0.000	92	107355	100.0	90.6	
84 Pentachloronitrobenzene	237	8.817	8.817	0.000	87	41297	50.0	52.5	
72 n-Octadecane	57	8.875	8.875	0.000	92	370891	50.0	53.3	
* 85 Phenanthrene-d10	188	8.981	8.981	0.000	99	351067	40.0	40.0	
86 Phenanthrene	178	9.005	9.005	0.000	98	504255	50.0	49.6	
87 Anthracene	178	9.058	9.058	0.000	98	506898	50.0	49.9	
88 Carbazole	167	9.211	9.211	0.000	96	428800	50.0	48.3	
89 Di-n-butyl phthalate	149	9.552	9.552	0.000	100	516811	50.0	46.3	
90 Fluoranthene	202	10.175	10.175	0.000	97	436534	50.0	47.1	
91 Benzidine	184	10.305	10.305	0.000	99	230584	50.0	48.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Pyrene	202	10.405	10.405	0.000	97	440226	50.0	48.3	
93 Bisphenol-A	213	10.446	10.446	0.000	99	167112	50.0	45.7	
\$ 94 Terphenyl-d14	244	10.564	10.564	0.000	99	314229	50.0	50.6	
95 Butyl benzyl phthalate	149	11.099	11.099	0.000	97	198298	50.0	48.5	
96 2,3,7,8-TCDD	320	11.216	11.216	0.000	86	418	0.5000	0.4424	
97 Carbamazepine	193	11.234	11.234	0.000	92	127022	50.0	42.0	
98 3,3'-Dichlorobenzidine	252	11.740	11.740	0.000	99	136344	50.0	54.7	
99 Benzo[a]anthracene	228	11.775	11.775	0.000	99	364649	50.0	48.3	
* 100 Chrysene-d12	240	11.787	11.787	0.000	98	248460	40.0	40.0	
102 Bis(2-ethylhexyl) phthalat	149	11.811	11.811	0.000	89	280671	50.0	49.0	
101 Chrysene	228	11.822	11.822	0.000	98	337653	50.0	49.5	
103 Di-n-octyl phthalate	149	12.687	12.687	0.000	97	478734	50.0	46.3	
104 Benzo[b]fluoranthene	252	13.216	13.216	0.000	97	348098	50.0	48.9	
105 Benzo[k]fluoranthene	252	13.252	13.252	0.000	99	360593	50.0	48.4	
106 Benzo[a]pyrene	252	13.669	13.669	0.000	96	350034	50.0	52.2	
* 107 Perylene-d12	264	13.746	13.746	0.000	96	245136	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.222	15.222	0.000	98	351256	50.0	58.2	
109 Dibenz(a,h)anthracene	278	15.252	15.252	0.000	95	342726	50.0	59.3	
110 Benzo[g,h,i]perylene	276	15.593	15.593	0.000	94	357238	50.0	55.5	

Reagents:

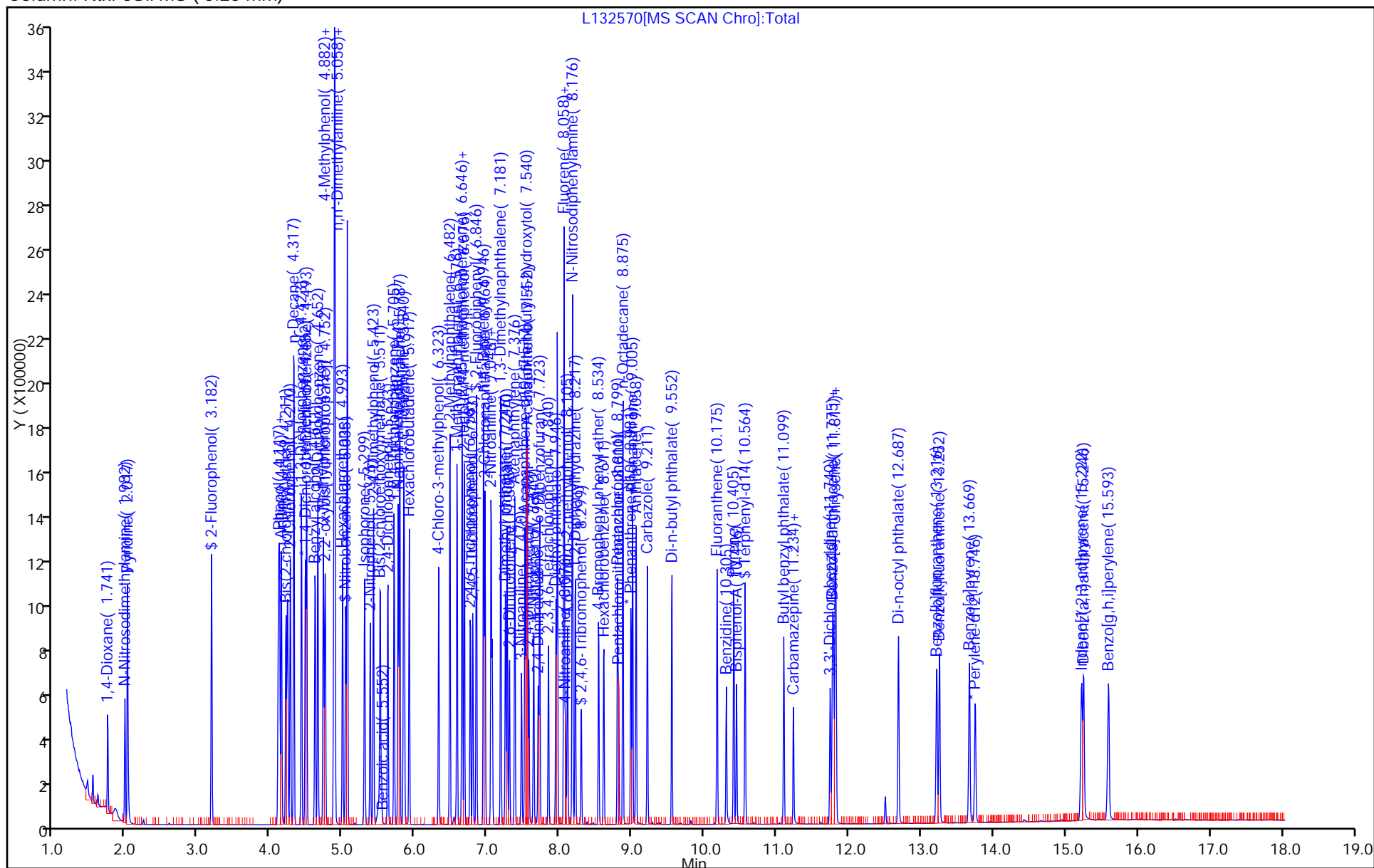
SV_IC_BNA_L6_00018

Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160413-39783.b\\L132570.D		
Injection Date:	13-Apr-2016 04:42:30	Instrument ID:	CBNAMS12
Lims ID:	ccvis		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)		

Operator ID:
Worklist Smp#: 2
ALS Bottle#: 2



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111954-1
SDG No.: _____
Lab Sample ID: CCV 460-362222/3 Calibration Date: 04/13/2016 06:27
Instrument ID: CBNAMS12 Calib Start Date: 04/11/2016 14:39
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 17:16
Lab File ID: L132571b.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.124	1.212	0.0100	53900	50000	7.8	20.0
Caprolactam	Ave	0.0771	0.0782	0.0100	50700	50000	1.4	20.0
Atrazine	Ave	0.1969	0.1879	0.0100	47700	50000	-4.6	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132571b.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 13-Apr-2016 06:27:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039783-003
 Operator ID: Instrument ID: CBNAMS12
 Sublist: chrom-8270_12R_9*sub15
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 13-Apr-2016 12:54:20 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.035	4.035	0.000	93	403286	50.0	53.9	
* 13 1,4-Dichlorobenzene-d4	152	4.476	4.476	0.000	97	266272	40.0	40.0	
* 36 Naphthalene-d8	136	5.758	5.758	0.000	99	955970	40.0	40.0	
40 Caprolactam	113	6.164	6.164	0.000	88	93486	50.0	50.7	
* 63 Acenaphthene-d10	164	7.511	7.511	0.000	93	431057	40.0	40.0	
82 Atrazine	200	8.693	8.693	0.000	88	122236	50.0	47.7	
* 85 Phenanthrene-d10	188	8.982	8.982	0.000	99	520469	40.0	40.0	
* 100 Chrysene-d12	240	11.781	11.781	0.000	98	280040	40.0	40.0	
* 107 Perylene-d12	264	13.740	13.740	0.000	96	229253	40.0	40.0	

Reagents:

SV_IC-S_L6_00017

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160413-39783.b\\L132571b.D

Injection Date: 13-Apr-2016 06:27:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: ccv

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

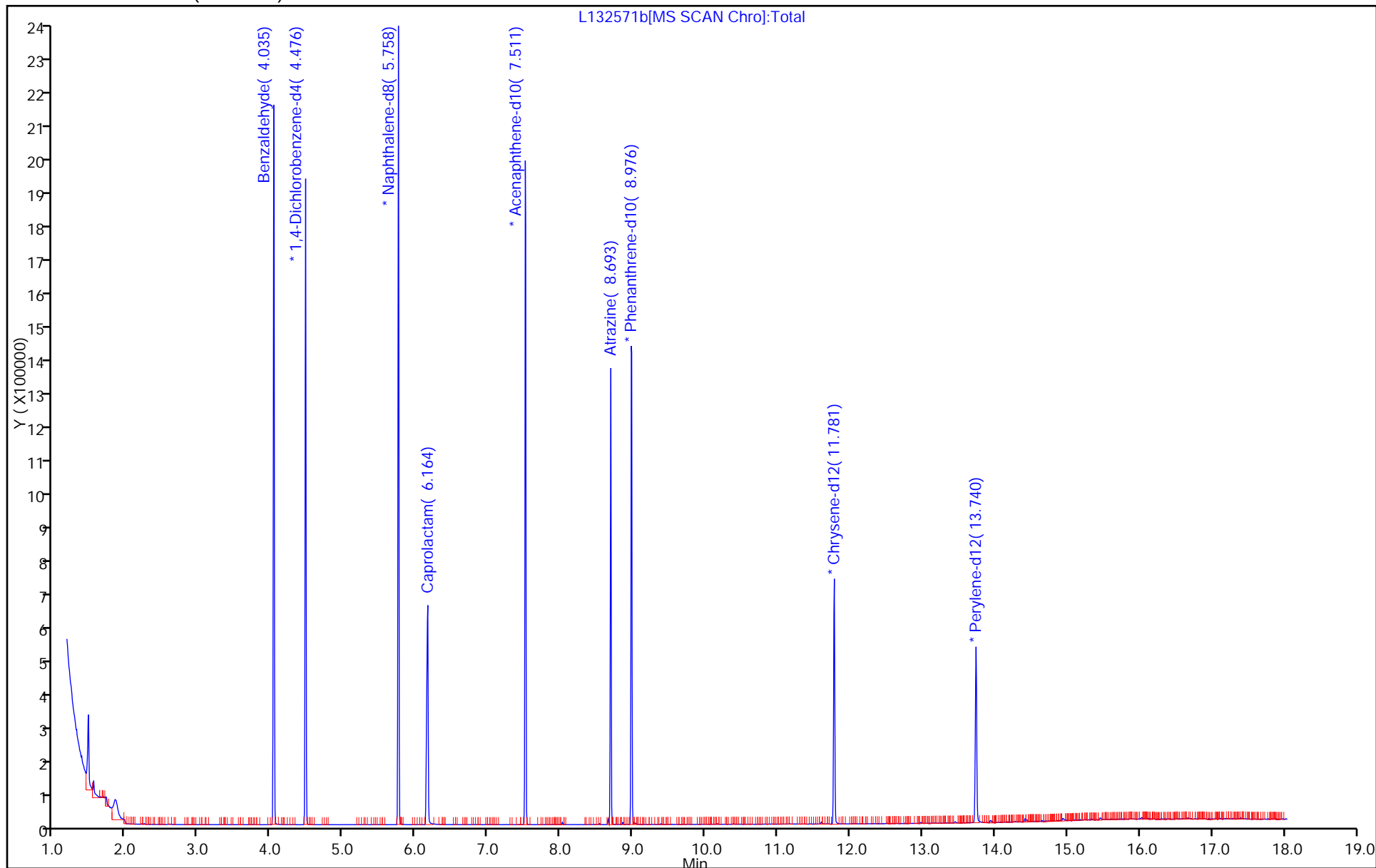
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8270_12R_9

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.: 460-111954-1

SDG No.: _____

Lab Sample ID: CCVIS 460-362226/2 Calibration Date: 04/13/2016 07:04

Instrument ID: CBNAMS5 Calib Start Date: 04/11/2016 13:47

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 17:01

Lab File ID: x12779.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5097	0.4878	0.0100	47900	50000	-4.3	20.0
N-Nitrosodimethylamine	Ave	0.7072	0.6492		45900	50000	-8.2	20.0
Pyridine	Ave	1.217	1.119		46000	50000	-8.0	20.0
Phenol	Ave	1.570	1.446	0.8000	46000	50000	-7.9	20.0
Aniline	Ave	1.905	1.696		44500	50000	-11.0	20.0
Bis(2-chloroethyl)ether	Ave	1.260	0.9866	0.7000	39200	50000	-21.7*	20.0
2-Chlorophenol	Ave	1.360	1.264	0.8000	46500	50000	-7.1	20.0
n-Decane	Ave	1.730	1.313	0.0100	37900	50000	-24.1*	20.0
1,3-Dichlorobenzene	Ave	1.723	1.597		46300	50000	-7.3	20.0
1,4-Dichlorobenzene	Ave	1.692	1.578		46600	50000	-6.8	20.0
Benzyl alcohol	Ave	0.8449	0.7813	0.0100	46200	50000	-7.5	20.0
1,2-Dichlorobenzene	Ave	1.611	1.481		46000	50000	-8.1	20.0
2-Methylphenol	Ave	1.189	1.068	0.7000	44900	50000	-10.2	20.0
2,2'-oxybis[1-chloropropane]	Qua		1.490	0.0100	41800	50000	-16.4	20.0
Acetophenone	Ave	1.457	1.379	0.0100	47300	50000	-5.3	20.0
3 & 4 Methylphenol	Ave	1.167	1.101		47200	50000	-5.7	20.0
4-Methylphenol	Ave	1.167	1.101	0.6000	47200	50000	-5.7	20.0
N-Nitrosodi-n-propylamine	Ave	0.8351	0.6821	0.5000	40800	50000	-18.3	20.0
Hexachloroethane	Ave	0.6110	0.5175	0.3000	42300	50000	-15.3	20.0
n,n'-Dimethylaniline	Ave	2.061	1.771	0.0100	43000	50000	-14.1	20.0
Nitrobenzene	Ave	0.5329	0.4600	0.2000	43200	50000	-13.7	20.0
Isophorone	Ave	0.6493	0.5515	0.4000	42500	50000	-15.1	20.0
2-Nitrophenol	Ave	0.2008	0.1980	0.1000	49300	50000	-1.4	20.0
2,4-Dimethylphenol	Ave	0.3303	0.3027	0.2000	45800	50000	-8.4	20.0
Bis(2-chloroethoxy)methane	Ave	0.3472	0.3020	0.3000	43500	50000	-13.0	20.0
Benzoic acid	Lin2		0.1798		60400	50000	20.8*	20.0
2,4-Dichlorophenol	Ave	0.3429	0.3281	0.2000	47800	50000	-4.3	20.0
1,2,4-Trichlorobenzene	Ave	0.4180	0.3875		46400	50000	-7.3	20.0
Naphthalene	Ave	1.055	0.9760	0.7000	46300	50000	-7.5	20.0
4-Chloroaniline	Ave	0.4041	0.3723	0.0100	46100	50000	-7.9	20.0
Hexachlorobutadiene	Ave	0.2848	0.2917	0.0100	51200	50000	2.4	20.0
4-Chloro-3-methylphenol	Ave	0.2697	0.2531		46900	50000	-6.2	20.0
2-Methylnaphthalene	Ave	0.7292	0.6652	0.4000	45600	50000	-8.8	20.0
1-Methylnaphthalene	Ave	0.6260	0.5761	0.0100	46000	50000	-8.0	20.0
Hexachlorocyclopentadiene	Ave	0.5848	0.5761	0.0500	49300	50000	-1.5	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7781	0.7901	0.0100	50800	50000	1.5	20.0
2-tertbutyl-4-methylphenol	Ave	0.4777	0.4610	0.0100	48300	50000	-3.5	20.0
2,4,6-Trichlorophenol	Ave	0.4313	0.4422	0.2000	51300	50000	2.5	20.0
2,4,5-Trichlorophenol	Ave	0.4378	0.4433	0.2000	50600	50000	1.2	20.0
1,1'-Biphenyl	Ave	1.673	1.531	0.0100	45800	50000	-8.5	20.0
2-Chloronaphthalene	Ave	1.260	1.196	0.8000	47500	50000	-5.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Lab Sample ID: CCVIS 460-362226/2 Calibration Date: 04/13/2016 07:04

Instrument ID: CBNAMS5 Calib Start Date: 04/11/2016 13:47

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 17:01

Lab File ID: x12779.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.9128	0.8823	0.0100	48300	50000	-3.3	20.0
2-Nitroaniline	Ave	0.3834	0.3639	0.0100	47500	50000	-5.1	20.0
1,3-Dimethylnaphthalene	Ave	1.023	0.9790	0.0100	47800	50000	-4.3	20.0
Dimethyl phthalate	Ave	1.166	1.121	0.0100	48000	50000	-3.9	20.0
Coumarin	Ave	0.1760	0.1759	0.0100	50000	50000	-0.0	20.0
2,6-Dinitrotoluene	Ave	0.2608	0.2595	0.2000	49700	50000	-0.5	20.0
Acenaphthylene	Ave	1.748	1.605	0.9000	45900	50000	-8.2	20.0
3-Nitroaniline	Ave	0.2610	0.2564	0.0100	49100	50000	-1.8	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.451	1.473	0.0100	50800	50000	1.6	20.0
Acenaphthene	Ave	1.161	1.040	0.9000	44800	50000	-10.4	20.0
2,4-Dinitrophenol	Qua		0.1572	0.0100	124000	100000	24.4*	20.0
4-Nitrophenol	Ave	0.1544	0.1661	0.0100	108000	100000	7.6	20.0
2,4-Dinitrotoluene	Ave	0.2927	0.3131	0.2000	53500	50000	7.0	20.0
Dibenzofuran	Ave	1.660	1.582	0.8000	47600	50000	-4.7	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3370	0.3697	0.0100	54900	50000	9.7	20.0
Diethyl phthalate	Ave	1.010	0.9698	0.0100	48000	50000	-4.0	20.0
4-Chlorophenyl phenyl ether	Ave	0.6824	0.6754	0.4000	49500	50000	-1.0	20.0
Fluorene	Ave	1.196	1.162	0.9000	48600	50000	-2.8	20.0
4-Nitroaniline	Ave	0.2073	0.2225	0.0100	53700	50000	7.3	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1434	0.0100	117000	100000	16.7	20.0
N-Nitrosodiphenylamine	Ave	0.6352	0.5845	0.0100	92000	100000	-8.0	20.0
1,2-Diphenylhydrazine	Ave	0.7137	0.6036	0.0100	42300	50000	-15.4	20.0
4-Bromophenyl phenyl ether	Ave	0.3181	0.3265	0.1000	51300	50000	2.6	20.0
Hexachlorobenzene	Ave	0.3805	0.4269	0.1000	56100	50000	12.2	20.0
Pentachlorophenol	Ave	0.1784	0.2168	0.0500	122000	100000	21.5*	20.0
Pentachloronitrobenzene	Ave	0.1206	0.1367	0.0100	56700	50000	13.4	20.0
n-Octadecane	Ave	0.5076	0.4160	0.0100	41000	50000	-18.0	20.0
Phenanthrene	Ave	1.120	1.050	0.7000	46900	50000	-6.2	20.0
Anthracene	Ave	1.129	1.078	0.7000	47700	50000	-4.5	20.0
Carbazole	Ave	0.8330	0.8048	0.0100	48300	50000	-3.4	20.0
Di-n-butyl phthalate	Ave	0.9663	0.9028	0.0100	46700	50000	-6.6	20.0
Fluoranthene	Ave	0.9699	0.9782	0.6000	50400	50000	0.9	20.0
Benzidine	Ave	0.3590	0.4456		62100	50000	24.1*	20.0
Pyrene	Ave	1.542	1.418	0.6000	46000	50000	-8.0	20.0
Bisphenol-A	Qua		0.5474		60600	50000	21.2*	20.0
Butyl benzyl phthalate	Ave	0.4681	0.4254	0.0100	45400	50000	-9.1	20.0
2,3,7,8-TCDD	Ave	0.2453	0.2677	0.0100	546	500	9.1	20.0
Carbamazepine	Lin2		0.2811	0.0100	36200	50000	-27.6*	20.0
3,3'-Dichlorobenzidine	Ave	0.3947	0.4515	0.0100	57200	50000	14.4	20.0
Benzo[a]anthracene	Ave	1.158	1.134	0.8000	49000	50000	-2.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111954-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-362226/2 Calibration Date: 04/13/2016 07:04
 Instrument ID: CBNAMS5 Calib Start Date: 04/11/2016 13:47
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 17:01
 Lab File ID: x12779.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	0.6124	0.5520	0.0100	45100	50000	-9.9	20.0
Chrysene	Ave	1.045	1.009	0.7000	48300	50000	-3.4	20.0
Di-n-octyl phthalate	Ave	1.036	1.045	0.0100	50400	50000	0.8	20.0
Benzo[b]fluoranthene	Ave	1.052	1.185	0.7000	56300	50000	12.6	20.0
Benzo[k]fluoranthene	Ave	1.131	1.132	0.7000	50000	50000	0.0	20.0
Benzo[a]pyrene	Ave	0.9455	1.050	0.7000	55500	50000	11.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.8058	1.071	0.5000	66500	50000	33.0*	20.0
Dibenz(a,h)anthracene	Ave	0.8856	1.068	0.4000	60300	50000	20.5*	20.0
Benzo[g,h,i]perylene	Ave	0.9917	1.039	0.5000	52400	50000	4.8	20.0
2-Fluorophenol (Surr)	Ave	1.451	1.317	0.0100	45400	50000	-9.2	20.0
Phenol-d5 (Surr)	Ave	1.657	1.481	0.0100	44700	50000	-10.6	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4206	0.3869	0.0100	46000	50000	-8.0	20.0
2-Fluorobiphenyl	Ave	1.696	1.613	0.0100	47600	50000	-4.9	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.3297	0.4136	0.0100	62700	50000	25.4*	20.0
Terphenyl-d14 (Surr)	Ave	1.241	1.288	0.0100	51900	50000	3.8	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12779.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 13-Apr-2016 07:04:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039784-002
 Misc. Info.: ccvis
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub37
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 13-Apr-2016 12:21:19 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: manlangitf

Date: 13-Apr-2016 07:31:18

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	1.730	1.730	0.000	97	634168	50.0	47.9	
2 N-Nitrosodimethylamine	74	1.965	1.965	0.000	69	843963	50.0	45.9	
3 Pyridine	79	1.995	1.995	0.000	83	1455065	50.0	46.0	
\$ 4 2-Fluorophenol	112	3.112	3.112	0.000	95	1712344	50.0	45.4	
\$ 6 Phenol-d5	99	4.036	4.036	0.000	97	1925850	50.0	44.7	
7 Phenol	94	4.053	4.053	0.000	96	1879708	50.0	46.0	
8 Aniline	93	4.071	4.071	0.000	99	2204970	50.0	44.5	
9 Bis(2-chloroethyl)ether	93	4.136	4.136	0.000	92	1282531	50.0	39.2	
10 Benzonitrile	103	4.165	4.165	0.000	66	2854192	NC	NC	
11 2-Chlorophenol	128	4.195	4.195	0.000	96	1643533	50.0	46.5	
12 n-Decane	43	4.242	4.242	0.000	88	1706644	50.0	37.9	
13 1,3-Dichlorobenzene	146	4.348	4.348	0.000	96	2075782	50.0	46.3	
* 14 1,4-Dichlorobenzene-d4	152	4.400	4.400	0.000	97	1040016	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.418	4.418	0.000	94	2051464	50.0	46.6	
16 Benzyl alcohol	108	4.542	4.542	0.000	92	1015711	50.0	46.2	
17 1,2-Dichlorobenzene	146	4.571	4.571	0.000	96	1925170	50.0	46.0	
18 2-Methylphenol	108	4.653	4.653	0.000	89	1388303	50.0	44.9	
19 2,2'-oxybis[1-chloropropan	45	4.677	4.677	0.000	86	1936630	50.0	41.8	
20 N-Methylaniline	106	4.712	4.712	0.000	1	125	NC	NC	
21 Acetophenone	105	4.812	4.812	0.000	98	1792705	50.0	47.3	
24 4-Methylphenol	108	4.818	4.818	0.000	92	1431312	50.0	47.2	
22 N-Nitrosodi-n-propylamine	70	4.818	4.818	0.000	92	886699	50.0	40.8	
23 3 & 4 Methylphenol	108	4.818	4.818	0.000	90	1431312	50.0	47.2	
25 Hexachloroethane	117	4.912	4.912	0.000	85	672703	50.0	42.3	
\$ 26 Nitrobenzene-d5	82	4.959	4.959	0.000	93	1667501	50.0	46.0	
28 Nitrobenzene	77	4.983	4.983	0.000	88	1982484	50.0	43.2	
27 n,n'-Dimethylaniline	120	4.983	4.983	0.000	93	2302259	50.0	43.0	
31 Isophorone	82	5.230	5.230	0.000	97	2376689	50.0	42.5	
32 2-Nitrophenol	139	5.295	5.295	0.000	88	853180	50.0	49.3	
33 2,4-Dimethylphenol	122	5.347	5.347	0.000	89	1304517	50.0	45.8	

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	5.436	5.436	0.000	98	1301490	50.0	43.5	
35 Benzoic acid	122	5.489	5.489	0.000	92	774768	50.0	60.4	
36 2,4-Dichlorophenol	162	5.542	5.542	0.000	95	1414186	50.0	47.8	
37 1,2,4-Trichlorobenzene	180	5.624	5.624	0.000	94	1670249	50.0	46.4	
* 38 Naphthalene-d8	136	5.683	5.683	0.000	99	3447885	40.0	40.0	
39 Naphthalene	128	5.700	5.700	0.000	100	4206515	50.0	46.3	
40 4-Chloroaniline	127	5.759	5.759	0.000	96	1604662	50.0	46.1	
41 Hexachlorobutadiene	225	5.830	5.830	0.000	98	1257223	50.0	51.2	
43 4-Chloro-3-methylphenol	107	6.242	6.242	0.000	96	1090605	50.0	46.9	
44 2-Methylnaphthalene	142	6.394	6.394	0.000	85	2866892	50.0	45.6	
45 1-Methylnaphthalene	142	6.494	6.494	0.000	98	2482821	50.0	46.0	
46 Hexachlorocyclopentadiene	237	6.559	6.559	0.000	97	1275429	50.0	49.3	
47 1,2,4,5-Tetrachlorobenzene	216	6.565	6.565	0.000	99	1749183	50.0	50.8	
48 2-tertbutyl-4-methylphenol	149	6.594	6.594	0.000	91	1986930	50.0	48.3	
49 2,4,6-Trichlorophenol	196	6.677	6.677	0.000	93	978903	50.0	51.3	
50 2,4,5-Trichlorophenol	196	6.712	6.712	0.000	97	981367	50.0	50.6	
\$ 51 2-Fluorobiphenyl	172	6.759	6.759	0.000	98	3571302	50.0	47.6	
52 1,1'-Biphenyl	154	6.859	6.859	0.000	94	3390380	50.0	45.8	
53 2-Chloronaphthalene	162	6.883	6.883	0.000	99	2648578	50.0	47.5	
54 Phenyl ether	170	6.965	6.965	0.000	84	1953196	50.0	48.3	
56 2-Nitroaniline	65	6.983	6.983	0.000	96	805666	50.0	47.5	
57 1,3-Dimethylnaphthalene	156	7.094	7.094	0.000	93	2167338	50.0	47.8	
58 Dimethyl phthalate	163	7.171	7.171	0.000	99	2481585	50.0	48.0	
59 Coumarin	146	7.189	7.189	0.000	77	757958	50.0	50.0	
60 2,6-Dinitrotoluene	165	7.224	7.224	0.000	95	574422	50.0	49.7	
61 Acenaphthylene	152	7.289	7.289	0.000	97	3554023	50.0	45.9	
64 3-Nitroaniline	138	7.389	7.389	0.000	93	567672	50.0	49.1	
* 65 Acenaphthene-d10	164	7.430	7.430	0.000	90	1771069	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.453	7.453	0.000	95	3261219	50.0	50.8	
67 Acenaphthene	154	7.465	7.465	0.000	92	2301697	50.0	44.8	
68 2,4-Dinitrophenol	184	7.494	7.494	0.000	95	696044	100.0	124.4	
69 4-Nitrophenol	65	7.559	7.559	0.000	88	735475	100.0	107.6	
70 2,4-Dinitrotoluene	165	7.618	7.618	0.000	97	693120	50.0	53.5	
71 Dibenzofuran	168	7.636	7.636	0.000	95	3502434	50.0	47.6	
72 2,3,4,6-Tetrachlorophenol	232	7.753	7.753	0.000	98	818428	50.0	54.9	
73 Diethyl phthalate	149	7.865	7.865	0.000	99	2146982	50.0	48.0	
74 4-Chlorophenyl phenyl ethe	204	7.965	7.965	0.000	94	1495189	50.0	49.5	
75 Fluorene	166	7.971	7.971	0.000	96	2572393	50.0	48.6	
76 4-Nitroaniline	138	7.994	7.994	0.000	85	492633	50.0	53.7	
77 4,6-Dinitro-2-methylphenol	198	8.030	8.030	0.000	92	896072	100.0	116.7	
78 N-Nitrosodiphenylamine	169	8.088	8.088	0.000	66	3652933	100.0	92.0	
79 1,2-Diphenylhydrazine	77	8.124	8.124	0.000	94	1886116	50.0	42.3	
\$ 80 2,4,6-Tribromophenol	330	8.206	8.206	0.000	87	915653	50.0	62.7	
81 4-Bromophenyl phenyl ether	248	8.447	8.447	0.000	96	1020249	50.0	51.3	
83 Hexachlorobenzene	284	8.518	8.518	0.000	91	1334074	50.0	56.1	
85 Pentachlorophenol	266	8.706	8.706	0.000	96	1354842	100.0	121.5	
86 Pentachloronitrobenzene	237	8.724	8.724	0.000	94	427272	50.0	56.7	
87 n-Octadecane	57	8.788	8.788	0.000	96	1299807	50.0	41.0	
* 88 Phenanthrene-d10	188	8.888	8.888	0.000	97	2499772	40.0	40.0	
89 Phenanthrene	178	8.918	8.918	0.000	96	3281619	50.0	46.9	
90 Anthracene	178	8.965	8.965	0.000	99	3369394	50.0	47.7	
91 Carbazole	167	9.118	9.118	0.000	96	2514653	50.0	48.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Di-n-butyl phthalate	149	9.459	9.459	0.000	100	2821002	50.0	46.7	
93 Fluoranthene	202	10.082	10.082	0.000	98	3056583	50.0	50.4	
94 Benzdine	184	10.212	10.212	0.000	99	1392513	50.0	62.1	
95 Pyrene	202	10.312	10.312	0.000	98	3052557	50.0	46.0	
82 Bisphenol-A	213	10.353	10.353	0.000	98	1178064	50.0	60.6	
\$ 96 Terphenyl-d14	244	10.465	10.465	0.000	98	2772664	50.0	51.9	
97 Butyl benzyl phthalate	149	10.994	10.994	0.000	96	915557	50.0	45.4	
98 2,3,7,8-TCDD	320	11.112	11.112	0.000	93	5762	0.5000	0.5457	
99 Carbamazepine	193	11.124	11.124	0.000	90	605041	50.0	36.2	
100 3,3'-Dichlorobenzidine	252	11.629	11.629	0.000	97	971761	50.0	57.2	
101 Benzo[a]anthracene	228	11.659	11.659	0.000	95	2440957	50.0	49.0	
* 102 Chrysene-d12	240	11.676	11.676	0.000	97	1721852	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.700	11.700	0.000	89	1188158	50.0	45.1	
103 Chrysene	228	11.706	11.706	0.000	100	2171995	50.0	48.3	
105 Di-n-octyl phthalate	149	12.571	12.571	0.000	98	1849843	50.0	50.4	
106 Benzo[b]fluoranthene	252	13.088	13.088	0.000	96	2098890	50.0	56.3	
107 Benzo[k]fluoranthene	252	13.123	13.123	0.000	96	2003488	50.0	50.0	
108 Benzo[a]pyrene	252	13.535	13.535	0.000	98	1858622	50.0	55.5	
* 109 Perylene-d12	264	13.618	13.618	0.000	98	1416509	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.170	15.170	0.000	95	1896985	50.0	66.5	
111 Dibenz(a,h)anthracene	278	15.206	15.206	0.000	99	1890357	50.0	60.3	
112 Benzo[g,h,i]perylene	276	15.606	15.606	0.000	95	1840539	50.0	52.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_IC_BNA_L6_00018

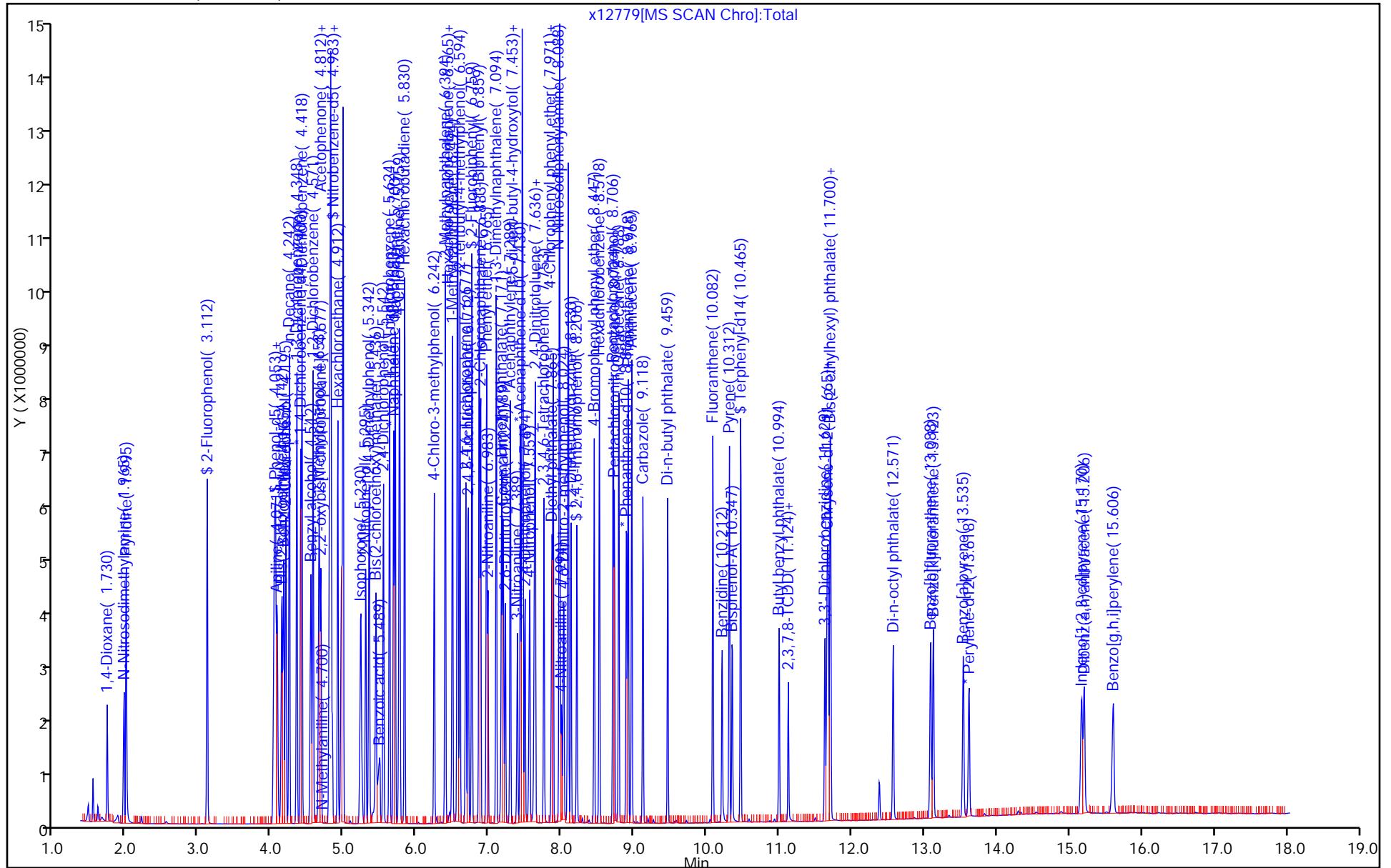
Amount Added: 1.00

Units: mL

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAM5\\20160413-39784.b\\x12779.D		
Injection Date:	13-Apr-2016 07:04:30	Instrument ID:	CBNAM5
Lims ID:	ccvis		
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)		

Operator ID:
Worklist Smp#: 2

ALS Bottle#: 2



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-111954-1
SDG No.: _____
Lab Sample ID: CCV 460-362226/3 Calibration Date: 04/13/2016 07:29
Instrument ID: CBNAMS5 Calib Start Date: 04/11/2016 17:25
GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 04/11/2016 19:51
Lab File ID: x12780.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.112	0.9837	0.0100	44200	50000	-11.5	20.0
Caprolactam	Ave	0.0769	0.0817	0.0100	53200	50000	6.3	20.0
Atrazine	Ave	0.2042	0.2212	0.0100	54200	50000	8.3	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12780.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 13-Apr-2016 07:29:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039784-003
 Operator ID: Instrument ID: CBNAMS5
 Sublist: chrom-8270_5R*sub34
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 13-Apr-2016 12:21:29 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: manlangitf

Date: 13-Apr-2016 07:52:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.959	3.959	0.000	89	1243574	50.0	44.2	
* 14 1,4-Dichlorobenzene-d4	152	4.394	4.394	0.000	97	1011333	40.0	40.0	
* 38 Naphthalene-d8	136	5.677	5.677	0.000	99	3410482	40.0	40.0	
42 Caprolactam	113	6.088	6.088	0.000	88	348459	50.0	53.2	
* 65 Acenaphthene-d10	164	7.424	7.424	0.000	91	1847324	40.0	40.0	
84 Atrazine	200	8.612	8.612	0.000	95	748900	50.0	54.2	
* 88 Phenanthrene-d10	188	8.888	8.888	0.000	97	2708377	40.0	40.0	
* 102 Chrysene-d12	240	11.670	11.670	0.000	98	1896411	40.0	40.0	
* 109 Perylene-d12	264	13.617	13.617	0.000	98	1497664	40.0	40.0	

Reagents:

SV_IC-S_L6_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20160413-39784.b\\x12780.D

Injection Date: 13-Apr-2016 07:29:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: ccv

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

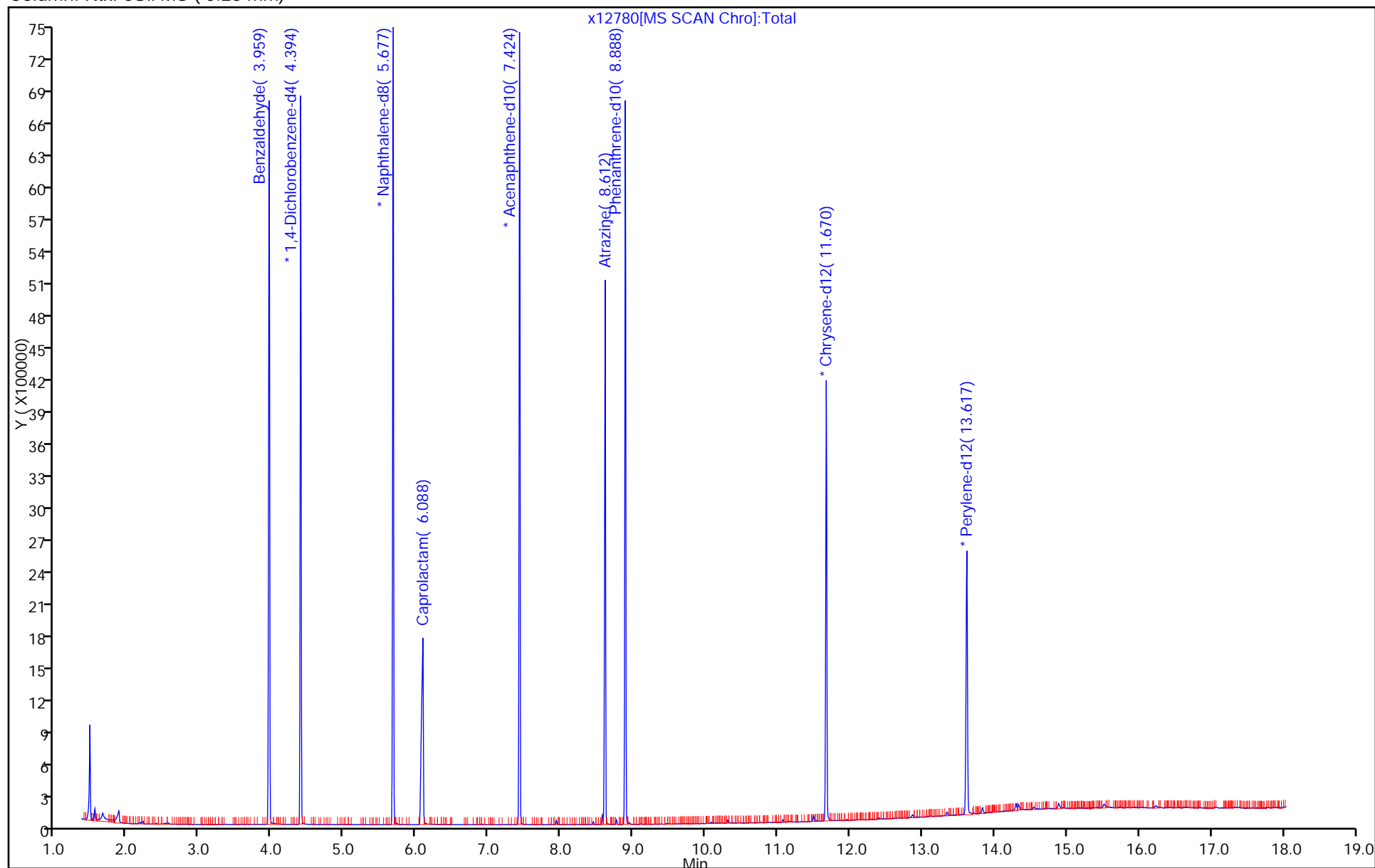
Dil. Factor: 1.0000

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\CBNAMS12\20160411-39690.b\L132490.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 11-Apr-2016 10:12:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039690-001
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:29:14 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: manlangitf

Date: 11-Apr-2016 10:55:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
23 Pentachlorophenol_T	266	5.404	5.404	0.000	91	36410	NR	NR	
47 Benzidine_T	184	7.234	7.234	0.000	99	172952	NR	NR	
121 DFTPP									
124 4,4'-DDT	235	8.228	8.228	0.000	97	79888	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00015

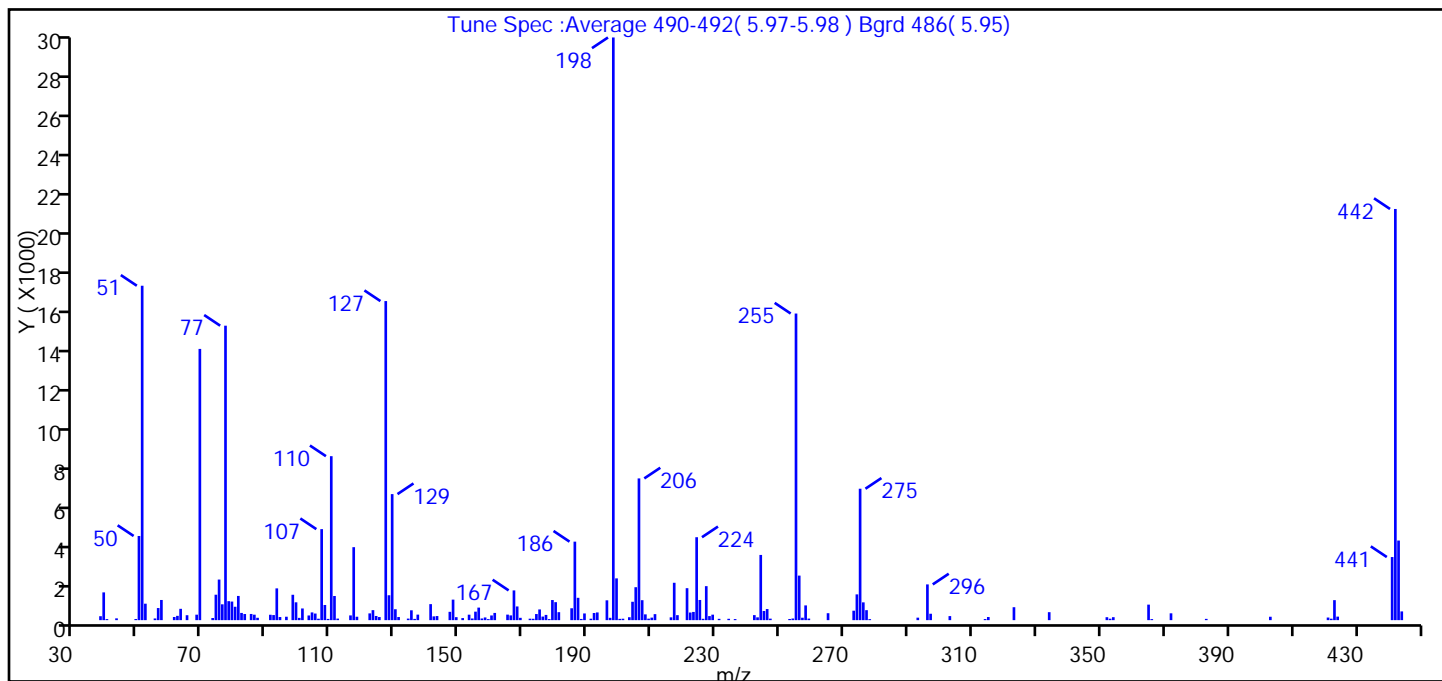
Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132490.D
Injection Date: 11-Apr-2016 10:12:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270

121 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	57.4
68	<2% of mass 69	0.9 (2.0)
69	Present	46.5
70	<2% of mass 69	0.0 (0.0)
127	40-60% of mass 198	54.8
197	<1% of mass 198	0.4
199	5-9% of mass 198	7.2
275	10-30% of mass 198	22.6
365	>1% of mass 198	2.7
441	Present but less than mass 443	10.8 (79.3)
442	>40% of mass 198	70.6
443	17-23% of mass 442	13.7 (19.4)

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132490.D\8270_12R_9.rsl\spectra.d
Injection Date: 11-Apr-2016 10:12:30
Spectrum: Tune Spec :Average 490-492(5.97-5.98) Bgrd 486(5.95)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 179

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	198	108.00	763	175.00	539	242.00	253
39.00	1397	109.00	62	176.00	180	243.00	141
40.00	53	110.00	8253	177.00	263	244.00	3282
43.00	90	111.00	1215	178.00	53	245.00	460
49.00	58	112.00	78	179.00	1012	246.00	559
50.00	4236	116.00	238	180.00	905	247.00	75
51.00	16832	117.00	3673	181.00	401	253.00	58
52.00	828	118.00	172	185.00	598	254.00	82
55.00	85	122.00	340	186.00	3951	255.00	15433
56.00	609	123.00	503	187.00	1124	256.00	2242
57.00	1015	124.00	210	188.00	60	257.00	122
61.00	158	125.00	156	189.00	337	258.00	742
62.00	216	127.00	16060	191.00	72	259.00	79
63.00	570	128.00	1253	192.00	360	265.00	349
65.00	248	129.00	6344	193.00	388	273.00	475
68.00	275	130.00	549	196.00	998	274.00	1297
69.00	13652	131.00	157	197.00	117	275.00	6615
73.00	108	134.00	78	198.00	29328	276.00	895
74.00	1280	135.00	496	199.00	2102	277.00	502
75.00	2043	136.00	63	200.00	65	278.00	51
76.00	797	137.00	278	201.00	72	293.00	125
77.00	14821	141.00	806	203.00	147	296.00	1799
78.00	955	142.00	190	204.00	925	297.00	322
79.00	935	143.00	206	205.00	1658	303.00	204
80.00	674	147.00	419	206.00	7134	314.00	55
81.00	1218	148.00	1033	207.00	1004	315.00	157
82.00	363	149.00	150	208.00	291	323.00	651
83.00	308	151.00	104	209.00	75	334.00	401
85.00	311	153.00	275	210.00	127	352.00	148
86.00	275	154.00	83	211.00	302	353.00	73
87.00	119	155.00	427	216.00	141	354.00	149
91.00	271	156.00	631	217.00	1881	365.00	781
92.00	256	157.00	84	218.00	251	366.00	53

Report Date: 11-Apr-2016 23:29:16

Chrom Revision: 2.2 04-Mar-2016 14:36:24

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132490.D\8270_12R_9.rsl\spectra.d

Injection Date: 11-Apr-2016 10:12:30

Spectrum: Tune Spec :Average 490-492(5.97-5.98) Bgrd 486(5.95)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 179

m/z	Y	m/z	Y	m/z	Y	m/z	Y
93.00	1599	158.00	136	221.00	1609	372.00	344
94.00	157	159.00	52	222.00	383	383.00	64
96.00	172	160.00	236	223.00	413	403.00	171
98.00	1277	161.00	363	224.00	4174	421.00	131
99.00	898	165.00	278	225.00	1015	422.00	73
100.00	114	166.00	239	226.00	68	423.00	1006
101.00	588	167.00	1497	227.00	1711	424.00	177
103.00	235	168.00	689	228.00	204	441.00	3176
104.00	389	169.00	117	229.00	276	442.00	20696
105.00	332	172.00	73	231.00	66	443.00	4007
106.00	71	173.00	69	234.00	68	444.00	440
107.00	4581	174.00	307	236.00	54		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132490.D
Injection Date: 11-Apr-2016 10:12:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

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

124 4,4'-DDT, Detector: MS SCAN

SW-846 Method

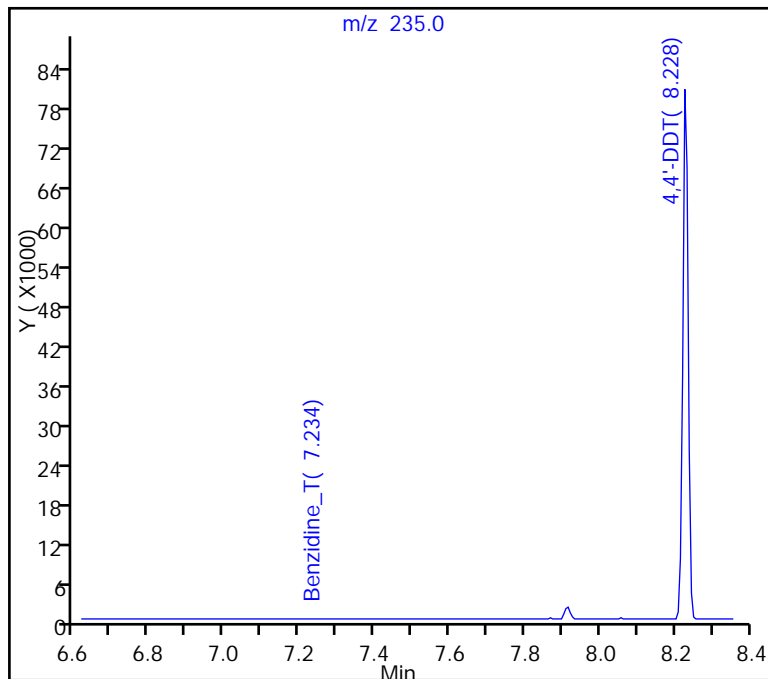
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

124 4,4'-DDT, Area = 79888

123 4,4'-DDD, Area = 0

122 4,4'-DDE, Area = 0

%Breakdown: 0.00%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132490.D
Injection Date: 11-Apr-2016 10:12:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

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

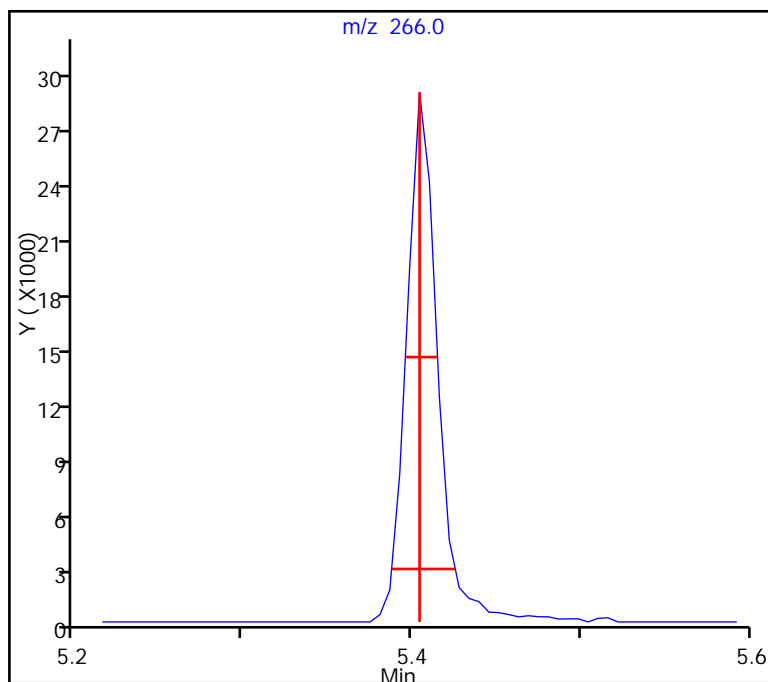
23 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.021 (min.)

Front Width = 0.017 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132490.D
Injection Date: 11-Apr-2016 10:12:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

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

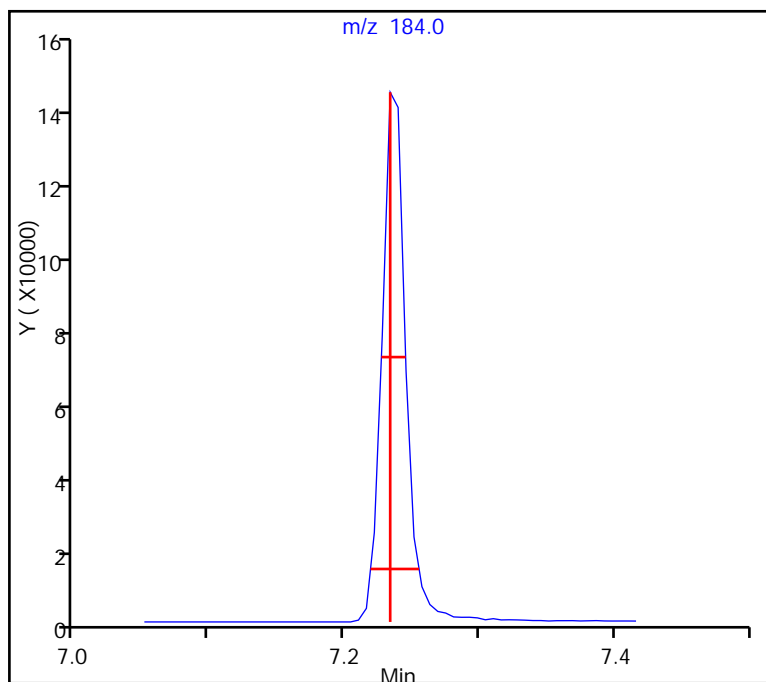
47 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.021 (min.)

Front Width = 0.015 (min.)

Tailing Factor = 1.5, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132569.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 13-Apr-2016 04:06:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039783-001
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 13-Apr-2016 12:54:09 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: manlangitf

Date: 13-Apr-2016 04:55:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
23 Pentachlorophenol_T	266	5.269	5.269	0.000	91	20552	NR	NR	
47 Benzidine_T	184	7.098	7.098	0.000	100	185338	NR	NR	
121 DFTPP									
123 4,4'-DDD	235	7.775	7.775	0.000	95	1844		NR	
124 4,4'-DDT	235	8.092	8.092	0.000	97	73316	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00015

Amount Added: 1.00

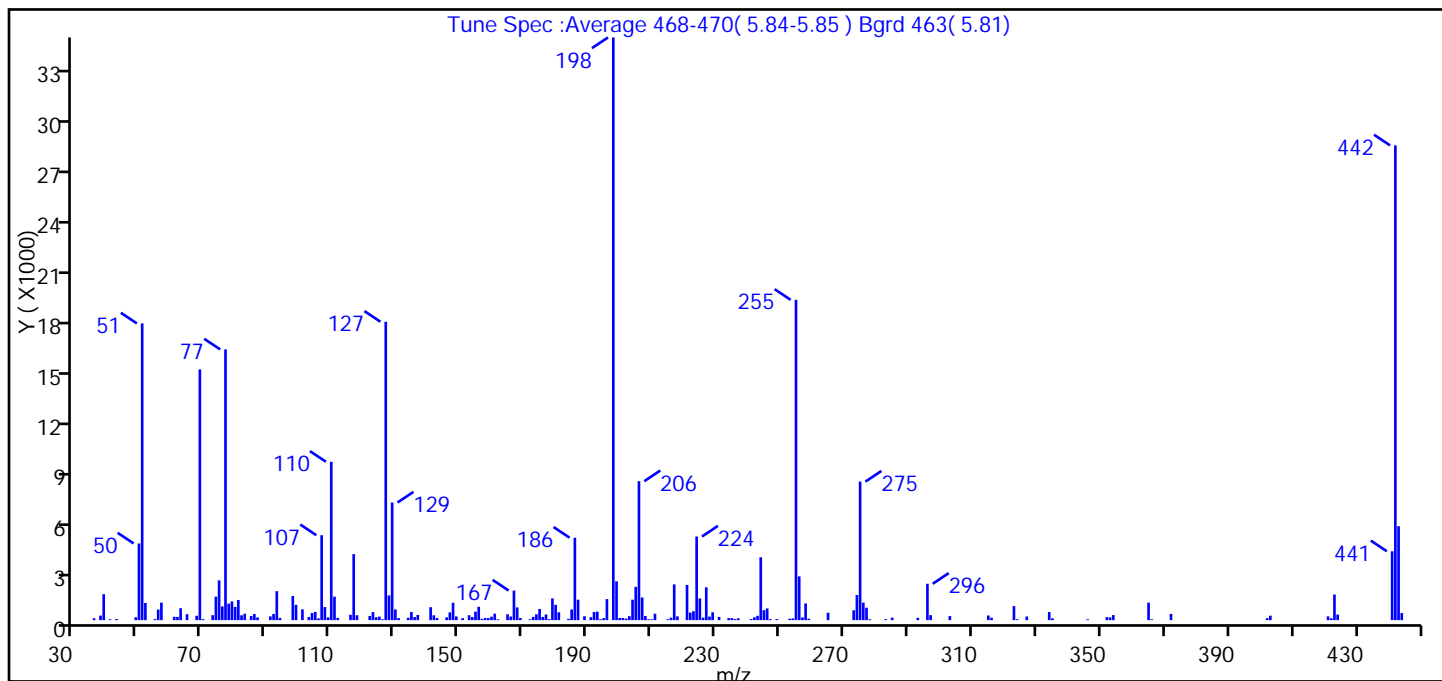
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132569.D
Injection Date: 13-Apr-2016 04:06:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9
Tune Method: DFTPP Method 8270

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

121 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	50.9
68	<2% of mass 69	0.8 (1.7)
69	Present	43.0
70	<2% of mass 69	0.2 (0.4)
127	40-60% of mass 198	51.2
197	<1% of mass 198	0.0
199	5-9% of mass 198	6.6
275	10-30% of mass 198	23.8
365	>1% of mass 198	3.0
441	Present but less than mass 443	11.8 (73.3)
442	>40% of mass 198	81.5
443	17-23% of mass 442	16.1 (19.8)

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132569.D\8270_12R_9.rsl\spectra.d
Injection Date: 13-Apr-2016 04:06:30
Spectrum: Tune Spec :Average 468-470(5.84-5.85) Bgrd 463(5.81)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 195

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	110	112.00	130	180.00	893	245.00	582
38.00	266	116.00	312	181.00	460	246.00	686
39.00	1515	117.00	3856	184.00	73	247.00	58
41.00	52	118.00	285	185.00	623	249.00	60
43.00	67	122.00	243	186.00	4817	253.00	80
49.00	170	123.00	469	187.00	1196	254.00	103
50.00	4479	124.00	172	189.00	228	255.00	18712
51.00	17336	125.00	206	191.00	172	256.00	2557
52.00	1005	126.00	51	192.00	477	257.00	156
55.00	63	127.00	17432	193.00	496	258.00	975
56.00	619	128.00	1444	194.00	54	259.00	85
57.00	1025	129.00	6872	195.00	120	265.00	434
61.00	194	130.00	624	196.00	1229	273.00	577
62.00	187	131.00	120	198.00	34040	274.00	1468
63.00	697	134.00	141	199.00	2263	275.00	8094
65.00	344	135.00	478	200.00	125	276.00	1027
68.00	256	136.00	179	201.00	130	277.00	725
69.00	14649	137.00	302	202.00	90	278.00	54
70.00	59	141.00	756	203.00	231	283.00	59
73.00	291	142.00	284	204.00	1196	285.00	147
74.00	1375	143.00	128	205.00	1946	293.00	139
75.00	2324	146.00	167	206.00	8118	296.00	2125
76.00	801	147.00	453	207.00	1322	297.00	292
77.00	15816	148.00	1016	208.00	240	303.00	237
78.00	964	149.00	216	209.00	50	315.00	271
79.00	1093	151.00	117	210.00	50	316.00	144
80.00	774	153.00	286	211.00	376	323.00	822
81.00	1179	154.00	179	215.00	53	324.00	52
82.00	283	155.00	496	216.00	148	327.00	213
83.00	375	156.00	779	217.00	2088	334.00	472
85.00	241	157.00	72	218.00	222	335.00	108
86.00	359	158.00	128	221.00	2056	346.00	51
87.00	160	159.00	119	222.00	441	352.00	179

Report Date: 13-Apr-2016 12:54:11

Chrom Revision: 2.2 04-Mar-2016 14:36:24

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132569.D\8270_12R_9.rsl\spectra.d

Injection Date: 13-Apr-2016 04:06:30

Spectrum: Tune Spec :Average 468-470(5.84-5.85) Bgrd 463(5.81)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 195

m/z	Y	m/z	Y	m/z	Y	m/z	Y
91.00	221	160.00	201	223.00	524	353.00	158
92.00	359	161.00	380	224.00	4885	354.00	297
93.00	1692	162.00	50	225.00	1268	365.00	1020
94.00	129	165.00	345	226.00	142	366.00	51
98.00	1408	166.00	212	227.00	1917	372.00	363
99.00	893	167.00	1729	228.00	210	402.00	115
101.00	631	168.00	745	229.00	457	403.00	260
103.00	186	169.00	123	231.00	185	421.00	221
104.00	416	172.00	50	234.00	121	422.00	109
105.00	481	173.00	192	235.00	120	423.00	1497
106.00	101	174.00	340	236.00	62	424.00	328
107.00	4962	175.00	654	237.00	108	441.00	4024
108.00	765	176.00	189	241.00	64	442.00	27736
109.00	164	177.00	333	242.00	165	443.00	5488
110.00	9252	178.00	58	243.00	255	444.00	413
111.00	1371	179.00	1270	244.00	3673		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132569.D
Injection Date: 13-Apr-2016 04:06:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

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

124 4,4'-DDT, Detector: MS SCAN

SW-846 Method

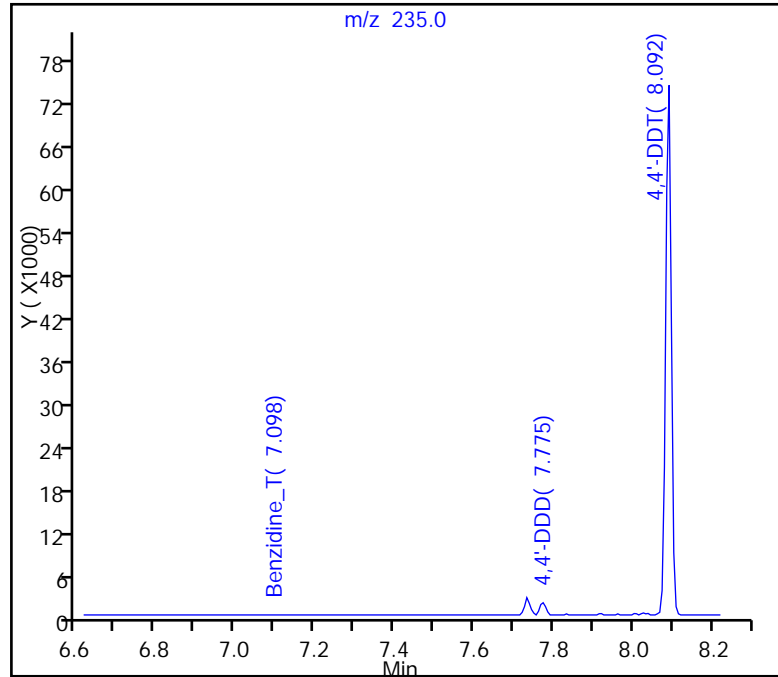
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

124 4,4'-DDT, Area = 73316

123 4,4'-DDD, Area = 1844

122 4,4'-DDE, Area = 0

%Breakdown: 2.45%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132569.D
Injection Date: 13-Apr-2016 04:06:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

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

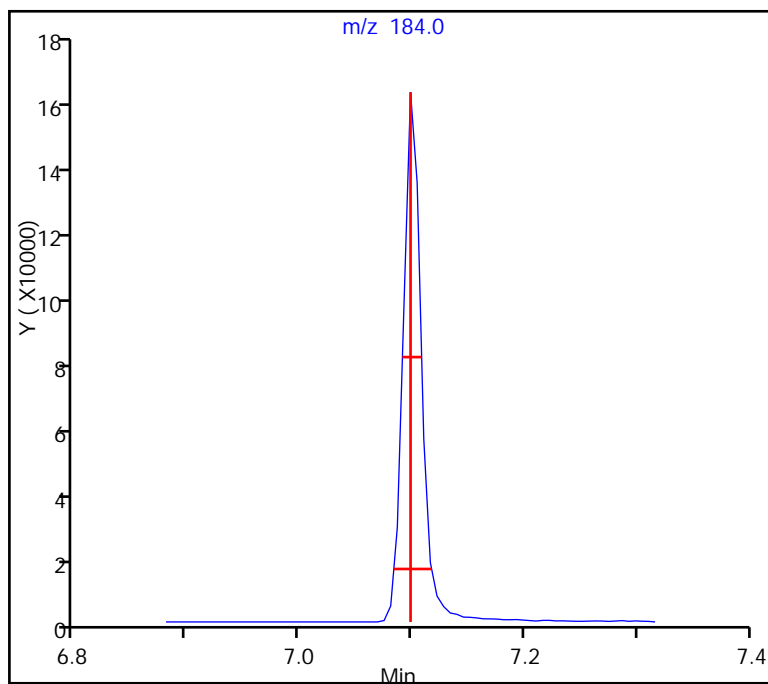
47 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.019 (min.)

Front Width = 0.015 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132569.D
Injection Date: 13-Apr-2016 04:06:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_12R_9

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

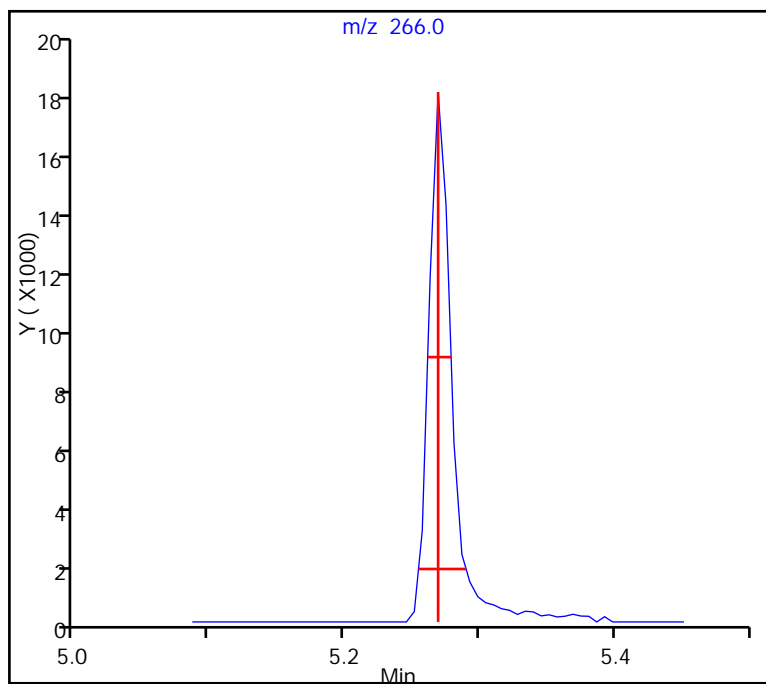
23 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.021 (min.)

Front Width = 0.015 (min.)

Tailing Factor = 1.4, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12691.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 11-Apr-2016 13:27:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: -0039723-001
 Misc. Info.: DFTPP
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 11-Apr-2016 23:58:34 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: croccom

Date: 11-Apr-2016 13:41:46

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	5.293	5.293	0.000	94	43828	NR	NR	
55 Benzdine_T	184	7.128	7.128	0.000	99	260055	NR	NR	
124 DFTPP									
126 4,4'-DDD	235	7.798	7.798	0.000	47	1928		NR	
127 4,4'-DDT	235	8.116	8.116	0.000	98	85679	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00015

Amount Added: 1.00

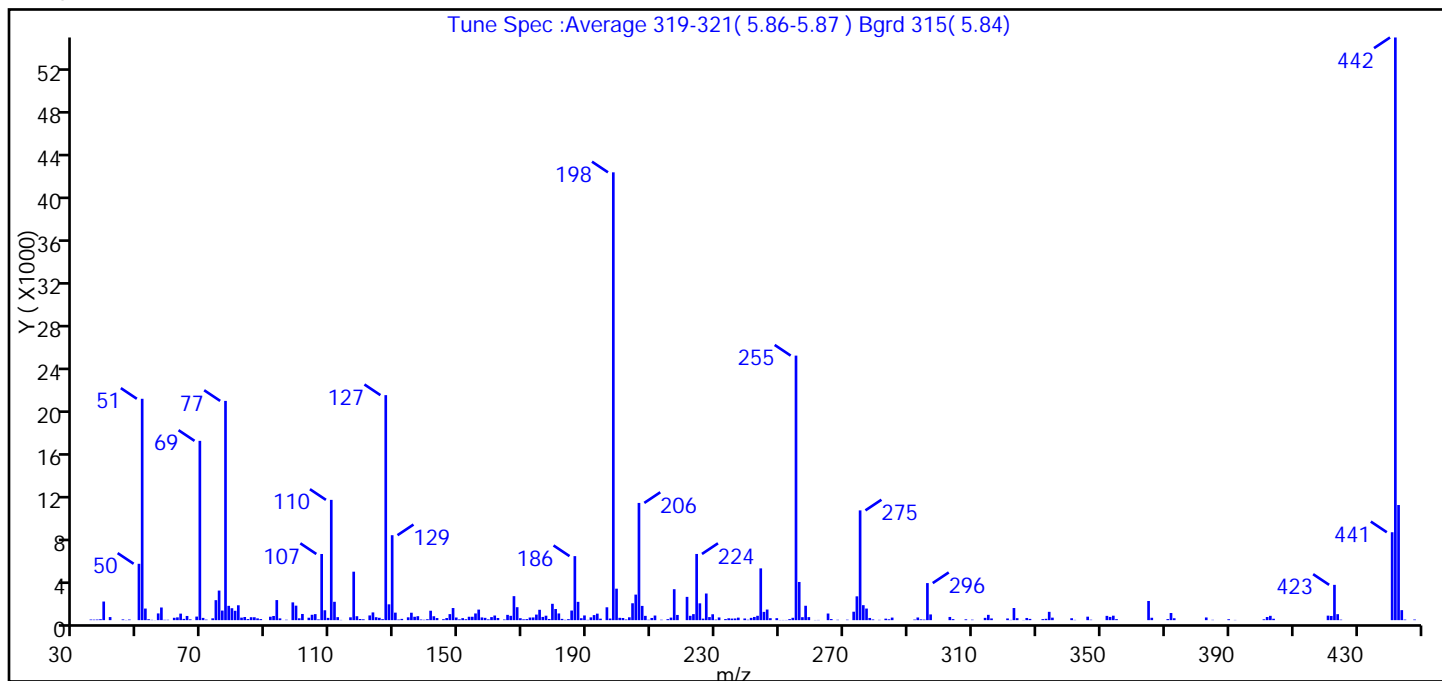
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12691.D
Injection Date: 11-Apr-2016 13:27:30 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	49.4
68	<2% of mass 69	0.8 (2.0)
69	Present	40.0
70	<2% of mass 69	0.5 (1.3)
127	40-60% of mass 198	50.2
197	<1% of mass 198	0.4
199	5-9% of mass 198	7.0
275	10-30% of mass 198	24.5
365	>1% of mass 198	4.3
441	Present but less than mass 443	19.6 (76.4)
442	>40% of mass 198	130.1
443	17-23% of mass 442	25.7 (19.8)

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12691.D\8270_5R.rslt\spectra.d
Injection Date: 11-Apr-2016 13:27:30
Spectrum: Tune Spec :Average 319-321(5.86-5.87) Bgrd 315(5.84)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 272

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	58	117.00	4571	189.00	443	271.00	44
36.00	48	118.00	370	190.00	27	273.00	795
37.00	57	119.00	107	191.00	262	274.00	2246
38.00	87	120.00	79	192.00	479	275.00	10353
39.00	1755	122.00	443	193.00	613	276.00	1412
41.00	290	123.00	730	194.00	138	277.00	1093
45.00	69	124.00	276	196.00	1213	278.00	206
46.00	17	125.00	221	197.00	152	279.00	66
47.00	57	126.00	94	198.00	42240	281.00	28
50.00	5316	127.00	21224	199.00	2968	283.00	140
51.00	20880	128.00	1493	200.00	220	284.00	79
52.00	1093	129.00	8012	201.00	203	285.00	241
53.00	87	130.00	708	202.00	63	292.00	55
54.00	29	131.00	58	203.00	269	293.00	251
55.00	10	132.00	119	204.00	1593	294.00	71
56.00	635	134.00	267	205.00	2409	295.00	51
57.00	1194	135.00	700	206.00	11057	296.00	3496
58.00	33	136.00	318	207.00	1343	297.00	539
59.00	37	137.00	373	208.00	404	303.00	301
61.00	222	138.00	59	209.00	36	304.00	96
62.00	262	139.00	34	210.00	206	308.00	78
63.00	615	140.00	85	211.00	435	310.00	43
64.00	118	141.00	888	213.00	38	314.00	216
65.00	395	142.00	368	215.00	95	315.00	500
66.00	75	143.00	198	216.00	239	316.00	160
67.00	2	145.00	88	217.00	2919	321.00	159
68.00	336	146.00	197	218.00	491	322.00	23
69.00	16912	147.00	568	221.00	2195	323.00	1144
70.00	212	148.00	1142	222.00	409	324.00	185
71.00	51	149.00	249	223.00	567	326.00	16
73.00	173	150.00	73	224.00	6243	327.00	205
74.00	1885	151.00	188	225.00	1586	328.00	118
75.00	2790	152.00	86	226.00	143	332.00	97

Report Date: 11-Apr-2016 23:58:36

Chrom Revision: 2.2 04-Mar-2016 14:36:24

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12691.D\8270_5R.rsl\spectra.d

Injection Date: 11-Apr-2016 13:27:30

Spectrum: Tune Spec :Average 319-321(5.86-5.87) Bgrd 315(5.84)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 272

m/z	Y	m/z	Y	m/z	Y	m/z	Y
76.00	903	153.00	318	227.00	2513	333.00	127
77.00	20680	154.00	319	228.00	289	334.00	784
78.00	1350	155.00	631	229.00	555	335.00	235
79.00	1124	156.00	994	230.00	49	341.00	180
80.00	882	157.00	257	231.00	255	342.00	25
81.00	1402	158.00	218	233.00	101	346.00	327
82.00	238	159.00	74	234.00	176	347.00	41
83.00	295	160.00	288	235.00	148	352.00	403
84.00	102	161.00	437	236.00	157	353.00	305
85.00	277	162.00	203	237.00	237	354.00	420
86.00	273	164.00	61	239.00	156	355.00	96
87.00	167	165.00	499	240.00	37	365.00	1807
88.00	100	166.00	407	241.00	214	366.00	225
91.00	323	167.00	2263	242.00	300	371.00	101
92.00	393	168.00	1220	243.00	410	372.00	674
93.00	1892	169.00	182	244.00	4884	373.00	177
94.00	166	170.00	78	245.00	779	383.00	252
95.00	3	171.00	98	246.00	1001	385.00	30
96.00	39	172.00	247	247.00	184	390.00	86
98.00	1676	173.00	256	249.00	185	392.00	21
99.00	1367	174.00	524	250.00	17	401.00	80
100.00	175	175.00	977	251.00	18	402.00	296
101.00	582	176.00	304	252.00	18	403.00	407
103.00	229	177.00	420	253.00	95	404.00	131
104.00	507	178.00	110	254.00	222	421.00	425
105.00	568	179.00	1542	255.00	24952	422.00	394
106.00	70	180.00	1050	256.00	3601	423.00	3329
107.00	6240	181.00	632	257.00	280	424.00	563
108.00	932	182.00	120	258.00	1357	425.00	46
109.00	214	183.00	30	259.00	285	441.00	8291
110.00	11345	184.00	94	261.00	16	442.00	54960
111.00	1731	185.00	906	262.00	21	443.00	10859
112.00	282	186.00	6039	265.00	625	444.00	944
113.00	21	187.00	1726	266.00	101	445.00	52

Report Date: 11-Apr-2016 23:58:36

Chrom Revision: 2.2 04-Mar-2016 14:36:24

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12691.D\8270_5R.rslt\spectra.d

Injection Date: 11-Apr-2016 13:27:30

Spectrum: Tune Spec :Average 319-321(5.86-5.87) Bgrd 315(5.84)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 272

m/z	Y	m/z	Y	m/z	Y	m/z	Y
116.00	267	188.00	180	268.00	35	448.00	58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12691.D
Injection Date: 11-Apr-2016 13:27:30 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

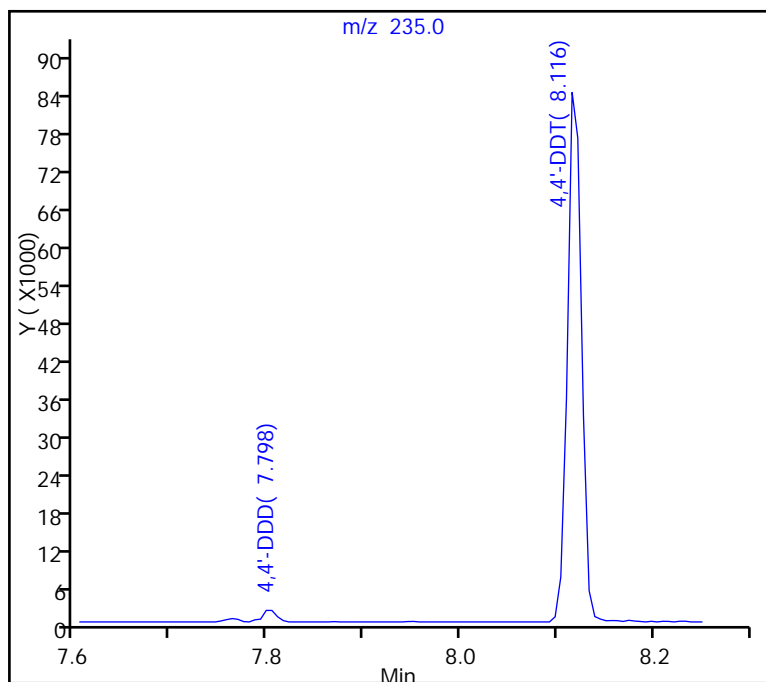
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 85679

126 4,4'-DDD, Area = 1928

125 4,4'-DDE, Area = 0

%Breakdown: 2.20%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12691.D
Injection Date: 11-Apr-2016 13:27:30 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

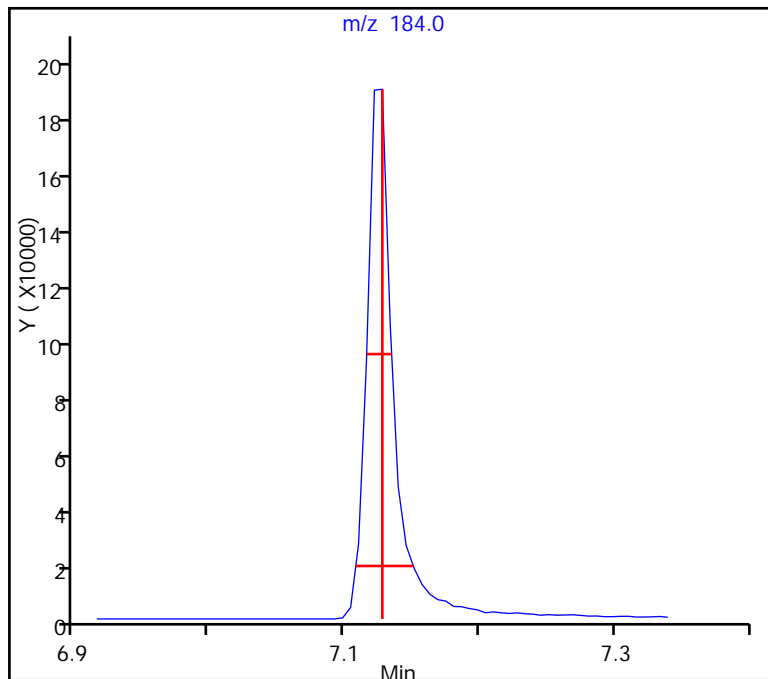
55 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.023 (min.)

Front Width = 0.020 (min.)

Tailing Factor = 1.2, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12691.D
Injection Date: 11-Apr-2016 13:27:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

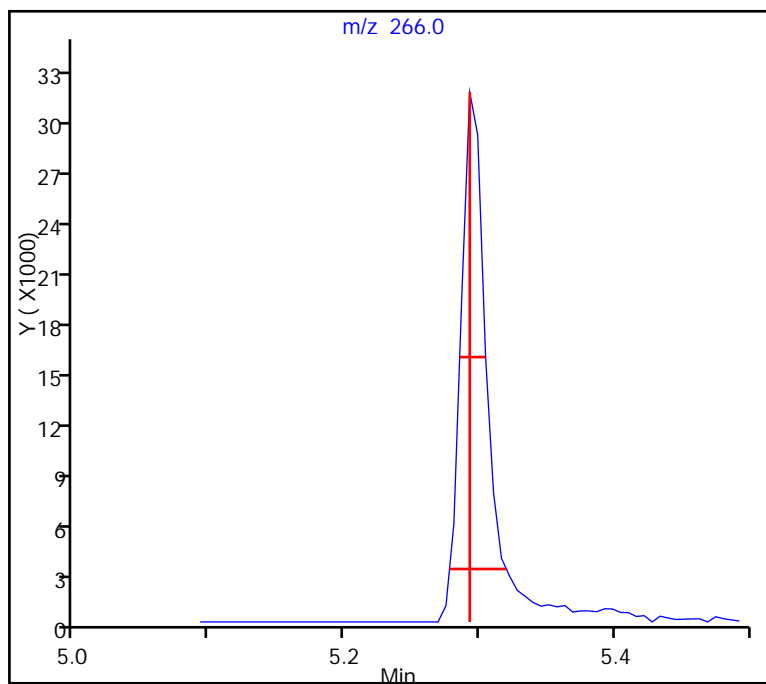
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

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\20160413-39784.b\12778.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 13-Apr-2016 06:49:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039784-001
 Misc. Info.: DFTPP
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 13-Apr-2016 12:21:06 Calib Date: 11-Apr-2016 19:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20160411-39723.b\12707.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: manlangitf

Date: 13-Apr-2016 07:00:57

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	5.163	5.163	0.000	94	16777	NR	NR	
55 Benzidine_T	184	6.993	6.993	0.000	99	262704	NR	NR	
124 DFTPP									
126 4,4'-DDD	235	7.669	7.669	0.000	96	2314		NR	
125 4,4'-DDE	246	7.716	7.716	0.000	1	39		NR	
127 4,4'-DDT	235	7.987	7.987	0.000	98	99248	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00015

Amount Added: 1.00

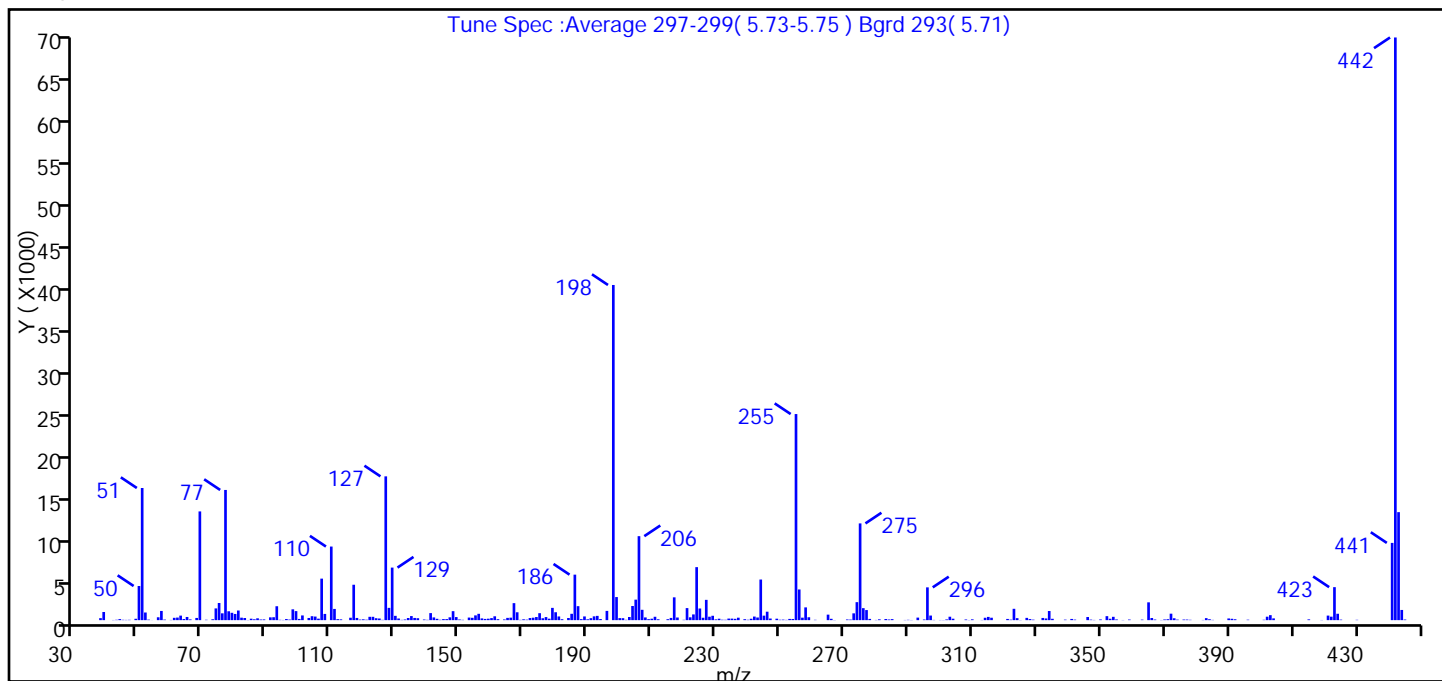
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12778.D
Injection Date: 13-Apr-2016 06:49:30 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	39.4
68	<2% of mass 69	0.7 (2.0)
69	Present	32.4
70	<2% of mass 69	0.0 (0.0)
127	40-60% of mass 198	42.9
197	<1% of mass 198	0.0
199	5-9% of mass 198	6.9
275	10-30% of mass 198	28.9
365	>1% of mass 198	5.3
441	Present but less than mass 443	23.0 (71.5)
442	>40% of mass 198	173.8
443	17-23% of mass 442	32.2 (18.5)

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12778.D\8270_5R.rslt\spectra.d
Injection Date: 13-Apr-2016 06:49:30
Spectrum: Tune Spec :Average 297-299(5.73-5.75) Bgrd 293(5.71)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 298

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	238	126.00	34	207.00	1236	302.00	85
39.00	974	127.00	17192	208.00	324	303.00	409
42.00	20	128.00	1467	209.00	119	304.00	171
43.00	44	129.00	6283	210.00	171	308.00	80
44.00	126	130.00	514	211.00	403	309.00	18
45.00	41	131.00	198	212.00	105	310.00	96
46.00	29	132.00	33	215.00	115	313.00	21
47.00	40	133.00	79	216.00	265	314.00	285
49.00	164	134.00	255	217.00	2727	315.00	387
50.00	4081	135.00	486	218.00	314	316.00	289
51.00	15799	136.00	264	220.00	40	321.00	144
52.00	914	137.00	232	221.00	1441	322.00	59
53.00	64	139.00	76	222.00	339	323.00	1356
54.00	7	140.00	36	223.00	685	324.00	236
56.00	343	141.00	842	224.00	6337	325.00	17
57.00	1099	142.00	325	225.00	1393	327.00	271
58.00	67	143.00	160	226.00	286	328.00	129
60.00	25	144.00	43	227.00	2425	329.00	58
61.00	278	145.00	126	228.00	410	332.00	262
62.00	307	146.00	125	229.00	522	333.00	203
63.00	541	147.00	338	230.00	91	334.00	1091
64.00	132	148.00	1073	231.00	171	335.00	162
65.00	379	149.00	367	232.00	50	339.00	60
66.00	90	150.00	80	233.00	43	341.00	144
68.00	263	151.00	37	234.00	186	342.00	64
69.00	12999	153.00	307	235.00	183	346.00	373
71.00	46	154.00	281	236.00	159	347.00	62
73.00	105	155.00	569	237.00	293	348.00	25
74.00	1404	156.00	757	239.00	113	350.00	85
75.00	2050	157.00	208	240.00	45	352.00	477
76.00	815	158.00	147	241.00	167	353.00	167
77.00	15565	159.00	172	242.00	428	354.00	398
78.00	1060	160.00	244	243.00	316	355.00	86

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12778.D\8270_5R.rsl\spectra.d

Injection Date: 13-Apr-2016 06:49:30

Spectrum: Tune Spec :Average 297-299(5.73-5.75) Bgrd 293(5.71)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 298

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	877	161.00	460	244.00	4856	357.00	19
80.00	739	162.00	116	245.00	537	359.00	73
81.00	1151	164.00	84	246.00	1009	363.00	63
82.00	294	165.00	270	247.00	191	365.00	2129
83.00	255	166.00	296	249.00	173	366.00	257
84.00	19	167.00	2032	250.00	47	367.00	74
85.00	173	168.00	941	251.00	64	369.00	19
86.00	102	169.00	33	252.00	31	370.00	81
87.00	219	170.00	100	253.00	147	371.00	113
88.00	74	171.00	57	254.00	139	372.00	773
89.00	87	172.00	254	255.00	24640	373.00	224
91.00	335	173.00	292	256.00	3667	374.00	64
92.00	349	174.00	371	257.00	297	376.00	72
93.00	1663	175.00	833	258.00	1525	377.00	70
94.00	39	176.00	227	259.00	345	378.00	40
95.00	23	177.00	366	261.00	40	382.00	23
96.00	132	178.00	175	265.00	658	383.00	240
97.00	68	179.00	1467	266.00	160	384.00	111
98.00	1294	180.00	945	267.00	17	385.00	29
99.00	1080	181.00	440	271.00	82	390.00	200
100.00	145	182.00	110	272.00	68	391.00	163
101.00	563	184.00	255	273.00	813	392.00	107
103.00	260	185.00	759	274.00	2150	396.00	55
104.00	470	186.00	5440	275.00	11566	401.00	45
105.00	428	187.00	1671	276.00	1433	402.00	411
106.00	177	188.00	120	277.00	1204	403.00	597
107.00	4964	189.00	443	278.00	149	404.00	210
108.00	744	190.00	102	280.00	24	415.00	93
110.00	8799	191.00	235	281.00	98	419.00	20
111.00	1341	192.00	454	283.00	133	421.00	544
112.00	120	193.00	511	284.00	77	422.00	415
113.00	92	194.00	130	285.00	122	423.00	3945
116.00	287	196.00	1105	289.00	22	424.00	763
117.00	4233	198.00	40072	290.00	40	425.00	62

Report Date: 13-Apr-2016 12:21:09

Chrom Revision: 2.2 04-Mar-2016 14:36:24

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12778.D\8270_5R.rslt\spectra.d

Injection Date: 13-Apr-2016 06:49:30

Spectrum: Tune Spec :Average 297-299(5.73-5.75) Bgrd 293(5.71)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 298

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	262	199.00	2759	291.00	19	430.00	40
119.00	66	200.00	243	293.00	303	441.00	9235
120.00	99	201.00	234	295.00	74	442.00	69664
121.00	52	202.00	39	296.00	3920	443.00	12912
122.00	398	203.00	376	297.00	548	444.00	1218
123.00	398	204.00	1690	298.00	28	445.00	73
124.00	230	205.00	2451	300.00	20		
125.00	196	206.00	10040	301.00	17		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12778.D
Injection Date: 13-Apr-2016 06:49:30 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

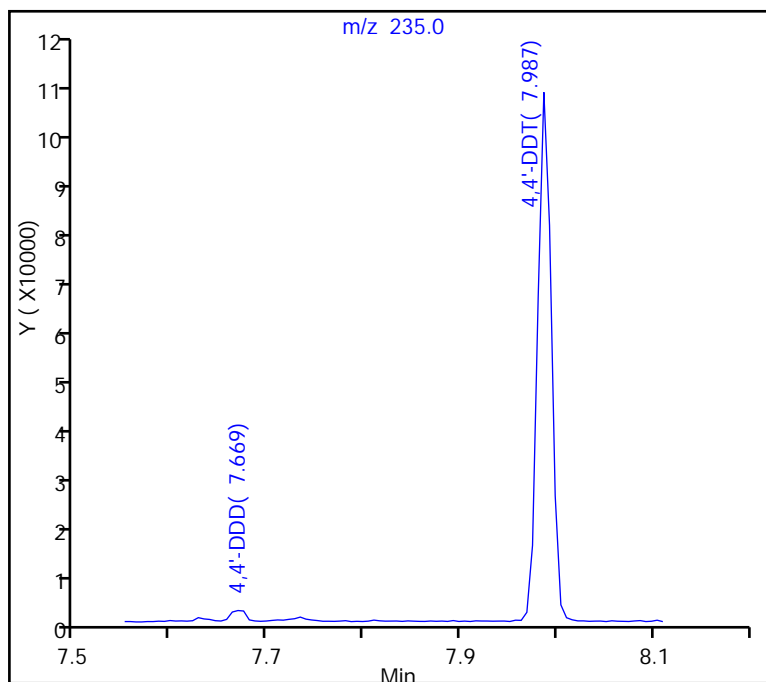
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 99248

126 4,4'-DDD, Area = 2314

125 4,4'-DDE, Area = 39

%Breakdown: 2.32%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12778.D
Injection Date: 13-Apr-2016 06:49:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

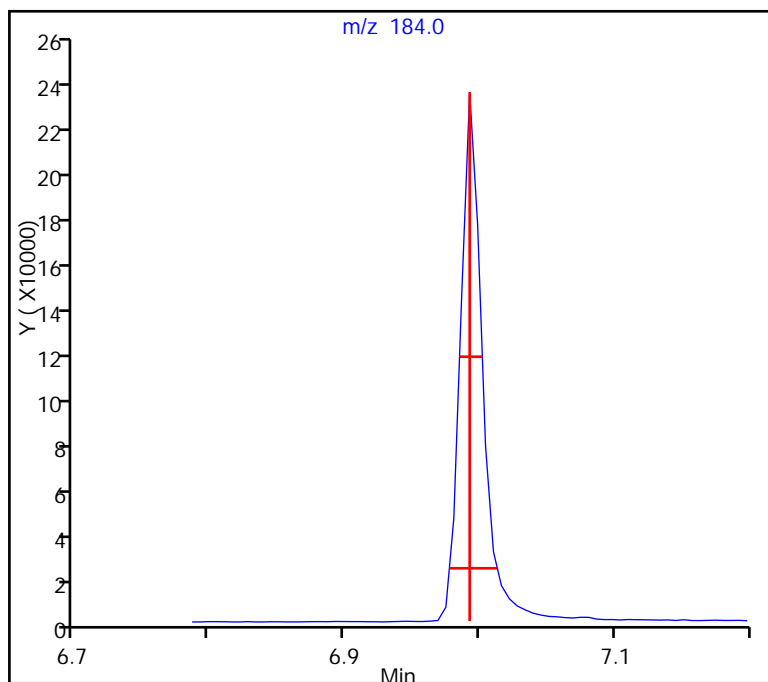
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

55 Benzidine_T, Detector: MS SCAN

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

Back Width = 0.021 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.4, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20160413-39784.b\12778.D
Injection Date: 13-Apr-2016 06:49:30 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

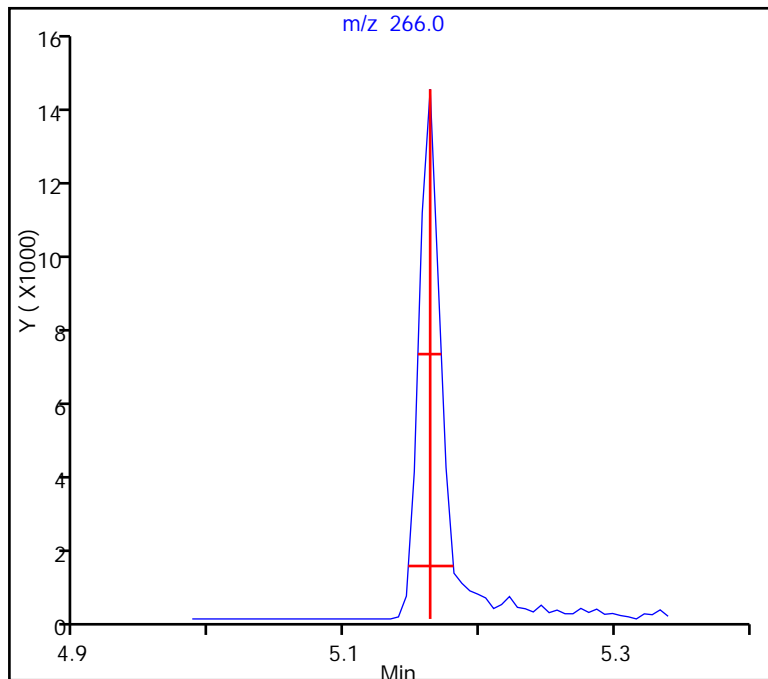
30 Pentachlorophenol_T, Detector: MS SCAN

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

Back Width = 0.017 (min.)

Front Width = 0.016 (min.)

Tailing Factor = 1.1, Max. Tailing < 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111954-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-361911/1-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>L132575.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>04/11/2016 13:02</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>04/13/2016 08:17</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>362222</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>460-111954-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-361911/1-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>L132575.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>04/11/2016 13:02</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>04/13/2016 08:17</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>362222</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: TestAmerica Edison Job No.: 460-111954-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-361911/1-A
 Matrix: Solid Lab File ID: L132575.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/11/2016 13:02
 Sample wt/vol: 15.0000 (g) Date Analyzed: 04/13/2016 08:17
 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.: 362222 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	49		10-95
321-60-8	2-Fluorobiphenyl	73		27-84
367-12-4	2-Fluorophenol (Surr)	68		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	71		28-92
4165-62-2	Phenol-d5 (Surr)	67		22-88
1718-51-0	Terphenyl-d14 (Surr)	88		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132575.D
 Lims ID: MB 460-361911/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 13-Apr-2016 08:17:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039783-007
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 13-Apr-2016 12:56:16 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: zhaoc

Date: 13-Apr-2016 12:28:02

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	3.194	3.182	0.012	94	286891	50.0	34.0	
\$ 6 Phenol-d5	99	4.093	4.105	-0.012	86	343624	50.0	33.5	
* 13 1,4-Dichlorobenzene-d4	152	4.476	4.476	0.000	98	248343	40.0	40.0	
\$ 26 Nitrobenzene-d5	82	5.029	5.035	-0.006	92	314019	50.0	35.5	
* 36 Naphthalene-d8	136	5.758	5.758	0.000	99	923696	40.0	40.0	
56 1-Naphthylamine	143	6.840	6.769	0.071	43	937		NC	
\$ 50 2-Fluorobiphenyl	172	6.840	6.846	-0.006	97	545836	50.0	36.7	
* 63 Acenaphthene-d10	164	7.511	7.511	0.000	93	416541	40.0	40.0	
57 2-Naphthylamine	143	8.287	8.192	0.095	60	17660		NC	
\$ 79 2,4,6-Tribromophenol	330	8.287	8.299	-0.012	93	42686	50.0	24.7	
* 85 Phenanthrene-d10	188	8.976	8.982	-0.006	99	531540	40.0	40.0	
\$ 94 Terphenyl-d14	244	10.558	10.564	-0.006	99	311233	50.0	43.9	
* 100 Chrysene-d12	240	11.775	11.781	-0.006	98	283504	40.0	40.0	
* 107 Perylene-d12	264	13.734	13.740	-0.006	96	216698	40.0	40.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_00106

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160413-39783.b\\L132575.D

Injection Date: 13-Apr-2016 08:17:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: MB 460-361911/1-A

Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul

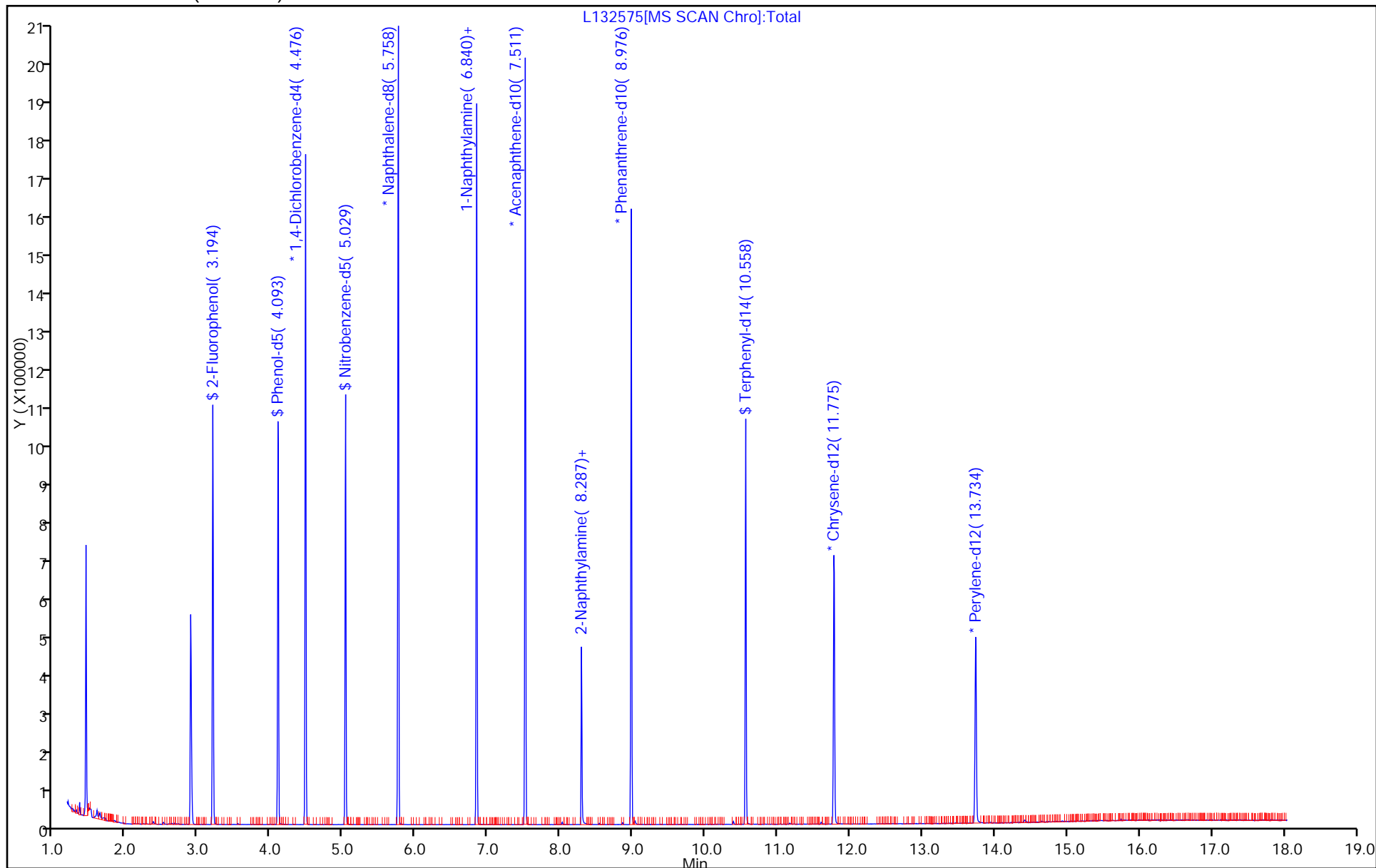
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8270_12R_9

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>460-111954-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 460-361911/2-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>L132576.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>04/11/2016 13:02</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>04/13/2016 08:42</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>362222</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2720		330	28
95-94-3	1,2,4,5-Tetrachlorobenzene	2820		330	25
108-60-1	2,2'-oxybis[1-chloropropane]	2390		330	14
58-90-2	2,3,4,6-Tetrachlorophenol	2390		330	31
95-95-4	2,4,5-Trichlorophenol	2390		330	33
88-06-2	2,4,6-Trichlorophenol	2570		130	9.4
120-83-2	2,4-Dichlorophenol	2440		130	7.8
105-67-9	2,4-Dimethylphenol	2410		330	73
51-28-5	2,4-Dinitrophenol	4360		270	250
121-14-2	2,4-Dinitrotoluene	2580		67	13
606-20-2	2,6-Dinitrotoluene	2630		67	18
91-58-7	2-Chloronaphthalene	2770		330	7.5
95-57-8	2-Chlorophenol	2420		330	8.4
91-57-6	2-Methylnaphthalene	2410		330	7.3
95-48-7	2-Methylphenol	2320		330	14
88-74-4	2-Nitroaniline	2650		330	11
88-75-5	2-Nitrophenol	2590		330	11
91-94-1	3,3'-Dichlorobenzidine	1530		130	37
99-09-2	3-Nitroaniline	1750		330	9.8
534-52-1	4,6-Dinitro-2-methylphenol	5330		270	88
101-55-3	4-Bromophenyl phenyl ether	3000		330	10
59-50-7	4-Chloro-3-methylphenol	2410		330	14
106-47-8	4-Chloroaniline	1400		330	8.5
7005-72-3	4-Chlorophenyl phenyl ether	2560		330	9.9
106-44-5	4-Methylphenol	2320		330	9.0
100-01-6	4-Nitroaniline	2240		330	13
100-02-7	4-Nitrophenol	4560		670	160
83-32-9	Acenaphthene	2460		330	8.0
208-96-8	Acenaphthylene	2720		330	8.5
98-86-2	Acetophenone	2300		330	7.2
120-12-7	Anthracene	2880		330	31
56-55-3	Benzo[a]anthracene	2760		33	28
50-32-8	Benzo[a]pyrene	2990		33	10
205-99-2	Benzo[b]fluoranthene	2940		33	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111954-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 460-361911/2-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>L132576.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>04/11/2016 13:02</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>04/13/2016 08:42</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>362222</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	2920		330	19
207-08-9	Benzo[k]fluoranthene	3010		33	14
111-91-1	Bis(2-chloroethoxy)methane	2510		330	10
111-44-4	Bis(2-chloroethyl)ether	2450		33	7.8
117-81-7	Bis(2-ethylhexyl) phthalate	2840		330	13
85-68-7	Butyl benzyl phthalate	2880		330	10
86-74-8	Carbazole	2700		330	8.2
218-01-9	Chrysene	2920		330	9.0
53-70-3	Dibenz(a,h)anthracene	3080		33	17
132-64-9	Dibenzofuran	2630		330	10
84-66-2	Diethyl phthalate	2510		330	9.4
131-11-3	Dimethyl phthalate	2590		330	9.6
84-74-2	Di-n-butyl phthalate	2680		330	9.9
117-84-0	Di-n-octyl phthalate	2970		330	17
206-44-0	Fluoranthene	2610		330	9.8
86-73-7	Fluorene	2540		330	7.2
118-74-1	Hexachlorobenzene	2880		33	13
87-68-3	Hexachlorobutadiene	2580		67	9.3
77-47-4	Hexachlorocyclopentadiene	3490		330	21
67-72-1	Hexachloroethane	2420		33	12
193-39-5	Indeno[1,2,3-cd]pyrene	3610		33	22
78-59-1	Isophorone	2610		130	7.1
91-20-3	Naphthalene	2560		330	8.4
98-95-3	Nitrobenzene	2690		33	10
621-64-7	N-Nitrosodi-n-propylamine	2410		33	11
86-30-6	N-Nitrosodiphenylamine	2960		330	30
87-86-5	Pentachlorophenol	4860		270	40
85-01-8	Phenanthrene	2770		330	8.8
108-95-2	Phenol	2360		330	11
129-00-0	Pyrene	3040		330	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111954-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 460-361911/2-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>L132576.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>04/11/2016 13:02</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>04/13/2016 08:42</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>362222</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	68		10-95
321-60-8	2-Fluorobiphenyl	80		27-84
367-12-4	2-Fluorophenol (Surr)	70		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	76		28-92
4165-62-2	Phenol-d5 (Surr)	69		22-88
1718-51-0	Terphenyl-d14 (Surr)	90		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132576.D
 Lims ID: LCS 460-361911/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 13-Apr-2016 08:42:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039783-008
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 13-Apr-2016 12:56:16 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: zhaoc

Date: 13-Apr-2016 12:29:05

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	1.794	1.741	0.053	96	74123	50.0	22.4	
2 N-Nitrosodimethylamine	74	2.023	1.982	0.041	77	185932	50.0	38.9	
3 Pyridine	79	2.058	2.017	0.041	79	256332	50.0	30.2	
\$ 4 2-Fluorophenol	112	3.194	3.182	0.012	93	302449	50.0	35.2	
\$ 6 Phenol-d5	99	4.105	4.105	0.000	88	361524	50.0	34.7	
7 Phenol	94	4.117	4.123	-0.006	98	368314	50.0	35.5	
8 Aniline	93	4.147	4.146	0.000	99	384759	50.0	30.4	
9 Bis(2-chloroethyl)ether	93	4.205	4.211	-0.006	93	304522	50.0	36.7	
10 2-Chlorophenol	128	4.270	4.270	0.000	94	317631	50.0	36.2	
11 n-Decane	43	4.317	4.317	0.000	95	444191	50.0	32.9	
12 1,3-Dichlorobenzene	146	4.423	4.423	0.000	95	357946	50.0	36.8	
* 13 1,4-Dichlorobenzene-d4	152	4.476	4.476	0.000	97	252794	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.494	4.493	0.001	94	361790	50.0	36.6	
15 Benzyl alcohol	108	4.611	4.611	0.000	92	194361	50.0	36.0	
16 1,2-Dichlorobenzene	146	4.646	4.652	-0.006	95	340337	50.0	36.4	
17 2-Methylphenol	108	4.723	4.729	-0.006	90	263610	50.0	34.8	
18 2,2'-oxybis[1-chloropropan	45	4.752	4.752	0.000	92	607777	50.0	35.9	
19 4-Methylphenol	108	4.882	4.887	-0.005	73	289147	50.0	34.8	
20 3 & 4 Methylphenol	108	4.882	4.887	-0.005	76	289147	50.0	34.8	
21 N-Nitrosodi-n-propylamine	70	4.882	4.887	-0.005	92	209939	50.0	36.2	
22 Acetophenone	105	4.882	4.887	-0.005	89	369087	50.0	34.5	
25 Hexachloroethane	117	4.988	4.993	-0.005	94	139678	50.0	36.2	
\$ 26 Nitrobenzene-d5	82	5.029	5.035	-0.006	92	320628	50.0	38.2	
27 Nitrobenzene	77	5.052	5.058	-0.006	89	434080	50.0	40.4	
28 n,n'-Dimethylaniline	120	5.058	5.058	0.000	93	492578	50.0	40.1	
29 Isophorone	82	5.293	5.299	-0.006	98	519241	50.0	39.1	
30 2-Nitrophenol	139	5.370	5.376	-0.006	89	158609	50.0	38.9	
31 2,4-Dimethylphenol	122	5.417	5.423	-0.006	91	245749	50.0	36.2	
32 Bis(2-chloroethoxy)methane	93	5.511	5.517	-0.006	97	325139	50.0	37.7	
33 Benzoic acid	122	5.523	5.535	-0.011	91	94726	50.0	27.8	
34 2,4-Dichlorophenol	162	5.617	5.623	-0.006	95	221707	50.0	36.5	
35 1,2,4-Trichlorobenzene	180	5.699	5.705	-0.006	95	261645	50.0	39.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 36 Naphthalene-d8	136	5.758	5.758	0.000	99	875306	40.0	40.0	
37 Naphthalene	128	5.782	5.787	-0.005	99	865452	50.0	38.4	
38 4-Chloroaniline	127	5.835	5.840	-0.005	97	189753	50.0	21.0	
39 Hexachlorobutadiene	225	5.911	5.917	-0.006	93	144051	50.0	38.7	
41 4-Chloro-3-methylphenol	107	6.323	6.323	0.000	98	214827	50.0	36.1	
42 2-Methylnaphthalene	142	6.476	6.482	-0.006	86	539170	50.0	36.1	
43 1-Methylnaphthalene	142	6.576	6.576	0.000	94	502272	50.0	38.8	
44 Hexachlorocyclopentadiene	237	6.640	6.646	-0.006	94	140524	50.0	52.4	
45 1,2,4,5-Tetrachlorobenzene	216	6.646	6.652	-0.006	96	215847	50.0	42.3	
46 2-tertbutyl-4-methylphenol	149	6.676	6.681	-0.005	90	363616	50.0	37.3	
48 2,4,6-Trichlorophenol	196	6.758	6.764	-0.006	88	132771	50.0	38.6	
49 2,4,5-Trichlorophenol	196	6.793	6.793	0.000	96	127928	50.0	35.8	
\$ 50 2-Fluorobiphenyl	172	6.840	6.846	-0.006	98	548826	50.0	40.2	
51 1,1'-Biphenyl	154	6.940	6.946	-0.006	95	611345	50.0	40.8	
52 2-Chloronaphthalene	162	6.958	6.964	-0.006	97	461491	50.0	41.6	
53 Phenyl ether	170	7.046	7.046	0.000	90	325441	50.0	42.3	
54 2-Nitroaniline	65	7.058	7.064	-0.006	95	165749	50.0	39.7	
55 1,3-Dimethylnaphthalene	156	7.176	7.181	-0.005	91	404268	50.0	43.4	
58 Dimethyl phthalate	163	7.240	7.246	-0.006	99	450820	50.0	38.8	
59 Coumarin	146	7.264	7.270	-0.006	74	158330	50.0	36.0	
60 2,6-Dinitrotoluene	165	7.299	7.305	-0.006	94	106219	50.0	39.4	
61 Acenaphthylene	152	7.376	7.376	0.000	97	699108	50.0	40.8	
62 3-Nitroaniline	138	7.464	7.470	-0.006	95	77430	50.0	26.2	
* 63 Acenaphthene-d10	164	7.511	7.511	0.000	93	382088	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.535	7.534	0.001	98	395460	50.0	43.4	
65 Acenaphthene	154	7.546	7.552	-0.006	95	442194	50.0	37.0	
66 2,4-Dinitrophenol	184	7.570	7.570	0.000	93	104701	100.0	65.4	
67 4-Nitrophenol	65	7.635	7.640	-0.005	93	143325	100.0	68.4	
68 2,4-Dinitrotoluene	165	7.699	7.705	-0.006	97	127908	50.0	38.8	
69 Dibenzofuran	168	7.717	7.723	-0.006	96	608997	50.0	39.5	
70 2,3,4,6-Tetrachlorophenol	232	7.840	7.840	0.000	94	97513	50.0	35.9	
71 Diethyl phthalate	149	7.940	7.946	-0.006	98	432413	50.0	37.6	
73 4-Chlorophenyl phenyl ethe	204	8.052	8.058	-0.006	83	203652	50.0	38.5	
74 Fluorene	166	8.052	8.058	-0.006	96	469148	50.0	38.1	
75 4-Nitroaniline	138	8.070	8.076	-0.006	93	93898	50.0	33.5	
76 4,6-Dinitro-2-methylphenol	198	8.099	8.105	-0.006	80	132399	100.0	80.0	
77 N-Nitrosodiphenylamine	169	8.170	8.176	-0.006	68	319202	50.0	44.4	
78 1,2-Diphenylhydrazine	77	8.211	8.217	-0.006	99	484806	50.0	46.3	
\$ 79 2,4,6-Tribromophenol	330	8.293	8.299	-0.006	94	54128	50.0	34.0	
80 4-Bromophenyl phenyl ether	248	8.534	8.540	-0.006	85	115471	50.0	45.0	
81 Hexachlorobenzene	284	8.605	8.611	-0.006	99	113555	50.0	43.2	
83 Pentachlorophenol	266	8.793	8.799	-0.006	92	116251	100.0	72.8	
84 Pentachloronitrobenzene	237	8.811	8.817	-0.006	86	48707	50.0	46.0	
72 n-Octadecane	57	8.870	8.875	-0.005	93	406960	50.0	43.4	
* 85 Phenanthrene-d10	188	8.976	8.982	-0.006	99	473000	40.0	40.0	
86 Phenanthrene	178	8.999	9.005	-0.006	98	569688	50.0	41.6	
87 Anthracene	178	9.052	9.058	-0.006	98	591519	50.0	43.2	
88 Carbazole	167	9.205	9.211	-0.006	96	483716	50.0	40.5	
89 Di-n-butyl phthalate	149	9.546	9.552	-0.006	100	603203	50.0	40.1	
90 Fluoranthene	202	10.170	10.175	-0.005	97	488412	50.0	39.1	
91 Benzidine	184	10.299	10.305	-0.006	99	113176	50.0	20.1	
92 Pyrene	202	10.399	10.405	-0.006	97	477033	50.0	45.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Bisphenol-A	213	10.440	10.446	-0.006	99	75152	25.0	17.9	
\$ 94 Terphenyl-d14	244	10.558	10.564	-0.006	99	320309	50.0	44.9	
95 Butyl benzyl phthalate	149	11.093	11.099	-0.006	98	202767	50.0	43.1	
97 Carbamazepine	193	11.223	11.234	-0.011	92	106496	50.0	30.6	
98 3,3'-Dichlorobenzidine	252	11.734	11.740	-0.006	99	65714	50.0	23.0	
99 Benzo[a]anthracene	228	11.770	11.775	-0.005	99	359916	50.0	41.5	
* 100 Chrysene-d12	240	11.781	11.781	0.000	98	285453	40.0	40.0	
102 Bis(2-ethylhexyl) phthalat	149	11.805	11.811	-0.006	90	280384	50.0	42.6	
101 Chrysene	228	11.817	11.822	-0.005	98	343457	50.0	43.9	
103 Di-n-octyl phthalate	149	12.675	12.687	-0.012	97	426543	50.0	44.6	
104 Benzo[b]fluoranthene	252	13.205	13.216	-0.011	98	290418	50.0	44.1	
105 Benzo[k]fluoranthene	252	13.240	13.252	-0.012	99	310945	50.0	45.2	
106 Benzo[a]pyrene	252	13.658	13.669	-0.011	96	278782	50.0	44.9	
* 107 Perylene-d12	264	13.734	13.740	-0.006	96	226696	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.205	15.222	-0.017	98	302312	50.0	54.1	
109 Dibenz(a,h)anthracene	278	15.234	15.252	-0.018	95	247002	50.0	46.2	
110 Benzo[g,h,i]perylene	276	15.575	15.593	-0.018	95	260995	50.0	43.9	

Reagents:

SM_ISTD_00106

Amount Added: 20.00

Units: uL

Run Reagent

Chrom Revision: 2.2 04-Mar-2016 14:36:24

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160413-39783.b\\L132576.D

Operator ID:

Worklist Smp#: 8

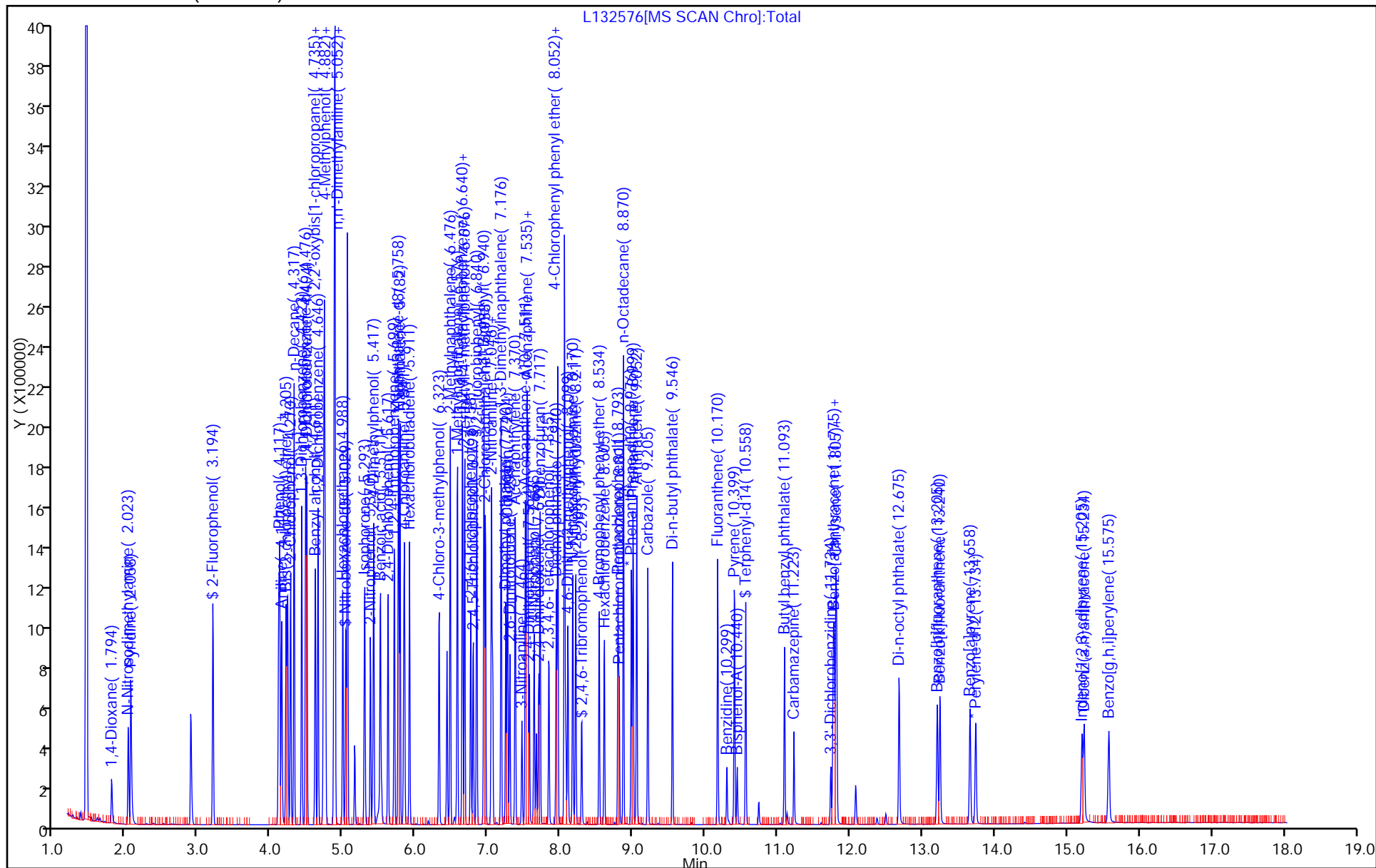
ALS Bottle#:

Dil. Factor: 1.0000

ALS Bottle#: 8

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111954-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-361911/3-A
 Matrix: Solid Lab File ID: L132577.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/11/2016 13:02
 Sample wt/vol: 15.0000(g) Date Analyzed: 04/13/2016 09:08
 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.: 362222 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	5820		130	15
100-52-7	Benzaldehyde	5040		330	25
105-60-2	Caprolactam	5840		330	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	48		10-95
321-60-8	2-Fluorobiphenyl	81		27-84
367-12-4	2-Fluorophenol (Surr)	71		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	78		28-92
4165-62-2	Phenol-d5 (Surr)	72		22-88
1718-51-0	Terphenyl-d14 (Surr)	94		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132577.D
 Lims ID: LCS 460-361911/3-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 13-Apr-2016 09:08:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039783-009
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 13-Apr-2016 12:56:16 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: zhaoc

Date: 13-Apr-2016 12:29:34

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	3.188	3.182	0.006	93	261026	50.0	35.7	
5 Benzaldehyde	77	4.041	4.035	0.006	94	456818	100.0	75.5	
\$ 6 Phenol-d5	99	4.093	4.105	-0.012	86	319210	50.0	36.0	
* 13 1,4-Dichlorobenzene-d4	152	4.476	4.476	0.000	97	215161	40.0	40.0	
\$ 26 Nitrobenzene-d5	82	5.029	5.035	-0.006	92	291789	50.0	39.1	
* 36 Naphthalene-d8	136	5.758	5.758	0.000	99	779186	40.0	40.0	
40 Caprolactam	113	6.164	6.164	0.000	88	131687	100.0	87.7	
\$ 50 2-Fluorobiphenyl	172	6.840	6.846	-0.006	98	513679	50.0	40.6	
* 63 Acenaphthene-d10	164	7.511	7.511	0.000	93	354576	40.0	40.0	
\$ 79 2,4,6-Tribromophenol	330	8.287	8.299	-0.012	92	34991	50.0	23.8	
82 Atrazine	200	8.693	8.693	0.000	88	195989	100.0	87.4	
* 85 Phenanthrene-d10	188	8.976	8.982	-0.006	99	455793	40.0	40.0	
\$ 94 Terphenyl-d14	244	10.558	10.564	-0.006	99	322145	50.0	47.1	
* 100 Chrysene-d12	240	11.775	11.781	-0.006	98	273717	40.0	40.0	
* 107 Perylene-d12	264	13.734	13.740	-0.006	97	221221	40.0	40.0	

Reagents:

SM_ISTD_00106 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160413-39783.b\\L132577.D

Injection Date: 13-Apr-2016 09:08:30

Instrument ID: CBNAMS12

Operator ID:

Lims ID: LCS 460-361911/3-A

Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul

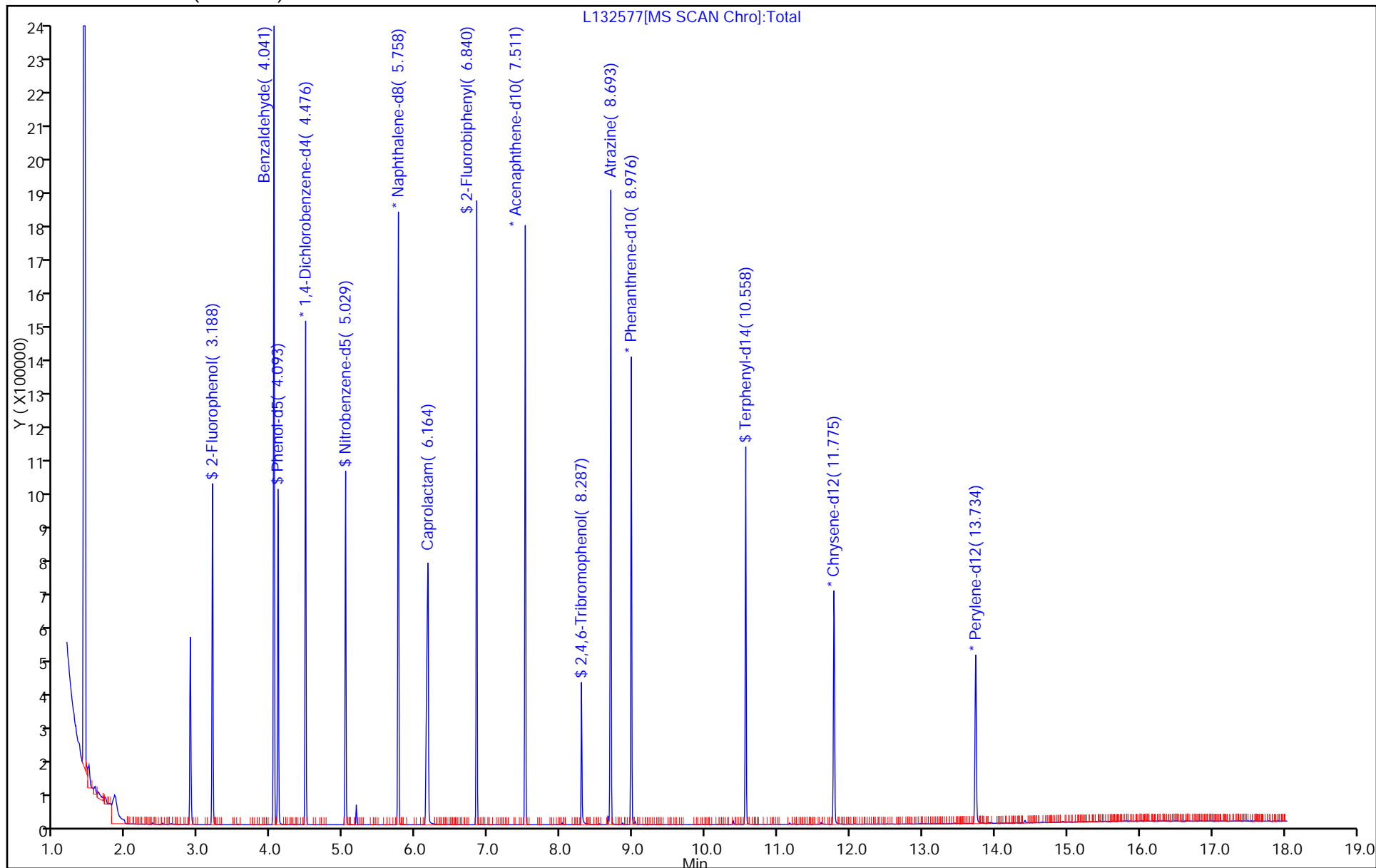
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8270_12R_9

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>460-111954-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-111850-A-3-D MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>L132581.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>04/08/2016 13:25</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/11/2016 13:02</u>
Sample wt/vol: <u>15.0247(g)</u>	Date Analyzed: <u>04/13/2016 10:52</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>6.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362222</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2480		350	30
95-94-3	1,2,4,5-Tetrachlorobenzene	2580		350	26
108-60-1	2,2'-oxybis[1-chloropropane]	2190		350	14
58-90-2	2,3,4,6-Tetrachlorophenol	1290		350	33
95-95-4	2,4,5-Trichlorophenol	1770		350	35
88-06-2	2,4,6-Trichlorophenol	1960		140	10
120-83-2	2,4-Dichlorophenol	1970		140	8.3
105-67-9	2,4-Dimethylphenol	2080		350	77
51-28-5	2,4-Dinitrophenol	328		280	270
121-14-2	2,4-Dinitrotoluene	2390		71	14
606-20-2	2,6-Dinitrotoluene	2440		71	19
91-58-7	2-Chloronaphthalene	2520		350	8.0
95-57-8	2-Chlorophenol	2120		350	8.9
91-57-6	2-Methylnaphthalene	2190		350	7.8
95-48-7	2-Methylphenol	2080		350	15
88-74-4	2-Nitroaniline	2400		350	12
88-75-5	2-Nitrophenol	1780		350	12
91-94-1	3,3'-Dichlorobenzidine	2050		140	39
99-09-2	3-Nitroaniline	2030		350	10
534-52-1	4,6-Dinitro-2-methylphenol	886		280	94
101-55-3	4-Bromophenyl phenyl ether	2650		350	11
59-50-7	4-Chloro-3-methylphenol	2060		350	15
106-47-8	4-Chloroaniline	1360		350	9.0
7005-72-3	4-Chlorophenyl phenyl ether	2310		350	11
106-44-5	4-Methylphenol	2080		350	9.6
100-01-6	4-Nitroaniline	2120		350	13
100-02-7	4-Nitrophenol	3380		710	170
83-32-9	Acenaphthene	2130		350	8.5
208-96-8	Acenaphthylene	2470		350	9.0
98-86-2	Acetophenone	2120		350	7.7
120-12-7	Anthracene	2540		350	33
1912-24-9	Atrazine	5190		140	16
100-52-7	Benzaldehyde	4320		350	27
56-55-3	Benzo[a]anthracene	2510		35	29

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111954-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-111850-A-3-D MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>L132581.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>04/08/2016 13:25</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/11/2016 13:02</u>
Sample wt/vol: <u>15.0247(g)</u>	Date Analyzed: <u>04/13/2016 10:52</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>6.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362222</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	2730		35	11
205-99-2	Benzo[b]fluoranthene	2670		35	14
191-24-2	Benzo[g,h,i]perylene	2690		350	20
207-08-9	Benzo[k]fluoranthene	2690		35	15
111-91-1	Bis(2-chloroethoxy)methane	2330		350	11
111-44-4	Bis(2-chloroethyl)ether	2230		35	8.3
117-81-7	Bis(2-ethylhexyl) phthalate	2550		350	14
85-68-7	Butyl benzyl phthalate	2660		350	11
105-60-2	Caprolactam	3610		350	25
86-74-8	Carbazole	2420		350	8.7
218-01-9	Chrysene	2660		350	9.6
53-70-3	Dibenz(a,h)anthracene	2850		35	18
132-64-9	Dibenzofuran	2390		350	11
84-66-2	Diethyl phthalate	2320		350	10
131-11-3	Dimethyl phthalate	2390		350	10
84-74-2	Di-n-butyl phthalate	2460		350	11
117-84-0	Di-n-octyl phthalate	2650		350	18
206-44-0	Fluoranthene	2430		350	10
86-73-7	Fluorene	2320		350	7.7
118-74-1	Hexachlorobenzene	2580		35	14
87-68-3	Hexachlorobutadiene	2400		71	9.9
77-47-4	Hexachlorocyclopentadiene	2940		350	22
67-72-1	Hexachloroethane	2260		35	13
193-39-5	Indeno[1,2,3-cd]pyrene	3330		35	23
78-59-1	Isophorone	2430		140	7.6
91-20-3	Naphthalene	2360		350	8.9
98-95-3	Nitrobenzene	2380		35	11
621-64-7	N-Nitrosodi-n-propylamine	2270		35	12
86-30-6	N-Nitrosodiphenylamine	2590		350	32
87-86-5	Pentachlorophenol	640		280	43
85-01-8	Phenanthrene	2480		350	9.4
108-95-2	Phenol	2100		350	11
129-00-0	Pyrene	2830		350	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111954-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: 460-111850-A-3-D MS
Matrix: Solid Lab File ID: L132581.D
Analysis Method: 8270D Date Collected: 04/08/2016 13:25
Extract. Method: 3546 Date Extracted: 04/11/2016 13:02
Sample wt/vol: 15.0247(g) Date Analyzed: 04/13/2016 10:52
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 6.2 GPC Cleanup: (Y/N) N
Analysis Batch No.: 362222 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	50		10-95
321-60-8	2-Fluorobiphenyl	68		27-84
367-12-4	2-Fluorophenol (Surr)	58		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	65		28-92
4165-62-2	Phenol-d5 (Surr)	58		22-88
1718-51-0	Terphenyl-d14 (Surr)	76		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132581.D
 Lims ID: 460-111850-A-3-D MS
 Client ID: B4
 Sample Type: MS
 Inject. Date: 13-Apr-2016 10:52:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039783-013
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 13-Apr-2016 12:56:16 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: zhaoc

Date: 13-Apr-2016 12:40:50

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	1.799	1.741	0.058	96	68821	50.0	20.5	
2 N-Nitrosodimethylamine	74	2.029	1.982	0.047	77	160735	50.0	33.2	
3 Pyridine	79	2.064	2.017	0.047	77	105233	50.0	12.2	
\$ 4 2-Fluorophenol	112	3.199	3.182	0.017	94	250726	50.0	28.8	
5 Benzaldehyde	77	4.040	4.035	0.005	94	438079	100.0	60.9	
\$ 6 Phenol-d5	99	4.105	4.105	0.000	88	308586	50.0	29.2	
7 Phenol	94	4.117	4.123	-0.006	98	311134	50.0	29.6	
8 Aniline	93	4.146	4.146	0.000	99	217952	50.0	17.0	
9 Bis(2-chloroethyl)ether	93	4.205	4.211	-0.006	93	263627	50.0	31.4	
10 2-Chlorophenol	128	4.270	4.270	0.000	95	265628	50.0	29.9	
11 n-Decane	43	4.317	4.317	0.000	95	400477	50.0	29.3	
12 1,3-Dichlorobenzene	146	4.423	4.423	0.000	95	311534	50.0	31.7	
* 13 1,4-Dichlorobenzene-d4	152	4.476	4.476	0.000	97	255989	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.493	4.493	0.000	94	319372	50.0	31.9	
15 Benzyl alcohol	108	4.611	4.611	0.000	92	168048	50.0	30.7	
16 1,2-Dichlorobenzene	146	4.646	4.652	-0.006	95	300064	50.0	31.7	
17 2-Methylphenol	108	4.723	4.729	-0.006	90	224715	50.0	29.3	
18 2,2'-oxybis[1-chloropropan	45	4.746	4.752	-0.006	91	529558	50.0	30.9	
19 4-Methylphenol	108	4.882	4.887	-0.005	72	246459	50.0	29.3	
20 3 & 4 Methylphenol	108	4.882	4.887	-0.005	75	246459	50.0	29.3	
21 N-Nitrosodi-n-propylamine	70	4.882	4.887	-0.005	94	188027	50.0	32.0	
22 Acetophenone	105	4.882	4.887	-0.005	92	323224	50.0	29.9	
25 Hexachloroethane	117	4.987	4.993	-0.006	94	124116	50.0	31.8	
24 2-Toluidine	107	5.052	4.998	0.054	35	3863		NC	
\$ 26 Nitrobenzene-d5	82	5.029	5.035	-0.006	92	279922	50.0	32.5	
27 Nitrobenzene	77	5.052	5.058	-0.006	89	370173	50.0	33.5	
28 n,n'-Dimethylaniline	120	5.052	5.058	-0.006	94	382008	50.0	30.7	
29 Isophorone	82	5.287	5.299	-0.012	98	466694	50.0	34.2	
30 2-Nitrophenol	139	5.370	5.376	-0.006	89	105234	50.0	25.1	
31 2,4-Dimethylphenol	122	5.417	5.423	-0.006	91	204464	50.0	29.3	
32 Bis(2-chloroethoxy)methane	93	5.505	5.517	-0.012	98	291498	50.0	32.9	
34 2,4-Dichlorophenol	162	5.617	5.623	-0.006	95	173241	50.0	27.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.699	5.705	-0.006	95	230348	50.0	33.9	
* 36 Naphthalene-d8	136	5.758	5.758	0.000	99	899891	40.0	40.0	
37 Naphthalene	128	5.782	5.787	-0.005	99	771244	50.0	33.3	
38 4-Chloroaniline	127	5.834	5.840	-0.006	97	178169	50.0	19.2	
39 Hexachlorobutadiene	225	5.911	5.917	-0.006	94	129446	50.0	33.9	
40 Caprolactam	113	6.176	6.164	0.012	88	88207	100.0	50.8	
41 4-Chloro-3-methylphenol	107	6.329	6.323	0.006	98	176974	50.0	29.0	
42 2-Methylnaphthalene	142	6.476	6.482	-0.006	86	474077	50.0	30.9	
43 1-Methylnaphthalene	142	6.576	6.576	0.000	94	442430	50.0	33.2	
44 Hexachlorocyclopentadiene	237	6.640	6.646	-0.006	94	115777	50.0	41.5	
45 1,2,4,5-Tetrachlorobenzene	216	6.646	6.652	-0.006	97	193212	50.0	36.4	
46 2-tertbutyl-4-methylphenol	149	6.676	6.681	-0.005	90	303587	50.0	30.3	
48 2,4,6-Trichlorophenol	196	6.758	6.764	-0.006	87	98306	50.0	27.6	
56 1-Naphthylamine	143	6.840	6.769	0.071	43	973		NC	
49 2,4,5-Trichlorophenol	196	6.799	6.793	0.006	95	92792	50.0	25.0	
\$ 50 2-Fluorobiphenyl	172	6.840	6.846	-0.006	98	480893	50.0	33.9	
51 1,1'-Biphenyl	154	6.940	6.946	-0.006	95	543319	50.0	34.9	
52 2-Chloronaphthalene	162	6.958	6.964	-0.006	97	410309	50.0	35.5	
53 Phenyl ether	170	7.046	7.046	0.000	90	283921	50.0	35.5	
54 2-Nitroaniline	65	7.058	7.064	-0.006	98	146734	50.0	33.8	
55 1,3-Dimethylnaphthalene	156	7.181	7.181	0.000	92	358751	50.0	37.0	
58 Dimethyl phthalate	163	7.240	7.246	-0.006	99	406188	50.0	33.6	
59 Coumarin	146	7.264	7.270	-0.006	79	142287	50.0	31.5	
60 2,6-Dinitrotoluene	165	7.299	7.305	-0.006	94	96244	50.0	34.4	
61 Acenaphthylene	152	7.376	7.376	0.000	98	621182	50.0	34.8	
62 3-Nitroaniline	138	7.464	7.470	-0.006	95	88019	50.0	28.7	
* 63 Acenaphthene-d10	164	7.511	7.511	0.000	93	397386	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.534	7.534	0.000	98	282966	50.0	29.8	
65 Acenaphthene	154	7.546	7.552	-0.006	95	373870	50.0	30.1	
66 2,4-Dinitrophenol	184	7.570	7.570	0.000	77	1631	100.0	4.62	
67 4-Nitrophenol	65	7.634	7.640	-0.006	92	103697	100.0	47.6	
68 2,4-Dinitrotoluene	165	7.699	7.705	-0.006	96	115598	50.0	33.7	
69 Dibenzofuran	168	7.717	7.723	-0.006	96	539313	50.0	33.6	
70 2,3,4,6-Tetrachlorophenol	232	7.840	7.840	0.000	92	51440	50.0	18.2	
71 Diethyl phthalate	149	7.940	7.946	-0.006	98	390065	50.0	32.6	
73 4-Chlorophenyl phenyl ethe	204	8.052	8.058	-0.006	84	179533	50.0	32.6	
74 Fluorene	166	8.052	8.058	-0.006	96	418592	50.0	32.7	
75 4-Nitroaniline	138	8.070	8.076	-0.006	92	87039	50.0	29.9	
76 4,6-Dinitro-2-methylphenol	198	8.099	8.105	-0.006	80	19340	100.0	12.5	
77 N-Nitrosodiphenylamine	169	8.170	8.176	-0.006	68	280120	50.0	36.5	
57 2-Naphthylamine	143	8.287	8.192	0.095	59	16854		NC	
78 1,2-Diphenylhydrazine	77	8.205	8.217	-0.012	99	426545	50.0	38.1	
\$ 79 2,4,6-Tribromophenol	330	8.293	8.299	-0.006	93	41365	50.0	25.1	
80 4-Bromophenyl phenyl ether	248	8.534	8.540	-0.006	87	102295	50.0	37.3	
81 Hexachlorobenzene	284	8.605	8.611	-0.006	99	101877	50.0	36.3	
82 Atrazine	200	8.693	8.693	0.000	88	181892	100.0	73.2	
83 Pentachlorophenol	266	8.793	8.799	-0.006	92	15371	100.0	9.02	
84 Pentachloronitrobenzene	237	8.811	8.817	-0.006	87	40947	50.0	36.2	
72 n-Octadecane	57	8.870	8.875	-0.005	93	352745	50.0	35.3	
* 85 Phenanthrene-d10	188	8.975	8.982	-0.007	99	504854	40.0	40.0	
86 Phenanthrene	178	8.999	9.005	-0.006	98	510757	50.0	35.0	
87 Anthracene	178	9.052	9.058	-0.006	98	523793	50.0	35.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Carbazole	167	9.205	9.211	-0.006	96	434188	50.0	34.0	
89 Di-n-butyl phthalate	149	9.546	9.552	-0.006	100	555896	50.0	34.7	
90 Fluoranthene	202	10.169	10.175	-0.006	97	455975	50.0	34.2	
91 Benzdine	184	10.299	10.305	-0.006	99	10686	50.0	1.94	
92 Pyrene	202	10.399	10.405	-0.006	96	447088	50.0	39.9	
93 Bisphenol-A	213	10.440	10.446	-0.006	99	59278	25.0	13.2	
\$ 94 Terphenyl-d14	244	10.558	10.564	-0.006	99	292231	50.0	38.2	
95 Butyl benzyl phthalate	149	11.093	11.099	-0.006	98	188847	50.0	37.5	
97 Carbamazepine	193	11.222	11.234	-0.012	92	69640	50.0	18.7	
98 3,3'-Dichlorobenzidine	252	11.734	11.740	-0.006	99	88537	50.0	28.9	
99 Benzo[a]anthracene	228	11.769	11.775	-0.006	99	329029	50.0	35.4	
* 100 Chrysene-d12	240	11.781	11.781	0.000	98	305750	40.0	40.0	
102 Bis(2-ethylhexyl) phthalat	149	11.805	11.811	-0.006	88	253218	50.0	35.9	
101 Chrysene	228	11.811	11.822	-0.011	98	314907	50.0	37.6	
103 Di-n-octyl phthalate	149	12.675	12.687	-0.012	97	390017	50.0	37.4	
104 Benzo[b]fluoranthene	252	13.205	13.216	-0.011	98	270445	50.0	37.7	
105 Benzo[k]fluoranthene	252	13.240	13.252	-0.012	99	285051	50.0	38.0	
106 Benzo[a]pyrene	252	13.657	13.669	-0.012	96	260564	50.0	38.5	
* 107 Perylene-d12	264	13.740	13.740	0.000	97	247182	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.204	15.222	-0.018	98	285425	50.0	46.9	
109 Dibenz(a,h)anthracene	278	15.234	15.252	-0.018	94	234570	50.0	40.2	
110 Benzo[g,h,i]perylene	276	15.575	15.593	-0.018	94	245854	50.0	37.9	
S 117 Total Cresols	1				0			58.6	
123 4,4'-DDD	235	7.840	7.775	0.065	55	1926		NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

SM_ISTD_00106

Amount Added: 20.00

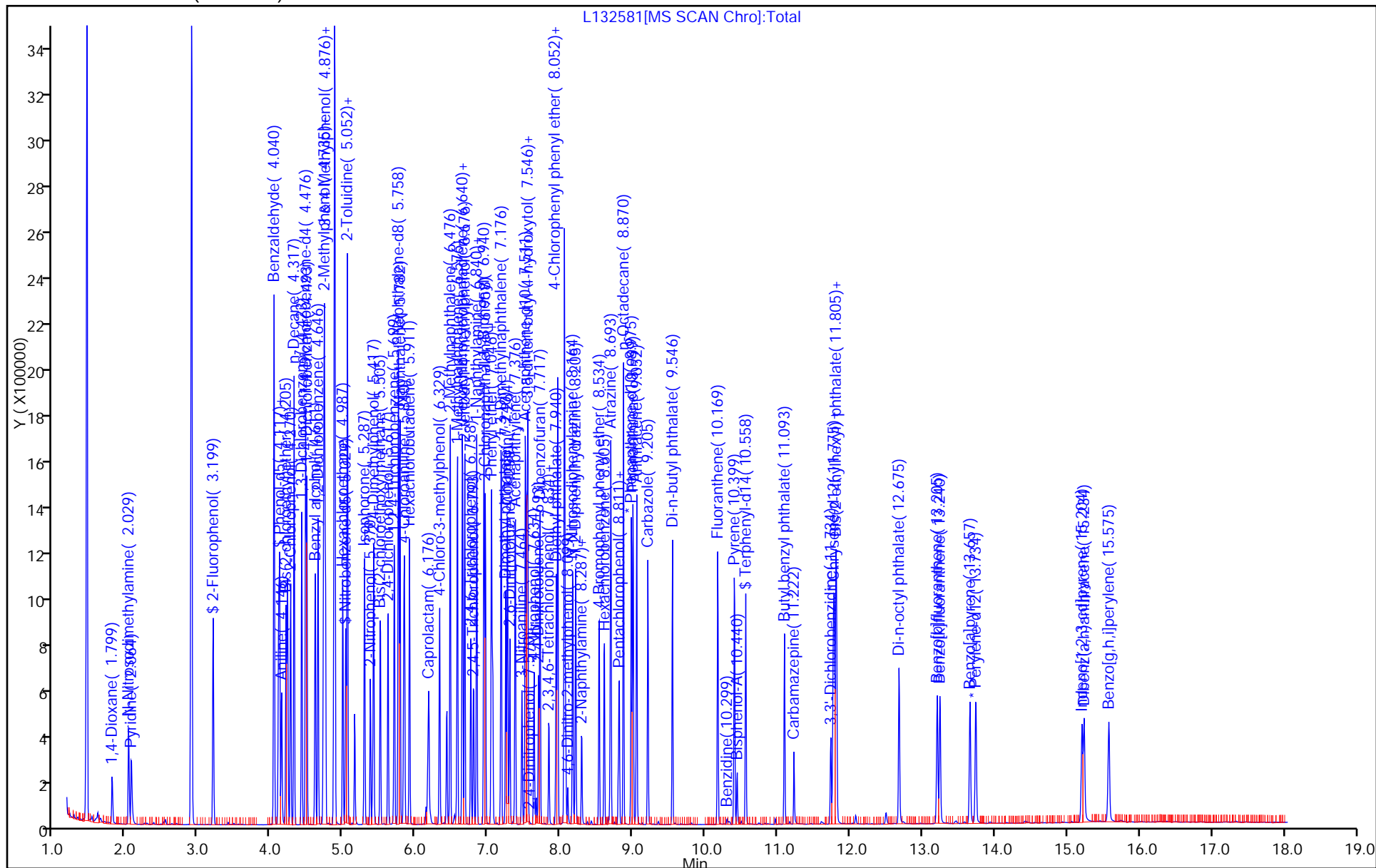
Units: uL

Run Reagent

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMs12\\20160413-39783.b\\L132581.D		
Injection Date:	13-Apr-2016 10:52:30	Instrument ID:	CBNAMs12
Lims ID:	460-111850-A-3-D MS		
Client ID:	B4		
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)		

Operator ID:
Worklist Smp#: 13

ALS Bottle#: 13



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111954-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-111850-A-3-E MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>L132582.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>04/08/2016 13:25</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/11/2016 13:02</u>
Sample wt/vol: <u>15.0255(g)</u>	Date Analyzed: <u>04/13/2016 11:18</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>6.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362222</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2650		350	30
95-94-3	1,2,4,5-Tetrachlorobenzene	2740		350	26
108-60-1	2,2'-oxybis[1-chloropropane]	2280		350	14
58-90-2	2,3,4,6-Tetrachlorophenol	1480		350	33
95-95-4	2,4,5-Trichlorophenol	1900		350	35
88-06-2	2,4,6-Trichlorophenol	2070		140	10
120-83-2	2,4-Dichlorophenol	2070		140	8.3
105-67-9	2,4-Dimethylphenol	2200		350	77
51-28-5	2,4-Dinitrophenol	406		280	270
121-14-2	2,4-Dinitrotoluene	2560		71	14
606-20-2	2,6-Dinitrotoluene	2550		71	19
91-58-7	2-Chloronaphthalene	2660		350	8.0
95-57-8	2-Chlorophenol	2190		350	8.9
91-57-6	2-Methylnaphthalene	2290		350	7.8
95-48-7	2-Methylphenol	2160		350	15
88-74-4	2-Nitroaniline	2540		350	12
88-75-5	2-Nitrophenol	1870		350	12
91-94-1	3,3'-Dichlorobenzidine	2080		140	39
99-09-2	3-Nitroaniline	2030		350	10
534-52-1	4,6-Dinitro-2-methylphenol	1450		280	94
101-55-3	4-Bromophenyl phenyl ether	2810		350	11
59-50-7	4-Chloro-3-methylphenol	2120		350	15
106-47-8	4-Chloroaniline	1200		350	9.0
7005-72-3	4-Chlorophenyl phenyl ether	2450		350	11
106-44-5	4-Methylphenol	2150		350	9.6
100-01-6	4-Nitroaniline	2200		350	13
100-02-7	4-Nitrophenol	3580		710	170
83-32-9	Acenaphthene	2240		350	8.5
208-96-8	Acenaphthylene	2640		350	9.0
98-86-2	Acetophenone	2200		350	7.7
120-12-7	Anthracene	2720		350	33
1912-24-9	Atrazine	5490		140	16
100-52-7	Benzaldehyde	4300		350	27
56-55-3	Benzo[a]anthracene	2660		35	29

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-111954-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-111850-A-3-E MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>L132582.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>04/08/2016 13:25</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>04/11/2016 13:02</u>
Sample wt/vol: <u>15.0255(g)</u>	Date Analyzed: <u>04/13/2016 11:18</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>6.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>362222</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	2850		35	11
205-99-2	Benzo[b]fluoranthene	2790		35	14
191-24-2	Benzo[g,h,i]perylene	2780		350	20
207-08-9	Benzo[k]fluoranthene	2840		35	15
111-91-1	Bis(2-chloroethoxy)methane	2410		350	11
111-44-4	Bis(2-chloroethyl)ether	2330		35	8.3
117-81-7	Bis(2-ethylhexyl) phthalate	2690		350	14
85-68-7	Butyl benzyl phthalate	2740		350	11
105-60-2	Caprolactam	3250		350	25
86-74-8	Carbazole	2590		350	8.7
218-01-9	Chrysene	2810		350	9.6
53-70-3	Dibenz(a,h)anthracene	2970		35	18
132-64-9	Dibenzofuran	2500		350	11
84-66-2	Diethyl phthalate	2460		350	10
131-11-3	Dimethyl phthalate	2530		350	10
84-74-2	Di-n-butyl phthalate	2590		350	11
117-84-0	Di-n-octyl phthalate	2750		350	18
206-44-0	Fluoranthene	2610		350	10
86-73-7	Fluorene	2440		350	7.7
118-74-1	Hexachlorobenzene	2720		35	14
87-68-3	Hexachlorobutadiene	2490		71	9.9
77-47-4	Hexachlorocyclopentadiene	3130		350	22
67-72-1	Hexachloroethane	2350		35	13
193-39-5	Indeno[1,2,3-cd]pyrene	3490		35	23
78-59-1	Isophorone	2500		140	7.6
91-20-3	Naphthalene	2450		350	8.9
98-95-3	Nitrobenzene	2480		35	11
621-64-7	N-Nitrosodi-n-propylamine	2350		35	12
86-30-6	N-Nitrosodiphenylamine	2740		350	32
87-86-5	Pentachlorophenol	1510		280	43
85-01-8	Phenanthrene	2660		350	9.4
108-95-2	Phenol	2190		350	11
129-00-0	Pyrene	2850		350	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-111954-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: 460-111850-A-3-E MSD
Matrix: Solid Lab File ID: L132582.D
Analysis Method: 8270D Date Collected: 04/08/2016 13:25
Extract. Method: 3546 Date Extracted: 04/11/2016 13:02
Sample wt/vol: 15.0255(g) Date Analyzed: 04/13/2016 11:18
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 6.2 GPC Cleanup: (Y/N) N
Analysis Batch No.: 362222 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	51		10-95
321-60-8	2-Fluorobiphenyl	73		27-84
367-12-4	2-Fluorophenol (Surr)	60		21-84
4165-60-0	Nitrobenzene-d5 (Surr)	68		28-92
4165-62-2	Phenol-d5 (Surr)	62		22-88
1718-51-0	Terphenyl-d14 (Surr)	76		16-114

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\L132582.D
 Lims ID: 460-111850-A-3-E MSD
 Client ID: B4
 Sample Type: MSD
 Inject. Date: 13-Apr-2016 11:18:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0039783-014
 Operator ID: Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20160413-39783.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 13-Apr-2016 12:56:16 Calib Date: 11-Apr-2016 17:16:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20160411-39690.b\L132506.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: zhaoc

Date: 13-Apr-2016 12:49:53

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	1.800	1.741	0.059	96	70545	50.0	20.7	
2 N-Nitrosodimethylamine	74	2.029	1.982	0.047	77	168194	50.0	34.2	
3 Pyridine	79	2.064	2.017	0.047	78	132983	50.0	15.2	
\$ 4 2-Fluorophenol	112	3.199	3.182	0.017	93	267416	50.0	30.2	
5 Benzaldehyde	77	4.041	4.035	0.006	94	443041	100.0	60.6	
\$ 6 Phenol-d5	99	4.105	4.105	0.000	88	330522	50.0	30.8	
7 Phenol	94	4.117	4.123	-0.006	98	329811	50.0	30.8	
8 Aniline	93	4.146	4.146	0.000	99	221394	50.0	17.0	
9 Bis(2-chloroethyl)ether	93	4.205	4.211	-0.006	93	280774	50.0	32.9	
10 2-Chlorophenol	128	4.270	4.270	0.000	95	278380	50.0	30.8	
11 n-Decane	43	4.317	4.317	0.000	95	422405	50.0	30.4	
12 1,3-Dichlorobenzene	146	4.423	4.423	0.000	95	329226	50.0	32.9	
* 13 1,4-Dichlorobenzene-d4	152	4.476	4.476	0.000	97	260228	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.493	4.493	0.000	94	337697	50.0	33.2	
15 Benzyl alcohol	108	4.611	4.611	0.000	92	180383	50.0	32.4	
16 1,2-Dichlorobenzene	146	4.646	4.652	-0.006	95	317582	50.0	33.0	
17 2-Methylphenol	108	4.723	4.729	-0.006	89	236758	50.0	30.4	
18 2,2'-oxybis[1-chloropropan	45	4.752	4.752	0.000	92	558540	50.0	32.1	
19 4-Methylphenol	108	4.882	4.887	-0.005	72	258943	50.0	30.3	
20 3 & 4 Methylphenol	108	4.882	4.887	-0.005	75	258943	50.0	30.3	
21 N-Nitrosodi-n-propylamine	70	4.882	4.887	-0.005	84	197721	50.0	33.1	
22 Acetophenone	105	4.882	4.887	-0.005	86	341919	50.0	31.1	
25 Hexachloroethane	117	4.988	4.993	-0.005	93	131707	50.0	33.2	
24 2-Toluidine	107	5.052	4.998	0.054	34	4174		NC	
\$ 26 Nitrobenzene-d5	82	5.029	5.035	-0.006	92	296381	50.0	34.0	
27 Nitrobenzene	77	5.052	5.058	-0.006	89	390341	50.0	34.9	
28 n,n'-Dimethylaniline	120	5.052	5.058	-0.006	92	411441	50.0	32.6	
29 Isophorone	82	5.288	5.299	-0.011	98	487311	50.0	35.3	
30 2-Nitrophenol	139	5.370	5.376	-0.006	88	111629	50.0	26.3	
31 2,4-Dimethylphenol	122	5.417	5.423	-0.006	91	218756	50.0	31.0	
32 Bis(2-chloroethoxy)methane	93	5.511	5.517	-0.006	96	304182	50.0	33.9	
34 2,4-Dichlorophenol	162	5.617	5.623	-0.006	96	183583	50.0	29.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 1,2,4-Trichlorobenzene	180	5.705	5.705	0.000	95	243145	50.0	35.4	
* 36 Naphthalene-d8	136	5.758	5.758	0.000	99	909827	40.0	40.0	
37 Naphthalene	128	5.782	5.787	-0.005	99	810118	50.0	34.5	
38 4-Chloroaniline	127	5.835	5.840	-0.005	97	158677	50.0	16.9	
39 Hexachlorobutadiene	225	5.911	5.917	-0.006	94	135493	50.0	35.1	
40 Caprolactam	113	6.176	6.164	0.012	88	80299	100.0	45.8	
41 4-Chloro-3-methylphenol	107	6.329	6.323	0.006	97	184965	50.0	29.9	
42 2-Methylnaphthalene	142	6.476	6.482	-0.006	85	500568	50.0	32.2	
43 1-Methylnaphthalene	142	6.576	6.576	0.000	95	463756	50.0	34.5	
44 Hexachlorocyclopentadiene	237	6.640	6.646	-0.006	96	121695	50.0	44.1	
45 1,2,4,5-Tetrachlorobenzene	216	6.646	6.652	-0.006	96	202601	50.0	38.6	
46 2-tertbutyl-4-methylphenol	149	6.676	6.681	-0.005	91	324276	50.0	32.0	
48 2,4,6-Trichlorophenol	196	6.758	6.764	-0.006	87	102845	50.0	29.2	
56 1-Naphthylamine	143	6.840	6.769	0.071	43	979		NC	
49 2,4,5-Trichlorophenol	196	6.799	6.793	0.006	96	98121	50.0	26.7	
\$ 50 2-Fluorobiphenyl	172	6.840	6.846	-0.006	98	511576	50.0	36.5	
51 1,1'-Biphenyl	154	6.940	6.946	-0.006	95	575257	50.0	37.3	
52 2-Chloronaphthalene	162	6.958	6.964	-0.006	98	427653	50.0	37.5	
53 Phenyl ether	170	7.046	7.046	0.000	89	300997	50.0	38.1	
54 2-Nitroaniline	65	7.058	7.064	-0.006	98	153872	50.0	35.8	
55 1,3-Dimethylnaphthalene	156	7.176	7.181	-0.005	91	374448	50.0	39.1	
58 Dimethyl phthalate	163	7.246	7.246	0.000	99	425922	50.0	35.7	
59 Coumarin	146	7.264	7.270	-0.006	79	146059	50.0	32.0	
60 2,6-Dinitrotoluene	165	7.299	7.305	-0.006	94	99636	50.0	36.0	
61 Acenaphthylene	152	7.376	7.376	0.000	97	657011	50.0	37.3	
62 3-Nitroaniline	138	7.464	7.470	-0.006	93	86834	50.0	28.6	
* 63 Acenaphthene-d10	164	7.517	7.511	0.006	93	392983	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.534	7.534	0.000	98	304948	50.0	32.5	
65 Acenaphthene	154	7.546	7.552	-0.006	95	388436	50.0	31.6	
66 2,4-Dinitrophenol	184	7.570	7.570	0.000	78	3483	100.0	5.72	
67 4-Nitrophenol	65	7.634	7.640	-0.006	92	108732	100.0	50.5	
68 2,4-Dinitrotoluene	165	7.699	7.705	-0.006	96	122384	50.0	36.1	
69 Dibenzofuran	168	7.717	7.723	-0.006	96	558388	50.0	35.2	
70 2,3,4,6-Tetrachlorophenol	232	7.840	7.840	0.000	95	58124	50.0	20.8	
71 Diethyl phthalate	149	7.940	7.946	-0.006	98	410586	50.0	34.7	
73 4-Chlorophenyl phenyl ethe	204	8.052	8.058	-0.006	83	188207	50.0	34.6	
74 Fluorene	166	8.052	8.058	-0.006	96	434119	50.0	34.3	
75 4-Nitroaniline	138	8.070	8.076	-0.006	92	89207	50.0	31.0	
76 4,6-Dinitro-2-methylphenol	198	8.099	8.105	-0.006	82	33374	100.0	20.5	
77 N-Nitrosodiphenylamine	169	8.170	8.176	-0.006	67	293347	50.0	38.7	
57 2-Naphthylamine	143	8.287	8.192	0.095	59	17211		NC	
78 1,2-Diphenylhydrazine	77	8.205	8.217	-0.012	99	446854	50.0	40.4	
\$ 79 2,4,6-Tribromophenol	330	8.293	8.299	-0.006	94	41585	50.0	25.5	
80 4-Bromophenyl phenyl ether	248	8.534	8.540	-0.006	86	107133	50.0	39.6	
81 Hexachlorobenzene	284	8.605	8.611	-0.006	99	106313	50.0	38.4	
82 Atrazine	200	8.693	8.693	0.000	88	189933	100.0	77.4	
83 Pentachlorophenol	266	8.793	8.799	-0.006	92	35723	100.0	21.2	
84 Pentachloronitrobenzene	237	8.811	8.817	-0.006	86	43191	50.0	38.6	
72 n-Octadecane	57	8.870	8.875	-0.005	93	367372	50.0	37.2	
* 85 Phenanthrene-d10	188	8.976	8.982	-0.006	99	498758	40.0	40.0	
86 Phenanthrene	178	8.999	9.005	-0.006	98	541100	50.0	37.5	
87 Anthracene	178	9.052	9.058	-0.006	98	554677	50.0	38.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Carbazole	167	9.205	9.211	-0.006	96	459308	50.0	36.4	
89 Di-n-butyl phthalate	149	9.546	9.552	-0.006	100	579098	50.0	36.5	
90 Fluoranthene	202	10.170	10.175	-0.005	97	484712	50.0	36.8	
91 Benzdine	184	10.299	10.305	-0.006	99	17899	50.0	3.27	
92 Pyrene	202	10.399	10.405	-0.006	97	483135	50.0	40.2	
93 Bisphenol-A	213	10.440	10.446	-0.006	99	58993	25.0	12.2	
\$ 94 Terphenyl-d14	244	10.558	10.564	-0.006	99	312546	50.0	38.1	
95 Butyl benzyl phthalate	149	11.093	11.099	-0.006	97	208603	50.0	38.6	
97 Carbamazepine	193	11.222	11.234	-0.012	93	95979	50.0	24.0	
98 3,3'-Dichlorobenzidine	252	11.734	11.740	-0.006	99	96440	50.0	29.3	
99 Benzo[a]anthracene	228	11.769	11.775	-0.006	99	374106	50.0	37.5	
* 100 Chrysene-d12	240	11.781	11.781	0.000	99	328024	40.0	40.0	
102 Bis(2-ethylhexyl) phthalat	149	11.805	11.811	-0.006	89	286576	50.0	37.9	
101 Chrysene	228	11.817	11.822	-0.005	98	355799	50.0	39.5	
103 Di-n-octyl phthalate	149	12.675	12.687	-0.012	97	451724	50.0	38.7	
104 Benzo[b]fluoranthene	252	13.205	13.216	-0.011	98	315917	50.0	39.3	
105 Benzo[k]fluoranthene	252	13.246	13.252	-0.006	99	335779	50.0	40.0	
106 Benzo[a]pyrene	252	13.658	13.669	-0.011	96	304110	50.0	40.2	
* 107 Perylene-d12	264	13.740	13.740	0.000	96	276353	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	15.205	15.222	-0.017	98	334754	50.0	49.2	
109 Dibenz(a,h)anthracene	278	15.234	15.252	-0.018	94	272530	50.0	41.8	
110 Benzo[g,h,i]perylene	276	15.581	15.593	-0.012	94	284436	50.0	39.2	
S 117 Total Cresols	1				0			60.6	
123 4,4'-DDD	235	7.840	7.775	0.065	54	2106		NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

SM_ISTD_00106

Amount Added: 20.00

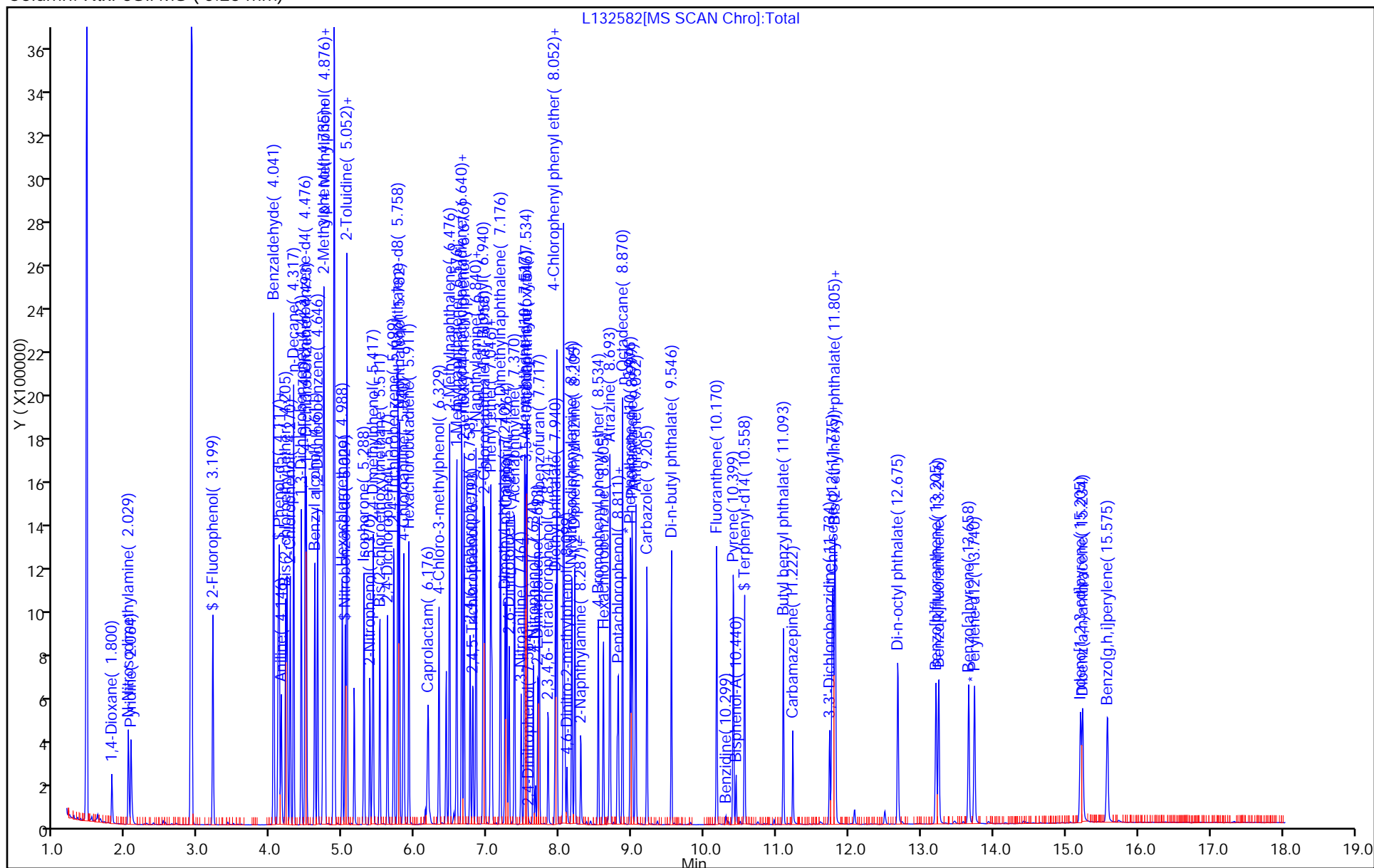
Units: uL

Run Reagent

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS12\\20160413-39783.b\\L132582.D		
Injection Date:	13-Apr-2016 11:18:30	Instrument ID:	CBNAMS12
Lims ID:	460-111850-A-3-E MSD		
Client ID:	B4		
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_12R_9	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)		

Operator ID:
Worklist Smp#: 14

ALS Bottle#: 14



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-111954-1

SDG No.: _____

Instrument ID: CBNAMS12Start Date: 04/11/2016 10:12Analysis Batch Number: 361776End Date: 04/11/2016 18:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-361776/1		04/11/2016 10:12	1	L132490.D	Rtxi-5Sil MS 0.25 (mm)
ICIS 460-361776/2		04/11/2016 10:45	1	L132491.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-361776/3 IC		04/11/2016 11:11	1	L132492.D	Rtxi-5Sil MS 0.25 (mm)
STD80 460-361776/4 IC		04/11/2016 11:37	1	L132493.D	Rtxi-5Sil MS 0.25 (mm)
STD20 460-361776/5 IC		04/11/2016 12:03	1	L132494.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-361776/6 IC		04/11/2016 12:29	1	L132495.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-361776/7 IC		04/11/2016 12:54	1	L132496.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-361776/8 IC		04/11/2016 13:20	1	L132497.D	Rtxi-5Sil MS 0.25 (mm)
STD1 460-361776/9 IC		04/11/2016 13:46	1	L132498.D	Rtxi-5Sil MS 0.25 (mm)
STD05 460-361776/10 IC		04/11/2016 14:12	1	L132499.D	Rtxi-5Sil MS 0.25 (mm)
STD50 460-361776/11 IC		04/11/2016 14:39	1	L132500.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-361776/12 IC		04/11/2016 15:05	1	L132501.D	Rtxi-5Sil MS 0.25 (mm)
STD080 460-361776/13 IC		04/11/2016 15:31	1	L132502.D	Rtxi-5Sil MS 0.25 (mm)
STD020 460-361776/14 IC		04/11/2016 15:57	1	L132503.D	Rtxi-5Sil MS 0.25 (mm)
STD010 460-361776/15 IC		04/11/2016 16:24	1	L132504.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-361776/16 IC		04/11/2016 16:50	1	L132505.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-361776/17 IC		04/11/2016 17:16	1	L132506.D	Rtxi-5Sil MS 0.25 (mm)
ICV 460-361776/18		04/11/2016 17:42	1	L132507.D	Rtxi-5Sil MS 0.25 (mm)
ICV 460-361776/19		04/11/2016 18:51	1	L132508A.D	Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: CBNAMS12 Start Date: 04/13/2016 04:06Analysis Batch Number: 362222 End Date: 04/13/2016 15:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-362222/1		04/13/2016 04:06	1	L132569.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-362222/2		04/13/2016 04:42	1	L132570.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-362222/3		04/13/2016 06:27	1	L132571b.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 07:25	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 07:51	1		Rtxi-5Sil MS 0.25 (mm)
MB 460-361911/1-A		04/13/2016 08:17	1	L132575.D	Rtxi-5Sil MS 0.25 (mm)
LCS 460-361911/2-A		04/13/2016 08:42	1	L132576.D	Rtxi-5Sil MS 0.25 (mm)
LCS 460-361911/3-A		04/13/2016 09:08	1	L132577.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 09:34	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 10:00	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 10:26	1		Rtxi-5Sil MS 0.25 (mm)
460-111850-A-3-D MS		04/13/2016 10:52	1	L132581.D	Rtxi-5Sil MS 0.25 (mm)
460-111850-A-3-E MSD		04/13/2016 11:18	1	L132582.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 11:44	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 12:10	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 12:36	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 13:03	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 13:46	10		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 15:30	200		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 15:56	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-111954-1

SDG No.: _____

Instrument ID: CBNAMS5Start Date: 04/11/2016 13:27Analysis Batch Number: 361914End Date: 04/11/2016 22:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-361914/1		04/11/2016 13:27	1	x12691.D	Rtxi-5Sil MS 0.25 (mm)
ICIS 460-361914/2		04/11/2016 13:47	1	x12692.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-361914/3 IC		04/11/2016 14:11	1	x12693.D	Rtxi-5Sil MS 0.25 (mm)
STD80 460-361914/4 IC		04/11/2016 14:35	1	x12694.D	Rtxi-5Sil MS 0.25 (mm)
STD20 460-361914/5 IC		04/11/2016 15:00	1	x12695.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-361914/6 IC		04/11/2016 15:24	1	x12696.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-361914/7 IC		04/11/2016 15:48	1	x12697.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-361914/8 IC		04/11/2016 16:13	1	x12698.D	Rtxi-5Sil MS 0.25 (mm)
STD1 460-361914/9 IC		04/11/2016 16:37	1	x12699.D	Rtxi-5Sil MS 0.25 (mm)
STD05 460-361914/10 IC		04/11/2016 17:01	1	x12700.D	Rtxi-5Sil MS 0.25 (mm)
STD50 460-361914/11 IC		04/11/2016 17:25	1	x12701.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-361914/12 IC		04/11/2016 17:49	1	x12702.D	Rtxi-5Sil MS 0.25 (mm)
STD80 460-361914/13 IC		04/11/2016 18:14	1	x12703.D	Rtxi-5Sil MS 0.25 (mm)
STD20 460-361914/14 IC		04/11/2016 18:38	1	x12704.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-361914/15 IC		04/11/2016 19:03	1	x12705.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-361914/16 IC		04/11/2016 19:27	1	x12706.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-361914/17 IC		04/11/2016 19:51	1	x12707.D	Rtxi-5Sil MS 0.25 (mm)
ICV 460-361914/18		04/11/2016 20:16	1		Rtxi-5Sil MS 0.25 (mm)
ICV 460-361914/19		04/11/2016 22:26	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-111954-1

SDG No.: _____

Instrument ID: CBNAMS5Start Date: 04/13/2016 06:49Analysis Batch Number: 362226End Date: 04/13/2016 17:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-362226/1		04/13/2016 06:49	1	x12778.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-362226/2		04/13/2016 07:04	1	x12779.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-362226/3		04/13/2016 07:29	1	x12780.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 08:44	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 09:32	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 09:56	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 10:20	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 10:45	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 11:09	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 11:34	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 11:58	10		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 12:23	10		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 12:47	20		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 13:11	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 13:36	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 14:01	2		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 14:25	10		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 14:49	25		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 15:37	50		Rtxi-5Sil MS 0.25 (mm)
460-111954-1		04/13/2016 16:01	2	x12801.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 16:50	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		04/13/2016 17:14	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Batch Number: 361911 Batch Start Date: 04/11/16 13:01 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 460-361911/1		3546, 8270D		15.0000 g	1 mL			500 uL	
LCS 460-361911/2		3546, 8270D		15.0000 g	1 mL		500 uL	500 uL	
LCS 460-361911/3		3546, 8270D		15.0000 g	1 mL	50 uL		500 uL	
460-111850-A-3 MS		3546, 8270D	T	15.0247 g	1 mL	50 uL	500 uL	500 uL	
460-111850-A-3 MSD		3546, 8270D	T	15.0255 g	1 mL	50 uL	500 uL	500 uL	
460-111954-D-1	DRY_WELL	3546, 8270D	T	15.0254 g	1 mL			500 uL	

Batch Notes	
Balance ID	28
Batch Comment	BNA SOIL 8270D
Final Concentrator Volume	1 mL
MeCL2 ID	135255
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.

8270D

Page 1 of 1

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-111954-1

SDG No.: _____

Project: DEC Elmont546; Site: E130150

Client Sample ID
DRY_WELL

Lab Sample ID
460-111954-1

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DRY_WELL

Lab Sample ID: 460-111954-1

Lab Name: TestAmerica Edison

Job No.: 460-111954-1

SDG ID.:

Matrix: Solid

Date Sampled: 04/11/2016 11:50

Reporting Basis: DRY

Date Received: 04/11/2016 16:40

% Solids: 90.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5370	38.7	19.9	mg/Kg			4	6010C
7440-36-0	Antimony	3.9	3.9	1.5	mg/Kg	U		4	6010C
7440-38-2	Arsenic	5.3	2.9	0.95	mg/Kg			4	6010C
7440-39-3	Barium	149	38.7	1.4	mg/Kg			4	6010C
7440-41-7	Beryllium	0.39	0.39	0.33	mg/Kg	U		4	6010C
7440-43-9	Cadmium	0.69	0.77	0.40	mg/Kg	J		4	6010C
7440-70-2	Calcium	6670	967	57.2	mg/Kg			4	6010C
7440-47-3	Chromium	14.9	1.9	0.93	mg/Kg			4	6010C
7440-48-4	Cobalt	3.6	9.7	1.1	mg/Kg	J		4	6010C
7440-50-8	Copper	46.9	4.8	1.3	mg/Kg			4	6010C
7439-89-6	Iron	10900	29.0	21.8	mg/Kg			4	6010C
7439-92-1	Lead	491	1.9	0.76	mg/Kg			4	6010C
7439-95-4	Magnesium	2170	967	48.2	mg/Kg			4	6010C
7439-96-5	Manganese	186	2.9	1.0	mg/Kg			4	6010C
7440-02-0	Nickel	12.9	7.7	1.4	mg/Kg			4	6010C
7440-09-7	Potassium	341	967	29.3	mg/Kg	J		4	6010C
7782-49-2	Selenium	3.9	3.9	1.3	mg/Kg	U		4	6010C
7440-22-4	Silver	1.9	1.9	0.34	mg/Kg	U		4	6010C
7440-23-5	Sodium	967	967	65.4	mg/Kg	U		4	6010C
7440-28-0	Thallium	3.9	3.9	1.7	mg/Kg	U		4	6010C
7440-62-2	Vanadium	18.7	9.7	0.97	mg/Kg			4	6010C
7440-66-6	Zinc	295	5.8	1.4	mg/Kg			4	6010C

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison

Job No.: 460-111954-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00152

Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00152

Analyte	ICV 460-362155/7 04/12/2016 11:29				CCV 460-362155/33 04/12/2016 13:13				CCV 460-362155/46 04/12/2016 14:14			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	127400		125000	102	128900		125000	103	127000		125000	102
Antimony	1006		1000	101	986.8		1000	99	973.1		1000	97
Arsenic	2534		2500	101	2447		2500	98	2403		2500	96
Barium	10240		10000	102	9935		10000	99	9814		10000	98
Beryllium	1018		1000	102	1020		1000	102	1002		1000	100
Cadmium	1279		1250	102	1250		1250	100	1229		1250	98
Calcium	127400		125000	102	124700		125000	100	122200		125000	98
Chromium	5064		5000	101	4925		5000	99	4825		5000	97
Cobalt	2553		2500	102	2510		2500	100	2472		2500	99
Copper	12680		12500	101	12410		12500	99	12310		12500	98
Iron	102500		100000	103	103100		100000	103	101100		100000	101
Lead	7611		7500	101	7301		7500	97	7186		7500	96
Magnesium	126900		125000	102	122700		125000	98	120700		125000	97
Manganese	5166		5000	103	5082		5000	102	4996		5000	100
Nickel	2555		2500	102	2475		2500	99	2436		2500	97
Potassium	50290		50000	101	50060		50000	100	49300		50000	99
Selenium	2533		2500	101	2447		2500	98	2400		2500	96
Silver	1257		1250	101	1252		1250	100	1234		1250	99
Sodium	127000		125000	102	123200		125000	99	122000		125000	98
Thallium	2607		2500	104	2554		2500	102	2516		2500	101
Vanadium	2558		2500	102	2515		2500	101	2479		2500	99
Zinc	2571		2500	103	2559		2500	102	2504		2500	100

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00152 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00152

Analyte	CCV 460-362155/59 04/12/2016 15:06											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	126300		125000	101								
Antimony	977.2		1000	98								
Arsenic	2427		2500	97								
Barium	9862		10000	99								
Beryllium	1002		1000	100								
Cadmium	1238		1250	99								
Calcium	122800		125000	98								
Chromium	4838		5000	97								
Cobalt	2482		2500	99								
Copper	12210		12500	98								
Iron	101100		100000	101								
Lead	7239		7500	97								
Magnesium	120700		125000	97								
Manganese	5003		5000	100								
Nickel	2451		2500	98								
Potassium	49230		50000	98								
Selenium	2419		2500	97								
Silver	1225		1250	98								
Sodium	121800		125000	97								
Thallium	2530		2500	101								
Vanadium	2478		2500	99								
Zinc	2529		2500	101								

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison

Job No.: 460-111954-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00009

Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00009

Analyte	ICVL 460-362155/9 04/12/2016 11:37				CCVL 460-362155/35 04/12/2016 13:21				CCVL 460-362155/48 04/12/2016 14:22			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	202.1		200	101	218.4		200	109	207.9		200	104
Antimony	20.72		20.0	104	19.51	J	20.0	98	19.74	J	20.0	99
Arsenic	14.81	J	15.0	99	15.44		15.0	103	15.51		15.0	103
Barium	210.4		200	105	203.2		200	102	201.9		200	101
Beryllium	2.01		2.00	101	1.97	J	2.00	98	1.90	J	2.00	95
Cadmium	4.17		4.00	104	4.21		4.00	105	4.09		4.00	102
Calcium	5147		5000	103	4959	J	5000	99	4919	J	5000	98
Chromium	10.94		10.0	109	9.58	J	10.0	96	9.97	J	10.0	100
Cobalt	53.11		50.0	106	52.08		50.0	104	51.61		50.0	103
Copper	24.84	J	25.0	99	24.54	J	25.0	98	24.54	J	25.0	98
Iron	144.7	J	150	96	153.1		150	102	152.0		150	101
Lead	11.67		10.0	117	9.42	J	10.0	94	9.59	J	10.0	96
Magnesium	5012		5000	100	4741	J	5000	95	4715	J	5000	94
Manganese	16.29		15.0	109	15.70		15.0	105	15.61		15.0	104
Nickel	43.30		40.0	108	41.80		40.0	105	41.30		40.0	103
Potassium	4863	J	5000	97	4870	J	5000	97	4846	J	5000	97
Selenium	19.58	J	20.0	98	19.16	J	20.0	96	17.40	J	20.0	87
Silver	9.72	J	10.0	97	9.63	J	10.0	96	9.50	J	10.0	95
Sodium	4995	J	5000	100	4849	J	5000	97	4827	J	5000	97
Thallium	22.58		20.0	113	22.59		20.0	113	22.03		20.0	110
Vanadium	51.64		50.0	103	50.78		50.0	102	50.16		50.0	100
Zinc	31.97		30.0	107	31.68		30.0	106	31.04		30.0	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.: 460-111954-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00009 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00009

Analyte	CCVL 460-362155/61 04/12/2016 15:14											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	220.4		200	110								
Antimony	19.90	J	20.0	100								
Arsenic	14.95	J	15.0	100								
Barium	204.6		200	102								
Beryllium	1.85	J	2.00	93								
Cadmium	4.13		4.00	103								
Calcium	4997	J	5000	100								
Chromium	10.07		10.0	101								
Cobalt	52.01		50.0	104								
Copper	23.94	J	25.0	96								
Iron	158.9		150	106								
Lead	9.54	J	10.0	95								
Magnesium	4795	J	5000	96								
Manganese	15.89		15.0	106								
Nickel	41.77		40.0	104								
Potassium	4868	J	5000	97								
Selenium	17.82	J	20.0	89								
Silver	10.25		10.0	103								
Sodium	4847	J	5000	97								
Thallium	20.74		20.0	104								
Vanadium	50.87		50.0	102								
Zinc	31.76		30.0	106								

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.: 460-111954-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00152 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00152

Analyte	ICV 460-362357/7 04/13/2016 11:58				CCV 460-362357/33 04/13/2016 13:42				CCV 460-362357/46 04/13/2016 14:45			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	124000		125000	99	123300		125000	99	120300		125000	96
Antimony	987.3		1000	99	1004		1000	100	981.9		1000	98
Arsenic	2471		2500	99	2533		2500	101	2492		2500	100
Barium	10090		10000	101	10360		10000	104	10180		10000	102
Beryllium	1003		1000	100	1001		1000	100	977.0		1000	98
Cadmium	1257		1250	101	1278		1250	102	1254		1250	100
Calcium	126000		125000	101	128300		125000	103	126000		125000	101
Chromium	5039		5000	101	5157		5000	103	5063		5000	101
Cobalt	2518		2500	101	2555		2500	102	2509		2500	100
Copper	12480		12500	100	12770		12500	102	12530		12500	100
Iron	101100		100000	101	100800		100000	101	98700		100000	99
Lead	7587		7500	101	7621		7500	102	7448		7500	99
Magnesium	125800		125000	101	125500		125000	100	123100		125000	98
Manganese	5105		5000	102	5185		5000	104	5091		5000	102
Nickel	2518		2500	101	2586		2500	103	2543		2500	102
Potassium	49550		50000	99	50040		50000	100	48980		50000	98
Selenium	2487		2500	99	2477		2500	99	2423		2500	97
Silver	1246		1250	100	1263		1250	101	1238		1250	99
Sodium	123300		125000	99	123300		125000	99	120300		125000	96
Thallium	2546		2500	102	2595		2500	104	2551		2500	102
Vanadium	2515		2500	101	2554		2500	102	2505		2500	100
Zinc	2535		2500	101	2539		2500	102	2483		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.: 460-111954-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00009 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00009

Analyte	ICVL 460-362357/9 04/13/2016 12:06				CCVL 460-362357/35 04/13/2016 13:50				CCVL 460-362357/48 04/13/2016 14:53			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	216.6		200	108	208.1		200	104	196.9	J	200	98
Antimony	19.78	J	20.0	99	19.94	J	20.0	100	20.30		20.0	102
Arsenic	13.32	J	15.0	89	14.50	J	15.0	97	12.14	J	15.0	81
Barium	206.8		200	103	214.7		200	107	211.9		200	106
Beryllium	2.00		2.00	100	2.03		2.00	102	1.99	J	2.00	100
Cadmium	4.04		4.00	101	4.10		4.00	102	4.00		4.00	100
Calcium	5079		5000	102	5225		5000	105	5139		5000	103
Chromium	9.98	J	10.0	100	10.54		10.0	105	10.25		10.0	103
Cobalt	52.80		50.0	106	53.73		50.0	107	52.88		50.0	106
Copper	24.47	J	25.0	98	25.06		25.0	100	24.36	J	25.0	97
Iron	158.9		150	106	156.8		150	105	164.1		150	109
Lead	10.73		10.0	107	11.82		10.0	118	10.72		10.0	107
Magnesium	4955	J	5000	99	4949	J	5000	99	4807	J	5000	96
Manganese	16.03		15.0	107	16.40		15.0	109	16.13		15.0	108
Nickel	42.80		40.0	107	44.29		40.0	111	43.25		40.0	108
Potassium	4888	J	5000	98	4904	J	5000	98	4818	J	5000	96
Selenium	20.28		20.0	101	19.37	J	20.0	97	15.09	J	20.0	75
Silver	9.80	J	10.0	98	10.46		10.0	105	9.69	J	10.0	97
Sodium	4969	J	5000	99	4875	J	5000	98	4716	J	5000	94
Thallium	21.88		20.0	109	19.21	J	20.0	96	21.53		20.0	108
Vanadium	50.54		50.0	101	52.21		50.0	104	51.05		50.0	102
Zinc	31.68		30.0	106	31.97		30.0	107	31.21		30.0	104

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.: 460-111954-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-362155/8 04/12/2016 11:32		CCB 460-362155/34 04/12/2016 13:17		CCB 460-362155/47 04/12/2016 14:18		CCB 460-362155/60 04/12/2016 15:10	
		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.: 460-111954-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-362357/8 04/13/2016 12:02		CCB 460-362357/34 04/13/2016 13:46		CCB 460-362357/47 04/13/2016 14:49			
		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.: 460-111954-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 460-362066/1-A ^2
 Instrument Code: ICP4 Batch No.: 362155

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.: 460-111954-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-362155/10 Instrument ID: ICP4
 Lab File ID: 362066.asc ICS Source: ME_ICSA_Duo_00068
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	493800	99
Antimony		-2.03	
Arsenic		-0.733	
Barium		-0.556	
Beryllium		-0.0503	
Cadmium		-0.151	
Calcium	500000	486100	97
Chromium		-1.72	
Cobalt		-3.51	
Copper		-4.40	
Iron	200000	191500	96
Lead		-3.06	
Magnesium	500000	489100	98
Manganese		3.18	
Nickel		-8.12	
Potassium		-95.4	
Selenium		-2.27	
Silver		-0.0396	
Sodium		-48.9	
Thallium		-0.543	
Vanadium		-15.5	
Zinc		-2.18	
<i>Boron</i>		<i>-8.00</i>	
<i>Molybdenum</i>		<i>-0.638</i>	
<i>Strontium</i>		<i>-1.55</i>	
<i>Tin</i>		<i>4.52</i>	
<i>Titanium</i>		<i>-2.03</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.: 460-111954-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-362155/11 Instrument ID: ICP4
 Lab File ID: 362066.asc ICS Source: ME_ICSAB_DUO_00084
 Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Aluminum	500000	527500	105
Antimony	100	101	101
Arsenic	100	99.7	100
Barium	100	103	103
Beryllium	100	101	101
Cadmium	100	99.1	99
Calcium	500000	518300	104
Chromium	100	98.2	98
Cobalt	100	96.6	97
Copper	100	105	105
Iron	200000	204300	102
Lead	100	87.9	88
Magnesium	500000	522600	104
Manganese	100	107	107
Nickel	100	91.1	91
Potassium	10000	10340	103
Selenium	100	95.3	95
Silver	100	107	107
Sodium	10000	10510	105
Thallium	100	98.4	98
Vanadium	100	86.9	87
Zinc	100	96.0	96
<i>Boron</i>	<i>100</i>	<i>94.1</i>	<i>94</i>
<i>Molybdenum</i>	<i>100</i>	<i>99.0</i>	<i>99</i>
<i>Strontium</i>	<i>100</i>	<i>102</i>	<i>102</i>
<i>Tin</i>	<i>100</i>	<i>102</i>	<i>102</i>
<i>Titanium</i>	<i>100</i>	<i>104</i>	<i>104</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.: 460-111954-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-362357/10 Instrument ID: ICP4
 Lab File ID: 361769.asc ICS Source: ME_ICSA_Duo_00068
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	495000	99
Antimony		4.36	
Arsenic		0.893	
Barium		-0.862	
Beryllium		-0.0730	
Cadmium		0.102	
Calcium	500000	491800	98
Chromium		-1.10	
Cobalt		-3.57	
Copper		-3.69	
Iron	200000	193100	97
Lead		3.42	
Magnesium	500000	498600	100
Manganese		3.32	
Nickel		-0.369	
Potassium		-39.2	
Selenium		0.303	
Silver		0.266	
Sodium		-24.2	
Thallium		0.798	
Vanadium		-22.1	
Zinc		-2.82	
<i>Boron</i>		<i>-7.42</i>	
<i>Molybdenum</i>		<i>-0.955</i>	
<i>Strontium</i>		<i>-1.65</i>	
<i>Tin</i>		<i>3.71</i>	
<i>Titanium</i>		<i>-1.25</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.: 460-111954-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-362357/11 Instrument ID: ICP4
 Lab File ID: 361769.asc ICS Source: ME_ICSAB_DUO_00084
 Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Aluminum	500000	526400	105
Antimony	100	103	103
Arsenic	100	98.9	99
Barium	100	104	104
Beryllium	100	101	101
Cadmium	100	99.7	100
Calcium	500000	520100	104
Chromium	100	102	102
Cobalt	100	96.8	97
Copper	100	106	106
Iron	200000	203400	102
Lead	100	97.2	97
Magnesium	500000	529000	106
Manganese	100	108	108
Nickel	100	98.7	99
Potassium	10000	10500	105
Selenium	100	101	101
Silver	100	109	109
Sodium	10000	10620	106
Thallium	100	96.6	97
Vanadium	100	80.1	80
Zinc	100	94.9	95
<i>Boron</i>	<i>100</i>	<i>94.4</i>	<i>94</i>
<i>Molybdenum</i>	<i>100</i>	<i>98.8</i>	<i>99</i>
<i>Strontium</i>	<i>100</i>	<i>102</i>	<i>102</i>
<i>Tin</i>	<i>100</i>	<i>102</i>	<i>102</i>
<i>Titanium</i>	<i>100</i>	<i>104</i>	<i>104</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: 460-111474-C-4-M MS

Lab Name: TestAmerica Edison

Job No.: 460-111954-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 39.3

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	21630	15400	493	1265	75-125	4	6010C
Antimony	58.92	9.5 U	123	48	75-125	N	6010C
Arsenic	444.9	13.3	493	87	75-125		6010C
Barium	526.1	56.8 J	493	95	75-125		6010C
Beryllium	12.96	1.0	12.3	97	75-125		6010C
Cadmium	11.26	1.9 U	12.3	91	75-125		6010C
Calcium	7348	2580	4930	97	75-125		6010C
Chromium	100.4	48.7	49.3	105	75-125		6010C
Cobalt	130.6	13.4 J	123	95	75-125		6010C
Copper	83.60	26.9	61.7	92	75-125		6010C
Iron	31830	30200	247	659	75-125	4	6010C
Lead	139.0	33.7	123	85	75-125		6010C
Magnesium	10730	5990	4930	96	75-125		6010C
Manganese	1045	945	123	81	75-125	4	6010C
Nickel	144.6	25.7	123	96	75-125		6010C
Potassium	7644	2830	4930	98	75-125		6010C
Selenium	434.7	9.5 U	493	88	75-125		6010C
Silver	11.78	4.8 U	12.3	96	75-125		6010C
Sodium	6479	2100 J	4930	89	75-125		6010C
Thallium	484.2	9.5 U	493	98	75-125		6010C
Vanadium	166.8	43.4	123	100	75-125		6010C
Zinc	284.2	171	123	91	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.

FORM VA - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____

Lab ID: 460-111474-C-4-K PDS

Lab Name: TestAmerica Edison

Job No.: 460-111954-1

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	16230	15400	950	NC	80-120		6010C
Antimony	221.6	9.5 U	238	93	80-120		6010C
Arsenic	878.8	13.3	950	91	80-120		6010C
Barium	967.2	56.8 J	950	96	80-120		6010C
Beryllium	24.46	1.0	23.8	99	80-120		6010C
Cadmium	22.64	1.9 U	23.8	95	80-120		6010C
Calcium	11440	2580	9500	93	80-120		6010C
Chromium	140.2	48.7	95.0	96	80-120		6010C
Cobalt	245.4	13.4 J	238	98	80-120		6010C
Copper	140.3	26.9	119	95	80-120		6010C
Iron	30260	30200	475	NC	80-120		6010C
Lead	247.0	33.7	238	90	80-120		6010C
Magnesium	14470	5990	9500	89	80-120		6010C
Manganese	1165	945	238	93	80-120		6010C
Nickel	258.1	25.7	238	98	80-120		6010C
Potassium	11140	2830	9500	87	80-120		6010C
Selenium	871.7	9.5 U	950	92	80-120		6010C
Silver	6.00	4.8 U	23.8	25	80-120	N	6010C
Sodium	10930	2100 J	9500	93	80-120		6010C
Thallium	957.7	9.5 U	950	101	80-120		6010C
Vanadium	275.7	43.4	238	98	80-120		6010C
Zinc	404.8	171	238	98	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: 460-111474-C-4-L DU _____

Lab Name: TestAmerica Edison _____

Job No.: 460-111954-1 _____

SDG No.: _____

% Solids for Sample: 39.3 _____

% Solids for Duplicate: 39.3 _____

Matrix: Solid _____

Concentration Units: mg/Kg _____

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Aluminum	93.3	15400	15120	2		6010C
Antimony	9.3	9.5 U	9.3 U	NC		6010C
Arsenic	7.0	13.3	12.83	3		6010C
Barium	93.3	56.8 J	56.19 J	1		6010C
Beryllium	0.93	1.0	0.941	6		6010C
Cadmium	1.9	1.9 U	1.9 U	NC		6010C
Calcium	2330	2580	2548	1		6010C
Chromium	4.7	48.7	48.68	0.1		6010C
Cobalt	23.3	13.4 J	13.36 J	0.6		6010C
Copper	11.7	26.9	26.72	0.8		6010C
Iron	69.9	30200	29790	1		6010C
Lead	4.7	33.7	34.02	1		6010C
Magnesium	2330	5990	5941	0.8		6010C
Manganese	7.0	945	933.6	1		6010C
Nickel	18.7	25.7	25.23	2		6010C
Potassium	2330	2830	2767	2		6010C
Selenium	9.3	9.5 U	9.3 U	NC		6010C
Silver	4.7	4.8 U	4.7 U	NC		6010C
Sodium	2330	2100 J	2072 J	1		6010C
Thallium	9.3	9.5 U	9.3 U	NC		6010C
Vanadium	23.3	43.4	42.93	1		6010C
Zinc	14.0	171	168.4	2		6010C

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

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-362066/2-A ^4

Lab Name: TestAmerica Edison

Job No.: 460-111954-1

Sample Matrix: Solid

LCS Source: ME_LCSS_91_00001

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	8080	6890		85.3	51.1	148.5		6010C
Antimony	123	81.83		66.5	1.0	200.0		6010C
Arsenic	145	137.2		94.6	79.3	121.4		6010C
Barium	209	222.9		106.6	83.3	117.2		6010C
Beryllium	97.3	95.19		97.8	82.6	117.2		6010C
Cadmium	87.6	88.81		101.4	82.6	117.6		6010C
Calcium	5690	5510		96.8	81.0	118.8		6010C
Chromium	143	144.9		101.3	79.7	119.6		6010C
Cobalt	154	161.3		104.7	83.8	115.6		6010C
Copper	173	169.8		98.2	81.5	117.9		6010C
Iron	15000	14540		96.9	46.8	154.0		6010C
Lead	146	152.2		104.2	81.5	118.5		6010C
Magnesium	2640	2363		89.5	76.5	123.5		6010C
Manganese	309	356.7		115.4	81.6	118.8		6010C
Nickel	129	138.3		107.2	82.9	117.1		6010C
Potassium	2400	2129		88.7	71.7	128.3		6010C
Selenium	178	170.3		95.7	78.7	121.3		6010C
Silver	31.3	29.15		93.1	75.1	124.9		6010C
Sodium	869	780.8	J	89.8	72.7	126.6		6010C
Thallium	141	152.0		107.8	79.4	121.3		6010C
Vanadium	115	113.0		98.2	77.6	122.6		6010C
Zinc	194	195.2		100.6	82.0	118.0		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: 460-111474-C-4-K SD

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-111954-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Aluminum	15400		15300		0.54		6010C
Antimony	9.5	U	47.5	U	NC		6010C
Arsenic	13.3		15.14	J	NC		6010C
Barium	56.8	J	55.41	J	NC		6010C
Beryllium	1.0		4.8	U	NC		6010C
Cadmium	1.9	U	9.5	U	NC		6010C
Calcium	2580		2568	J	NC		6010C
Chromium	48.7		47.31		NC		6010C
Cobalt	13.4	J	119	U	NC		6010C
Copper	26.9		26.15	J	NC		6010C
Iron	30200		30400		0.64		6010C
Lead	33.7		34.30		NC		6010C
Magnesium	5990		5950	J	NC		6010C
Manganese	945		942.0		0.30		6010C
Nickel	25.7		25.89	J	NC		6010C
Potassium	2830		2831	J	NC		6010C
Selenium	9.5	U	47.5	U	NC		6010C
Silver	4.8	U	23.8	U	NC		6010C
Sodium	2100	J	2090	J	NC		6010C
Thallium	9.5	U	47.5	U	NC		6010C
Vanadium	43.4		42.16	J	NC		6010C
Zinc	171		171.3		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: 460-111954-1
 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: 460-111954-1
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.: 460-111954-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-362066/1-A ^2	04/12/2016 07:42	362066	1.00		50
LCSSRM 460-362066/2-A ^4	04/12/2016 07:42	362066	1.04		50
460-111474-C-4-L DU	04/12/2016 07:42	362066	1.09		50
460-111474-C-4-M MS	04/12/2016 07:42	362066	1.03		50
460-111954-1	04/12/2016 07:42	362066	1.14		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/12/2016 11:05 End Date: 04/12/2016 22:01

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 460-362155/1	1		11:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:09																				
ZZZZZZ			11:13																				
ZZZZZZ			11:17																				
ZZZZZZ			11:21																				
ZZZZZZ			11:24																				
ICV 460-362155/7	1		11:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 460-362155/8	1		11:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICVL 460-362155/9	1		11:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 460-362155/10	1		11:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 460-362155/11	1		11:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:49																				
ZZZZZZ			11:53																				
ZZZZZZ			11:57																				
ZZZZZZ			12:01																				
ZZZZZZ			12:05																				
ZZZZZZ			12:09																				
ZZZZZZ			12:13																				
ZZZZZZ			12:17																				
CCV 460-362155/20			12:21																				
CCB 460-362155/21			12:25																				
CCVL 460-362155/22			12:29																				
ZZZZZZ			12:33																				
ZZZZZZ			12:37																				
ZZZZZZ			12:41																				
ZZZZZZ			12:45																				
ZZZZZZ			12:49																				
ZZZZZZ			12:53																				
ZZZZZZ			12:57																				
ZZZZZZ			13:01																				
ZZZZZZ			13:05																				
ZZZZZZ			13:09																				
CCV 460-362155/33	1		13:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-362155/34	1		13:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-362155/35	1		13:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:34																				
ZZZZZZ			13:38																				
ZZZZZZ			13:42																				
ZZZZZZ			13:46																				
ZZZZZZ			13:50																				
MB 460-362066/1-A ^2	2	T	13:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:58																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/12/2016 11:05 End Date: 04/12/2016 22:01

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
460-111474-C-4-L DU	4	T	14:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:06																				
460-111474-C-4-K SD	20	T	14:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 460-362155/46	1		14:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-362155/47	1		14:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-362155/48	1		14:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-111474-C-4-M MS	4	T	14:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-111474-C-4-K PDS	4	T	14:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:34																				
ZZZZZZ			14:38																				
ZZZZZZ			14:42																				
460-111954-1	4	T	14:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:50																				
ZZZZZZ			14:54																				
ZZZZZZ			14:58																				
ZZZZZZ			15:02																				
CCV 460-362155/59	1		15:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-362155/60	1		15:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-362155/61	1		15:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:23																				
ZZZZZZ			15:27																				
ZZZZZZ			15:31																				
ZZZZZZ			15:35																				
ZZZZZZ			15:40																				
ZZZZZZ			15:43																				
ZZZZZZ			15:47																				
ZZZZZZ			15:51																				
ZZZZZZ			15:55																				
ZZZZZZ			16:00																				
CCV 460-362155/72			16:04																				
CCB 460-362155/73			16:08																				
CCVL 460-362155/74			16:12																				
ZZZZZZ			16:16																				
ZZZZZZ			16:20																				
ZZZZZZ			16:24																				
ZZZZZZ			16:28																				
ZZZZZZ			16:32																				
ZZZZZZ			16:36																				
ZZZZZZ			16:40																				
ZZZZZZ			16:45																				
ZZZZZZ			16:49																				
ZZZZZZ			16:53																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/12/2016 11:05 End Date: 04/12/2016 22:01

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 460-362155/85			16:57																				
CCB 460-362155/86			17:01																				
CCVL 460-362155/87			17:05																				
ZZZZZZ			17:15																				
ZZZZZZ			17:19																				
ZZZZZZ			17:23																				
ZZZZZZ			17:27																				
ZZZZZZ			17:31																				
ZZZZZZ			17:35																				
ZZZZZZ			17:39																				
ZZZZZZ			17:43																				
ZZZZZZ			17:47																				
ZZZZZZ			17:51																				
CCV 460-362155/98			17:55																				
CCB 460-362155/99			17:59																				
CCVL 460-362155/100			18:03																				
ZZZZZZ			18:07																				
ZZZZZZ			18:11																				
ZZZZZZ			18:15																				
ZZZZZZ			18:19																				
ZZZZZZ			18:24																				
ZZZZZZ			18:28																				
ZZZZZZ			18:32																				
ZZZZZZ			18:36																				
ZZZZZZ			18:40																				
ZZZZZZ			18:44																				
CCV 460-362155/111			18:48																				
CCB 460-362155/112			18:52																				
CCVL 460-362155/113			18:56																				
ZZZZZZ			19:00																				
ZZZZZZ			19:04																				
ZZZZZZ			19:08																				
ZZZZZZ			19:13																				
ZZZZZZ			19:17																				
ZZZZZZ			19:21																				
ZZZZZZ			19:25																				
ZZZZZZ			19:29																				
ZZZZZZ			19:33																				
ZZZZZZ			19:38																				
CCV 460-362155/124			19:42																				
CCB 460-362155/125			19:46																				
CCVL 460-362155/126			19:50																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/12/2016 11:05 End Date: 04/12/2016 22:01

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			19:54																				
ZZZZZZZ			19:58																				
ZZZZZZZ			20:02																				
ZZZZZZZ			20:07																				
ZZZZZZZ			20:10																				
ZZZZZZZ			20:15																				
ZZZZZZZ			20:19																				
ZZZZZZZ			20:23																				
ZZZZZZZ			20:28																				
ZZZZZZZ			20:32																				
CCV 460-362155/137			20:36																				
CCB 460-362155/138			20:40																				
CCVL 460-362155/139			20:44																				
ZZZZZZZ			20:49																				
ZZZZZZZ			20:53																				
ZZZZZZZ			20:57																				
ZZZZZZZ			21:02																				
ZZZZZZZ			21:06																				
ZZZZZZZ			21:10																				
ZZZZZZZ			21:14																				
ZZZZZZZ			21:19																				
ZZZZZZZ			21:23																				
ZZZZZZZ			21:27																				
CCV 460-362155/150			21:31																				
CCB 460-362155/151			21:36																				
CCVL 460-362155/152			21:40																				
ZZZZZZZ			21:44																				
ZZZZZZZ			21:48																				
CCV 460-362155/155			21:53																				
CCB 460-362155/156			21:57																				
CCVL 460-362155/157			22:01																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/12/2016 11:05 End Date: 04/12/2016 22:01

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ICIS 460-362155/1	1		11:05	X	X																
ZZZZZZ			11:09																		
ZZZZZZ			11:13																		
ZZZZZZ			11:17																		
ZZZZZZ			11:21																		
ZZZZZZ			11:24																		
ICV 460-362155/7	1		11:29	X	X																
ICB 460-362155/8	1		11:32	X	X																
ICVL 460-362155/9	1		11:37	X	X																
ICSA 460-362155/10	1		11:41	X	X																
ICSAB 460-362155/11	1		11:45	X	X																
ZZZZZZ			11:49																		
ZZZZZZ			11:53																		
ZZZZZZ			11:57																		
ZZZZZZ			12:01																		
ZZZZZZ			12:05																		
ZZZZZZ			12:09																		
ZZZZZZ			12:13																		
ZZZZZZ			12:17																		
CCV 460-362155/20			12:21																		
CCB 460-362155/21			12:25																		
CCVL 460-362155/22			12:29																		
ZZZZZZ			12:33																		
ZZZZZZ			12:37																		
ZZZZZZ			12:41																		
ZZZZZZ			12:45																		
ZZZZZZ			12:49																		
ZZZZZZ			12:53																		
ZZZZZZ			12:57																		
ZZZZZZ			13:01																		
ZZZZZZ			13:05																		
ZZZZZZ			13:09																		
CCV 460-362155/33	1		13:13	X	X																
CCB 460-362155/34	1		13:17	X	X																
CCVL 460-362155/35	1		13:21	X	X																
ZZZZZZ			13:34																		
ZZZZZZ			13:38																		
ZZZZZZ			13:42																		
ZZZZZZ			13:46																		
ZZZZZZ			13:50																		
MB 460-362066/1-A ^2	2	T	13:54	X	X																
ZZZZZZ			13:58																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/12/2016 11:05 End Date: 04/12/2016 22:01

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
460-111474-C-4-L DU	4	T	14:02	X	X																
ZZZZZZ			14:06																		
460-111474-C-4-K SD	20	T	14:10	X	X																
CCV 460-362155/46	1		14:14	X	X																
CCB 460-362155/47	1		14:18	X	X																
CCVL 460-362155/48	1		14:22	X	X																
460-111474-C-4-M MS	4	T	14:26	X	X																
460-111474-C-4-K PDS	4	T	14:30	X	X																
ZZZZZZ			14:34																		
ZZZZZZ			14:38																		
ZZZZZZ			14:42																		
460-111954-1	4	T	14:46	X	X																
ZZZZZZ			14:50																		
ZZZZZZ			14:54																		
ZZZZZZ			14:58																		
ZZZZZZ			15:02																		
CCV 460-362155/59	1		15:06	X	X																
CCB 460-362155/60	1		15:10	X	X																
CCVL 460-362155/61	1		15:14	X	X																
ZZZZZZ			15:23																		
ZZZZZZ			15:27																		
ZZZZZZ			15:31																		
ZZZZZZ			15:35																		
ZZZZZZ			15:40																		
ZZZZZZ			15:43																		
ZZZZZZ			15:47																		
ZZZZZZ			15:51																		
ZZZZZZ			15:55																		
ZZZZZZ			16:00																		
CCV 460-362155/72			16:04																		
CCB 460-362155/73			16:08																		
CCVL 460-362155/74			16:12																		
ZZZZZZ			16:16																		
ZZZZZZ			16:20																		
ZZZZZZ			16:24																		
ZZZZZZ			16:28																		
ZZZZZZ			16:32																		
ZZZZZZ			16:36																		
ZZZZZZ			16:40																		
ZZZZZZ			16:45																		
ZZZZZZ			16:49																		
ZZZZZZ			16:53																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/12/2016 11:05 End Date: 04/12/2016 22:01

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCV 460-362155/85			16:57																		
CCB 460-362155/86			17:01																		
CCVL 460-362155/87			17:05																		
ZZZZZZ			17:15																		
ZZZZZZ			17:19																		
ZZZZZZ			17:23																		
ZZZZZZ			17:27																		
ZZZZZZ			17:31																		
ZZZZZZ			17:35																		
ZZZZZZ			17:39																		
ZZZZZZ			17:43																		
ZZZZZZ			17:47																		
ZZZZZZ			17:51																		
CCV 460-362155/98			17:55																		
CCB 460-362155/99			17:59																		
CCVL 460-362155/100			18:03																		
ZZZZZZ			18:07																		
ZZZZZZ			18:11																		
ZZZZZZ			18:15																		
ZZZZZZ			18:19																		
ZZZZZZ			18:24																		
ZZZZZZ			18:28																		
ZZZZZZ			18:32																		
ZZZZZZ			18:36																		
ZZZZZZ			18:40																		
ZZZZZZ			18:44																		
CCV 460-362155/111			18:48																		
CCB 460-362155/112			18:52																		
CCVL 460-362155/113			18:56																		
ZZZZZZ			19:00																		
ZZZZZZ			19:04																		
ZZZZZZ			19:08																		
ZZZZZZ			19:13																		
ZZZZZZ			19:17																		
ZZZZZZ			19:21																		
ZZZZZZ			19:25																		
ZZZZZZ			19:29																		
ZZZZZZ			19:33																		
ZZZZZZ			19:38																		
CCV 460-362155/124			19:42																		
CCB 460-362155/125			19:46																		
CCVL 460-362155/126			19:50																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/12/2016 11:05 End Date: 04/12/2016 22:01

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			19:54																		
ZZZZZZ			19:58																		
ZZZZZZ			20:02																		
ZZZZZZ			20:07																		
ZZZZZZ			20:10																		
ZZZZZZ			20:15																		
ZZZZZZ			20:19																		
ZZZZZZ			20:23																		
ZZZZZZ			20:28																		
ZZZZZZ			20:32																		
CCV 460-362155/137			20:36																		
CCB 460-362155/138			20:40																		
CCVL 460-362155/139			20:44																		
ZZZZZZ			20:49																		
ZZZZZZ			20:53																		
ZZZZZZ			20:57																		
ZZZZZZ			21:02																		
ZZZZZZ			21:06																		
ZZZZZZ			21:10																		
ZZZZZZ			21:14																		
ZZZZZZ			21:19																		
ZZZZZZ			21:23																		
ZZZZZZ			21:27																		
CCV 460-362155/150			21:31																		
CCB 460-362155/151			21:36																		
CCVL 460-362155/152			21:40																		
ZZZZZZ			21:44																		
ZZZZZZ			21:48																		
CCV 460-362155/155			21:53																		
CCB 460-362155/156			21:57																		
CCVL 460-362155/157			22:01																		

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/13/2016 11:34 End Date: 04/14/2016 02:21

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 460-362357/1	1		11:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			11:38																				
ZZZZZZ			11:43																				
ZZZZZZ			11:47																				
ZZZZZZ			11:50																				
ZZZZZZ			11:54																				
ICV 460-362357/7	1		11:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 460-362357/8	1		12:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICVL 460-362357/9	1		12:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 460-362357/10	1		12:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 460-362357/11	1		12:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			12:18																				
ZZZZZZ			12:22																				
ZZZZZZ			12:26																				
ZZZZZZ			12:30																				
ZZZZZZ			12:34																				
ZZZZZZ			12:38																				
ZZZZZZ			12:42																				
ZZZZZZ			12:46																				
CCV 460-362357/20			12:50																				
CCB 460-362357/21			12:53																				
CCVL 460-362357/22			12:58																				
ZZZZZZ			13:02																				
ZZZZZZ			13:06																				
ZZZZZZ			13:09																				
ZZZZZZ			13:13																				
ZZZZZZ			13:17																				
ZZZZZZ			13:22																				
ZZZZZZ			13:26																				
ZZZZZZ			13:30																				
ZZZZZZ			13:34																				
ZZZZZZ			13:38																				
CCV 460-362357/33	1		13:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-362357/34	1		13:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCVL 460-362357/35	1		13:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCSSRM 460-362066/2-A ^4	4	T	14:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			14:09																				
ZZZZZZ			14:13																				
ZZZZZZ			14:17																				
ZZZZZZ			14:21																				
ZZZZZZ			14:25																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/13/2016 11:34 End Date: 04/14/2016 02:21

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			14:30																				
ZZZZZZZ			14:33																				
ZZZZZZZ			14:37																				
ZZZZZZZ			14:41																				
CCV 460-362357/46	1		14:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-362357/47	1		14:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-362357/48	1		14:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZZ			14:57																				
ZZZZZZZ			15:01																				
ZZZZZZZ			15:05																				
ZZZZZZZ			15:09																				
ZZZZZZZ			15:13																				
ZZZZZZZ			15:17																				
ZZZZZZZ			15:21																				
ZZZZZZZ			15:25																				
ZZZZZZZ			15:29																				
ZZZZZZZ			15:33																				
CCV 460-362357/59			15:37																				
CCB 460-362357/60			15:40																				
CCVL 460-362357/61			15:45																				
ZZZZZZZ			15:58																				
ZZZZZZZ			16:02																				
ZZZZZZZ			16:06																				
ZZZZZZZ			16:10																				
ZZZZZZZ			16:14																				
ZZZZZZZ			16:18																				
ZZZZZZZ			16:22																				
ZZZZZZZ			16:26																				
ZZZZZZZ			16:30																				
ZZZZZZZ			16:34																				
CCV 460-362357/72			16:38																				
CCB 460-362357/73			16:42																				
CCVL 460-362357/74			16:46																				
ZZZZZZZ			16:50																				
ZZZZZZZ			16:54																				
ZZZZZZZ			16:58																				
ZZZZZZZ			17:02																				
ZZZZZZZ			17:06																				
ZZZZZZZ			17:11																				
ZZZZZZZ			17:14																				
ZZZZZZZ			17:18																				
ZZZZZZZ			17:23																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/13/2016 11:34 End Date: 04/14/2016 02:21

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			17:27																			
CCV 460-362357/85			17:31																			
CCB 460-362357/86			17:35																			
CCVL 460-362357/87			17:39																			
ZZZZZZ			17:43																			
ZZZZZZ			17:47																			
ZZZZZZ			17:51																			
ZZZZZZ			17:55																			
ZZZZZZ			17:59																			
ZZZZZZ			18:03																			
ZZZZZZ			18:08																			
ZZZZZZ			18:12																			
ZZZZZZ			18:16																			
ZZZZZZ			18:20																			
CCV 460-362357/98			18:24																			
CCB 460-362357/99			18:28																			
CCVL 460-362357/100			18:32																			
ZZZZZZ			18:36																			
ZZZZZZ			18:40																			
ZZZZZZ			18:45																			
ZZZZZZ			18:48																			
ZZZZZZ			18:52																			
ZZZZZZ			18:56																			
ZZZZZZ			19:01																			
ZZZZZZ			19:05																			
ZZZZZZ			19:08																			
ZZZZZZ			19:12																			
CCV 460-362357/111			19:16																			
CCB 460-362357/112			19:20																			
CCVL 460-362357/113			19:24																			
ZZZZZZ			19:29																			
ZZZZZZ			19:33																			
ZZZZZZ			19:37																			
ZZZZZZ			19:41																			
ZZZZZZ			19:45																			
ZZZZZZ			19:49																			
ZZZZZZ			19:53																			
ZZZZZZ			19:57																			
ZZZZZZ			20:01																			
ZZZZZZ			20:05																			
CCV 460-362357/124			20:09																			
CCB 460-362357/125			20:13																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/13/2016 11:34 End Date: 04/14/2016 02:21

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
CCVL 460-362357/126			20:17																			
ZZZZZZ			20:21																			
ZZZZZZ			20:25																			
ZZZZZZ			20:29																			
ZZZZZZ			20:33																			
ZZZZZZ			20:37																			
ZZZZZZ			20:41																			
ZZZZZZ			20:45																			
ZZZZZZ			20:50																			
CCV 460-362357/135			20:57																			
CCB 460-362357/136			21:01																			
CCVL 460-362357/137			21:06																			
ZZZZZZ			21:10																			
ZZZZZZ			21:14																			
ZZZZZZ			21:18																			
ZZZZZZ			21:23																			
ZZZZZZ			21:27																			
ZZZZZZ			21:31																			
ZZZZZZ			21:35																			
ZZZZZZ			21:40																			
ZZZZZZ			21:43																			
ZZZZZZ			21:48																			
CCV 460-362357/148			21:52																			
CCB 460-362357/149			21:56																			
CCVL 460-362357/150			22:00																			
ZZZZZZ			22:05																			
ZZZZZZ			22:09																			
ZZZZZZ			22:13																			
ZZZZZZ			22:17																			
ZZZZZZ			22:21																			
ZZZZZZ			22:25																			
ZZZZZZ			22:30																			
ZZZZZZ			22:34																			
ZZZZZZ			22:38																			
ZZZZZZ			22:43																			
CCV 460-362357/161			22:47																			
CCB 460-362357/162			22:51																			
CCVL 460-362357/163			22:55																			
ZZZZZZ			23:00																			
ZZZZZZ			23:04																			
ZZZZZZ			23:08																			
ZZZZZZ			23:12																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/13/2016 11:34 End Date: 04/14/2016 02:21

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			23:17																			
ZZZZZZ			23:21																			
ZZZZZZ			23:25																			
ZZZZZZ			23:29																			
ZZZZZZ			23:34																			
ZZZZZZ			23:38																			
CCV 460-362357/174			23:43																			
CCB 460-362357/175			23:47																			
CCVL 460-362357/176			23:51																			
ZZZZZZ			23:55																			
ZZZZZZ			00:00																			
ZZZZZZ			00:04																			
ZZZZZZ			00:08																			
ZZZZZZ			00:12																			
ZZZZZZ			00:16																			
ZZZZZZ			00:21																			
ZZZZZZ			00:24																			
ZZZZZZ			00:28																			
ZZZZZZ			00:33																			
CCV 460-362357/187			00:37																			
CCB 460-362357/188			00:40																			
CCVL 460-362357/189			00:44																			
ZZZZZZ			00:48																			
ZZZZZZ			00:52																			
ZZZZZZ			00:56																			
ZZZZZZ			01:00																			
ZZZZZZ			01:04																			
ZZZZZZ			01:08																			
ZZZZZZ			01:12																			
ZZZZZZ			01:16																			
ZZZZZZ			01:20																			
ZZZZZZ			01:24																			
CCV 460-362357/200			01:27																			
CCB 460-362357/201			01:31																			
CCVL 460-362357/202			01:35																			
ZZZZZZ			01:39																			
ZZZZZZ			01:43																			
ZZZZZZ			01:47																			
ZZZZZZ			01:51																			
ZZZZZZ			01:54																			
ZZZZZZ			01:58																			
ZZZZZZ			02:02																			

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/13/2016 11:34 End Date: 04/14/2016 02:21

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			02:06																			
ZZZZZZ			02:10																			
CCV 460-362357/212			02:14																			
CCB 460-362357/213			02:17																			
CCVL 460-362357/214			02:21																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/13/2016 11:34 End Date: 04/14/2016 02:21

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ICIS 460-362357/1	1		11:34	X	X																
ZZZZZZ			11:38																		
ZZZZZZ			11:43																		
ZZZZZZ			11:47																		
ZZZZZZ			11:50																		
ZZZZZZ			11:54																		
ICV 460-362357/7	1		11:58	X	X																
ICB 460-362357/8	1		12:02	X	X																
ICVL 460-362357/9	1		12:06	X	X																
ICSA 460-362357/10	1		12:10	X	X																
ICSAB 460-362357/11	1		12:14	X	X																
ZZZZZZ			12:18																		
ZZZZZZ			12:22																		
ZZZZZZ			12:26																		
ZZZZZZ			12:30																		
ZZZZZZ			12:34																		
ZZZZZZ			12:38																		
ZZZZZZ			12:42																		
ZZZZZZ			12:46																		
CCV 460-362357/20			12:50																		
CCB 460-362357/21			12:53																		
CCVL 460-362357/22			12:58																		
ZZZZZZ			13:02																		
ZZZZZZ			13:06																		
ZZZZZZ			13:09																		
ZZZZZZ			13:13																		
ZZZZZZ			13:17																		
ZZZZZZ			13:22																		
ZZZZZZ			13:26																		
ZZZZZZ			13:30																		
ZZZZZZ			13:34																		
ZZZZZZ			13:38																		
CCV 460-362357/33	1		13:42	X	X																
CCB 460-362357/34	1		13:46	X	X																
CCVL 460-362357/35	1		13:50	X	X																
LCSSRM 460-362066/2-A ^4	4	T	14:05	X	X																
ZZZZZZ			14:09																		
ZZZZZZ			14:13																		
ZZZZZZ			14:17																		
ZZZZZZ			14:21																		
ZZZZZZ			14:25																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/13/2016 11:34 End Date: 04/14/2016 02:21

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			14:30																		
ZZZZZZ			14:33																		
ZZZZZZ			14:37																		
ZZZZZZ			14:41																		
CCV 460-362357/46	1		14:45	X	X																
CCB 460-362357/47	1		14:49	X	X																
CCVL 460-362357/48	1		14:53	X	X																
ZZZZZZ			14:57																		
ZZZZZZ			15:01																		
ZZZZZZ			15:05																		
ZZZZZZ			15:09																		
ZZZZZZ			15:13																		
ZZZZZZ			15:17																		
ZZZZZZ			15:21																		
ZZZZZZ			15:25																		
ZZZZZZ			15:29																		
ZZZZZZ			15:33																		
CCV 460-362357/59			15:37																		
CCB 460-362357/60			15:40																		
CCVL 460-362357/61			15:45																		
ZZZZZZ			15:58																		
ZZZZZZ			16:02																		
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ZZZZZZ			16:30																		
ZZZZZZ			16:34																		
CCV 460-362357/72			16:38																		
CCB 460-362357/73			16:42																		
CCVL 460-362357/74			16:46																		
ZZZZZZ			16:50																		
ZZZZZZ			16:54																		
ZZZZZZ			16:58																		
ZZZZZZ			17:02																		
ZZZZZZ			17:06																		
ZZZZZZ			17:11																		
ZZZZZZ			17:14																		
ZZZZZZ			17:18																		
ZZZZZZ			17:23																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/13/2016 11:34 End Date: 04/14/2016 02:21

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			17:27																		
CCV 460-362357/85			17:31																		
CCB 460-362357/86			17:35																		
CCVL 460-362357/87			17:39																		
ZZZZZZ			17:43																		
ZZZZZZ			17:47																		
ZZZZZZ			17:51																		
ZZZZZZ			17:55																		
ZZZZZZ			17:59																		
ZZZZZZ			18:03																		
ZZZZZZ			18:08																		
ZZZZZZ			18:12																		
ZZZZZZ			18:16																		
ZZZZZZ			18:20																		
CCV 460-362357/98			18:24																		
CCB 460-362357/99			18:28																		
CCVL 460-362357/100			18:32																		
ZZZZZZ			18:36																		
ZZZZZZ			18:40																		
ZZZZZZ			18:45																		
ZZZZZZ			18:48																		
ZZZZZZ			18:52																		
ZZZZZZ			18:56																		
ZZZZZZ			19:01																		
ZZZZZZ			19:05																		
ZZZZZZ			19:08																		
ZZZZZZ			19:12																		
CCV 460-362357/111			19:16																		
CCB 460-362357/112			19:20																		
CCVL 460-362357/113			19:24																		
ZZZZZZ			19:29																		
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ZZZZZZ			19:49																		
ZZZZZZ			19:53																		
ZZZZZZ			19:57																		
ZZZZZZ			20:01																		
ZZZZZZ			20:05																		
CCV 460-362357/124			20:09																		
CCB 460-362357/125			20:13																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/13/2016 11:34 End Date: 04/14/2016 02:21

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCVL 460-362357/126			20:17																		
ZZZZZZ			20:21																		
ZZZZZZ			20:25																		
ZZZZZZ			20:29																		
ZZZZZZ			20:33																		
ZZZZZZ			20:37																		
ZZZZZZ			20:41																		
ZZZZZZ			20:45																		
ZZZZZZ			20:50																		
CCV 460-362357/135			20:57																		
CCB 460-362357/136			21:01																		
CCVL 460-362357/137			21:06																		
ZZZZZZ			21:10																		
ZZZZZZ			21:14																		
ZZZZZZ			21:18																		
ZZZZZZ			21:23																		
ZZZZZZ			21:27																		
ZZZZZZ			21:31																		
ZZZZZZ			21:35																		
ZZZZZZ			21:40																		
ZZZZZZ			21:43																		
ZZZZZZ			21:48																		
CCV 460-362357/148			21:52																		
CCB 460-362357/149			21:56																		
CCVL 460-362357/150			22:00																		
ZZZZZZ			22:05																		
ZZZZZZ			22:09																		
ZZZZZZ			22:13																		
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ZZZZZZ			22:34																		
ZZZZZZ			22:38																		
ZZZZZZ			22:43																		
CCV 460-362357/161			22:47																		
CCB 460-362357/162			22:51																		
CCVL 460-362357/163			22:55																		
ZZZZZZ			23:00																		
ZZZZZZ			23:04																		
ZZZZZZ			23:08																		
ZZZZZZ			23:12																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/13/2016 11:34 End Date: 04/14/2016 02:21

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			23:17																		
ZZZZZZ			23:21																		
ZZZZZZ			23:25																		
ZZZZZZ			23:29																		
ZZZZZZ			23:34																		
ZZZZZZ			23:38																		
CCV 460-362357/174			23:43																		
CCB 460-362357/175			23:47																		
CCVL 460-362357/176			23:51																		
ZZZZZZ			23:55																		
ZZZZZZ			00:00																		
ZZZZZZ			00:04																		
ZZZZZZ			00:08																		
ZZZZZZ			00:12																		
ZZZZZZ			00:16																		
ZZZZZZ			00:21																		
ZZZZZZ			00:24																		
ZZZZZZ			00:28																		
ZZZZZZ			00:33																		
CCV 460-362357/187			00:37																		
CCB 460-362357/188			00:40																		
CCVL 460-362357/189			00:44																		
ZZZZZZ			00:48																		
ZZZZZZ			00:52																		
ZZZZZZ			00:56																		
ZZZZZZ			01:00																		
ZZZZZZ			01:04																		
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ZZZZZZ			01:12																		
ZZZZZZ			01:16																		
ZZZZZZ			01:20																		
ZZZZZZ			01:24																		
CCV 460-362357/200			01:27																		
CCB 460-362357/201			01:31																		
CCVL 460-362357/202			01:35																		
ZZZZZZ			01:39																		
ZZZZZZ			01:43																		
ZZZZZZ			01:47																		
ZZZZZZ			01:51																		
ZZZZZZ			01:54																		
ZZZZZZ			01:58																		
ZZZZZZ			02:02																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-111954-1

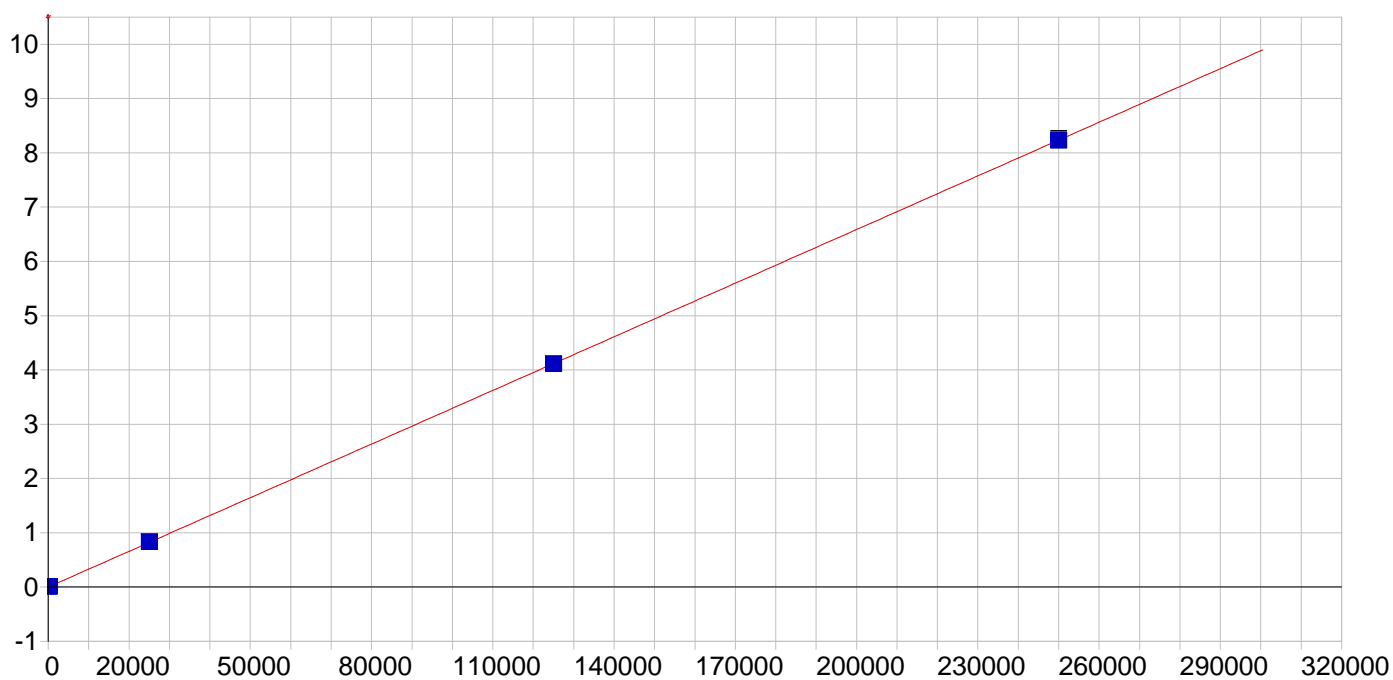
SDG No.: _____

Instrument ID: ICP4 Method: 6010C

Start Date: 04/13/2016 11:34 End Date: 04/14/2016 02:21

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			02:06																		
ZZZZZZ			02:10																		
CCV 460-362357/212			02:14																		
CCB 460-362357/213			02:17																		
CCVL 460-362357/214			02:21																		

Prep Types
T = Total/NA

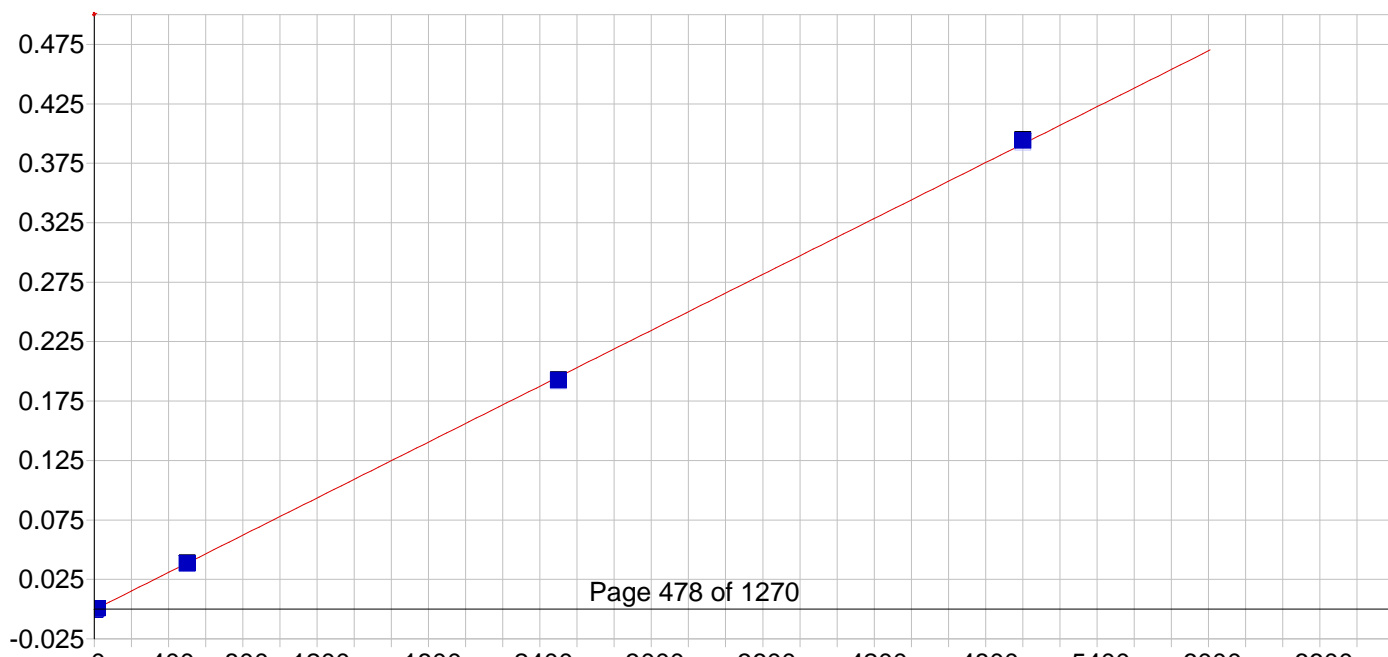


AI 396.152 { 85}

Date of Fit: 4/13/2016 9:54:15 Type of Fit: Linear Weighting: 1/Conc

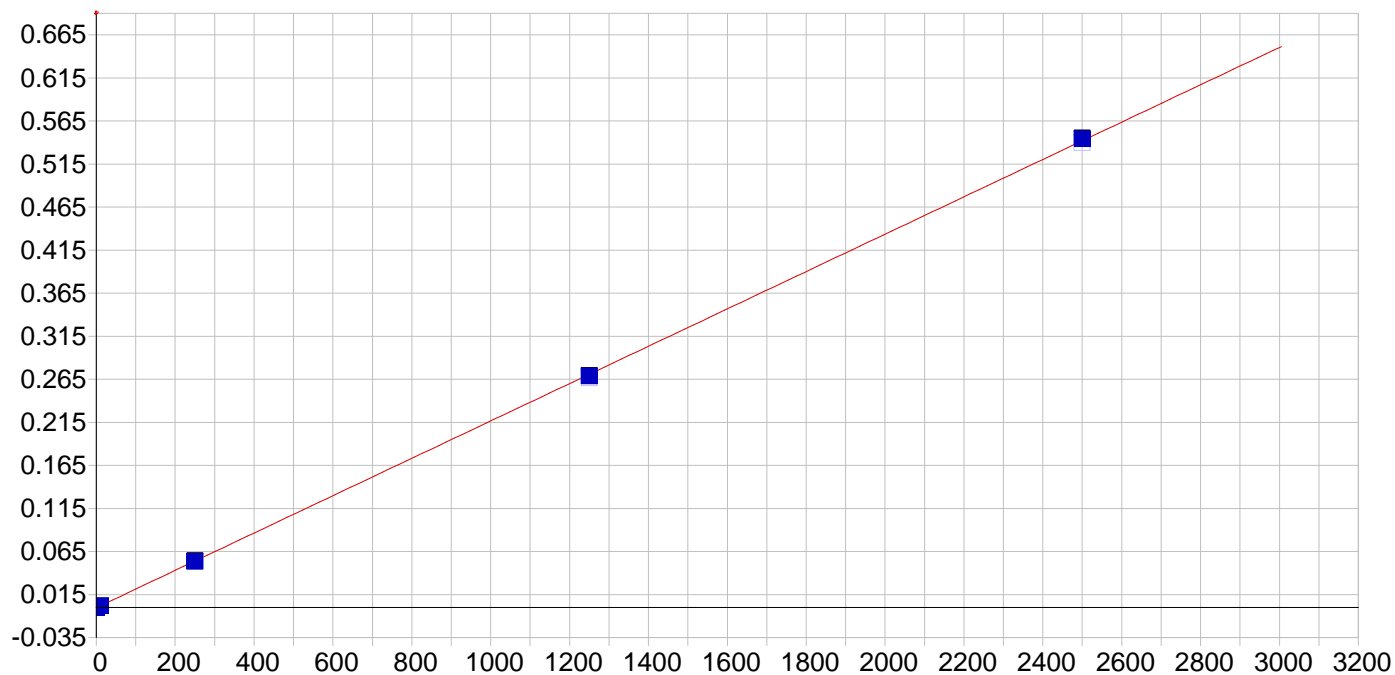
A0 (Offset): -0.000093 Re-Slope: 1.000000
 A1 (Gain): 0.000033 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999995 Status: OK.
 Std Error of Est: 0.000037
 Predicted MDL: 14.810567
 Predicted MQL: 49.368555

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.01196	-.012	.000	-.00009	.001	1
CAL2	200.00	210.18	10.2	5.09	.00685	.001	1
CAL3	25000.	25268.	268.	1.07	.83280	.002	1
CAL4	125000.	124820.	-177.	-.142	4.1143	.002	1
CAL5	250000.	249900.	-101.	-.040	8.2371	.020	1



Std Error of Est: 0.000006
 Predicted MDL: 2.230802
 Predicted MQL: 7.436007

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00061		.001	.000	-.00045	.000	1
CAL2	15.000		15.045		.045	.301	.00073	.000	1
CAL3	500.00		497.90		-2.10	-.419	.03838	.000	1
CAL4	2500.0		2463.9		-36.1	-1.44	.19168	.000	1
CAL5	5000.0		5038.7		38.7	.774	.39249	.001	1
CAL1	5.0000		4.4272		-.573	-11.5	-.00010	.000	1

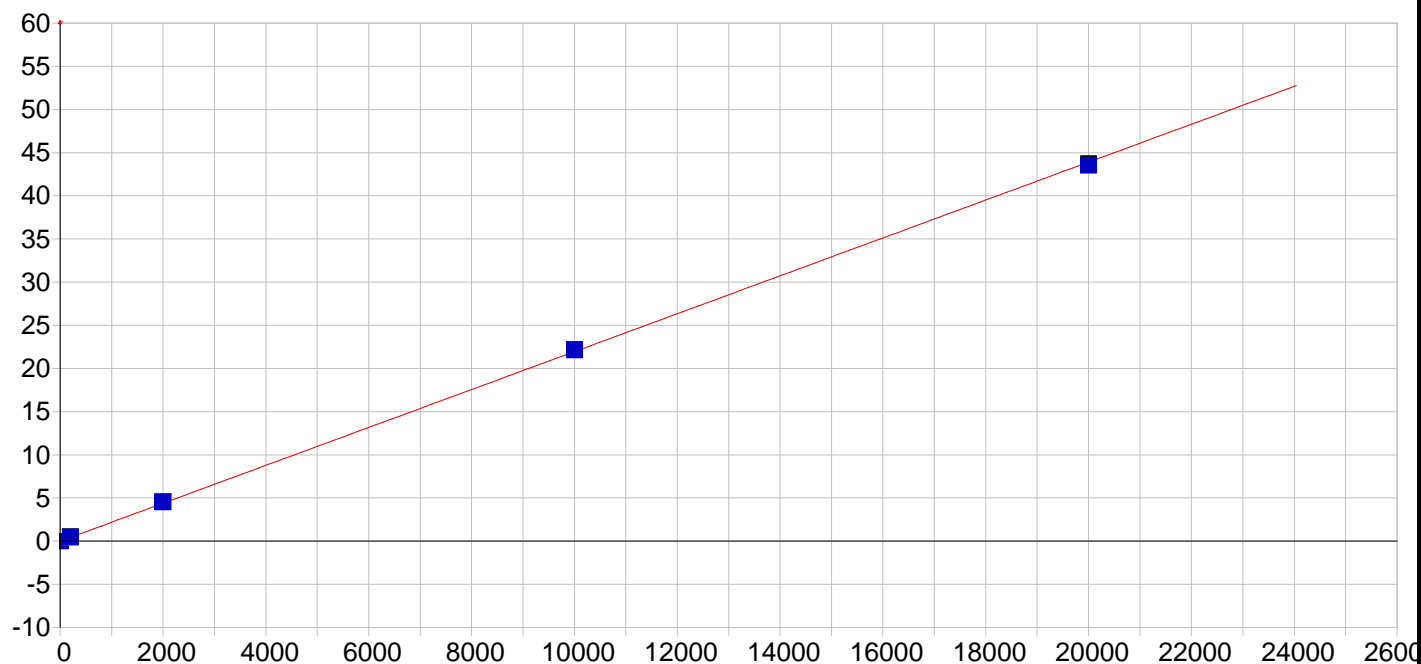


Ag 328.068 {103}

Date of Fit: 4/13/2016 9:54:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000373 Re-Slope: 1.000000
 A1 (Gain): 0.000217 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999982 Status: OK.
 Std Error of Est: 0.000011
 Predicted MDL: 0.595679
 Predicted MQL: 1.985597

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00045		.000	.000	-.00037	.000	1
CAL2	10.000		9.6218		-.378	-3.78	.00170	.000	1
CAL3	250.00		248.95		-1.05	-.419	.05317	.000	1
CAL4	1250.0		1240.4		-9.61	-.769	.26639	.000	1
CAL5	2500.0		2511.0		11.0	.442	.53972	.001	1

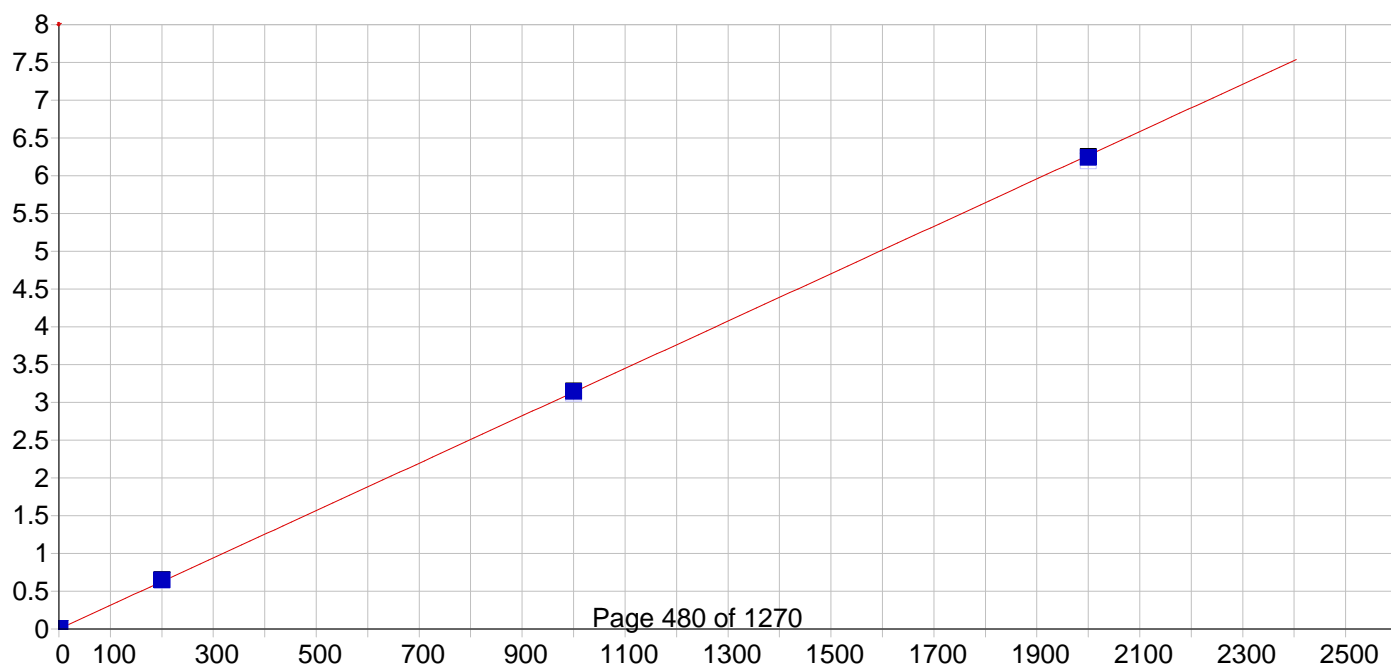


Ba 233.527 {445}

Date of Fit: 4/13/2016 9:54:15 Type of Fit: Linear Weighting: 1/Conc

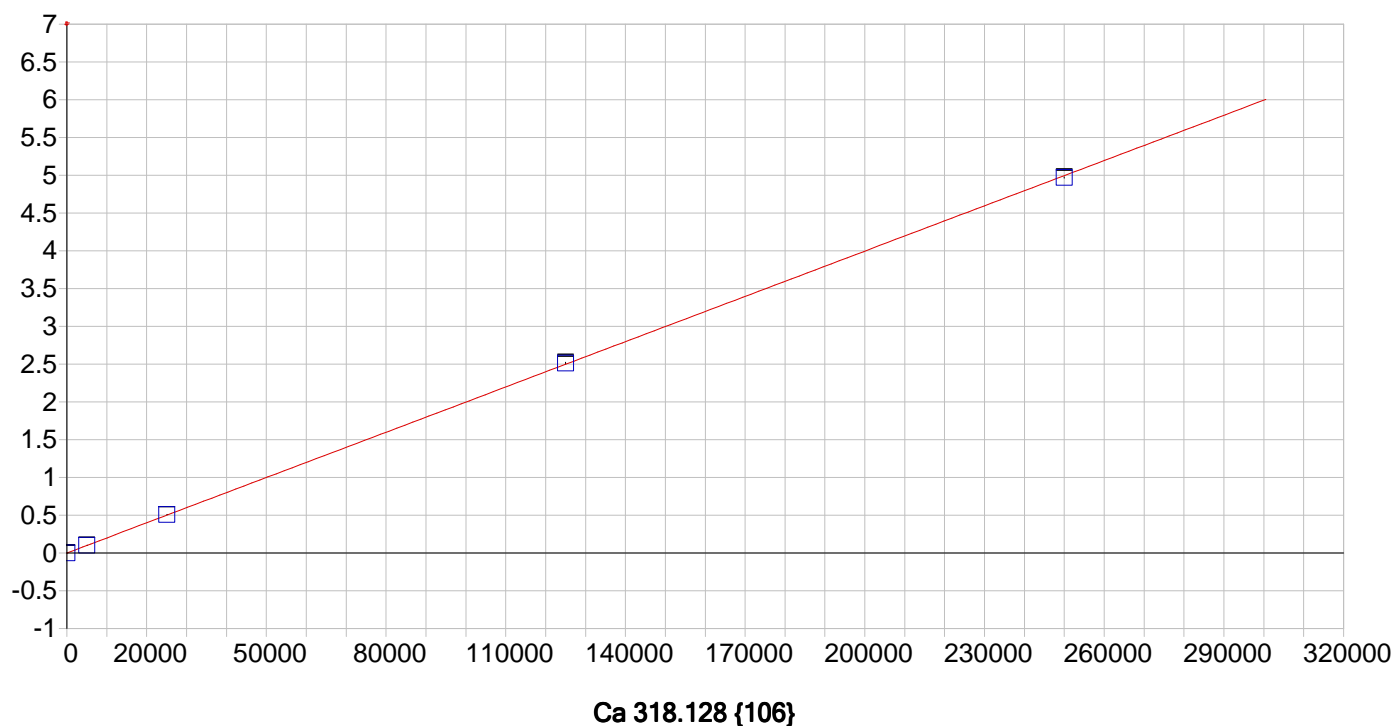
A0 (Offset): 0.000077 Re-Slope: 1.000000
 A1 (Gain): 0.002195 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999926 Status: OK.
 Std Error of Est: 0.002764
 Predicted MDL: 0.140342
 Predicted MQL: 0.467806

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.01477		-.015	.000	.00004	.000	1
CAL2	200.00		207.75		7.75	3.87	.45595	.000	1
CAL3	2000.0		2069.4		69.4	3.47	4.5382	.014	1
CAL4	10000.		10085.		85.5	.855	22.116	.020	1
CAL5	20000.		19837.		-163.	-.813	43.501	.129	1



Predicted MDL: 0.120071
Predicted MQL: 0.400237

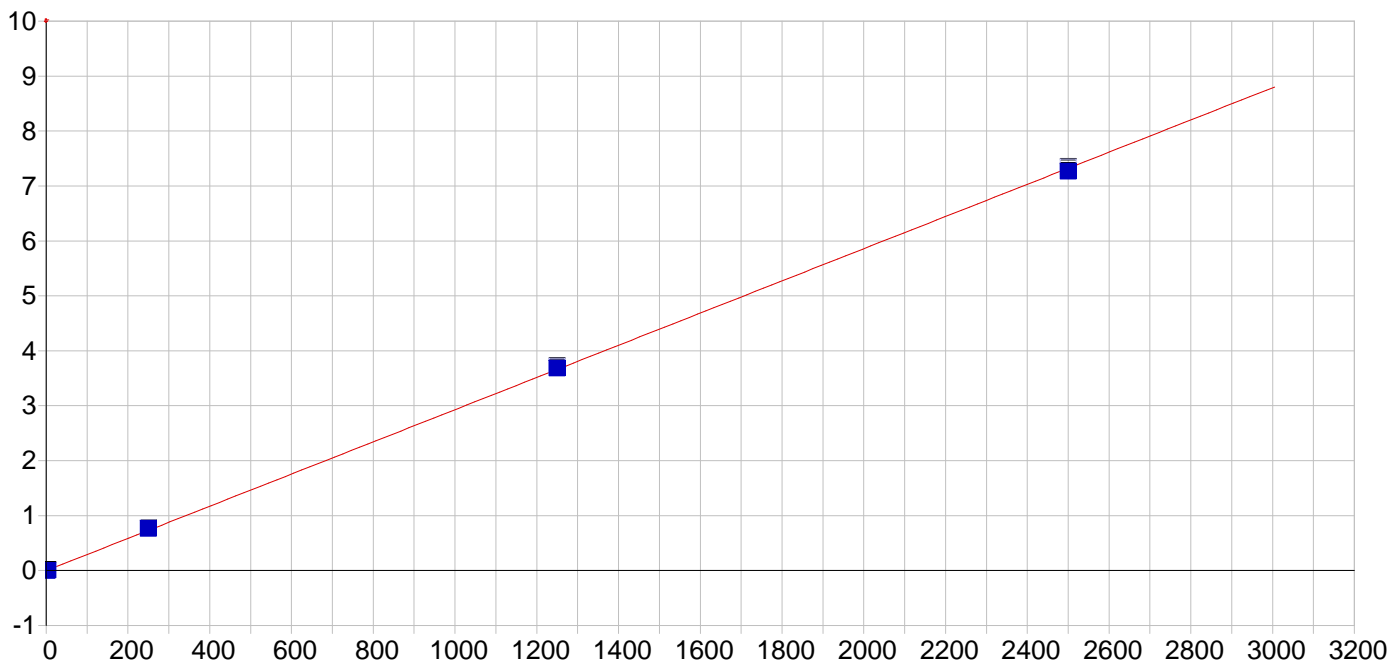
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00003	.000	.000	.00041	.000	1
CAL2	2.0000	1.9098	-.090	-4.51	.00636	.000	1
CAL3	200.00	206.65	6.65	3.33	.64369	.002	1
CAL4	1000.0	1002.3	2.34	.234	3.1198	.004	1
CAL5	2000.0	1991.1	-8.91	-.445	6.1966	.010	1



Date of Fit: 4/13/2016 9:54:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000235 Re-Slope: 1.000000
A1 (Gain): 0.000020 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999975 Status: OK.
Std Error of Est: 0.000260
Predicted MDL: 6.171368
Predicted MQL: 20.571226

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.17463	-.175	.000	-.00024	.000	1
CAL2	5000.0	5080.8	80.8	1.62	.10129	.000	1
CAL3	25000.	25447.	447.	1.79	.50827	.000	1
CAL4	125000.	125750.	749.	.599	2.5126	.011	1
CAL5	250000.	248720.	-1280.	-.511	4.9700	.009	1

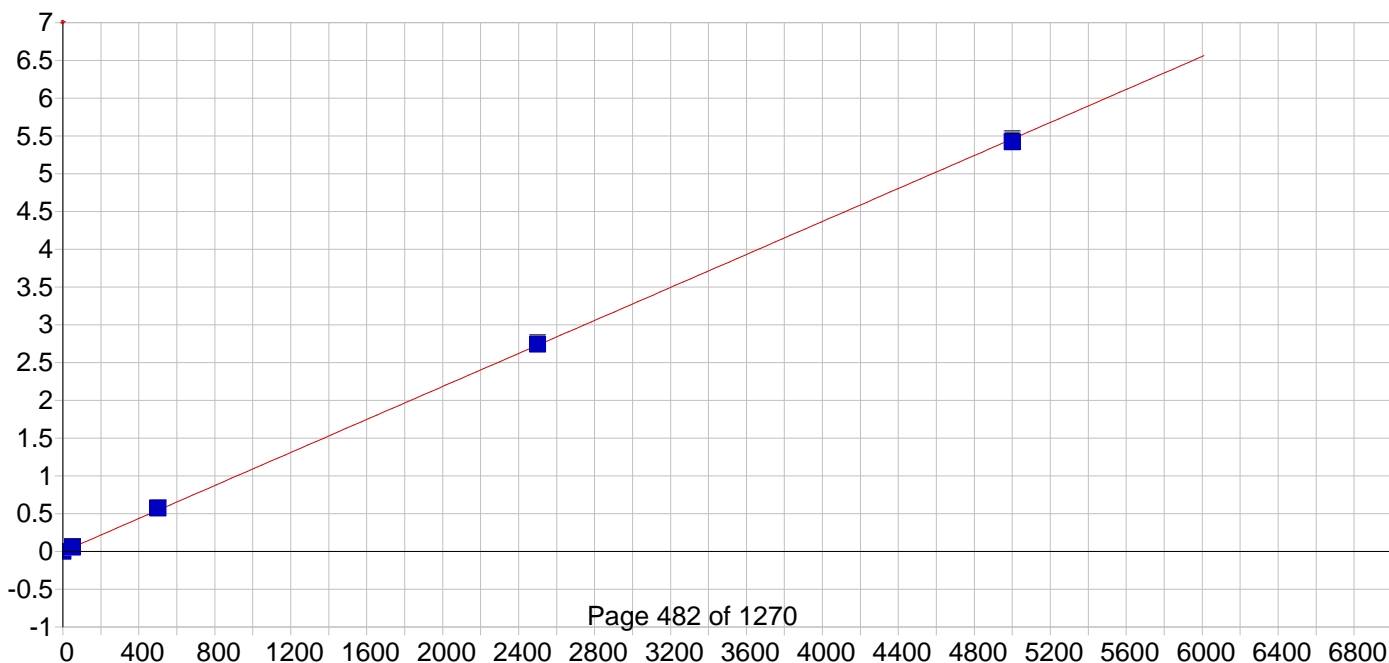


Cd 226.502 {449}

Date of Fit: 4/13/2016 9:54:15 Type of Fit: Linear Weighting: 1/Conc

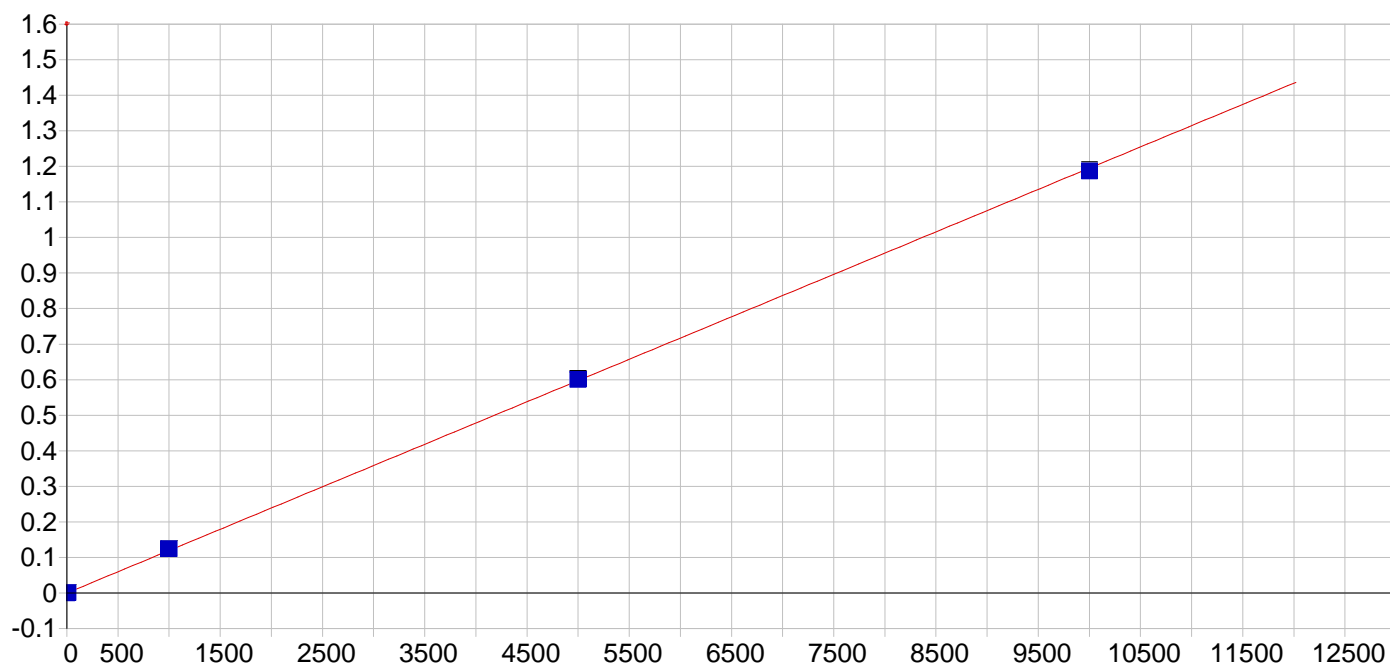
A0 (Offset): -0.001370 Re-Slope: 1.000000
 A1 (Gain): 0.002930 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999899 Status: OK.
 Std Error of Est: 0.000217
 Predicted MDL: 0.125874
 Predicted MQL: 0.419581

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00031		-.000	.000	-.00137	.000	1
CAL2	4.0000		4.1190		.119	2.98	.01076	.000	1
CAL3	250.00		262.51		12.5	5.01	.77572	.002	1
CAL4	1250.0		1257.1		7.05	.564	3.7215	.004	1
CAL5	2500.0		2480.3		-19.7	-.787	7.3453	.012	1



Predicted MDL: 0.285660
Predicted MQL: 0.952201

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00494	-.005	.000	-.00047	.000	1
CAL2	50.000	52.744	2.74	5.49	.05715	.000	1
CAL3	500.00	523.48	23.5	4.70	.57493	.001	1
CAL4	2500.0	2511.1	11.1	.445	2.7605	.003	1
CAL5	5000.0	4962.7	-37.3	-.747	5.4563	.008	1

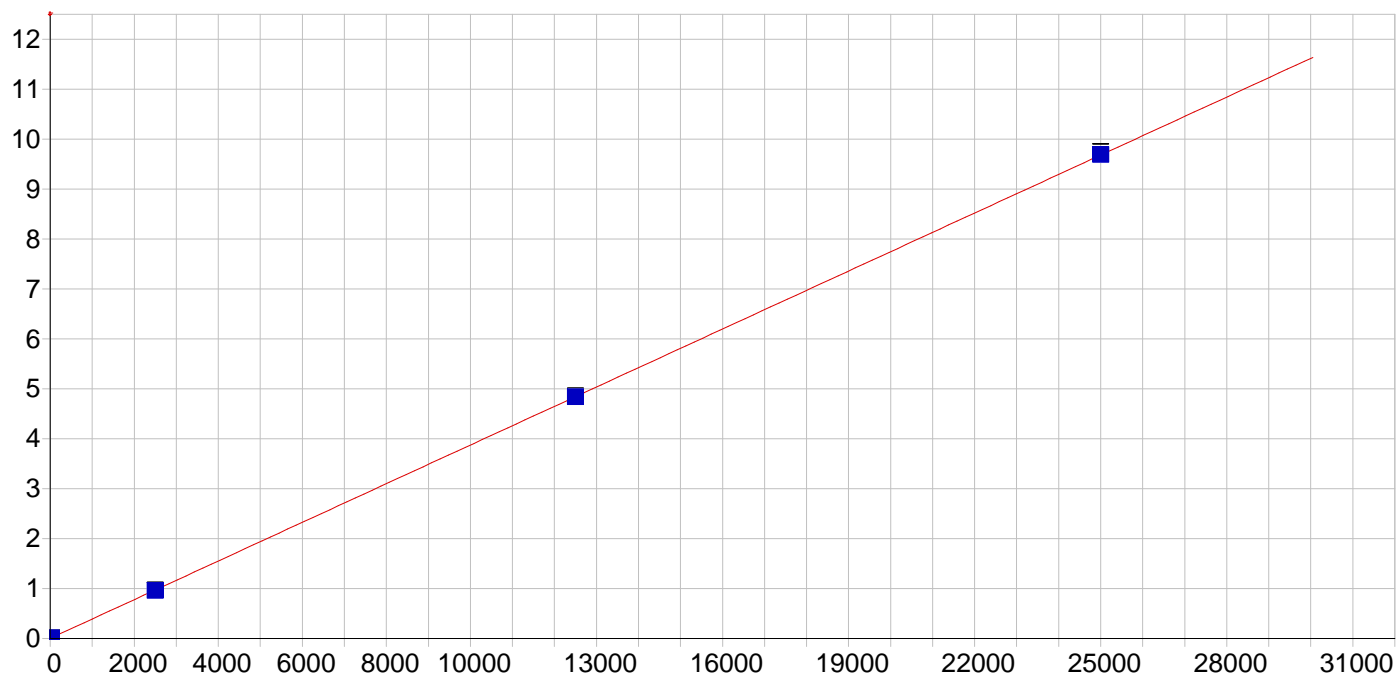


Cr 267.716 {126}

Date of Fit: 4/13/2016 9:54:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000023 Re-Slope: 1.000000
A1 (Gain): 0.000120 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999929 Status: OK.
Std Error of Est: 0.000023
Predicted MDL: 0.607717
Predicted MQL: 2.025724

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00029	-.000	.000	.00002	.000	1
CAL2	10.000	9.8911	-.109	-1.09	.00121	.000	1
CAL3	1000.0	1041.3	41.3	4.13	.12448	.000	1
CAL4	5000.0	5025.0	25.0	.501	.60061	.002	1
CAL5	10000.	9933.7	-66.3	-.663	1.1873	.002	1

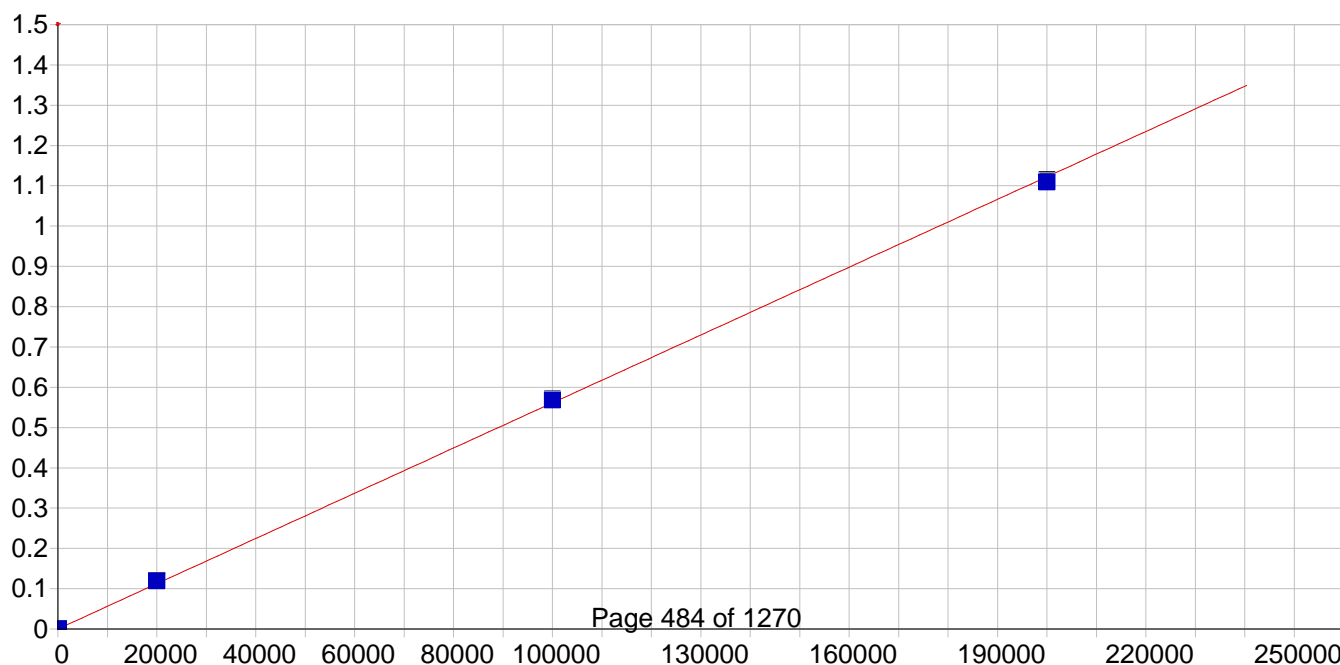


Cu 324.754 {104}

Date of Fit: 4/13/2016 9:54:15 Type of Fit: Linear Weighting: 1/Conc

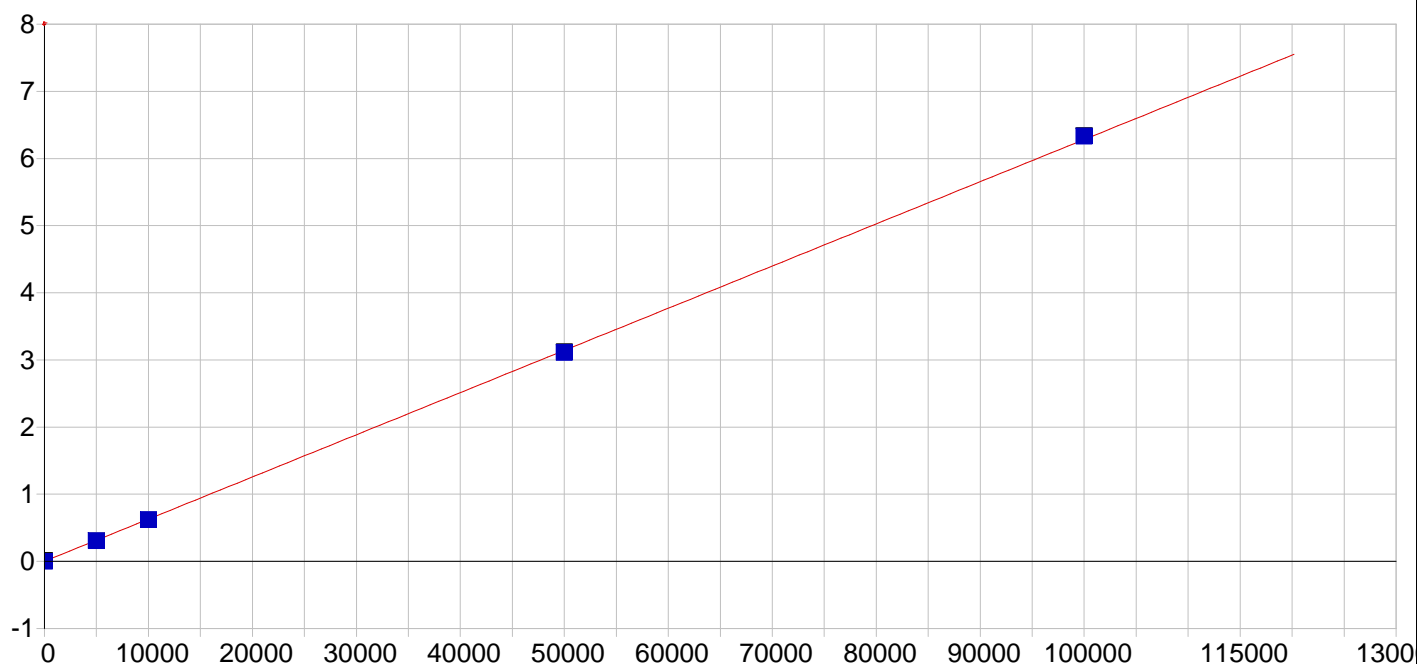
A0 (Offset): 0.003391 Re-Slope: 1.000000
 A1 (Gain): 0.000387 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999998 Status: OK.
 Std Error of Est: 0.000034
 Predicted MDL: 0.312359
 Predicted MQL: 1.041197

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00045	.000	.000	.00339	.000	1
CAL2	25.000	24.728	-.272	-1.09	.01295	.000	1
CAL3	2500.0	2479.8	-20.2	-.808	.96289	.002	1
CAL4	12500.	12500.	.262	.002	4.8401	.010	1
CAL5	25000.	25020.	20.2	.081	9.6844	.060	1



Predicted MDL: 13.224464
 Predicted MQL: 44.081546

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00976		-.010	.000	.00014	.000	1
CAL2	150.00		150.98		.976	.651	.00101	.000	1
CAL3	20000.		21168.		1170.	5.84	.11920	.000	1
CAL4	100000.		101190.		1190.	1.19	.56936	.001	1
CAL5	200000.		197640.		-2360.	-1.18	1.1119	.002	1

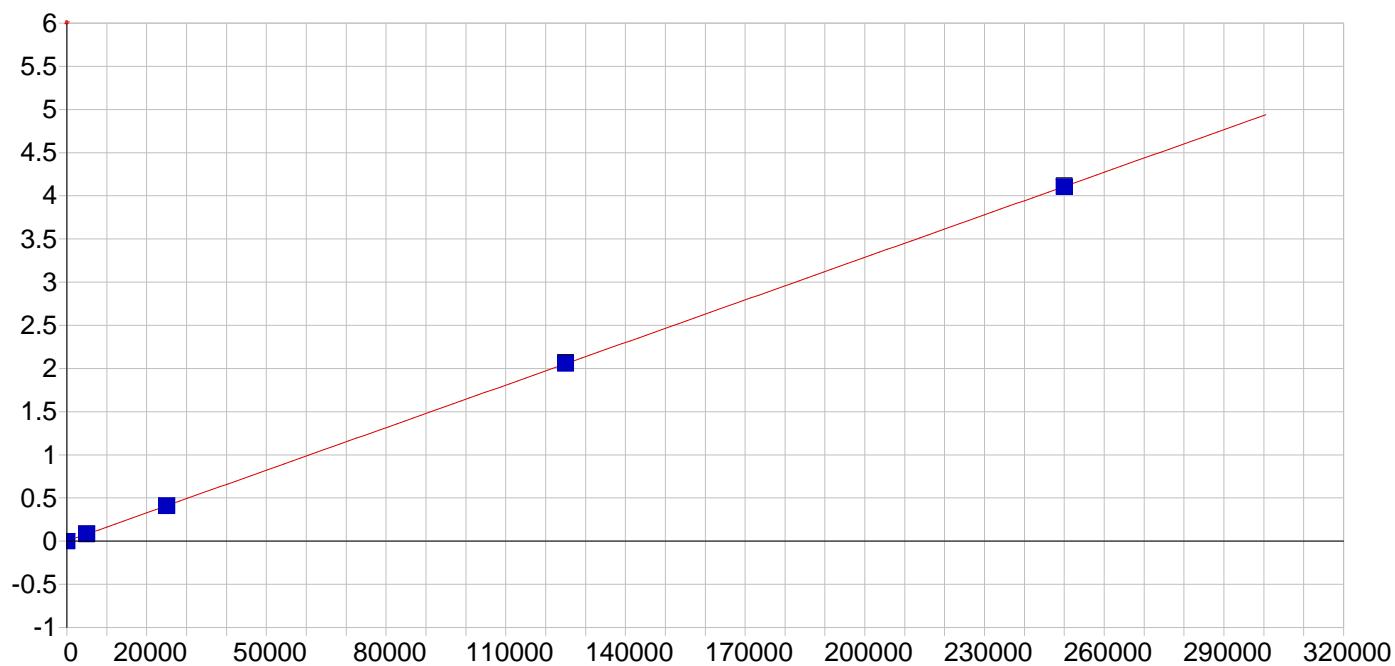


K 766.490 { 44}

Date of Fit: 4/13/2016 9:54:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001164 Re-Slope: 1.000000
 A1 (Gain): 0.000063 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999950 Status: OK.
 Std Error of Est: 0.000738
 Predicted MDL: 33.400842
 Predicted MQL: 111.336140

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.21577		.216	.000	.00118	.003	1
CAL2	5000.0		4865.3		-135.	-2.69	.30677	.001	1
CAL3	10000.		9860.5		-140.	-1.40	.62078	.000	1
CAL4	50000.		49499.		-501.	-1.00	3.1116	.005	1
CAL5	100000.		100770.		775.	.775	6.3336	.007	1

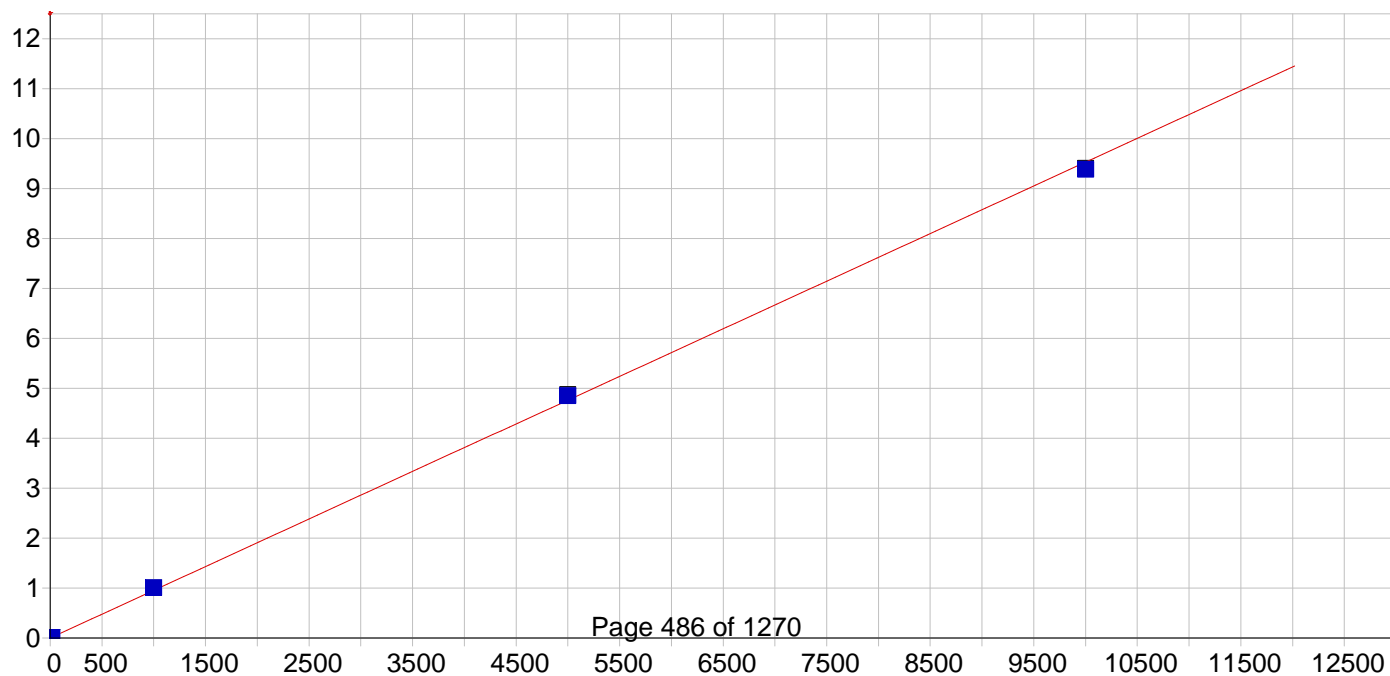


Mg 279.079 {121}

Date of Fit: 4/13/2016 9:54:15 Type of Fit: Linear Weighting: 1/Conc

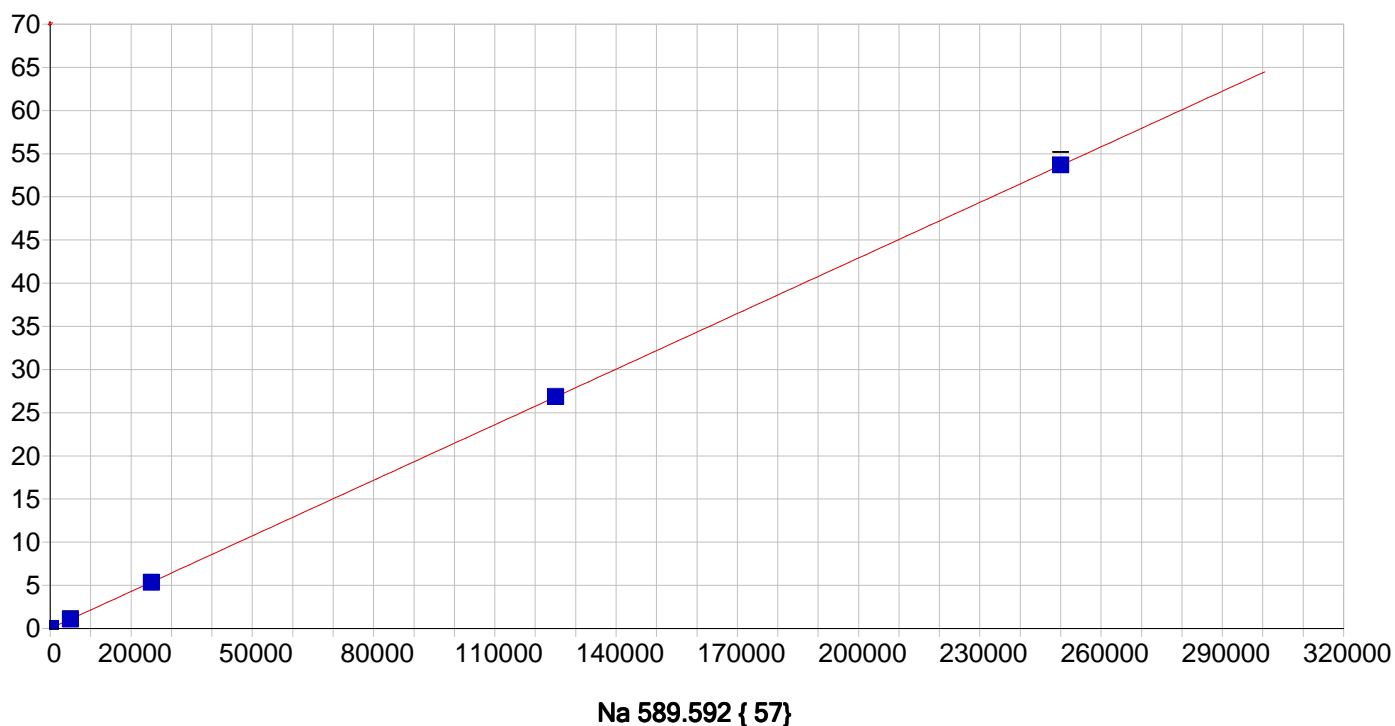
A0 (Offset): -0.000031 Re-Slope: 1.000000
 A1 (Gain): 0.000016 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999998 Status: OK.
 Std Error of Est: 0.000065
 Predicted MDL: 5.279915
 Predicted MQL: 17.599718

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.07264		.073	.000	-.00003	.000	1
CAL2	5000.0		4937.9		-62.1	-1.24	.08112	.000	1
CAL3	25000.		24902.		-97.6	-.390	.40896	.000	1
CAL4	125000.		125290.		289.	.231	2.0577	.006	1
CAL5	250000.		249870.		-129.	-.052	4.1038	.006	1



Predicted MDL: 0.077538
Predicted MQL: 0.258459

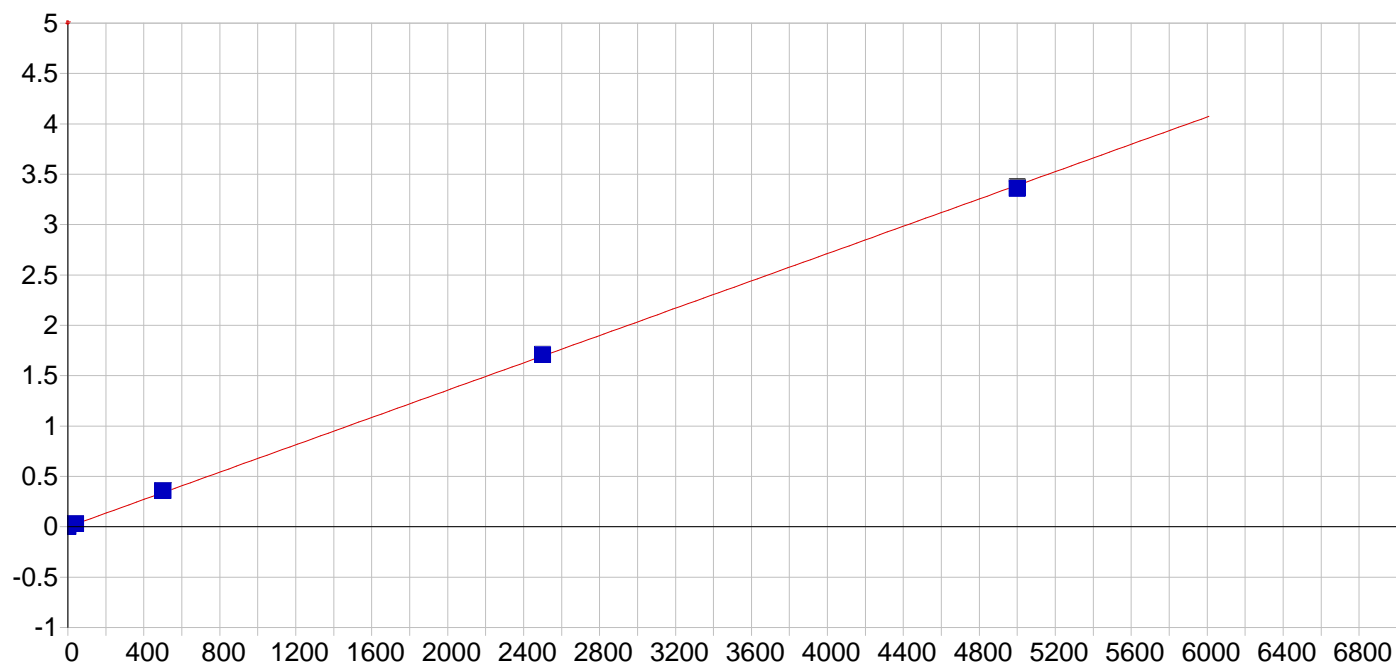
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00199	-.002	.000	.00022	.000	1
CAL2	15.000	16.096	1.10	7.30	.01556	.000	1
CAL3	1000.0	1056.7	56.7	5.67	1.0067	.001	1
CAL4	5000.0	5090.4	90.4	1.81	4.8487	.017	1
CAL5	10000.	9851.8	-148.	-1.48	9.3837	.015	1



Date of Fit: 4/13/2016 9:54:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001329 Re-Slope: 1.000000
A1 (Gain): 0.000215 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999998 Status: OK.
Std Error of Est: 0.000875
Predicted MDL: 8.352750
Predicted MQL: 27.842500

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.08508	.085	.000	.00135	.001	1
CAL2	5000.0	4944.6	-55.4	-1.11	1.0624	.001	1
CAL3	25000.	24826.	-174.	-.698	5.3305	.022	1
CAL4	125000.	125030.	29.8	.024	26.841	.038	1
CAL5	250000.	250200.	200.	.080	53.710	.582	1

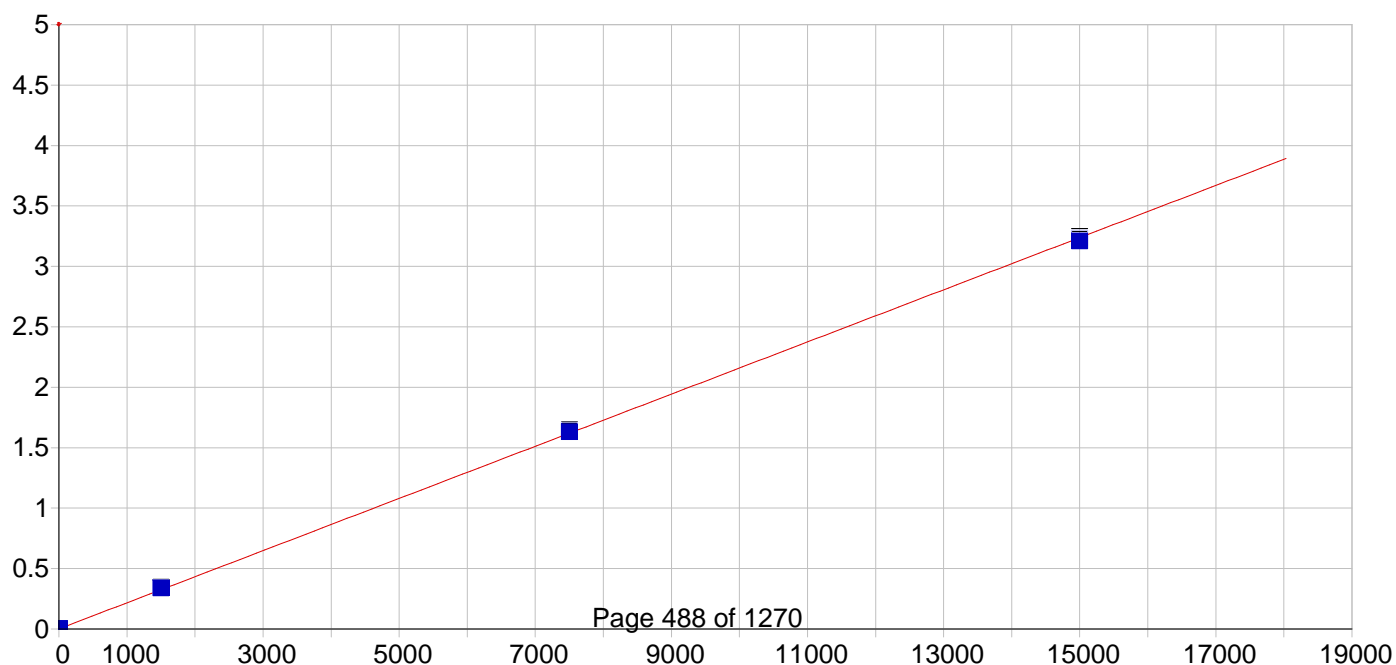


Ni 231.604 {446}

Date of Fit: 4/13/2016 9:54:15 Type of Fit: Linear Weighting: 1/Conc

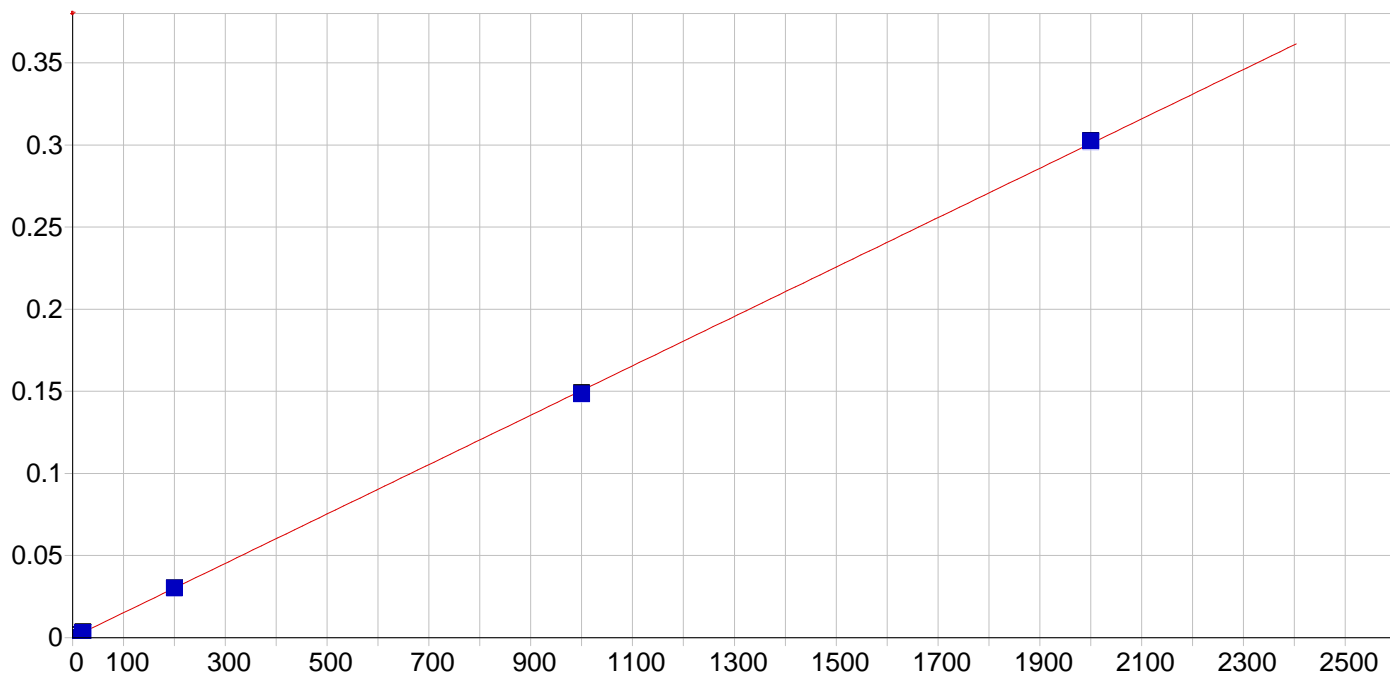
A0 (Offset): -0.000208 Re-Slope: 1.000000
 A1 (Gain): 0.000678 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999864 Status: OK.
 Std Error of Est: 0.000259
 Predicted MDL: 0.527883
 Predicted MQL: 1.759610

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00468		-.005	.000	-.00021	.000	1
CAL2	40.000		42.630		2.63	6.57	.02870	.001	1
CAL3	500.00		526.67		26.7	5.33	.35737	.001	1
CAL4	2500.0		2518.7		18.7	.747	1.7099	.002	1
CAL5	5000.0		4952.0		-48.0	-.959	3.3622	.009	1



Predicted MDL: 1.886013
 Predicted MQL: 6.286711

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00160	-.002	.000	.00104	.000	1
CAL2	10.000	11.698	1.70	17.0	.00358	.001	1
CAL3	1500.0	1570.6	70.6	4.71	.34238	.001	1
CAL4	7500.0	7555.0	55.0	.733	1.6434	.003	1
CAL5	15000.	14872.	-128.	-.852	3.2345	.012	1
CAL1	5.0000	5.5232	.523	10.5	.00223	.000	1

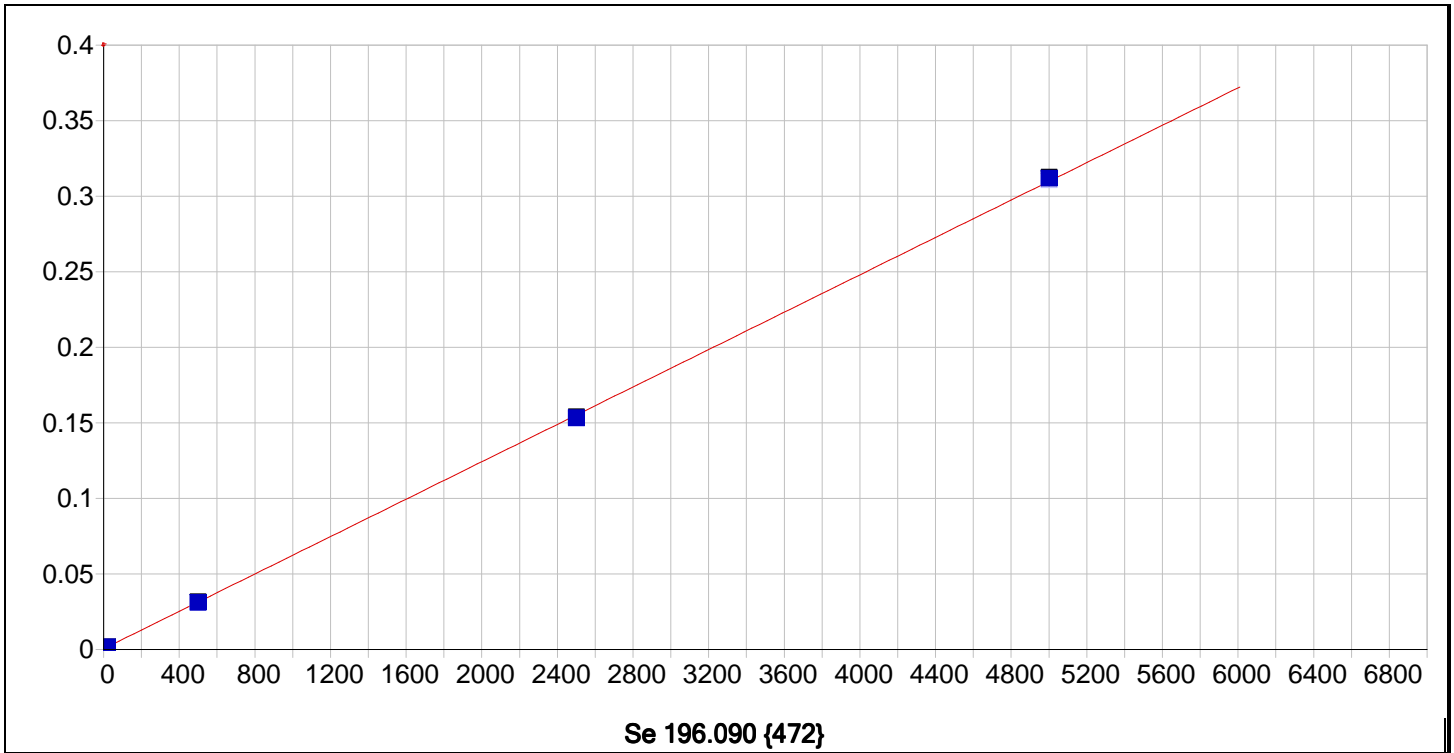


Sb 206.833 {463}

Date of Fit: 4/13/2016 9:54:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000167 Re-Slope: 1.000000
 A1 (Gain): 0.000150 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999953 Status: OK.
 Std Error of Est: 0.000010
 Predicted MDL: 1.727899
 Predicted MQL: 5.759665

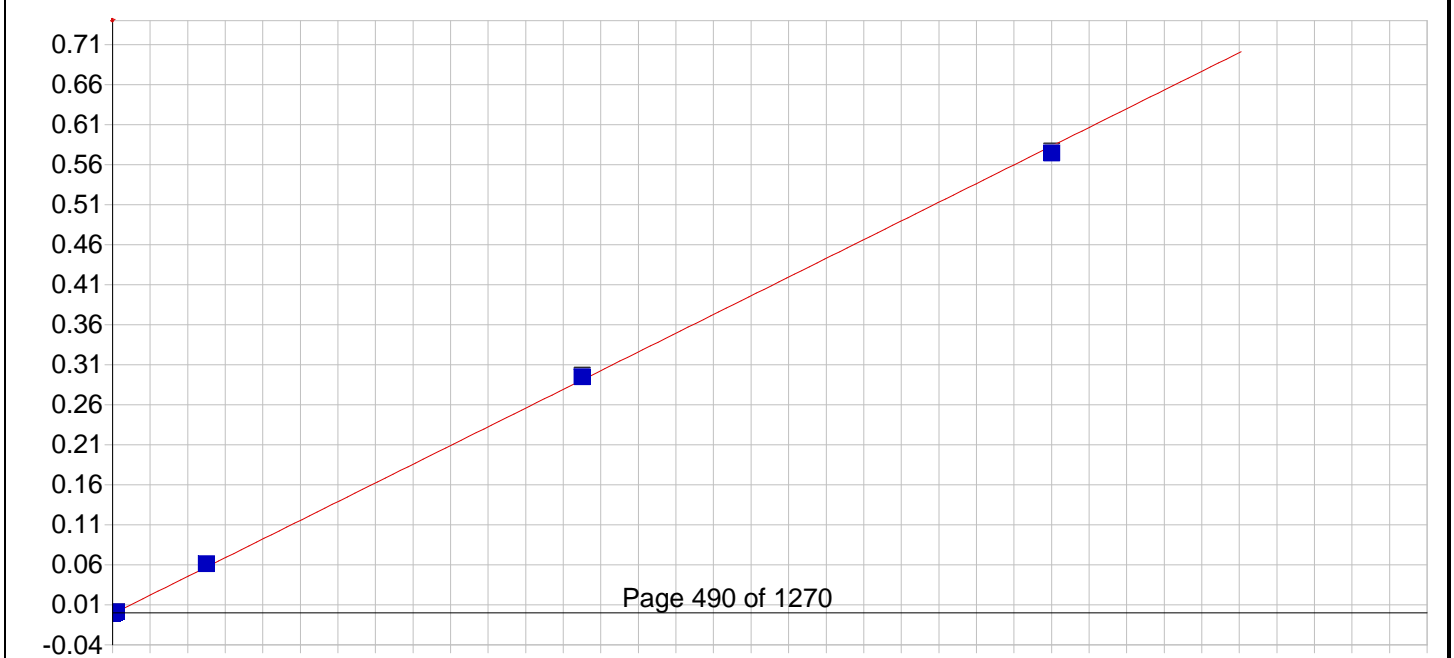
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00078	-.001	.000	.00017	.000	1
CAL2	20.000	21.108	1.11	5.54	.00326	.000	1
CAL3	200.00	200.10	.102	.051	.03016	.000	1
CAL4	1000.0	987.17	-12.8	-1.28	.14814	.001	1
CAL5	2000.0	2011.3	11.3	.567	.30167	.000	1
CAL1	10.000	10.297	.297	2.97	.00172	.000	1



Date of Fit: 4/13/2016 9:54:15 Type of Fit: Linear Weighting: 1/Conc

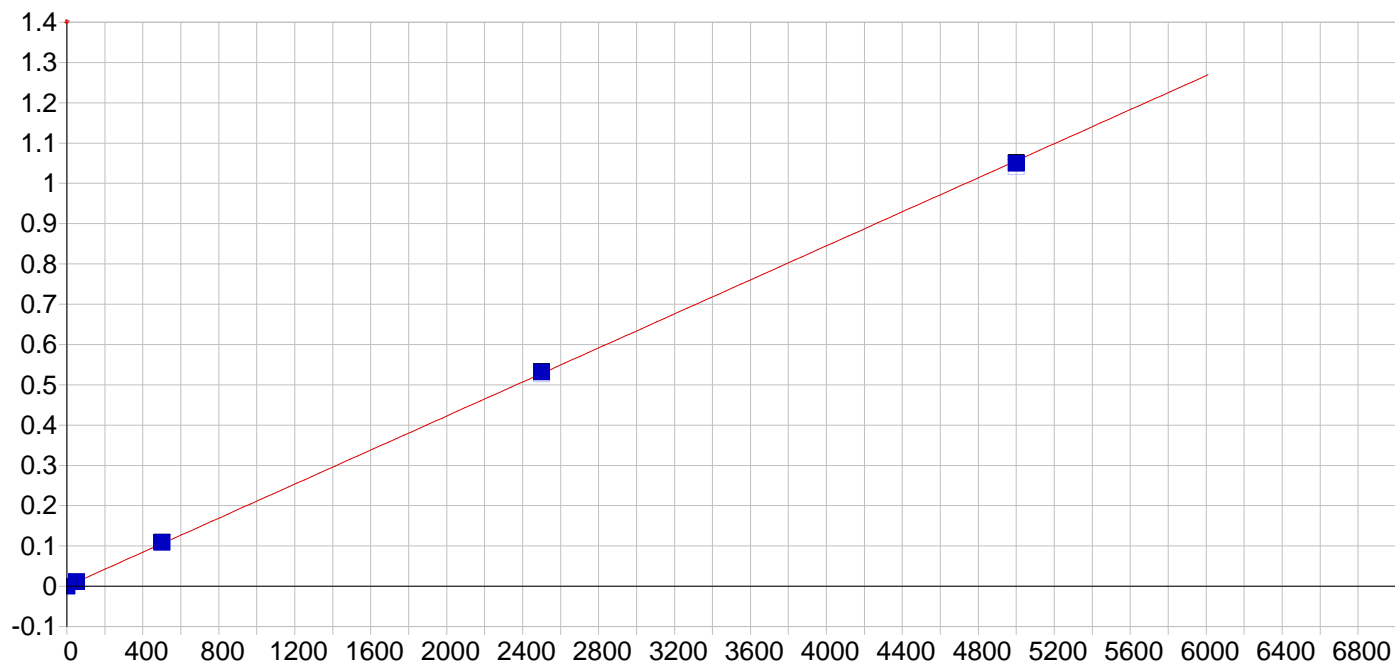
A0 (Offset): 0.000497 Re-Slope: 1.000000
A1 (Gain): 0.000062 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999960 Status: OK.
Std Error of Est: 0.000004
Predicted MDL: 3.313990
Predicted MQL: 11.046633

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00035		-.000	.000	.00050	.000	1
CAL2	20.000		20.132		.132	.660	.00174	.000	1
CAL3	500.00		495.24		-4.76	-.952	.03102	.000	1
CAL4	2500.0		2471.0		-29.0	-1.16	.15280	.000	1
CAL5	5000.0		5033.2		33.2	.664	.31073	.001	1
CAL1	5.0000		5.3907		.391	7.81	.00083	.000	1



Std Error of Est: 0.000030
 Predicted MDL: 2.088722
 Predicted MQL: 6.962408

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00282		-.003	.000	-.00127	.000	1
CAL2	20.000		22.155		2.15	10.8	.00134	.000	1
CAL3	500.00		536.06		36.1	7.21	.06151	.000	1
CAL4	2500.0		2534.4		34.4	1.38	.29556	.001	1
CAL5	5000.0		4926.4		-73.6	-1.47	.57574	.001	1
CAL1	10.000		11.032		1.03	10.3	.00002	.000	1

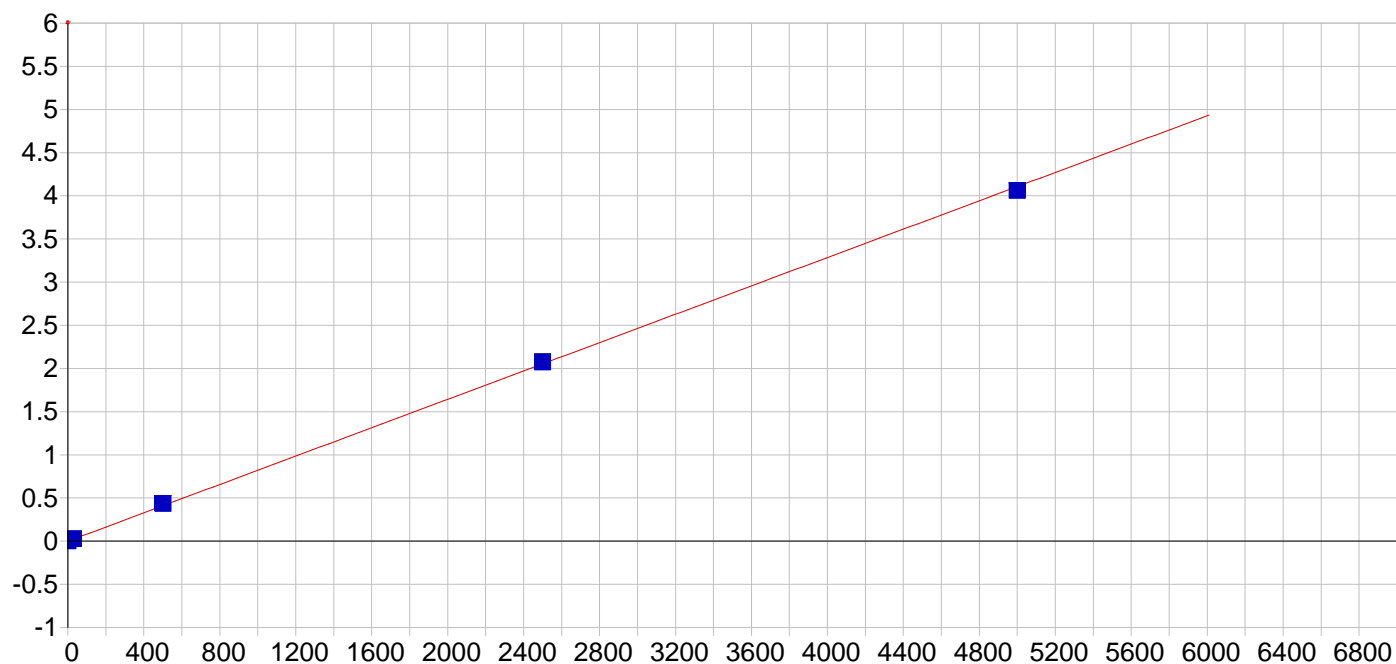


V 292.402 {115}

Date of Fit: 4/13/2016 9:54:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000017 Re-Slope: 1.000000
 A1 (Gain): 0.000211 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999950 Status: OK.
 Std Error of Est: 0.000054
 Predicted MDL: 0.454914
 Predicted MQL: 1.516381

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00298		-.003	.000	.00002	.000	1
CAL2	50.000		51.504		1.50	3.01	.01086	.000	1
CAL3	500.00		514.75		14.7	2.95	.10790	.000	1
CAL4	2500.0		2516.0		16.0	.641	.52724	.001	1
CAL5	5000.0		4967.7		-32.3	-.646	1.0409	.001	1

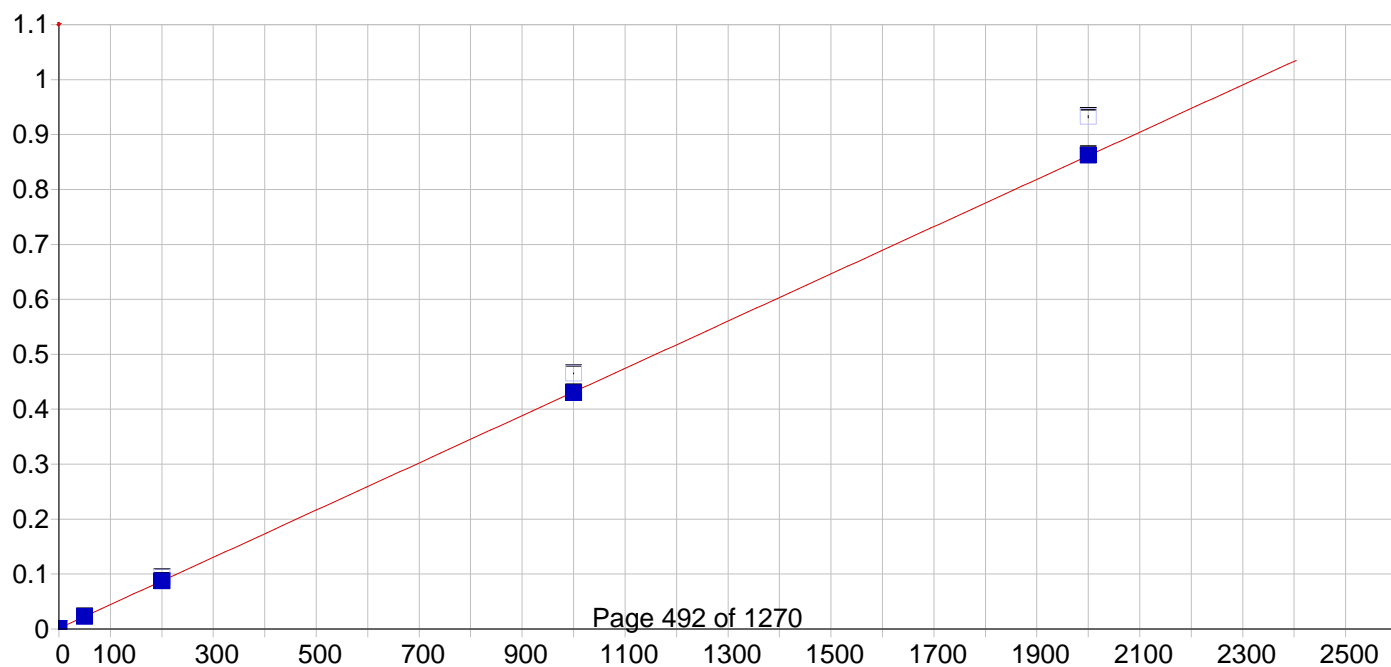


Zn 206.200 {463}

Date of Fit: 4/13/2016 9:54:15 Type of Fit: Linear Weighting: 1/Conc

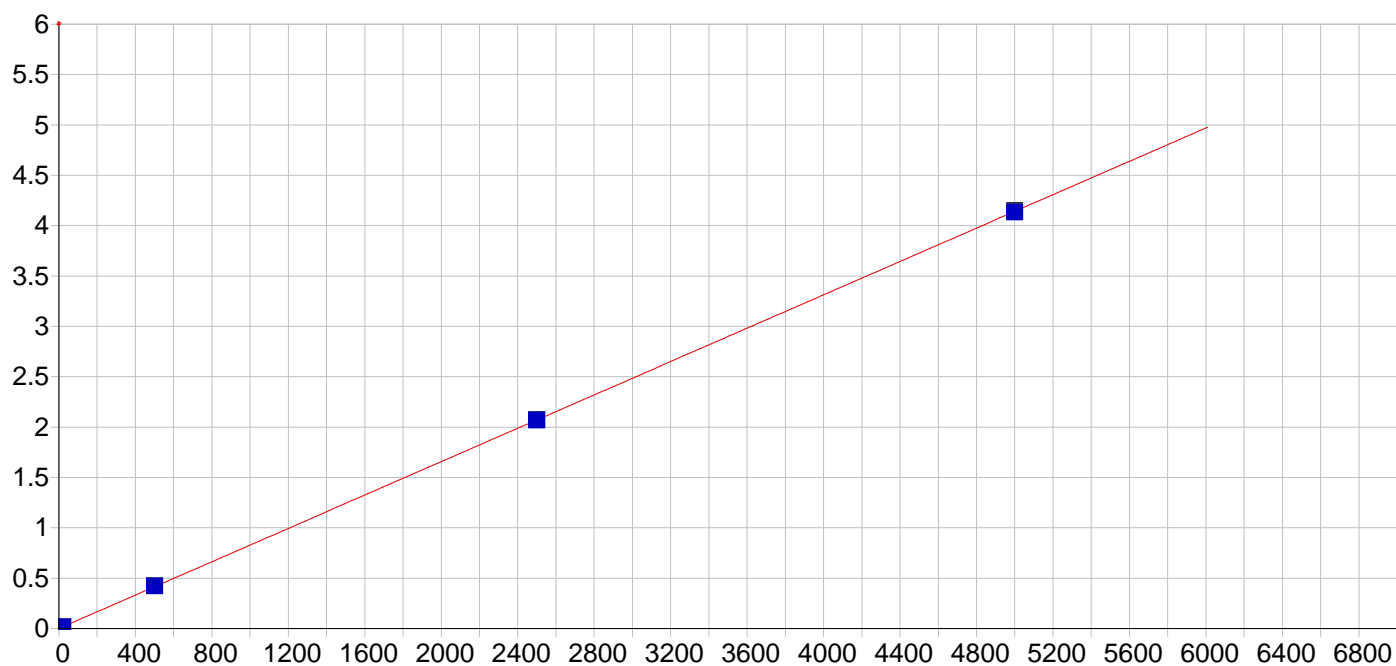
A0 (Offset): -0.000170 Re-Slope: 1.000000
 A1 (Gain): 0.000821 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999824 Status: OK.
 Std Error of Est: 0.000308
 Predicted MDL: 0.258630
 Predicted MQL: 0.862101

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00369		-.004	.000	-.00017	.000	1
CAL2	30.000		31.936		1.94	6.45	.02606	.000	1
CAL3	500.00		529.97		30.0	5.99	.43479	.002	1
CAL4	2500.0		2525.1		25.1	1.00	2.0722	.009	1
CAL5	5000.0		4943.0		-57.0	-1.14	4.0565	.002	1



Predicted MDL: 0.568683
Predicted MQL: 1.895612

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00019		.000	.000	.00140	.000	1
CAL2	50.000		49.833		-.167	-.334	.02311	.000	1
CAL3	200.00		200.17		.170	.085	.09449	.000	1
CAL4	1000.0		997.28		-2.72	-.272	.46530	.001	1
CAL5	2000.0		2002.7		2.71	.135	.93270	.002	1

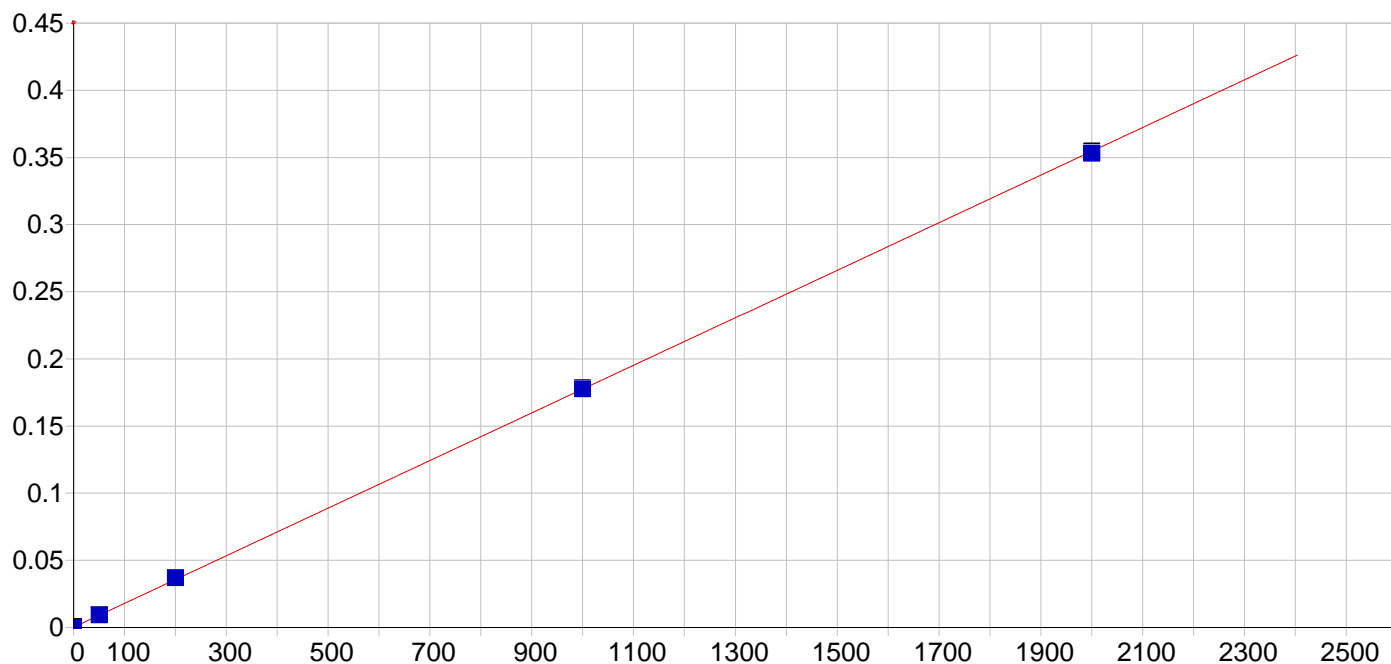


Mo 202.030 {467}

Date of Fit: 4/13/2016 9:54:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000250 Re-Slope: 1.000000
A1 (Gain): 0.000828 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999988 Status: OK.
Std Error of Est: 0.000067
Predicted MDL: 0.263223
Predicted MQL: 0.877411

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00008		.000	.000	.00025	.000	1
CAL2	20.000		19.582		-.418	-2.09	.01647	.000	1
CAL3	500.00		509.35		9.35	1.87	.42198	.002	1
CAL4	2500.0		2499.0		-1.03	-.041	2.0694	.003	1
CAL5	5000.0		4992.1		-7.90	-.158	4.1336	.009	1

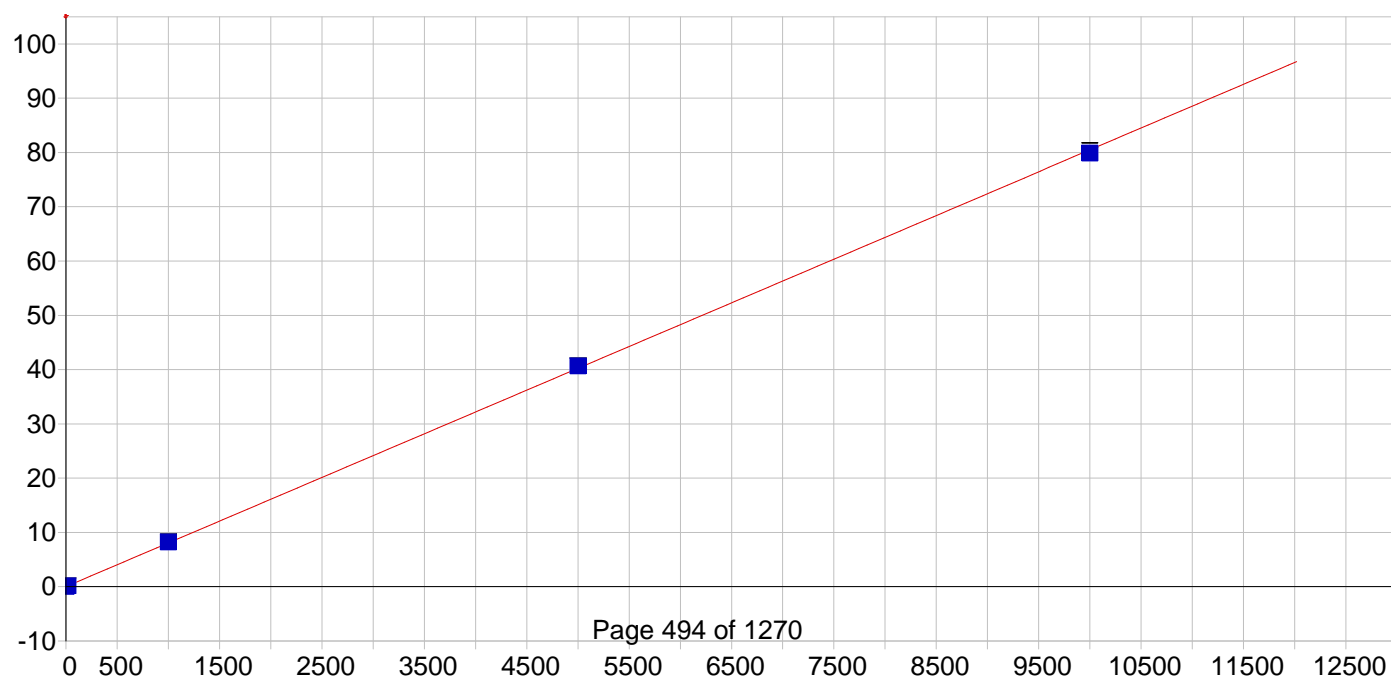


Sn 189.989 {477}

Date of Fit: 4/13/2016 9:54:15 Type of Fit: Linear Weighting: 1/Conc

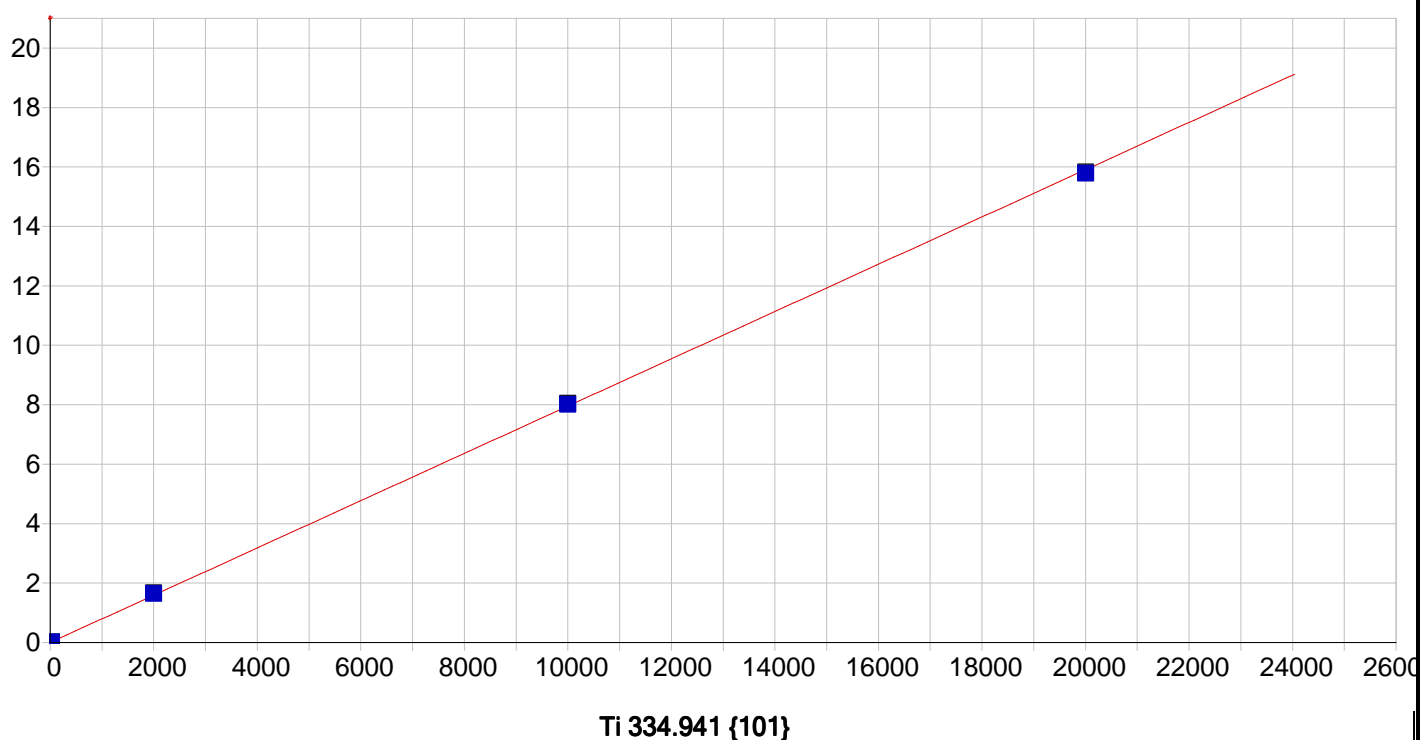
A0 (Offset): 0.000333 Re-Slope: 1.000000
 A1 (Gain): 0.000177 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999956 Status: OK.
 Std Error of Est: 0.000027
 Predicted MDL: 0.914242
 Predicted MQL: 3.047472

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-0.00243		-0.002	.000	.00033	.000	1
CAL2	50.000		50.905		.905	1.81	.00935	.000	1
CAL3	200.00		206.75		6.75	3.37	.03700	.000	1
CAL4	1000.0		1001.2		1.22	.122	.17792	.000	1
CAL5	2000.0		1991.1		-8.87	-4.43	.35350	.001	1



Predicted MDL: 0.100173
 Predicted MQL: 0.333911

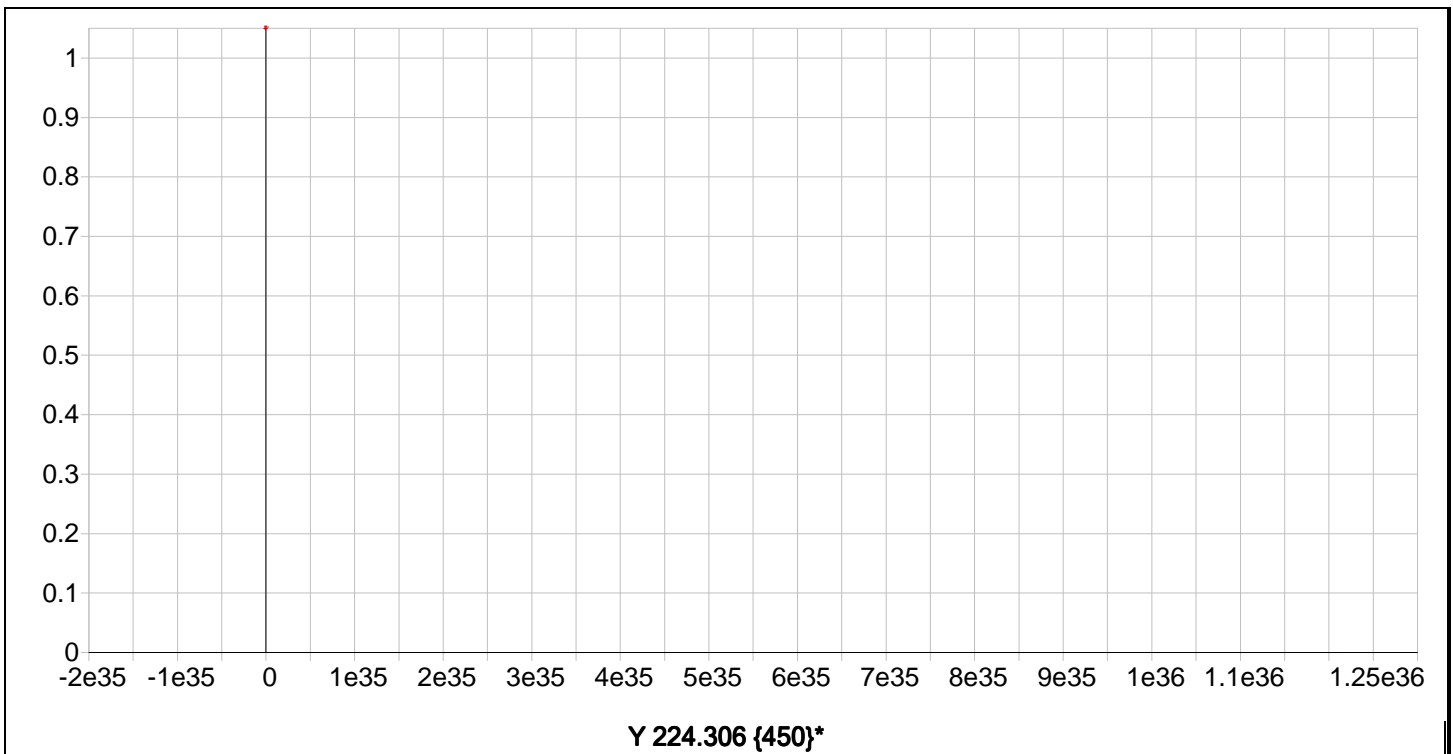
Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00132		-.001	.000	-.00283	.001	1
CAL2	20.000		20.797		.797	3.98	.16477	.000	1
CAL3	1000.0		1023.4		23.4	2.34	8.2368	.028	1
CAL4	5000.0		5052.2		52.2	1.04	40.675	.035	1
CAL5	10000.		9923.7		-76.3	-.763	79.899	.445	1



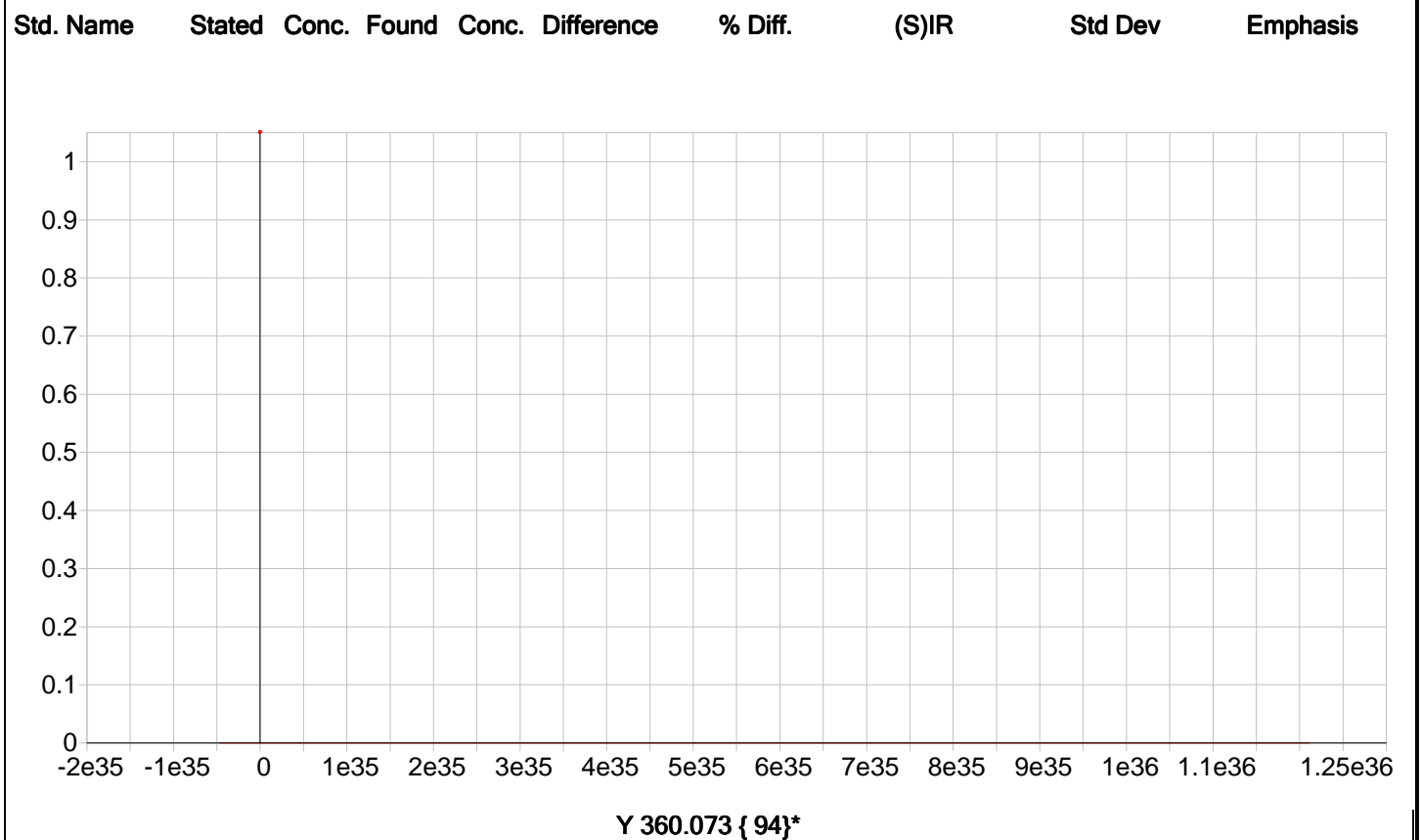
Date of Fit: 4/13/2016 9:54:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000523 Re-Slope: 1.000000
 A1 (Gain): 0.000795 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999925 Status: OK.
 Std Error of Est: 0.000318
 Predicted MDL: 0.196241
 Predicted MQL: 0.654136

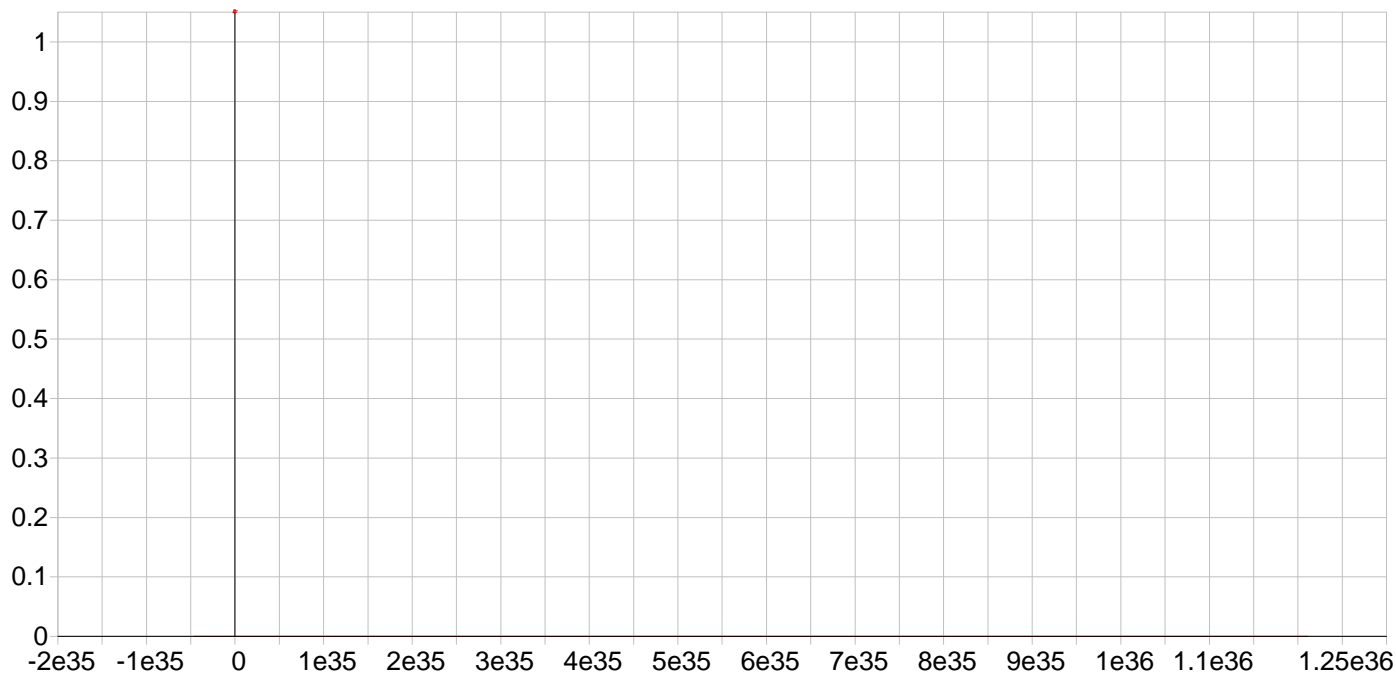
Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00159		-.002	.000	.00052	.000	1
CAL2	20.000		20.824		.824	4.12	.01709	.000	1
CAL3	2000.0		2076.6		76.6	3.83	1.6523	.003	1
CAL4	10000.		10078.		77.9	.779	8.0168	.028	1
CAL5	20000.		19845.		-155.	-.777	15.786	.034	1



Date of Fit:	4/13/2016 9:54:15	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				



Date of Fit:	4/13/2016 9:54:15	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: 4/13/2016 9:54:15

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000000

Re-Slope: 1.000000

A1 (Gain): 0.000000

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.000000

Status:

Warning

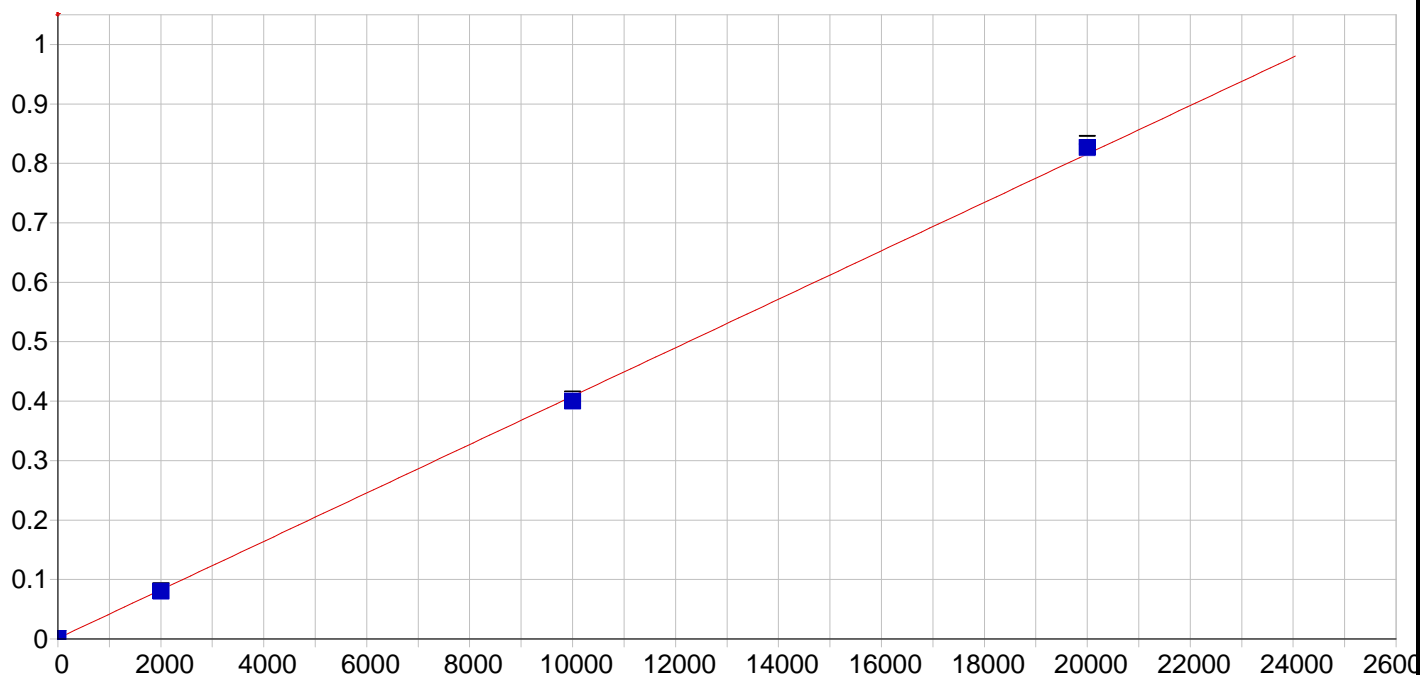
Zero Gain

Std Error of Est: 192.759705

Predicted MDL: n/a

Predicted MQL: n/a

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

Date of Fit: 4/13/2016 9:54:15

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.001186

Re-Slope: 1.000000

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.07562		.076	.000	.00119	.001	1
CAL5	20000.		20265.		265.	1.33	.82534	.007	1
CAL3	2000.0		1938.6		-61.4	-3.07	.08002	.001	1
CAL4	10000.		9796.2		-204.	-2.04	.39956	.003	1

Sample Name: ICIS Cal Blk Acquired: 4/12/2016 11:05:13 Type: Cal
Method: sw04052016(v3) 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	-0.0001	-0.0005	-0.0004	.0000	.0004	-0.0002
Stddev	.0006	.0002	.0000	.0002	.0002	.0001
%RSD	654.5	33.44	10.82	403.5	42.60	47.93

#1	-0.0008	-0.0003	-0.0003	-0.0000	.0002	-0.0001
#2	.0000	-0.0006	-0.0004	-0.0001	.0005	-0.0003
#3	.0005	-0.0004	-0.0004	.0003	.0005	-0.0003

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	-0.0014	-0.0005	.0000	.0034	.0001	.0012
Stddev	.0002	.0002	.0001	.0001	.0001	.0027
%RSD	17.52	38.37	374.9	2.458	38.90	230.8

#1	-0.0016	-0.0003	-0.0001	.0035	.0002	.0043
#2	-0.0014	-0.0006	.0000	.0033	.0002	-0.0000
#3	-0.0011	-0.0006	.0001	.0034	.0001	-0.0007

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	-0.0000	.0002	.0013	-0.0002	.0010	.0002
Stddev	.0000	.0001	.0010	.0004	.0004	.0001
%RSD	85.82	36.80	76.46	198.1	37.59	72.44

#1	-0.0000	.0002	.0012	.0002	.0015	.0003
#2	-0.0000	.0003	.0004	-0.0006	.0008	.0001
#3	-0.0001	.0002	.0024	-0.0003	.0009	.0001

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0005	-0.0013	.0000	-0.0002	.0014	.0003
Stddev	.0001	.0002	.0000	.0001	.0002	.0001
%RSD	14.51	12.01	210.4	69.27	14.72	36.98

#1	.0005	-0.0013	-0.0000	-0.0003	.0013	.0002
#2	.0006	-0.0011	.0000	-0.0002	.0016	.0004
#3	.0004	-0.0014	.0000	-0.0000	.0012	.0002

Sample Name: ICIS Cal Blk Acquired: 4/12/2016 11:05:13 Type: Cal
Method: sw04052016(v3) 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	-.0028	.0005	.0012
Stddev	.0001	.0007	.0002	.0006
%RSD	30.01	23.82	30.17	53.06

#1	.0003	-.0032	.0006	.0010
#2	.0004	-.0021	.0003	.0007
#3	.0002	-.0032	.0006	.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	2901.1	37594.	6045.5
Stddev	2.5	140.	26.5
%RSD	.08470	.37221	.43877

#1	2902.7	37482.	6023.8
#2	2902.3	37751.	6075.1
#3	2898.2	37550.	6037.7

Sample Name: CAL1 Acquired: 4/12/2016 11:09:15 Type: Cal
Method: sw04052016(v3) 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	.0022	.0017	.0008	.0000
Stddev	.0001	.0002	.0002	.0000	.0002
%RSD	108.9	9.678	12.91	3.301	816.4

#1	.0000	.0020	.0016	.0008	.0001
#2	-.0002	.0022	.0016	.0008	-.0002
#3	-.0001	.0025	.0020	.0009	.0002

Int. Std.	Y_2243
Line	224.306 {450}
Units	Cts/S
Avg	2897.5
Stddev	2.0
%RSD	.06767

#1	2898.5
#2	2898.7
#3	2895.2

Sample Name: CAL2 Acquired: 4/12/2016 11:13:20 Type: Cal
Method: sw04052016(v3) 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	.0007	.0017	.4559	.0064	.1013
Stddev	.0005	.0000	.0001	.0002	.0000	.0002
%RSD	7.647	5.526	3.405	.0452	.7706	.1952

#1	.0067	.0007	.0017	.4557	.0064	.1011
#2	.0064	.0008	.0017	.4560	.0063	.1014
#3	.0074	.0007	.0016	.4561	.0063	.1014

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	.0108	.0571	.0012	.0129	.0010	.3068
Stddev	.0002	.0002	.0001	.0002	.0000	.0009
%RSD	2.173	.4209	5.998	1.413	3.580	.3085

#1	.0107	.0569	.0013	.0128	.0011	.3058
#2	.0105	.0573	.0012	.0129	.0010	.3077
#3	.0110	.0573	.0011	.0131	.0010	.3068

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.0811	.0156	1.062	.0287	.0036	.0033
Stddev	.0001	.0000	.001	.0006	.0005	.0001
%RSD	.1372	.2690	.0689	2.049	14.73	2.005

#1	.0811	.0156	1.062	.0283	.0030	.0032
#2	.0810	.0155	1.063	.0294	.0038	.0033
#3	.0812	.0156	1.062	.0285	.0040	.0033

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	.0013	.0109	.0261	.0231	.0165
Stddev	.0002	.0000	.0001	.0001	.0002	.0001
%RSD	13.87	2.528	.5216	.4350	.8677	.7802

#1	.0015	.0013	.0108	.0259	.0229	.0165
#2	.0020	.0013	.0109	.0261	.0233	.0163
#3	.0018	.0014	.0109	.0261	.0232	.0166

Sample Name: CAL2 Acquired: 4/12/2016 11:13:20 Type: Cal
Method: sw04052016(v3) 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	.0093	.1648	.0171
Stddev	.0000	.0001	.0001
%RSD	.2980	.0876	.4905

#1	.0094	.1649	.0170
#2	.0093	.1648	.0171
#3	.0093	.1646	.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	2876.0	37297.	6109.9
Stddev	4.5	106.	44.1
%RSD	.15531	.28339	.72244

#1	2880.2	37181.	6158.8
#2	2871.3	37324.	6073.1
#3	2876.4	37387.	6097.8

Sample Name: CAL4 Acquired: 4/12/2016 11:21:07 Type: Cal
Method: sw04052016(v3) 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	4.114	.1917	.2664	22.12	3.120	2.513
Stddev	.002	.0003	.0003	.02	.004	.011
%RSD	.0594	.1623	.1186	.0918	.1218	.4518

#1	4.117	.1920	.2662	22.10	3.121	2.525
#2	4.112	.1914	.2663	22.14	3.116	2.504
#3	4.114	.1916	.2668	22.11	3.123	2.508

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	3.721	2.760	.6006	4.840	.5694	3.112
Stddev	.004	.004	.0024	.010	.0009	.005
%RSD	.1095	.1264	.3951	.2046	.1639	.1611

#1	3.725	2.760	.6032	4.830	.5698	3.117
#2	3.722	2.764	.5986	4.841	.5683	3.108
#3	3.717	2.757	.6000	4.849	.5700	3.110

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	2.058	4.849	26.84	1.710	1.643	.1481
Stddev	.006	.017	.04	.002	.003	.0005
%RSD	.3086	.3552	.1413	.1249	.1615	.3407

#1	2.065	4.867	26.86	1.708	1.646	.1476
#2	2.052	4.833	26.86	1.712	1.643	.1485
#3	2.056	4.846	26.80	1.709	1.641	.1484

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	.1528	.2956	.5272	2.072	.4653	2.069
Stddev	.0005	.0011	.0009	.009	.0009	.003
%RSD	.2985	.3602	.1714	.4154	.1950	.1435

#1	.1523	.2943	.5283	2.080	.4646	2.066
#2	.1531	.2963	.5265	2.074	.4650	2.071
#3	.1531	.2960	.5269	2.063	.4663	2.071

Sample Name: CAL4 Acquired: 4/12/2016 11:21:07 Type: Cal
Method: sw04052016(v3) 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	.1779	40.68	8.017	.3996
Stddev	.0003	.04	.028	.0031
%RSD	.1734	.0870	.3488	.7821

#1	.1783	40.71	8.005	.4014
#2	.1778	40.64	7.997	.3960
#3	.1776	40.67	8.049	.4013

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2715.1	35414.	5956.4
Stddev	11.4	275.	61.4
%RSD	.41845	.77560	1.0300

#1	2703.6	35100.	5941.9
#2	2715.6	35608.	5903.7
#3	2726.3	35534.	6023.8

Sample Name: CAL3 Acquired: 4/12/2016 11:17:20 Type: Cal
Method: sw04052016(v3) 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	.8328	.0384	.0532	4.538	.6437	.5083
Stddev	.0022	.0001	.0003	.014	.0022	.0004
%RSD	.2690	.2364	.5608	.2993	.3478	.0809

#1	.8304	.0384	.0528	4.527	.6416	.5078
#2	.8332	.0383	.0534	4.534	.6435	.5084
#3	.8348	.0385	.0533	4.553	.6460	.5086

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	.7757	.5749	.1245	.9629	.1192	.6208
Stddev	.0019	.0013	.0003	.0017	.0002	.0002
%RSD	.2386	.2346	.2268	.1766	.2058	.0320

#1	.7736	.5734	.1247	.9611	.1190	.6210
#2	.7771	.5757	.1242	.9632	.1192	.6206
#3	.7764	.5757	.1246	.9644	.1194	.6207

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.4090	1.007	5.330	.3574	.3424	.0302
Stddev	.0002	.001	.022	.0011	.0012	.0002
%RSD	.0468	.0674	.4193	.3031	.3622	.6963

#1	.4092	1.007	5.312	.3561	.3411	.0301
#2	.4088	1.007	5.324	.3578	.3436	.0304
#3	.4089	1.006	5.355	.3581	.3424	.0300

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	.0310	.0615	.1079	.4348	.0945	.4220
Stddev	.0002	.0001	.0003	.0015	.0002	.0017
%RSD	.5914	.1078	.2388	.3459	.2310	.4040

#1	.0309	.0615	.1076	.4346	.0943	.4202
#2	.0309	.0616	.1081	.4364	.0947	.4221
#3	.0312	.0615	.1079	.4334	.0945	.4236

Sample Name: CAL3 Acquired: 4/12/2016 11:17:20 Type: Cal
Method: sw04052016(v3) 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	.0370	8.237	1.652	.0800
Stddev	.0002	.028	.003	.0008
%RSD	.4933	.3446	.1597	.9662

#1	.0368	8.214	1.651	.0798
#2	.0370	8.228	1.655	.0794
#3	.0372	8.269	1.651	.0809

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2851.1	36865.	6075.1
Stddev	4.9	151.	20.6
%RSD	.17283	.40883	.33971

#1	2855.0	36739.	6091.7
#2	2845.6	36824.	6052.0
#3	2852.8	37032.	6081.6

Sample Name: icb Acquired: 4/12/2016 11:32:55 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.450	.9117	-.2507	.1468	.0131	6.089
Stddev	9.736	.6858	.4525	.1081	.0983	18.40
%RSD	282.2	75.22	180.5	73.67	752.4	302.3
#1	-.3934	.3624	-.4186	.2696	-.0876	-6.299
#2	4.392	1.680	-.5951	.0663	.1089	-2.670
#3	-14.35	.6923	.2617	.1044	.0179	27.24

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0780	.0382	.7378	1.468	5.938	17.13
Stddev	.0364	.1262	1.302	2.140	23.10	39.90
%RSD	46.67	330.4	176.5	145.8	389.1	233.0
#1	-.1190	.1617	.3274	.3368	-10.88	58.28
#2	-.0495	-.0906	-.3101	.1310	-3.587	14.50
#3	-.0654	.0434	2.196	3.936	32.28	-21.40

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	17.41	.6753	19.53	-.1542	-.3501	1.579
Stddev	23.37	.9269	3.00	.1148	1.334	.722
%RSD	134.2	137.3	15.34	74.49	381.0	45.73
#1	8.353	.2108	20.54	-.2480	-.1289	1.457
#2	-.0733	.0725	21.88	-.0261	.8595	.9256
#3	43.95	1.743	16.15	-.1885	-1.781	2.354

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

Sample Name: icb Acquired: 4/12/2016 11:32:55 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .6823	.6702	.2955	-.0424	2.498	1.853
Stddev	2.107	1.813	.6196	.1988	.159	.736
%RSD	308.8	270.5	209.7	468.9	6.368	39.70
#1	-2.960	-1.414	-.3128	-.2452	2.562	2.659
#2	-.2841	1.883	.2734	.1521	2.317	1.679
#3	1.197	1.542	.9258	-.0341	2.616	1.219

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6087	.2260	1.775	3.416
Stddev	.2428	.0323	1.793	9.272
%RSD	39.88	14.29	101.0	271.4
#1	.7634	.2409	1.011	.3140
#2	.3289	.1889	.4898	13.84
#3	.7337	.2481	3.823	-3.907

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	2877.2	37040.	6080.4
Stddev	16.2	261.	108.5
%RSD	.56252	.70545	1.7851
#1	2894.1	37340.	6157.8
#2	2875.5	36915.	6127.2
#3	2861.9	36865.	5956.4

Sample Name: CAL5 Acquired: 4/12/2016 11:24:55 Type: Cal
Method: sw04052016(v3) 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	8.237	.3925	.5397	43.50	6.197	4.970
Stddev	.020	.0008	.0005	.13	.010	.009
%RSD	.2444	.2131	.0964	.2963	.1634	.1886

#1	8.217	.3934	.5391	43.61	6.188	4.966
#2	8.237	.3924	.5401	43.53	6.193	4.963
#3	8.257	.3917	.5400	43.36	6.208	4.981

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	7.345	5.456	1.187	9.684	1.112	6.334
Stddev	.012	.008	.002	.060	.002	.007
%RSD	.1675	.1384	.1643	.6240	.2134	.1116

#1	7.355	5.463	1.187	9.738	1.109	6.334
#2	7.350	5.458	1.189	9.619	1.112	6.326
#3	7.331	5.448	1.186	9.696	1.114	6.341

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	4.104	9.384	53.71	3.362	3.235	.3017
Stddev	.006	.015	.58	.009	.012	.0002
%RSD	.1451	.1584	1.084	.2758	.3795	.0703

#1	4.110	9.393	53.16	3.369	3.246	.3019
#2	4.102	9.367	53.65	3.366	3.236	.3015
#3	4.099	9.392	54.32	3.352	3.222	.3016

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	.3107	.5757	1.041	4.056	.9327	4.134
Stddev	.0007	.0010	.002	.002	.0021	.009
%RSD	.2179	.1754	.1401	.0431	.2228	.2170

#1	.3111	.5760	1.042	4.055	.9332	4.138
#2	.3111	.5746	1.039	4.056	.9345	4.140
#3	.3100	.5766	1.041	4.058	.9304	4.123

Sample Name: CAL5 Acquired: 4/12/2016 11:24:55 Type: Cal
Method: sw04052016(v3) 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	.3535	79.90	15.79	.8253
Stddev	.0011	.44	.03	.0072
%RSD	.3031	.5567	.2181	.8741

#1	.3546	80.41	15.82	.8335
#2	.3534	79.61	15.78	.8200
#3	.3524	79.67	15.75	.8225

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2587.2	34461.	5932.4
Stddev	11.8	57.	30.1
%RSD	.45552	.16528	.50785

#1	2573.9	34400.	5962.5
#2	2591.4	34471.	5932.5
#3	2596.3	34513.	5902.2

Sample Name: icsab 4305092 Acquired: 4/12/2016 11:45:25 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	527500.	99.74	107.2	103.3	100.5	518300.
Stddev	1337.	2.22	.8	.6	.2	2054.
%RSD	.2534	2.228	.7389	.5900	.1510	.3963
#1	528700.	102.1	106.3	103.9	100.7	519700.
#2	526000.	97.66	107.7	102.7	100.5	519200.
#3	527800.	99.47	107.7	103.4	100.4	516000.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	99.09	96.60	98.22	105.1	204300.	10340.
Stddev	.61	.54	.50	.4	621.	5.
%RSD	.6183	.5628	.5110	.4271	.3040	.0473
#1	99.78	97.17	98.79	105.5	203700.	10340.
#2	98.60	96.53	97.88	104.7	204900.	10350.
#3	98.90	96.09	97.97	105.2	204300.	10340.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	522600.	107.1	10510.	91.12	87.90	100.8
Stddev	3384.	.4	32.	.45	2.66	3.2
%RSD	.6474	.3877	.3043	.4984	3.025	3.152
#1	519500.	107.1	10540.	91.46	90.66	101.7
#2	526200.	106.7	10490.	90.60	87.71	97.31
#3	522100.	107.5	10490.	91.30	85.35	103.5

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

Sample Name: icsab 4305092 Acquired: 4/12/2016 11:45:25 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	95.28	98.39	86.91	96.00	94.12	99.03
Stddev	6.85	.08	.75	.96	1.89	.84
%RSD	7.193	.0782	.8609	1.005	2.007	.8475
#1	89.83	98.44	87.44	96.69	93.91	99.56
#2	93.03	98.42	87.24	94.90	96.10	98.06
#3	103.0	98.30	86.06	96.42	92.34	99.47

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	102.0	101.8	103.9	86.85
Stddev	2.3	.3	.3	21.65
%RSD	2.284	.3398	.2522	24.92
#1	100.8	102.1	104.2	105.3
#2	100.5	101.5	103.9	63.02
#3	104.7	101.8	103.6	92.25

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2616.2	33873.	5943.6
Stddev	2.4	86.	26.3
%RSD	.09323	.25390	.44224
#1	2613.9	33920.	5925.4
#2	2615.9	33774.	5973.7
#3	2618.8	33926.	5931.6

Sample Name: icv 4237635 Acquired: 4/12/2016 11:29:08 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127400.	2534.	1257.	10240.	1018.	127400.
Stddev	558.	8.	.	7.	2.	707.
%RSD	.4376	.3065	.0373	.0694	.2001	.5553

#1	126800.	2531.	1257.	10230.	1016.	127900.
#2	127700.	2528.	1257.	10250.	1020.	127700.
#3	127800.	2543.	1258.	10240.	1019.	126600.

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	1279.	2553.	5064.	12680.	102500.	50290.
Stddev	1.	.	21.	37.	356.	191.
%RSD	.0699	.0155	.4176	.2897	.3475	.3793

#1	1280.	2553.	5083.	12650.	102700.	50080.
#2	1278.	2552.	5068.	12670.	102600.	50350.
#3	1279.	2553.	5041.	12720.	102100.	50440.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126900.	5166.	127000.	2555.	7611.	1006.
Stddev	428.	17.	415.	1.	12.	5.
%RSD	.3371	.3358	.3266	.0506	.1603	.5229

#1	127200.	5176.	126600.	2553.	7624.	1002.
#2	127100.	5177.	127200.	2556.	7599.	1004.
#3	126400.	5146.	127300.	2556.	7609.	1012.

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

Sample Name: icv 4237635 Acquired: 4/12/2016 11:29:08 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2533.	2607.	2558.	2571.	1018.	2546.
Stddev	11.	13.	2.	10.	1.	3.
%RSD	.4180	.4889	.0883	.4077	.0707	.1103

#1	2530.	2614.	2559.	2583.	1017.	2544.
#2	2524.	2592.	2560.	2566.	1018.	2545.
#3	2545.	2614.	2556.	2565.	1018.	2549.

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	1020.	5141.	10300.	9895.
Stddev	4.	25.	32.	145.
%RSD	.4156	.4936	.3114	1.461

#1	1024.	5117.	10300.	9837.
#2	1016.	5138.	10270.	9789.
#3	1020.	5167.	10330.	10060.

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	2695.3	35153.	5865.4
Stddev	17.7	416.	102.6
%RSD	.65595	1.1832	1.7487

#1	2674.9	34806.	5797.3
#2	2705.5	35039.	5815.5
#3	2705.5	35614.	5983.3

Sample Name: int-10b 4140674 Acquired: 4/12/2016 11:53:39 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41.09	15.13	-1.460	.7905	-.0344	-12.69
Stddev	4.64	3.33	.544	.0647	.0430	6.80
%RSD	11.28	22.03	37.27	8.183	125.2	53.58

#1	45.34	11.49	-1.675	.8591	-.0828	-19.64
#2	41.78	15.89	-.8410	.7306	-.0005	-12.40
#3	36.15	18.03	-1.863	.7818	-.0199	-6.043

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4141	-.3763	9399.	8842.	-46.40	19.62
Stddev	.0608	.2840	29.	26.	8.21	22.73
%RSD	14.67	75.48	.3136	.2907	17.70	115.8

#1	-.3441	-.5955	9404.	8832.	-55.75	-4.777
#2	-.4453	-.0554	9426.	8871.	-43.05	40.21
#3	-.4529	-.4781	9368.	8823.	-40.39	23.44

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	65.66	9461.	10.82	9779.	-12.14	-33.19
Stddev	2.04	13.	3.76	24.	.39	2.78
%RSD	3.102	.1422	34.80	.2405	3.210	8.374

#1	66.09	9460.	9.967	9797.	-12.48	-30.57
#2	67.44	9475.	7.549	9786.	-11.71	-36.10
#3	63.44	9448.	14.93	9752.	-12.23	-32.89

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

Sample Name: int-10b 4140674 Acquired: 4/12/2016 11:53:39 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.612	3.724	8.932	2.344	-26.95	4585.
Stddev	1.220	1.034	.705	.104	.84	5.
%RSD	16.03	27.76	7.897	4.447	3.128	.0996
#1	-6.483	4.611	8.329	2.465	-26.55	4582.
#2	-8.906	2.589	9.708	2.284	-26.38	4590.
#3	-7.446	3.973	8.760	2.285	-27.92	4583.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.9311	.3173	9173.	-11.32
Stddev	.4527	.0920	16.	15.54
%RSD	48.62	29.01	.1797	137.3
#1	1.452	.3579	9155.	-26.66
#2	.6302	.3820	9188.	4.418
#3	.7114	.2119	9175.	-11.71

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2842.6	37054.	6038.5
Stddev	16.4	229.	19.4
%RSD	.57861	.61877	.32173
#1	2827.7	36823.	6017.4
#2	2839.9	37059.	6055.7
#3	2860.3	37281.	6042.3

Sample Name: 460-111734-B-4-B@4 Acquired: 4/12/2016 12:05:34 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36830.	11.07	1.102	317.2	1.789	34880.
Stddev	260.	2.65	.268	1.2	.038	90.
%RSD	.7047	23.93	24.32	.3756	2.109	.2566

#1	36540.	13.94	1.280	318.6	1.833	34840.
#2	36970.	10.56	.7940	316.6	1.770	34980.
#3	37000.	8.712	1.233	316.4	1.765	34810.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3293	25.84	98.77	169.0	65680.	4284.
Stddev	.1579	.13	1.11	.4	219.	37.
%RSD	47.95	.5050	1.128	.2339	.3329	.8685

#1	-.5109	25.91	99.48	168.6	65460.	4243.
#2	-.2523	25.69	99.35	169.4	65900.	4294.
#3	-.2247	25.91	97.49	168.9	65680.	4315.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14350.	1090.	686.2	59.01	649.3	1.747
Stddev	48.	3.	3.3	.43	4.9	1.013
%RSD	.3323	.2431	.4820	.7325	.7522	57.99

#1	14330.	1089.	690.1	59.47	654.5	2.530
#2	14410.	1093.	684.6	58.96	648.4	.6029
#3	14320.	1088.	684.1	58.61	644.9	2.108

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

Sample Name: 460-111734-B-4-B@4 Acquired: 4/12/2016 12:05:34 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.581	.4016	102.0	525.7	7.976	4.799
Stddev	.881	1.126	.5	1.2	.221	.366
%RSD	55.74	280.5	.4497	.2361	2.765	7.622
#1	1.920	.9091	101.5	527.0	7.898	5.091
#2	.5809	1.185	102.2	524.6	8.225	4.389
#3	2.243	-.8892	102.3	525.3	7.805	4.916

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	38.15	146.0	1871.	1184.
Stddev	.46	.8	4.	28.
%RSD	1.195	.5428	.2152	2.335
#1	38.26	145.2	1867.	1152.
#2	38.55	146.1	1872.	1195.
#3	37.65	146.8	1875.	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	2993.9	38711.	6472.4
Stddev	18.2	185.	22.4
%RSD	.60737	.47727	.34685
#1	2974.3	38566.	6460.1
#2	2997.3	38649.	6458.8
#3	3010.2	38919.	6498.3

Sample Name: icvl 4079378 Acquired: 4/12/2016 11:37:03 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	202.1	14.81	9.715	210.4	2.012	5147.
Stddev	9.2	1.79	.348	.9	.197	36.
%RSD	4.527	12.07	3.579	.4239	9.768	.7046

#1	211.0	12.97	9.325	209.6	2.142	5106.
#2	192.7	14.92	9.994	211.4	2.108	5173.
#3	202.7	16.54	9.825	210.2	1.786	5162.

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	4.167	53.11	10.94	24.84	144.7	4863.
Stddev	.130	.50	.16	.29	8.3	22.
%RSD	3.108	.9375	1.421	1.168	5.746	.4467

#1	4.295	52.54	10.97	24.93	148.0	4879.
#2	4.172	53.37	10.77	24.51	150.9	4839.
#3	4.036	53.42	11.08	25.06	135.3	4872.

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	5012.	16.29	4995.	43.30	11.67	20.72
Stddev	13.	.14	7.	.21	1.92	.57
%RSD	.2664	.8369	.1386	.4850	16.47	2.750

#1	5000.	16.15	4993.	43.10	13.88	21.32
#2	5026.	16.31	5002.	43.52	10.78	20.18
#3	5010.	16.42	4989.	43.29	10.36	20.65

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

Sample Name: icvl 4079378 Acquired: 4/12/2016 11:37:03 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.58	22.58	51.64	31.97	51.63	20.46
Stddev	.41	.72	.40	.26	.57	.28
%RSD	2.092	3.171	.7749	.8159	1.100	1.373
#1	19.63	22.68	51.93	31.68	52.07	20.47
#2	19.97	21.81	51.80	32.04	51.82	20.18
#3	19.15	23.23	51.18	32.18	50.99	20.74

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	51.37	20.86	21.15	F 28.28
Stddev	.95	.17	.15	9.22
%RSD	1.842	.7912	.7275	32.60
#1	51.43	20.99	21.05	17.87
#2	50.40	20.90	21.06	31.55
#3	52.29	20.67	21.32	35.42

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2875.3	36952.	6042.6
Stddev	8.9	170.	75.8
%RSD	.30949	.46037	1.2552
#1	2885.5	37135.	5957.2
#2	2868.7	36923.	6068.8
#3	2871.8	36799.	6102.0

Sample Name: 460-111614-A-2-B@4 Acquired: 4/12/2016 12:09:29 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	59100.	30.08	1.513	136.1	2.744	2900.
Stddev	100.	2.00	.145	.3	.014	4.
%RSD	.1692	6.646	9.596	.2203	.5058	.1460

#1	59080.	28.82	1.390	135.8	2.748	2896.
#2	59000.	29.04	1.476	136.4	2.729	2900.
#3	59200.	32.39	1.673	136.1	2.755	2904.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.130	27.26	135.6	49.62	126600.	5561.
Stddev	.198	.31	.5	.20	170.	25.
%RSD	9.289	1.153	.3337	.4057	.1341	.4492

#1	-1.924	27.41	136.1	49.74	126600.	5565.
#2	-2.319	26.89	135.2	49.72	126700.	5584.
#3	-2.146	27.46	135.7	49.38	126400.	5534.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8197.	1456.	49.90	54.33	132.2	1.364
Stddev	17.	3.	3.73	.32	.7	1.043
%RSD	.2081	.2367	7.477	.5938	.5330	76.44

#1	8178.	1453.	53.18	54.66	131.9	.6335
#2	8205.	1460.	45.84	54.29	133.0	.9005
#3	8209.	1456.	50.69	54.02	131.6	2.558

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

Sample Name: 460-111614-A-2-B@4 Acquired: 4/12/2016 12:09:29 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.137	-.5753	135.6	172.8	24.58	2.761
Stddev	.980	1.448	.3	.3	.61	.172
%RSD	45.85	251.7	.2194	.1822	2.474	6.246
#1	3.027	-1.877	135.7	173.1	24.20	2.852
#2	2.298	.9847	135.2	172.5	24.26	2.562
#3	1.087	-.8340	135.8	172.7	25.29	2.869

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.375	18.32	470.3	1341.
Stddev	.498	.09	.6	12.
%RSD	20.96	.4649	.1213	.9245
#1	2.674	18.38	470.5	1334.
#2	2.650	18.35	469.7	1356.
#3	1.800	18.22	470.8	1334.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3026.2	39380.	6548.6
Stddev	7.8	149.	23.9
%RSD	.25720	.37845	.36524
#1	3017.5	39360.	6531.8
#2	3028.8	39241.	6538.1
#3	3032.4	39537.	6576.0

Sample Name: CCV Acquired: 4/12/2016 12:21:12 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125100.	2433.	1238.	9856.	1006.	123300.
Stddev	500.	16.	11.	76.	2.	758.
%RSD	.4001	.6459	.8783	.7750	.1736	.6152

#1	125400.	2439.	1248.	9917.	1007.	123800.
#2	124500.	2444.	1238.	9881.	1004.	123600.
#3	125400.	2415.	1226.	9770.	1007.	122400.

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	1237.	2477.	4926.	12370.	101500.	49410.
Stddev	9.	17.	37.	93.	625.	50.
%RSD	.7055	.6780	.7445	.7547	.6155	.1011

#1	1243.	2489.	4954.	12450.	102100.	49430.
#2	1241.	2483.	4940.	12390.	101600.	49350.
#3	1227.	2457.	4884.	12260.	100800.	49450.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122200.	5016.	122800.	2460.	7261.	978.8
Stddev	849.	29.	294.	21.	60.	4.3
%RSD	.6952	.5777	.2390	.8675	.8294	.4407

#1	122800.	5040.	123100.	2477.	7307.	981.2
#2	122400.	5024.	122700.	2466.	7283.	981.5
#3	121200.	4984.	122500.	2436.	7193.	973.9

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

Sample Name: CCV Acquired: 4/12/2016 12:21:12 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2438.	2514.	2482.	2507.	968.0	2456.
Stddev	26.	17.	14.	13.	8.0	18.
%RSD	1.084	.6872	.5621	.5293	.8293	.7504

#1	2444.	2530.	2491.	2515.	974.6	2470.
#2	2462.	2518.	2488.	2514.	970.4	2464.
#3	2409.	2496.	2466.	2492.	959.1	2435.

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	983.0	5046.	9996.	9727.
Stddev	10.3	7.	89.	48.
%RSD	1.046	.1382	.8887	.4946

#1	990.8	5052.	10040.	9751.
#2	986.9	5038.	10060.	9759.
#3	971.4	5047.	9894.	9672.

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	2838.0	36865.	6251.9
Stddev	16.4	129.	20.7
%RSD	.57778	.34856	.33157

#1	2826.2	36718.	6271.4
#2	2831.1	36918.	6254.2
#3	2856.8	36958.	6230.1

Sample Name: CCVL Acquired: 4/12/2016 12:29:11 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	207.8	15.45	9.691	201.6	1.977	4989.
Stddev	17.6	1.01	.372	1.6	.107	47.
%RSD	8.478	6.560	3.838	.7830	5.409	.9357

#1	208.3	15.19	9.346	202.3	2.007	5007.
#2	190.0	14.59	10.08	202.8	2.066	5023.
#3	225.2	16.57	9.643	199.8	1.858	4936.

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	4.122	51.27	10.35	24.21	160.0	4823.
Stddev	.109	.52	.62	.36	5.7	49.
%RSD	2.655	1.020	5.983	1.480	3.589	1.010

#1	4.201	51.41	11.05	24.53	166.4	4866.
#2	4.168	51.71	10.17	24.28	155.2	4832.
#3	3.997	50.69	9.852	23.82	158.5	4770.

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	4797.	15.78	4800.	42.05	9.211	19.66
Stddev	39.	.14	35.	.72	1.057	.56
%RSD	.8088	.8755	.7216	1.705	11.47	2.840

#1	4808.	15.93	4836.	42.65	10.43	19.97
#2	4830.	15.74	4797.	42.25	8.617	19.98
#3	4754.	15.67	4767.	41.26	8.584	19.01

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

Sample Name: CCVL Acquired: 4/12/2016 12:29:11 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.66	22.77	49.97	31.64	48.18	19.31
Stddev	.82	.48	.71	.23	.81	.22
%RSD	4.160	2.122	1.411	.7220	1.682	1.138
#1	19.43	23.31	50.15	31.80	48.17	19.45
#2	18.98	22.59	50.57	31.74	49.00	19.42
#3	20.56	22.40	49.20	31.38	47.38	19.06

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	50.04	20.61	20.56	F 9.172
Stddev	.71	.11	.20	7.369
%RSD	1.415	.5362	.9955	80.34
#1	50.33	20.73	20.54	.8390
#2	50.56	20.56	20.77	14.83
#3	49.23	20.53	20.36	11.85

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	2989.9	38251.	6176.5
Stddev	21.6	338.	72.5
%RSD	.72171	.88369	1.1743
#1	2971.6	38040.	6093.0
#2	2984.3	38072.	6212.9
#3	3013.7	38641.	6223.6

Sample Name: 460-111840-B-11-C@4 Acquired: 4/12/2016 12:33:15 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54400.	53.22	1.609	330.6	2.813	159900.
Stddev	79.	1.94	.483	.6	.033	238.
%RSD	.1447	3.652	30.00	.1772	1.186	.1486

#1	54320.	52.13	1.684	330.6	2.829	160200.
#2	54480.	52.08	2.050	331.2	2.835	159800.
#3	54390.	55.47	1.093	330.1	2.774	159800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0970	27.77	222.8	533.0	94680.	6282.
Stddev	.0954	.18	1.4	2.1	76.	15.
%RSD	98.39	.6366	.6333	.3997	.0799	.2353

#1	.0719	27.68	223.7	535.5	94760.	6289.
#2	.2024	27.65	223.5	531.8	94630.	6293.
#3	.0166	27.97	221.2	531.7	94630.	6265.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15320.	773.4	4681.	99.36	398.3	3.424
Stddev	40.	1.0	10.	1.36	2.5	.920
%RSD	.2641	.1315	.2044	1.370	.6246	26.86

#1	15350.	774.5	4673.	98.19	396.1	4.456
#2	15330.	772.6	4692.	100.9	401.0	3.125
#3	15270.	773.1	4679.	99.05	397.7	2.691

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

Sample Name: 460-111840-B-11-C@4 Acquired: 4/12/2016 12:33:15 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.090	-.5867	220.4	871.8	69.82	8.940
Stddev	1.156	1.973	.6	1.9	.94	.392
%RSD	55.32	336.3	.2843	.2196	1.346	4.386
#1	3.278	-2.760	220.0	870.0	69.13	8.490
#2	.9686	1.092	220.0	873.8	69.43	9.203
#3	2.023	-.0929	221.1	871.7	70.89	9.128

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	50.42	531.0	1690.	1718.
Stddev	.48	1.0	4.	16.
%RSD	.9567	.1939	.2148	.9189
#1	50.74	530.0	1694.	1726.
#2	49.86	532.0	1690.	1700.
#3	50.65	531.0	1687.	1729.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3024.5	39172.	6643.2
Stddev	8.7	222.	79.5
%RSD	.28746	.56596	1.1969
#1	3015.9	38926.	6566.1
#2	3024.2	39357.	6638.6
#3	3033.3	39233.	6724.9

Sample Name: 460-111841-A-4-B@4 Acquired: 4/12/2016 12:41:09 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13710.	5.724	.5137	132.5	.8207	51880.
Stddev	23.	1.011	.3590	.3	.0564	123.
%RSD	.1707	17.66	69.89	.2354	6.867	.2377

#1	13690.	4.623	.3935	132.7	.8725	51940.
#2	13740.	5.936	.9174	132.7	.8289	51960.
#3	13710.	6.611	.2302	132.2	.7607	51740.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3211	8.824	28.21	41.21	25390.	3264.
Stddev	.0576	.093	.63	.36	39.	20.
%RSD	17.93	1.051	2.238	.8769	.1521	.6143

#1	-.3756	8.795	27.75	41.41	25410.	3248.
#2	-.2609	8.928	27.95	41.44	25420.	3258.
#3	-.3266	8.750	28.93	40.80	25350.	3286.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7136.	648.7	4415.	21.38	19.08	-.2149
Stddev	15.	.3	4.	.56	.64	1.237
%RSD	.2077	.0535	.0922	2.604	3.333	575.9

#1	7126.	648.6	4410.	22.02	18.44	.8512
#2	7153.	649.0	4416.	21.14	19.08	-1.572
#3	7130.	648.3	4418.	20.99	19.71	.0761

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

Sample Name: 460-111841-A-4-B@4 Acquired: 4/12/2016 12:41:09 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3904	.1638	24.62	142.8	18.53	1.373
Stddev	1.909	.9118	.08	1.0	.39	.032
%RSD	489.0	556.5	.3441	.6952	2.113	2.358
#1	1.712	.8115	24.58	143.6	18.34	1.396
#2	-2.017	-.8789	24.57	143.2	18.98	1.336
#3	-.8661	.5589	24.72	141.7	18.26	1.387

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.831	280.3	450.4	1739.
Stddev	1.085	.7	.3	9.
%RSD	18.60	.2319	.0724	.5430
#1	7.056	279.7	450.5	1740.
#2	5.445	281.0	450.8	1748.
#3	4.992	280.2	450.1	1729.

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

Int. Std.	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	38375.	6317.6
Stddev	9.7	178.	54.7
%RSD	.32835	.46348	.86638
#1	2950.9	38213.	6278.9
#2	2961.2	38347.	6293.6
#3	2970.3	38565.	6380.2

Sample Name: 460-111841-B-10-C@4 Acquired: 4/12/2016 12:49:08 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25010.	9.677	.6077	247.2	1.389	94900.
Stddev	346.	1.900	.3367	.5	.015	237.
%RSD	1.383	19.63	55.40	.1946	1.056	.2502

#1	24690.	10.78	.6853	246.6	1.399	94960.
#2	24950.	10.76	.2390	247.6	1.397	94640.
#3	25380.	7.483	.8988	247.3	1.373	95110.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7703	16.97	53.91	47.53	46350.	4580.
Stddev	.1367	.14	.57	.17	73.	33.
%RSD	17.74	.8081	1.062	.3509	.1580	.7141

#1	-.9277	17.11	54.13	47.37	46400.	4543.
#2	-.6819	16.83	53.25	47.70	46390.	4593.
#3	-.7012	16.96	54.33	47.52	46270.	4605.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16800.	1565.	2591.	42.25	16.14	-.1836
Stddev	37.	5.	17.	.29	1.02	.7979
%RSD	.2220	.3446	.6679	.6960	6.296	434.7

#1	16790.	1560.	2571.	41.95	17.31	-.9215
#2	16760.	1564.	2602.	42.54	15.61	.6632
#3	16830.	1571.	2599.	42.25	15.50	-.2924

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

Sample Name: 460-111841-B-10-C@4 Acquired: 4/12/2016 12:49:08 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .4493	- .0278	45.57	216.5	35.92	.5509
Stddev	1.734	1.007	.26	1.4	.27	.2142
%RSD	385.8	3619.	.5656	.6490	.7470	38.88
#1	.1564	-.9741	45.54	215.0	36.19	.3046
#2	-2.404	1.031	45.84	217.7	35.92	.6545
#3	.9001	-.1404	45.33	216.9	35.66	.6937

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.699	431.3	797.6	1856.
Stddev	.384	4.6	5.1	38.
%RSD	14.22	1.056	.6397	2.051
#1	2.806	426.7	791.9	1813.
#2	3.019	431.4	798.8	1868.
#3	2.273	435.8	801.9	1887.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2949.0	37898.	6267.0
Stddev	18.0	258.	39.4
%RSD	.61109	.68088	.62798
#1	2930.4	37613.	6221.6
#2	2950.2	37966.	6292.2
#3	2966.4	38116.	6287.1

Sample Name: icsa 4305090 Acquired: 4/12/2016 11:41:05 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	493800.	-.7333	-.0396	-.5555	-.0503	486100.
Stddev	591.	.3696	.4735	.3000	.0280	1599.
%RSD	.1196	50.40	1195.	54.00	55.66	.3290

#1	494400.	-.9927	-.5580	-.4566	-.0720	488000.
#2	493700.	-.8971	.3702	-.3174	-.0602	485200.
#3	493200.	-.3101	.0689	-.8924	-.0187	485200.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1508	-3.514	-1.720	-4.400	191500.	-95.37
Stddev	.1003	.054	.649	.139	777.	22.69
%RSD	66.51	1.526	37.70	3.147	.4057	23.79

#1	-.2663	-3.575	-1.074	-4.425	192200.	-112.8
#2	-.1001	-3.478	-1.716	-4.251	191700.	-69.72
#3	-.0860	-3.487	-2.371	-4.525	190700.	-103.6

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	489100.	3.180	-48.92	-8.116	-3.060	-2.028
Stddev	4386.	.151	4.54	.821	3.056	3.811
%RSD	.8967	4.752	9.276	10.12	99.89	188.0

#1	490500.	3.328	-54.10	-8.368	.4196	-2.370
#2	492600.	3.026	-45.66	-7.198	-5.310	1.943
#3	484200.	3.187	-47.00	-8.781	-4.288	-5.657

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

Sample Name: icsa 4305090 Acquired: 4/12/2016 11:41:05 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.273	-.5431	-15.49	-2.183	-8.004	-.6380
Stddev	5.600	1.091	.30	.310	.475	.5478
%RSD	246.4	200.9	1.942	14.19	5.940	85.85
#1	-0.0381	-1.784	-15.81	-2.513	-7.567	-.2011
#2	-8.645	.2659	-15.21	-2.139	-8.510	-.4604
#3	1.864	-.1110	-15.45	-1.897	-7.935	-1.253

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.518	-1.547	-2.025	24.11
Stddev	1.914	.091	.183	4.52
%RSD	42.35	5.910	9.016	18.76
#1	5.017	-1.442	-1.914	28.87
#2	2.405	-1.589	-2.236	19.87
#3	6.134	-1.610	-1.926	23.58

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2642.2	34096.	5942.7
Stddev	7.0	76.	26.7
%RSD	.26426	.22261	.44955
#1	2634.4	34027.	5914.3
#2	2644.4	34177.	5967.4
#3	2647.9	34082.	5946.2

Sample Name: int-10a 4140672 Acquired: 4/12/2016 11:49:31 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.464	1.467	3.668	8.234	4.379	-2.552
Stddev	20.84	.664	.999	.076	.038	9.965
%RSD	846.1	45.29	27.22	.9190	.8697	390.5
#1	21.33	1.608	4.264	8.274	4.422	8.895
#2	-11.23	.7433	4.223	8.147	4.350	-7.260
#3	-17.49	2.049	2.515	8.281	4.365	-9.291

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.607	9986.	.3121	-1.514	-125.1	25.04
Stddev	.089	28.	.5542	.183	13.1	22.87
%RSD	5.511	.2794	177.6	12.12	10.49	91.36
#1	-1.698	10010.	.1140	-1.561	-133.5	6.786
#2	-1.601	9987.	-.1159	-1.669	-131.8	17.63
#3	-1.521	9958.	.9380	-1.311	-110.0	50.70

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.11	-1.1885	-3.163	2.531	-16.23	-22.42
Stddev	10.91	.0363	.892	.211	1.34	1.11
%RSD	57.12	19.28	28.19	8.343	8.259	4.964
#1	31.71	-.1476	-3.117	2.735	-17.19	-21.58
#2	12.66	-.2170	-2.296	2.544	-14.70	-23.69
#3	12.96	-.2010	-4.077	2.313	-16.80	-22.01

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

Sample Name: int-10a 4140672 Acquired: 4/12/2016 11:49:31 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.694	-26.68	F 9614.	-.0449	-6.247	-3.518
Stddev	1.912	2.16	12.	.0815	.577	.099
%RSD	112.9	8.102	.1218	181.3	9.231	2.813
#1	3.899	-27.48	9623.	-.0469	-6.516	-3.416
#2	.4959	-28.33	9601.	.0375	-5.585	-3.524
#3	.6869	-24.24	9619.	-.1254	-6.640	-3.614
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	9592.	9661.	-.8205	8860.
Stddev	30.	89.	.0999	38.
%RSD	.3095	.9184	12.18	.4326
#1	9625.	9719.	-.8801	8825.
#2	9584.	9559.	-.7052	8901.
#3	9567.	9704.	-.8763	8855.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2914.8	37787.	6162.2
Stddev	24.8	256.	90.3
%RSD	.85073	.67880	1.4655
#1	2888.0	37574.	6087.5
#2	2936.9	38072.	6262.6
#3	2919.6	37714.	6136.7

Sample Name: 460-111840-A-6-B@5 Acquired: 4/12/2016 13:09:12 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	242.5	2.007	-.0305	122.7	-.1057	45170.
Stddev	19.1	.985	.1774	.2	.0220	85.
%RSD	7.895	49.08	581.7	.1622	20.79	.1885

#1	222.1	2.619	.0195	123.0	-.1250	45170.
#2	260.1	.8708	.1165	122.6	-.0818	45090.
#3	245.2	2.532	-.2276	122.6	-.1103	45260.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3869	3.997	1.761	7.443	92.35	1392.
Stddev	.1244	.114	.380	.318	5.35	1.
%RSD	32.16	2.845	21.54	4.272	5.790	.0663

#1	.2732	3.886	1.444	7.802	93.24	1391.
#2	.3677	4.114	2.181	7.330	97.20	1393.
#3	.5197	3.991	1.659	7.197	86.61	1391.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3598.	253.7	F 277600.	6.925	2.770	.2963
Stddev	5.	.4	1015.	.458	.171	.7617
%RSD	.1430	.1573	.3658	6.615	6.168	257.1

#1	3594.	254.0	276400.	6.445	2.898	-.5828
#2	3604.	253.2	278300.	6.973	2.576	.7103
#3	3595.	253.8	278000.	7.358	2.835	.7613

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

Sample Name: 460-111840-A-6-B@5 Acquired: 4/12/2016 13:09:12 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .7644	.4884	1.086	40.49	18.56	- .2025
Stddev	1.198	.4476	.286	.15	.28	.1606
%RSD	156.7	91.64	26.37	.3698	1.519	79.30
#1	- .2324	.6510	1.220	40.65	18.77	- .2955
#2	.0752	- .0177	1.280	40.47	18.24	- .0171
#3	- 2.136	.8320	.7570	40.35	18.66	- .2949

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.334	176.3	5.371	1212.
Stddev	1.044	.5	.229	17.
%RSD	78.30	.2580	4.255	1.408
#1	1.723	176.8	5.374	1229.
#2	2.127	175.9	5.599	1213.
#3	.1506	176.1	5.142	1195.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2872.1	36555.	6013.0
Stddev	11.1	33.	57.4
%RSD	.38612	.08956	.95454
#1	2859.6	36551.	6066.1
#2	2880.7	36589.	6020.7
#3	2876.0	36524.	5952.1

Sample Name: CCB Acquired: 4/12/2016 13:17:12 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.224	1.775	-.0538	.1701	-.1064	11.60
Stddev	5.432	2.164	.1042	.2207	.0512	5.50
%RSD	244.2	121.9	193.7	129.8	48.14	47.44

#1	-3.924	4.234	.0657	.4220	-.1653	15.95
#2	6.370	.9277	-.1253	.0112	-.0817	5.414
#3	4.227	.1623	-.1018	.0770	-.0722	13.45

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0815	-.0203	.6074	.6519	-4.985	2.961
Stddev	.0284	.0897	.2130	.1361	8.015	11.31
%RSD	34.85	441.0	35.08	20.87	160.8	381.9

#1	.1046	.0528	.7622	.7834	-5.628	-9.794
#2	.0498	.0066	.6955	.6606	-12.66	6.916
#3	.0902	-.1204	.3644	.5116	3.332	11.76

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8861	.1460	27.14	-.0634	.3840	1.222
Stddev	2.144	.0820	11.47	.2899	.6054	.471
%RSD	242.0	56.15	42.28	457.0	157.7	38.58

#1	.7438	.2328	40.33	.1424	.0877	1.763
#2	3.098	.1354	21.59	-.3949	1.080	.9975
#3	-1.184	.0699	19.49	.0622	-.0163	.9040

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

Sample Name: CCB Acquired: 4/12/2016 13:17:12 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0153	-.1993	-.1673	.1064	1.129	.9510
Stddev	2.254	1.514	.3795	.0750	.640	.5680
%RSD	14700.	759.8	226.8	70.49	56.72	59.73
#1	1.960	.3222	.2414	.1342	1.836	1.566
#2	.5417	.9851	-.2349	.1636	.9608	.8406
#3	-2.456	-1.905	-.5085	.0215	.5890	.4463

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.018	.1180	.4598	28.78
Stddev	.384	.1364	.0916	14.21
%RSD	37.68	115.6	19.92	49.39
#1	1.246	.2743	.5234	37.70
#2	.5753	.0558	.5010	36.25
#3	1.233	.0237	.3548	12.39

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	3006.4	38547.	6195.5
Stddev	7.8	109.	27.0
%RSD	.26090	.28291	.43551
#1	2997.6	38422.	6222.3
#2	3012.6	38610.	6168.4
#3	3009.1	38611.	6195.7

Sample Name: 460-111783-B-2-A@4 Acquired: 4/12/2016 11:57:39 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	64810.	20.88	.5865	405.0	3.636	5093.
Stddev	187.	1.27	.3468	1.2	.042	35.
%RSD	.2883	6.064	59.13	.2929	1.155	.6942

#1	64630.	21.38	.1916	405.5	3.592	5094.
#2	65000.	21.81	.7266	403.6	3.675	5127.
#3	64810.	19.43	.8414	405.8	3.642	5057.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.200	28.88	86.93	38.90	77690.	3245.
Stddev	.074	.13	1.00	.30	74.	32.
%RSD	6.130	.4579	1.150	.7655	.0946	.9888

#1	-1.141	28.79	87.93	39.20	77640.	3258.
#2	-1.176	29.04	85.93	38.89	77650.	3268.
#3	-1.283	28.83	86.93	38.61	77770.	3208.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8173.	1726.	409.9	42.97	60.88	.5405
Stddev	6.	2.	4.7	.22	1.80	1.381
%RSD	.0681	.0930	1.135	.5149	2.961	255.5

#1	8171.	1728.	408.1	43.20	62.65	.5525
#2	8179.	1726.	406.3	42.95	60.94	-.8467
#3	8169.	1725.	415.1	42.76	59.04	1.916

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

Sample Name: 460-111783-B-2-A@4 Acquired: 4/12/2016 11:57:39 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6769	-1.413	128.6	215.2	6.148	5.071
Stddev	2.972	1.247	.5	2.0	.452	1.567
%RSD	439.1	88.19	.4122	.9357	7.346	30.90
#1	1.428	-1.499	129.2	217.3	5.746	6.876
#2	3.201	-2.615	128.1	215.0	6.637	4.286
#3	-2.599	-.1262	128.5	213.3	6.062	4.053

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.678	67.99	1104.	1507.
Stddev	.158	.27	1.	35.
%RSD	3.371	.3920	.1003	2.333
#1	4.596	68.06	1103.	1547.
#2	4.578	68.22	1105.	1482.
#3	4.860	67.70	1103.	1492.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3132.1	40533.	6707.0
Stddev	31.4	72.	71.4
%RSD	1.0018	.17858	1.0647
#1	3099.2	40471.	6731.9
#2	3161.7	40515.	6626.5
#3	3135.3	40612.	6762.6

Sample Name: 460-111734-B-3-G@4 Acquired: 4/12/2016 12:01:37 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34480.	17.11	.6517	338.3	1.655	70100.
Stddev	7.	1.38	.2682	.8	.026	277.
%RSD	.0209	8.061	41.15	.2383	1.555	.3953

#1	34480.	15.60	.5151	337.4	1.630	69780.
#2	34490.	18.30	.9607	338.7	1.681	70270.
#3	34480.	17.42	.4794	338.8	1.653	70250.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1230	25.61	89.55	229.7	70040.	4018.
Stddev	.1026	.17	1.55	1.4	121.	46.
%RSD	83.43	.6589	1.727	.6093	.1733	1.156

#1	-.2063	25.56	87.78	228.1	69920.	3965.
#2	-.1543	25.48	90.64	230.3	70040.	4050.
#3	-.0084	25.80	90.22	230.6	70170.	4040.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31840.	1157.	722.8	63.02	874.2	.7427
Stddev	195.	4.	10.3	.81	5.4	2.532
%RSD	.6131	.3580	1.424	1.279	.6194	340.9

#1	31620.	1153.	714.8	62.26	868.0	1.728
#2	31910.	1159.	734.4	62.92	876.6	2.634
#3	31990.	1160.	719.1	63.87	878.0	-2.134

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

Sample Name: 460-111734-B-3-G@4 Acquired: 4/12/2016 12:01:37 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.412	-8980	99.07	659.7	6.836	9.407
Stddev	2.256	1.664	.06	2.0	.229	.268
%RSD	159.8	185.3	.0609	.2999	3.354	2.851
#1	1.188	.8013	99.02	657.9	7.069	9.569
#2	3.772	-2.524	99.05	659.3	6.611	9.554
#3	-.7239	-.9718	99.14	661.8	6.829	9.097

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	39.73	163.4	1816.	1226.
Stddev	.68	.3	4.	4.
%RSD	1.702	.1843	.2185	.2975
#1	38.98	163.1	1812.	1222.
#2	40.30	163.7	1818.	1228.
#3	39.90	163.5	1819.	1228.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2954.0	38302.	6377.7
Stddev	2.9	70.	3.6
%RSD	.09675	.18400	.05615
#1	2956.2	38266.	6378.5
#2	2955.1	38257.	6373.8
#3	2950.8	38383.	6380.9

Sample Name: 460-111840-C-1-C@4 Acquired: 4/12/2016 12:13:24 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37190.	297.4	1.617	371.4	2.752	119300.
Stddev	312.	1.5	.559	.7	.028	402.
%RSD	.8399	.5100	34.57	.1877	1.024	.3372
#1	36930.	298.2	1.137	370.6	2.770	118800.
#2	37540.	298.4	1.484	372.0	2.720	119600.
#3	37110.	295.7	2.231	371.4	2.768	119400.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1475	38.05	299.6	7334.	101700.	3765.
Stddev	.0259	.16	2.2	20.	456.	30.
%RSD	17.55	.4188	.7252	.2785	.4481	.7853
#1	.1178	38.11	297.1	7314.	101200.	3744.
#2	.1648	37.87	301.2	7355.	102200.	3799.
#3	.1600	38.16	300.4	7333.	101700.	3753.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16320.	1142.	2651.	162.7	498.2	1.895
Stddev	53.	2.	12.	.8	1.6	1.078
%RSD	.3271	.2121	.4643	.4804	.3215	56.87
#1	16280.	1140.	2637.	163.2	496.4	1.288
#2	16380.	1144.	2658.	161.8	499.4	3.140
#3	16320.	1143.	2659.	163.0	498.9	1.258

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

Sample Name: 460-111840-C-1-C@4 Acquired: 4/12/2016 12:13:24 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.279	1.193	208.5	755.1	199.7	7.275
Stddev	3.124	2.028	.7	2.9	.8	.203
%RSD	59.18	169.9	.3287	.3879	.4006	2.797
#1	7.928	2.082	208.1	758.3	198.9	7.040
#2	1.834	2.625	209.3	752.6	200.5	7.397
#3	6.075	-1.127	208.2	754.3	199.6	7.387

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	51.83	465.9	2488.	2073.
Stddev	.28	1.8	4.	23.
%RSD	.5330	.3795	.1463	1.129
#1	52.00	464.2	2483.	2099.
#2	51.51	467.8	2490.	2052.
#3	51.98	465.7	2489.	2069.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2945.7	38284.	6405.7
Stddev	23.7	236.	134.6
%RSD	.80486	.61690	2.1009
#1	2922.1	38187.	6528.8
#2	2945.6	38111.	6262.0
#3	2969.5	38553.	6426.4

Sample Name: 460-111840-B-6-C@4 Acquired: 4/12/2016 12:17:16 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27440.	42.12	-.0511	252.4	2.601	28340.
Stddev	132.	1.35	.4183	.6	.129	88.
%RSD	.4814	3.212	819.2	.2190	4.977	.3118

#1	27360.	42.89	.3696	251.8	2.486	28320.
#2	27590.	40.56	-.4668	252.8	2.741	28260.
#3	27370.	42.91	-.0560	252.6	2.575	28430.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8917	33.22	175.4	223.3	83640.	6261.
Stddev	.1256	.25	.0	.7	280.	13.
%RSD	14.09	.7428	.0109	.3110	.3348	.2000

#1	-.9940	33.05	175.4	224.1	83680.	6274.
#2	-.7515	33.11	175.4	222.9	83340.	6249.
#3	-.9297	33.50	175.5	222.8	83890.	6259.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14570.	729.3	1988.	69.27	109.9	.7746
Stddev	45.	1.4	5.	.66	3.0	.7907
%RSD	.3093	.1911	.2565	.9533	2.728	102.1

#1	14570.	728.3	1988.	68.68	107.6	1.650
#2	14520.	728.6	1994.	69.15	108.8	.1121
#3	14610.	730.9	1984.	69.99	113.3	.5618

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

Sample Name: 460-111840-B-6-C@4 Acquired: 4/12/2016 12:17:16 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.100	-1.053	151.4	278.9	21.03	7.147
Stddev	3.224	.525	.8	.4	.87	.381
%RSD	153.5	49.87	.5114	.1467	4.147	5.328
#1	-0.6578	-0.4536	151.5	278.6	20.77	6.745
#2	5.645	-1.271	150.5	279.3	22.00	7.195
#3	1.313	-1.433	152.0	278.6	20.31	7.502

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10.96	135.2	2477.	990.1
Stddev	.34	.3	3.	19.7
%RSD	3.080	.2550	.1204	1.990
#1	10.76	134.9	2474.	1008.
#2	10.77	135.6	2480.	993.1
#3	11.35	135.1	2477.	969.1

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	3137.0	40772.	6755.6
Stddev	14.0	61.	31.4
%RSD	.44667	.14988	.46505
#1	3125.3	40702.	6756.8
#2	3133.1	40804.	6723.6
#3	3152.5	40811.	6786.4

Sample Name: CCB Acquired: 4/12/2016 12:25:01 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.375	.3877	-.1906	.1180	-.0609	4.986
Stddev	2.738	.4325	.0903	.0987	.0908	4.913
%RSD	81.12	111.6	47.40	83.63	149.3	98.54
#1	6.537	-.0204	-.1930	.2307	-.0061	5.115
#2	1.820	.8410	-.2797	.0470	-.0108	.0093
#3	1.769	.3424	-.0991	.0763	-.1657	9.833

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0175	-.0353	.0301	.1363	-6.305	3.566
Stddev	.0736	.2522	.6128	.1356	2.469	14.13
%RSD	421.3	715.4	2034.	99.48	39.16	396.2
#1	-.0053	.0874	-.0125	-.0139	-8.905	18.43
#2	-.0420	.1322	.6631	.2497	-3.991	-9.687
#3	.0998	-.3254	-.5602	.1733	-6.019	1.954

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.781	.0036	4.060	.2548	.2997	1.178
Stddev	3.692	.0583	4.211	.2049	1.863	1.556
%RSD	207.3	1621.	103.7	80.41	621.6	132.1
#1	-1.894	.0587	8.804	.3319	-.3625	-.5994
#2	-5.416	-.0574	2.613	.4099	-1.142	2.293
#3	1.965	.0095	.7626	.0226	2.404	1.840

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

Sample Name: CCB Acquired: 4/12/2016 12:25:01 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6229	1.173	-.0850	.0274	.6248	.9405
Stddev	2.449	.650	.1967	.2343	.3087	.3231
%RSD	393.1	55.40	231.3	854.4	49.41	34.35
#1	-.0019	.9852	-.2204	.1716	.9365	1.289
#2	-3.322	.6382	.1406	-.2429	.3192	.8810
#3	1.456	1.897	-.1753	.1536	.6187	.6512

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7572	.0312	.2586	8.588
Stddev	.3293	.0569	.1380	6.531
%RSD	43.48	182.5	53.37	76.05
#1	.7306	.0548	.3877	6.764
#2	.4421	.0724	.1132	3.162
#3	1.099	-.0337	.2748	15.84

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	3004.2	38331.	6169.0
Stddev	10.6	225.	18.7
%RSD	.35346	.58642	.30263
#1	2993.8	38336.	6184.3
#2	3015.1	38553.	6148.2
#3	3003.7	38104.	6174.6

Sample Name: 460-111841-A-1-B@4 Acquired: 4/12/2016 12:37:10 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29120.	13.47	.4142	1146.	2.088	51360.
Stddev	132.	1.85	.2834	4.	.055	261.
%RSD	.4546	13.72	68.42	.3666	2.612	.5090

#1	29160.	11.90	.7325	1151.	2.043	51140.
#2	29220.	15.51	.3213	1144.	2.149	51280.
#3	28970.	13.00	.1890	1143.	2.073	51650.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5691	25.26	74.64	85.70	62070.	4169.
Stddev	.0211	.26	.50	.27	184.	14.
%RSD	3.711	1.020	.6711	.3205	.2956	.3420

#1	-.5516	25.25	74.13	85.99	62090.	4183.
#2	-.5632	25.01	74.66	85.69	61880.	4154.
#3	-.5926	25.52	75.14	85.44	62240.	4171.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9768.	2783.	1612.	66.66	158.9	2.205
Stddev	29.	5.	3.	.31	1.5	.941
%RSD	.2977	.1803	.1579	.4589	.9646	42.68

#1	9755.	2781.	1611.	67.00	159.0	1.181
#2	9748.	2779.	1615.	66.56	157.3	3.032
#3	9802.	2788.	1611.	66.41	160.3	2.404

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

Sample Name: 460-111841-A-1-B@4 Acquired: 4/12/2016 12:37:10 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.764	1.242	90.77	207.3	20.30	1.948
Stddev	1.098	1.309	.39	.9	.50	.186
%RSD	62.28	105.4	.4269	.4455	2.451	9.535
#1	.5358	.1187	90.39	207.5	20.76	1.736
#2	2.653	2.679	90.74	206.3	19.77	2.083
#3	2.103	.9270	91.17	208.1	20.37	2.025

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	43.93	183.5	1065.	2035.
Stddev	1.04	.9	2.	38.
%RSD	2.365	.5166	.1447	1.887
#1	44.14	184.1	1067.	2078.
#2	42.81	183.9	1065.	2024.
#3	44.85	182.4	1064.	2004.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3033.8	39465.	6455.7
Stddev	7.9	217.	49.5
%RSD	.26130	.55107	.76743
#1	3029.1	39543.	6510.9
#2	3043.0	39633.	6441.1
#3	3029.4	39219.	6415.1

Sample Name: 460-111841-A-7-B@4 Acquired: 4/12/2016 12:45:08 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14140.	5.504	.4052	152.6	.7972	39990.
Stddev	46.	1.171	.3808	.5	.1210	76.
%RSD	.3283	21.27	93.98	.3371	15.18	.1905

#1	14150.	6.602	.7429	152.4	.9369	40050.
#2	14090.	4.272	-.0075	152.3	.7299	40020.
#3	14180.	5.639	.4802	153.2	.7247	39910.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4028	9.677	27.08	34.22	27080.	3359.
Stddev	.1145	.129	.31	.20	74.	19.
%RSD	28.41	1.332	1.144	.5744	.2725	.5574

#1	-.3053	9.826	27.41	34.23	27060.	3349.
#2	-.3743	9.598	26.80	34.42	27160.	3347.
#3	-.5288	9.607	27.02	34.03	27020.	3380.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8108.	824.9	4280.	22.12	15.87	1.238
Stddev	38.	.7	15.	.88	.73	2.651
%RSD	.4684	.0846	.3443	3.959	4.611	214.1

#1	8139.	825.6	4267.	21.28	15.03	4.070
#2	8120.	824.3	4277.	23.03	16.32	.8270
#3	8066.	824.6	4296.	22.05	16.27	-1.183

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

Sample Name: 460-111841-A-7-B@4 Acquired: 4/12/2016 12:45:08 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.042	.9930	24.88	109.8	18.58	.4397
Stddev	1.852	1.873	.24	.3	.14	.2983
%RSD	177.8	188.6	.9509	.2399	.7280	67.85
#1	1.174	2.988	24.88	109.8	18.53	.5286
#2	2.824	-.7281	24.64	109.5	18.48	.1070
#3	-.8730	.7192	25.11	110.1	18.73	.6835

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.295	229.0	412.6	1819.
Stddev	.708	1.0	.3	23.
%RSD	30.85	.4400	.0770	1.256
#1	3.057	228.8	412.4	1835.
#2	2.171	228.1	412.5	1793.
#3	1.657	230.1	413.0	1828.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2939.6	38194.	6317.8
Stddev	2.7	201.	2.5
%RSD	.09325	.52604	.03893
#1	2936.7	37971.	6319.9
#2	2942.1	38251.	6318.4
#3	2940.1	38361.	6315.1

Sample Name: 460-111764-B-1-A@4 Acquired: 4/12/2016 12:53:06 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4979.	-4995	.8787	48.85	.0290	F 290100.
Stddev	15.	.1557	.0338	.25	.0927	404.
%RSD	.2971	31.17	3.841	.5207	319.4	.1393
#1	4992.	-.3313	.8647	48.68	.0172	289800.
#2	4983.	-.6385	.9173	49.15	-.0572	290600.
#3	4963.	-.5287	.8543	48.74	.1271	290000.
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	-.7786	2.853	32.08	101.3	68220.	991.2
Stddev	.1163	.413	.23	.5	247.	29.0
%RSD	14.94	14.49	.7217	.5313	.3621	2.930
#1	-.8637	2.560	32.20	101.4	68050.	985.1
#2	-.8260	2.673	31.82	101.8	68500.	965.8
#3	-.6461	3.326	32.24	100.7	68100.	1023.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10570.	412.5	1813.	25.29	1.266	-2.413
Stddev	30.	.6	6.	.34	1.052	3.394
%RSD	.2843	.1457	.3217	1.350	83.10	140.7
#1	10580.	411.8	1820.	25.24	2.479	-.7111
#2	10600.	412.9	1811.	25.65	.6217	-.2063
#3	10540.	412.8	1809.	24.98	.6958	-6.321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111764-B-1-A@4 Acquired: 4/12/2016 12:53:06 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.171	.2184	-.0895	124.9	25.63	3.145
Stddev	2.533	2.258	.0136	.6	.16	.180
%RSD	216.4	1034.	15.18	.4872	.6100	5.725
#1	-1.660	.3072	-.0999	125.1	25.45	3.353
#2	-3.423	-2.083	-.0944	125.5	25.71	3.049
#3	1.572	2.431	-.0741	124.3	25.72	3.033

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.383	222.1	68.00	5986.
Stddev	1.320	1.1	.33	64.
%RSD	39.01	.4901	.4909	1.074
#1	2.401	223.3	67.61	5913.
#2	2.865	221.2	68.19	6008.
#3	4.883	221.9	68.19	6036.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2789.2	36821.	6153.1
Stddev	11.8	83.	29.0
%RSD	.42406	.22537	.47112
#1	2783.6	36813.	6119.7
#2	2781.2	36743.	6171.6
#3	2802.8	36908.	6168.0

Sample Name: MB 460-361875/1-A Acquired: 4/12/2016 12:57:06 Type: QC

Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-11.59	.6824	-.3688	-.2295	-.0448	27.98
Stddev	10.35	2.744	.4259	.1052	.0410	2.30
%RSD	89.32	402.1	115.5	45.86	91.65	8.219

#1	-23.37	1.457	-.3829	-.1831	-.0004	30.42
#2	-3.977	2.956	.0641	-.3500	-.0814	27.69
#3	-7.413	-2.366	-.7874	-.1555	-.0525	25.85

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0356	-.1622	-.0364	4.642	1.983	-7.935
Stddev	.0691	.1349	.4481	.328	10.76	13.35
%RSD	194.2	83.13	1230.	7.066	542.5	168.3

#1	.0352	-.0785	.0186	4.327	14.41	-12.77
#2	-.0333	-.0903	.3816	4.617	-4.000	-18.19
#3	.1049	-.3178	-.5095	4.982	-4.456	7.160

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.547	.0439	38.56	.5065	-1.036	.9243
Stddev	1.861	.0782	3.85	.1700	.727	.8612
%RSD	24.66	178.2	9.995	33.57	70.13	93.18

#1	9.539	.1332	37.26	.4616	-1.668	1.773
#2	7.248	.0110	42.90	.3635	-.2424	.9488
#3	5.854	-.0125	35.53	.6945	-1.197	.0510

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

Sample Name: MB 460-361875/1-A Acquired: 4/12/2016 12:57:06 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.354	1.324	-.3145	1.089	-.0983	-.1929
Stddev	1.725	.974	.2694	.279	.4764	.0674
%RSD	73.27	73.54	85.64	25.58	484.6	34.95
#1	-.9006	1.414	-.6243	1.165	-.6282	-.2683
#2	-4.260	.3082	-.1347	.7806	.0389	-.1385
#3	-1.901	2.249	-.1847	1.322	.2944	-.1718

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6300	.0933	-.1364	94.88
Stddev	.4783	.0200	.1663	44.10
%RSD	75.92	21.45	122.0	46.48
#1	.9143	.1144	-.0446	145.8
#2	.0778	.0745	-.3284	67.74
#3	.8978	.0909	-.0361	71.14

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	3000.5	38555.	6227.1
Stddev	13.1	227.	18.7
%RSD	.43786	.58769	.30102
#1	3000.1	38812.	6208.6
#2	3013.9	38385.	6226.6
#3	2987.6	38468.	6246.0

Sample Name: LCS 460-361875/2-A@2 Acquired: 4/12/2016 13:01:14 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2428.	2253.	237.9	4807.	486.6	9482.
Stddev	17.	7.	1.0	7.	2.0	19.
%RSD	.7186	.3155	.4073	.1539	.4018	.2021

#1	2408.	2261.	239.1	4815.	488.9	9497.
#2	2440.	2249.	237.3	4805.	485.3	9489.
#3	2435.	2248.	237.5	4801.	485.7	9460.

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	503.5	513.1	2366.	476.9	487.6	9241.
Stddev	.7	1.3	10.	1.3	14.8	27.
%RSD	.1415	.2572	.4113	.2627	3.028	.2957

#1	504.3	514.6	2371.	478.3	496.0	9260.
#2	502.9	512.9	2372.	476.1	496.2	9254.
#3	503.3	511.9	2354.	476.2	470.5	9210.

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	9093.	515.1	9206.	512.0	2329.	471.9
Stddev	76.	2.2	29.	1.5	5.	2.0
%RSD	.8353	.4366	.3110	.2986	.1992	.4288

#1	9173.	517.2	9191.	513.6	2334.	473.3
#2	9085.	515.4	9188.	510.6	2325.	469.6
#3	9022.	512.7	9239.	511.8	2328.	472.7

Check ?	None	None	None	Chk Pass	Chk Pass	None
Value						
Range						

Sample Name: LCS 460-361875/2-A@2 Acquired: 4/12/2016 13:01:14 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	471.9	517.7	250.0	522.4	470.6	490.1
Stddev	2.9	1.0	.7	1.6	2.8	1.4
%RSD	.6055	.1917	.2802	.3035	.5960	.2835

#1	475.1	516.9	249.3	522.9	471.4	491.5
#2	471.1	518.8	250.7	520.6	467.5	490.1
#3	469.6	517.4	249.9	523.7	473.0	488.7

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	474.6	493.4	505.8	103.8
Stddev	1.1	.4	1.6	19.4
%RSD	.2229	.0771	.3212	18.72

#1	475.7	493.0	506.8	120.0
#2	474.3	493.8	506.6	109.0
#3	473.7	493.4	503.9	82.27

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	2974.9	38305.	6188.6
Stddev	11.7	177.	3.6
%RSD	.39244	.46102	.05750

#1	2962.7	38106.	6184.6
#2	2985.9	38368.	6190.2
#3	2976.1	38442.	6191.2

Sample Name: 460-111840-A-6-C DU Acquired: 4/12/2016 13:05:01 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {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	1.951	.2784	123.3	-.0219	44920.
Stddev	7.5	1.887	.4410	.8	.0402	275.
%RSD	3.271	96.72	158.4	.6095	183.6	.6113
#1	224.9	3.632	.2498	124.2	-.0384	45180.
#2	226.9	-.0905	.7330	123.0	.0239	44630.
#3	238.8	2.312	-.1476	122.8	-.0512	44940.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3103	4.121	1.921	7.461	90.97	1416.
Stddev	.0978	.103	.741	.102	2.73	39.
%RSD	31.53	2.494	38.55	1.362	3.001	2.732
#1	.3870	4.008	2.360	7.577	88.10	1379.
#2	.2001	4.209	1.066	7.392	93.53	1456.
#3	.3438	4.146	2.338	7.413	91.30	1412.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3601.	253.3	F 281800.	7.284	2.182	-1.100
Stddev	18.	.8	3292.	.286	.789	1.605
%RSD	.4918	.3324	1.168	3.926	36.15	145.8
#1	3620.	254.2	280700.	7.075	1.589	.5575
#2	3585.	252.6	285500.	7.166	3.077	-2.646
#3	3597.	253.2	279200.	7.610	1.880	-1.212

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

Sample Name: 460-111840-A-6-C DU Acquired: 4/12/2016 13:05:01 Type: Unk
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .8326	.2485	.9238	40.66	19.02	.0606
Stddev	2.166	1.414	.2490	.45	.43	.3939
%RSD	260.1	569.1	26.95	1.102	2.266	649.8
#1	1.667	1.604	.6995	41.02	19.38	.3149
#2	-2.154	.3596	1.192	40.80	18.55	.2600
#3	-2.011	-1.218	.8802	40.16	19.15	-.3931

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.101	177.8	5.383	1247.
Stddev	.468	.5	.259	23.
%RSD	42.52	.2643	4.811	1.856
#1	1.303	177.6	5.285	1271.
#2	1.434	178.4	5.677	1225.
#3	.5656	177.6	5.188	1244.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2884.1	37023.	6075.5
Stddev	1.8	230.	24.3
%RSD	.06147	.62228	.40048
#1	2882.1	36832.	6093.0
#2	2885.2	37279.	6085.6
#3	2885.1	36958.	6047.7

Sample Name: CCV Acquired: 4/12/2016 13:13:23 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	128900.	2447.	1252.	9935.	1020.	124700.
Stddev	238.	17.	2.	8.	.	208.
%RSD	.1847	.6832	.1415	.0768	.0405	.1670

#1	128800.	2437.	1250.	9936.	1020.	124500.
#2	129100.	2439.	1253.	9927.	1021.	124900.
#3	128700.	2466.	1252.	9942.	1020.	124800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1250.	2510.	4925.	12410.	103100.	50060.
Stddev	4.	4.	4.	22.	321.	54.
%RSD	.3049	.1421	.0839	.1738	.3113	.1079

#1	1247.	2507.	4920.	12400.	102800.	50000.
#2	1248.	2509.	4928.	12430.	103500.	50110.
#3	1254.	2514.	4926.	12390.	103100.	50070.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122700.	5082.	123200.	2475.	7301.	986.8
Stddev	140.	9.	203.	5.	17.	3.2
%RSD	.1138	.1687	.1645	.1970	.2330	.3218

#1	122600.	5073.	123200.	2472.	7294.	983.5
#2	122700.	5090.	123000.	2472.	7288.	987.1
#3	122800.	5081.	123400.	2480.	7320.	989.8

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

Sample Name: CCV Acquired: 4/12/2016 13:13:23 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2447.	2554.	2515.	2559.	969.6	2479.
Stddev	12.	19.	5.	8.	6.2	5.
%RSD	.4702	.7487	.2065	.3160	.6367	.1902

#1	2443.	2572.	2510.	2552.	965.0	2478.
#2	2437.	2534.	2521.	2557.	967.2	2474.
#3	2460.	2557.	2515.	2568.	976.6	2483.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	993.5	5115.	10170.	9774.
Stddev	2.9	6.	73.	94.
%RSD	.2899	.1158	.7156	.9610

#1	992.3	5108.	10240.	9690.
#2	991.4	5118.	10100.	9758.
#3	996.8	5119.	10170.	9876.

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	2792.6	36137.	5991.5
Stddev	4.5	75.	31.6
%RSD	.16179	.20832	.52758

#1	2791.5	36050.	5956.0
#2	2797.6	36180.	6002.0
#3	2788.7	36182.	6016.5

Sample Name: CCVL Acquired: 4/12/2016 13:21:17 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	218.4	15.44	9.625	203.2	1.967	4959.
Stddev	10.8	.09	.176	.6	.097	15.
%RSD	4.934	.5728	1.829	.3014	4.955	.2987
#1	206.9	15.34	9.423	203.6	2.063	4968.
#2	228.2	15.47	9.751	203.4	1.968	4967.
#3	220.1	15.51	9.700	202.5	1.868	4942.

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	4.205	52.08	9.584	24.54	153.1	4870.
Stddev	.125	.24	.724	.46	6.4	48.
%RSD	2.981	.4557	7.554	1.891	4.156	.9936
#1	4.095	52.20	8.947	25.07	146.4	4901.
#2	4.342	51.81	10.37	24.30	159.1	4895.
#3	4.178	52.23	9.434	24.23	153.7	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	4741.	15.70	4849.	41.80	9.417	19.51
Stddev	23.	.13	34.	.26	1.187	1.51
%RSD	.4862	.8386	.7112	.6143	12.61	7.725
#1	4755.	15.84	4864.	42.09	10.37	18.64
#2	4753.	15.66	4874.	41.71	9.796	21.25
#3	4714.	15.59	4810.	41.60	8.086	18.64

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

Sample Name: CCVL Acquired: 4/12/2016 13:21:17 Type: QC
Method: sw04052016(v3) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.16	22.59	50.78	31.68	48.70	19.73
Stddev	1.76	.97	.23	.30	.57	.13
%RSD	9.176	4.301	.4563	.9550	1.178	.6456
#1	21.16	23.18	50.83	32.00	48.22	19.87
#2	17.85	21.47	50.53	31.63	49.34	19.68
#3	18.47	23.13	50.99	31.40	48.54	19.63

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	50.63	20.87	20.83	F 17.19
Stddev	.69	.15	.13	13.67
%RSD	1.358	.7228	.6145	79.52
#1	50.07	21.04	20.78	3.262
#2	50.42	20.83	20.97	30.59
#3	51.40	20.74	20.73	17.73

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	2992.8	38351.	6191.5
Stddev	7.8	53.	39.1
%RSD	.26165	.13775	.63158
#1	2983.9	38291.	6164.5
#2	2995.7	38371.	6173.7
#3	2998.7	38391.	6236.3

Sample Name: 460-111330-E-8-B@50 Acquired: 4/12/2016 13:34:45 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2560.	7.617	1.655	576.4	.0377	2143.
Stddev	7.	.877	.262	1.5	.0667	13.
%RSD	.2784	11.52	15.80	.2524	176.9	.5890

#1	2563.	8.024	1.521	577.8	.0573	2131.
#2	2565.	8.216	1.957	574.9	.0924	2142.
#3	2552.	6.610	1.488	576.6	-.0366	2156.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.103	3.341	37.15	311.4	25090.	161.8
Stddev	.088	.187	.36	.7	60.	16.5
%RSD	4.183	5.596	.9736	.2365	.2401	10.19

#1	2.204	3.253	37.55	312.1	25040.	169.6
#2	2.045	3.214	37.03	310.6	25160.	142.9
#3	2.060	3.556	36.86	311.4	25080.	173.0

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	669.7	342.6	67.68	18.99	628.6	5.979
Stddev	5.4	1.2	10.06	.76	2.2	1.694
%RSD	.8006	.3358	14.86	4.020	.3546	28.33

#1	670.4	342.2	56.44	18.11	629.6	4.067
#2	664.0	341.6	75.83	19.43	626.1	6.580
#3	674.7	343.9	70.78	19.43	630.2	7.290

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

Sample Name: 460-111330-E-8-B@50 Acquired: 4/12/2016 13:34:45 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6873	.6993	4.116	1696.	2.036	-.2692
Stddev	1.587	1.153	.398	4.	.432	.0265
%RSD	230.9	164.8	9.671	.2117	21.23	9.830
#1	.8238	1.221	4.266	1694.	2.421	-.2816
#2	2.202	-.6218	3.665	1693.	2.118	-.2388
#3	-.9634	1.499	4.418	1700.	1.569	-.2871

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	262.5	22.65	76.82	117.4
Stddev	1.1	.06	.07	9.7
%RSD	.4298	.2625	.0892	8.286
#1	263.1	22.69	76.78	123.3
#2	261.2	22.58	76.90	106.2
#3	263.2	22.67	76.79	122.9

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	2982.0	38077.	6111.6
Stddev	5.4	97.	54.8
%RSD	.18134	.25440	.89584
#1	2977.8	38164.	6172.5
#2	2988.1	38094.	6096.1
#3	2979.9	37973.	6066.4

Sample Name: sd 460-111840-A-6-B Acquired: 4/12/2016 13:38:42 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43.24	.7453	.3297	23.94	.0507	8858.
Stddev	3.23	1.107	.4015	.10	.0992	42.
%RSD	7.467	148.5	121.8	.4304	195.8	.4753
#1	42.59	-.2073	-.1152	23.94	.0966	8813.
#2	46.74	.4838	.4394	24.04	.1186	8896.
#3	40.38	1.959	.6650	23.83	-.0632	8864.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1589	.5384	.5559	1.603	17.90	260.6
Stddev	.0989	.2147	.3151	.247	4.95	18.3
%RSD	62.24	39.89	56.69	15.41	27.65	7.006
#1	.2379	.5780	.9097	1.853	17.16	273.9
#2	.1909	.7306	.4524	1.359	23.18	268.1
#3	.0480	.3066	.3055	1.598	13.37	239.8

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	710.9	50.09	53620.	1.421	1.077	-.3800
Stddev	11.0	.33	342.	.431	.883	.6342
%RSD	1.550	.6660	.6380	30.36	82.01	166.9
#1	698.7	49.79	53620.	.9330	2.087	.3386
#2	720.2	50.45	53280.	1.577	.4441	-.8615
#3	713.8	50.03	53970.	1.752	.7014	-.6170

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

Sample Name: sd 460-111840-A-6-B Acquired: 4/12/2016 13:38:42 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8834	.8612	-.1275	8.400	3.483	-.1979
Stddev	2.812	1.151	.4476	.116	.407	.3037
%RSD	318.3	133.7	351.0	1.384	11.68	153.5
#1	-.9698	.6954	-.5233	8.514	3.284	-.3850
#2	1.971	2.086	-.2176	8.405	3.213	.1525
#3	-3.651	-.1983	.3583	8.281	3.951	-.3612

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5582	34.27	1.283	244.2
Stddev	.4867	.26	.003	8.1
%RSD	87.19	.7610	.2482	3.334
#1	.2752	34.41	1.282	252.1
#2	1.120	33.97	1.281	235.8
#3	.2792	34.43	1.287	244.8

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	2965.0	37811.	6130.4
Stddev	6.7	73.	48.9
%RSD	.22694	.19353	.79737
#1	2965.5	37766.	6079.7
#2	2958.1	37772.	6177.3
#3	2971.5	37895.	6134.1

Sample Name: 460-111840-A-6-D MS Acquired: 4/12/2016 13:42:47 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1214.	931.0	95.56	2033.	195.3	48240.
Stddev	22.	4.5	.86	9.	1.2	266.
%RSD	1.848	.4805	.9050	.4553	.6277	.5521
#1	1206.	926.4	94.85	2024.	194.3	47980.
#2	1197.	931.2	95.31	2033.	194.9	48240.
#3	1239.	935.3	96.52	2042.	196.7	48510.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	199.7	205.8	932.5	202.5	284.6	5197.
Stddev	.9	1.4	4.8	1.5	6.9	46.
%RSD	.4605	.7033	.5159	.7238	2.408	.8879
#1	198.6	204.2	927.5	201.0	277.0	5144.
#2	200.1	206.2	932.7	202.5	286.5	5222.
#3	200.3	207.0	937.1	203.9	290.2	5226.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7145.	451.8	F 282500.	207.0	896.3	189.7
Stddev	35.	2.7	2120.	1.6	4.1	.4
%RSD	.4953	.6083	.7506	.7525	.4532	.2306
#1	7114.	449.0	280600.	205.4	892.6	189.2
#2	7138.	451.9	282100.	207.0	895.7	190.0
#3	7184.	454.5	284800.	208.6	900.6	189.9

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

Sample Name: 460-111840-A-6-D MS Acquired: 4/12/2016 13:42:47 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	196.4	200.1	101.2	246.2	210.9	196.7
Stddev	1.4	3.4	.6	1.1	1.7	1.0
%RSD	.7239	1.690	.6396	.4421	.8292	.4957
#1	194.8	197.4	100.6	245.0	209.3	195.6
#2	196.8	199.2	101.0	247.0	210.7	196.9
#3	197.6	203.9	101.9	246.7	212.7	197.5

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	188.0	372.1	210.4	1260.
Stddev	1.5	2.9	1.7	8.
%RSD	.7735	.7879	.7970	.6367
#1	186.3	369.0	208.9	1253.
#2	188.9	372.3	210.0	1259.
#3	188.8	374.9	212.2	1269.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2860.7	36969.	6201.6
Stddev	13.2	174.	22.8
%RSD	.46025	.47045	.36688
#1	2873.9	37151.	6226.7
#2	2860.6	36950.	6195.5
#3	2847.6	36805.	6182.5

Sample Name: 460-111505-D-1-C@5 Acquired: 4/12/2016 13:50:39 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	151.7	2.383	-.2821	109.9	.4741	10240.
Stddev	10.7	2.073	.4170	.4	.1200	64.
%RSD	7.034	86.97	147.8	.3932	25.31	.6240

#1	160.3	3.054	.0937	110.0	.5242	10170.
#2	139.8	.0579	-.7307	109.4	.3372	10290.
#3	155.1	4.037	-.2094	110.3	.5610	10270.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5209	1.871	.2626	2.850	94.64	2957.
Stddev	.0858	.172	.3231	.090	11.24	45.
%RSD	16.48	9.195	123.0	3.158	11.88	1.523

#1	.5486	1.987	-.0117	2.954	81.80	2905.
#2	.5894	1.953	.1806	2.803	99.38	2981.
#3	.4246	1.673	.6187	2.793	102.7	2985.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6793.	79.45	F 271700.	4.382	-2.525	.4631
Stddev	53.	.37	4077.	.200	.747	1.257
%RSD	.7864	.4598	1.500	4.553	29.59	271.4

#1	6735.	79.15	267100.	4.241	-1.783	.2779
#2	6803.	79.35	274500.	4.610	-3.277	-.6910
#3	6840.	79.85	273700.	4.294	-2.515	1.802

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

Sample Name: 460-111505-D-1-C@5 Acquired: 4/12/2016 13:50:39 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.151	.6762	1.141	5.147	57.79	-.0482
Stddev	1.965	1.470	.307	.179	.73	.0686
%RSD	170.7	217.4	26.94	3.478	1.261	142.3
#1	1.179	.8208	.8792	4.969	58.63	.0201
#2	3.103	2.068	1.065	5.146	57.44	-.1171
#3	-.8271	-.8606	1.479	5.327	57.31	-.0476

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.277	71.22	1.973	2618.
Stddev	.475	.29	.132	19.
%RSD	37.18	.4026	6.663	.7420
#1	.7994	70.89	1.824	2631.
#2	1.749	71.39	2.070	2627.
#3	1.282	71.38	2.027	2596.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2860.6	36901.	6201.7
Stddev	7.4	93.	63.7
%RSD	.25792	.25332	1.0266
#1	2852.4	37007.	6237.0
#2	2866.7	36831.	6239.8
#3	2862.7	36865.	6128.2

Sample Name: sample Acquired: 4/12/2016 13:58:57 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27640.	F 465.3	F 103.5	F 697.7	F 330.6	F 18870.
Stddev	156.	2.2	.4	1.5	1.9	40.
%RSD	.5654	.4741	.4122	.2209	.5758	.2104

#1	27460.	465.8	103.8	696.1	328.9	18820.
#2	27730.	467.1	103.0	697.8	330.3	18880.
#3	27740.	462.8	103.7	699.2	332.6	18890.

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit		880.0	195.5	1225.	570.0	33800.
Low Limit		575.0	117.5	870.0	402.0	23050.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 304.4	F 561.5	F 486.1	F 575.9	58420.	F 7845.
Stddev	.6	.8	2.3	1.7	158.	51.
%RSD	.2032	.1367	.4829	.2923	.2700	.6552

#1	303.9	561.0	484.5	575.1	58320.	7785.
#2	304.1	561.1	484.9	574.7	58330.	7878.
#3	305.1	562.4	488.8	577.8	58600.	7870.

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Fail
High Limit	515.0	890.0	855.0	1020.		15400.
Low Limit	362.0	645.0	570.0	705.0		8600.

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 8428.	F 1099.	F 2822.	F 471.0	F 465.1	378.7
Stddev	18.	1.	13.	.9	1.1	1.5
%RSD	.2122	.1132	.4629	.1872	.2372	.3963

#1	8427.	1099.	2833.	470.2	466.2	380.3
#2	8410.	1098.	2808.	470.9	465.0	378.6
#3	8446.	1101.	2826.	472.0	464.0	377.3

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass
High Limit	16300.	1835.	5500.	755.0	865.0	
Low Limit	10100.	1260.	3160.	535.0	595.0	

Sample Name: sample Acquired: 4/12/2016 13:58:57 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 589.1	F 518.1	404.5	F 691.7	F 441.2	F 421.5
Stddev	1.6	2.3	.6	.3	1.8	1.3
%RSD	.2745	.4506	.1583	.0429	.4095	.3034

#1	590.9	515.4	404.3	692.0	439.1	420.6
#2	588.4	519.4	404.0	691.7	442.4	420.9
#3	587.9	519.4	405.3	691.4	442.0	423.0

Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit	1080.	855.0		1115.	800.0	705.0
Low Limit	700.0	560.0		795.0	459.0	457.5

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	587.3	F 355.9	1216.	2786.
Stddev	.9	.9	2.	6.
%RSD	.1554	.2540	.1436	.2278

#1	586.3	354.9	1214.	2790.
#2	587.9	356.1	1215.	2789.
#3	587.7	356.6	1218.	2779.

Check ?	Chk Pass	Chk Fail	Chk Pass	None
High Limit		630.0		
Low Limit		423.0		

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3033.0	39264.	6401.5
Stddev	12.7	240.	25.4
%RSD	.41939	.61248	.39750

#1	3019.7	39004.	6373.1
#2	3034.1	39309.	6408.9
#3	3045.1	39479.	6422.4

Sample Name: 460-111474-C-4-L DU Acquired: 4/12/2016 14:02:44 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32420.	27.52	.9846	120.5	2.018	5465.
Stddev	37.	1.15	.3412	.2	.077	17.
%RSD	.1150	4.170	34.65	.1613	3.829	.3173
#1	32390.	28.41	1.193	120.4	2.064	5445.
#2	32420.	26.23	1.170	120.7	1.929	5469.
#3	32460.	27.94	.5908	120.4	2.062	5479.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3282	28.65	104.4	57.30	63880.	5934.
Stddev	.1069	.20	.4	.21	224.	17.
%RSD	32.56	.7110	.3400	.3646	.3506	.2839
#1	-.4326	28.74	104.1	57.53	63750.	5914.
#2	-.3331	28.42	104.2	57.12	63750.	5943.
#3	-.2190	28.79	104.8	57.25	64130.	5944.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12740.	2002.	4443.	54.10	72.95	1.905
Stddev	48.	5.	14.	.75	.14	.296
%RSD	.3759	.2515	.3138	1.378	.1957	15.55
#1	12700.	1999.	4429.	53.31	72.82	2.220
#2	12730.	1999.	4441.	54.79	72.94	1.865
#3	12800.	2008.	4457.	54.20	73.10	1.631

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

Sample Name: 460-111474-C-4-L DU Acquired: 4/12/2016 14:02:44 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.964	-.5427	92.06	361.1	35.79	1.281
Stddev	2.626	1.512	.63	2.2	.26	.176
%RSD	133.7	278.6	.6873	.6126	.7129	13.70
#1	4.981	-.7757	91.48	358.7	36.08	1.329
#2	.7183	-1.925	91.95	361.4	35.68	1.087
#3	.1921	1.072	92.73	363.1	35.61	1.428

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	11.29	69.11	1369.	2137.
Stddev	.81	.26	1.	22.
%RSD	7.135	.3765	.0844	1.052
#1	10.58	69.37	1368.	2120.
#2	12.17	69.12	1369.	2163.
#3	11.13	68.85	1370.	2128.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3046.0	39278.	6461.0
Stddev	6.9	214.	12.5
%RSD	.22736	.54359	.19367
#1	3050.9	39036.	6448.6
#2	3038.1	39442.	6473.7
#3	3049.0	39354.	6460.8

Sample Name: sd 460-111474-C-4-K Acquired: 4/12/2016 14:10:41 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6443.	6.373	.2209	23.33	.3143	1081.
Stddev	12.	2.567	.7005	.31	.0459	12.
%RSD	.1787	40.28	317.1	1.342	14.61	1.086

#1	6433.	4.015	.7736	23.26	.3460	1071.
#2	6456.	5.996	.4560	23.06	.3353	1077.
#3	6441.	9.107	-.5669	23.67	.2616	1094.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0686	5.675	19.92	11.01	12800.	1192.
Stddev	.0684	.135	.74	.45	197.	22.
%RSD	99.69	2.369	3.691	4.043	1.538	1.873

#1	-.0373	5.585	19.99	10.59	12600.	1179.
#2	-.0214	5.611	20.62	10.96	12810.	1217.
#3	-.1470	5.829	19.15	11.48	13000.	1178.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2505.	396.6	879.8	10.90	14.44	-.0716
Stddev	31.	3.8	9.5	.47	.85	.5796
%RSD	1.224	.9665	1.074	4.345	5.903	809.1

#1	2475.	392.6	869.2	11.06	14.76	-.7383
#2	2504.	396.8	883.1	10.36	15.08	.2109
#3	2536.	400.3	887.2	11.27	13.47	.3126

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

Sample Name: sd 460-111474-C-4-K Acquired: 4/12/2016 14:10:41 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.284	-.0215	17.75	72.13	6.883	-.2992
Stddev	2.993	.8321	.62	.31	.117	.1639
%RSD	233.1	3864.	3.504	.4259	1.707	54.78
#1	-3.951	-.9812	18.21	71.88	7.018	-.1118
#2	-1.854	.4180	17.04	72.05	6.824	-.4158
#3	1.953	.4986	17.99	72.48	6.807	-.3700

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.815	13.65	267.7	418.9
Stddev	.499	.09	2.1	19.3
%RSD	17.72	.6503	.7918	4.613
#1	2.593	13.54	265.8	397.9
#2	2.465	13.68	267.4	422.9
#3	3.386	13.71	270.0	435.9

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	3037.7	38958.	6291.7
Stddev	6.8	155.	28.8
%RSD	.22499	.39852	.45821
#1	3040.1	39121.	6266.6
#2	3043.0	38941.	6285.4
#3	3030.0	38812.	6323.2

Sample Name: CCV Acquired: 4/12/2016 14:14:42 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127000.	2403.	1234.	9814.	1002.	122200.
Stddev	493.	6.	6.	22.	1.	792.
%RSD	.3885	.2556	.4473	.2261	.1240	.6480

#1	126400.	2402.	1228.	9794.	1001.	121300.
#2	127100.	2398.	1237.	9811.	1004.	122700.
#3	127400.	2410.	1238.	9838.	1003.	122700.

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.	2472.	4825.	12310.	101100.	49300.
Stddev	2.	5.	38.	37.	521.	154.
%RSD	.1920	.1942	.7801	.2978	.5158	.3120

#1	1227.	2468.	4782.	12280.	100500.	49140.
#2	1228.	2471.	4847.	12310.	101300.	49340.
#3	1231.	2477.	4846.	12350.	101400.	49440.

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	120700.	4996.	122000.	2436.	7186.	973.1
Stddev	941.	24.	182.	5.	10.	5.1
%RSD	.7793	.4851	.1492	.2050	.1359	.5224

#1	119600.	4969.	121800.	2431.	7175.	969.0
#2	121200.	5008.	122200.	2437.	7192.	971.5
#3	121300.	5013.	122000.	2440.	7192.	978.8

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

Sample Name: CCV Acquired: 4/12/2016 14:14:42 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2400.	2516.	2479.	2504.	956.4	2448.
Stddev	8.	16.	8.	6.	2.2	8.
%RSD	.3525	.6420	.3257	.2473	.2254	.3195

#1	2391.	2497.	2470.	2502.	954.1	2441.
#2	2404.	2525.	2485.	2500.	956.6	2448.
#3	2406.	2525.	2482.	2511.	958.4	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	977.4	5057.	10110.	9692.
Stddev	3.7	13.	121.	33.
%RSD	.3785	.2545	1.194	.3426

#1	973.2	5042.	10010.	9669.
#2	979.2	5066.	10240.	9730.
#3	979.9	5062.	10070.	9676.

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	2822.2	36588.	6122.1
Stddev	3.8	275.	18.5
%RSD	.13441	.75111	.30201

#1	2825.3	36905.	6121.0
#2	2823.3	36430.	6141.2
#3	2818.0	36428.	6104.3

Sample Name: pds 460-111840-A-6-B Acquired: 4/12/2016 13:46:45 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2326.	1964.	11.56	2112.	51.74	63570.
Stddev	13.	10.	.15	6.	.09	140.
%RSD	.5693	.5131	1.328	.2726	.1782	.2202

#1	2312.	1952.	11.54	2109.	51.84	63410.
#2	2329.	1969.	11.72	2119.	51.74	63680.
#3	2338.	1970.	11.42	2109.	51.65	63620.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.44	509.4	202.9	257.3	1098.	20310.
Stddev	.23	.7	.8	1.1	10.	97.
%RSD	.4630	.1286	.4037	.4347	.9398	.4782

#1	50.40	508.9	202.5	256.2	1106.	20200.
#2	50.69	510.1	203.8	258.4	1086.	20390.
#3	50.23	509.1	202.3	257.2	1101.	20330.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22090.	752.9	F 298000.	514.1	469.6	493.4
Stddev	56.	2.0	3074.	1.7	1.1	3.7
%RSD	.2555	.2663	1.031	.3321	.2429	.7456

#1	22020.	750.7	294500.	512.7	469.1	491.0
#2	22130.	754.6	300200.	516.0	470.9	497.6
#3	22110.	753.3	299400.	513.5	468.7	491.5

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

Sample Name: pds 460-111840-A-6-B Acquired: 4/12/2016 13:46:45 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2027.	2074.	515.4	562.3	520.3	499.6
Stddev	14.	15.	1.6	1.2	2.7	1.3
%RSD	.6934	.7392	.3087	.2167	.5128	.2614
#1	2014.	2063.	514.8	561.0	517.6	498.8
#2	2042.	2092.	517.2	562.4	522.9	501.1
#3	2026.	2068.	514.2	563.5	520.5	498.9

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	500.5	684.1	526.8	1269.
Stddev	1.1	2.7	.5	6.
%RSD	.2205	.3939	.1004	.4499
#1	499.8	681.2	526.2	1262.
#2	501.8	686.5	527.0	1272.
#3	499.9	684.6	527.2	1272.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2835.4	36839.	6166.1
Stddev	7.1	130.	34.0
%RSD	.24867	.35216	.55129
#1	2843.5	36976.	6194.4
#2	2830.3	36825.	6128.4
#3	2832.5	36718.	6175.5

Sample Name: MB 460-362066/1-A@2 Acquired: 4/12/2016 13:54:50 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.946	.6411	.0592	-.0564	-.1136	3.997
Stddev	.828	1.860	.6696	.1004	.1036	2.734
%RSD	42.56	290.2	1132.	178.0	91.14	68.41
#1	2.598	2.712	.2354	.0281	-.1403	.8657
#2	1.014	.1009	.6230	-.0300	-.2013	5.912
#3	2.225	-.8893	-.6809	-.1674	.0006	5.214

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1009	-.2688	-.1531	.2000	-6.733	18.83
Stddev	.0360	.1549	.1463	.4018	8.672	18.87
%RSD	35.69	57.62	95.53	200.9	128.8	100.2
#1	.0901	-.2299	-.3197	-.2245	-11.03	27.39
#2	.1410	-.4395	-.0941	.2499	3.248	31.90
#3	.0715	-.1371	-.0456	.5745	-12.41	-2.801

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.629	-.0134	58.70	.1138	-.3008	.4827
Stddev	4.614	.0714	12.71	.2366	.9059	.7560
%RSD	283.3	531.4	21.65	207.9	301.2	156.6
#1	1.902	-.0659	73.36	.3837	.3820	-.3470
#2	.0620	.0679	50.89	-.0582	-1.328	1.132
#3	-6.849	-.0423	51.84	.0160	.0441	.6627

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

Sample Name: MB 460-362066/1-A@2 Acquired: 4/12/2016 13:54:50 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9457	1.216	-.2323	.5528	-.2641	-.2506
Stddev	.6626	.790	.1402	.0941	.1707	.1105
%RSD	70.07	64.98	60.36	17.03	64.64	44.11
#1	.1908	1.396	-.3610	.6605	-.3929	-.1438
#2	1.431	1.902	-.2531	.4863	-.3289	-.3644
#3	1.215	.3519	-.0828	.5116	-.0705	-.2435

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2985	-.0604	-.1788	9.284
Stddev	.5661	.0529	.1376	12.26
%RSD	189.7	87.58	76.93	132.0
#1	.7695	-.1061	-.3229	.3556
#2	-.3296	-.0726	-.0488	4.235
#3	.4556	-.0025	-.1649	23.26

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	2988.2	38124.	6211.7
Stddev	5.2	151.	76.8
%RSD	.17302	.39683	1.2370
#1	2994.0	38184.	6291.4
#2	2986.4	38235.	6205.5
#3	2984.1	37951.	6138.1

Sample Name: CCVL Acquired: 4/12/2016 14:22:40 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	207.9	15.51	9.504	201.9	1.903	4919.
Stddev	13.4	.57	.145	.7	.043	29.
%RSD	6.440	3.701	1.529	.3252	2.286	.5898

#1	193.2	15.93	9.470	202.6	1.876	4899.
#2	211.0	15.75	9.379	201.3	1.880	4953.
#3	219.5	14.86	9.663	201.8	1.953	4906.

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	4.091	51.61	9.972	24.54	152.0	4846.
Stddev	.065	.32	.443	.07	.3	13.
%RSD	1.599	.6183	4.442	.2932	.2124	.2727

#1	4.163	51.98	10.15	24.50	152.3	4845.
#2	4.074	51.39	9.468	24.49	151.7	4860.
#3	4.036	51.48	10.30	24.62	151.9	4834.

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	4715.	15.61	4827.	41.30	9.589	19.74
Stddev	15.	.10	17.	.42	.383	.47
%RSD	.3251	.6441	.3449	1.017	3.990	2.377

#1	4710.	15.49	4846.	41.78	10.01	19.54
#2	4732.	15.66	4823.	41.11	9.505	20.28
#3	4703.	15.67	4813.	41.01	9.255	19.40

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

Sample Name: CCVL Acquired: 4/12/2016 14:22:40 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.40	22.03	50.16	31.04	47.85	19.26
Stddev	1.50	.76	.07	.03	.29	.29
%RSD	8.616	3.465	.1453	.0828	.5977	1.517
#1	19.10	21.28	50.10	31.01	48.10	19.11
#2	16.83	22.81	50.24	31.05	47.54	19.60
#3	16.27	22.00	50.14	31.05	47.90	19.07

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	49.24	20.74	20.64	F 17.17
Stddev	.75	.14	.12	16.73
%RSD	1.525	.6833	.5953	97.43
#1	49.32	20.88	20.67	1.985
#2	48.46	20.60	20.75	14.43
#3	49.95	20.73	20.51	35.11

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	3014.7	38727.	6284.0
Stddev	1.9	151.	29.6
%RSD	.06153	.39092	.47044
#1	3012.7	38793.	6257.5
#2	3014.8	38553.	6278.6
#3	3016.4	38833.	6315.9

Sample Name: 460-111952-E-1-E@4 Acquired: 4/12/2016 14:42:38 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30890.	21.88	.6446	293.0	1.436	39640.
Stddev	184.	.68	.6388	.9	.018	62.
%RSD	.5958	3.116	99.10	.3136	1.287	.1564
#1	30770.	22.43	.8474	292.1	1.435	39680.
#2	30790.	21.12	-.0710	293.1	1.418	39570.
#3	31100.	22.08	1.157	293.9	1.455	39660.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4282	25.53	61.19	143.6	65890.	6975.
Stddev	.0204	.22	.01	.5	100.	50.
%RSD	4.755	.8745	.0131	.3669	.1517	.7209
#1	.4074	25.70	61.19	144.2	65950.	6917.
#2	.4290	25.28	61.20	143.1	65950.	7000.
#3	.4481	25.62	61.20	143.5	65780.	7008.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12950.	2485.	2058.	68.68	423.5	1.428
Stddev	29.	1.	10.	.36	1.9	1.180
%RSD	.2253	.0237	.5059	.5175	.4570	82.58
#1	12980.	2486.	2047.	68.69	422.2	1.691
#2	12960.	2485.	2061.	69.03	422.5	2.455
#3	12920.	2486.	2067.	68.32	425.7	.1396

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

Sample Name: 460-111952-E-1-E@4 Acquired: 4/12/2016 14:42:38 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.836	.1538	114.4	549.5	55.65	3.504
Stddev	.528	.4420	.2	1.4	.19	.155
%RSD	13.78	287.4	.1735	.2588	.3442	4.428
#1	4.051	.4415	114.6	548.1	55.45	3.338
#2	4.222	-.3551	114.2	549.5	55.83	3.529
#3	3.233	.3751	114.6	551.0	55.69	3.645

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	44.77	141.2	896.2	1361.
Stddev	.59	.6	1.5	9.
%RSD	1.321	.4478	.1658	.6756
#1	45.25	140.5	896.7	1366.
#2	44.11	141.6	894.5	1366.
#3	44.96	141.6	897.3	1350.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3049.3	39416.	6555.5
Stddev	14.0	211.	31.7
%RSD	.45900	.53407	.48336
#1	3035.1	39174.	6536.2
#2	3049.7	39517.	6592.1
#3	3063.1	39556.	6538.1

Sample Name: 460-110949-D-1-H@4 Acquired: 4/12/2016 14:50:33 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41840.	7.695	.6243	194.9	1.628	6358.
Stddev	155.	.648	.4042	.6	.087	44.
%RSD	.3701	8.424	64.74	.3033	5.364	.6951
#1	41680.	7.200	.2268	194.3	1.637	6321.
#2	41990.	8.428	.6112	195.2	1.711	6347.
#3	41850.	7.456	1.035	195.3	1.537	6407.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8357	21.90	42.37	39.88	59730.	2648.
Stddev	.1215	.05	.46	.18	171.	7.
%RSD	14.54	.2116	1.075	.4429	.2869	.2778
#1	-.9284	21.86	41.86	39.73	59590.	2649.
#2	-.6981	21.87	42.74	39.84	59670.	2640.
#3	-.8806	21.95	42.51	40.07	59920.	2655.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7242.	1775.	1504.	36.91	94.93	1.064
Stddev	36.	7.	3.	.74	.91	.580
%RSD	.4914	.4102	.2077	2.003	.9545	54.51
#1	7216.	1770.	1500.	37.24	94.06	1.724
#2	7228.	1771.	1505.	36.06	94.87	.6365
#3	7283.	1783.	1505.	37.42	95.87	.8308

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

Sample Name: 460-110949-D-1-H@4 Acquired: 4/12/2016 14:50:33 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.291	-1.154	82.82	142.1	323.2	2.296
Stddev	1.688	.185	.25	1.1	.2	.121
%RSD	130.7	16.04	.3006	.7504	.0644	5.262
#1	1.704	-1.097	82.75	140.9	323.2	2.412
#2	2.734	-1.003	82.62	142.3	323.4	2.305
#3	-5647	-1.360	83.10	143.0	323.0	2.171

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.407	35.56	1004.	1157.
Stddev	.511	.04	3.	8.
%RSD	15.01	.1135	.2792	.6815
#1	3.837	35.55	1005.	1153.
#2	2.841	35.52	1001.	1151.
#3	3.542	35.60	1007.	1166.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3074.5	39543.	6428.7
Stddev	10.9	170.	31.7
%RSD	.35457	.43110	.49317
#1	3062.4	39363.	6404.6
#2	3077.7	39702.	6464.6
#3	3083.4	39563.	6416.8

Sample Name: 460-111558-A-1-D@4 Acquired: 4/12/2016 14:54:31 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	128000.	5.415	.6892	81.34	4.438	2500.
Stddev	1483.	.449	.4569	.65	.115	18.
%RSD	1.158	8.296	66.30	.7983	2.595	.7047

#1	126600.	4.913	.4389	80.65	4.305	2480.
#2	127900.	5.779	.4122	81.42	4.513	2509.
#3	129600.	5.554	1.217	81.95	4.496	2511.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5233	14.13	15.27	85.84	41560.	183.4
Stddev	.0886	.17	.15	.62	332.	15.1
%RSD	16.93	1.201	.9728	.7266	.7987	8.253

#1	.4753	14.21	15.39	85.15	41180.	199.2
#2	.4690	14.24	15.30	86.00	41760.	182.1
#3	.6255	13.94	15.10	86.36	41740.	169.0

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	354.1	1434.	298.1	33.33	4.249	.2073
Stddev	4.5	9.	5.8	.18	.840	1.056
%RSD	1.263	.6238	1.947	.5346	19.76	509.3

#1	358.0	1424.	291.4	33.37	4.366	.2910
#2	349.2	1435.	301.4	33.49	3.357	-.8879
#3	355.1	1442.	301.5	33.14	5.025	1.219

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

Sample Name: 460-111558-A-1-D@4 Acquired: 4/12/2016 14:54:31 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1831	1.413	8.563	256.1	7.513	.8199
Stddev	.2991	.615	.096	1.9	.312	.2460
%RSD	163.4	43.54	1.117	.7559	4.157	30.00
#1	.4824	1.992	8.622	254.0	7.667	.5544
#2	-.1158	1.479	8.614	256.5	7.153	.8652
#3	.1826	.7674	8.452	257.8	7.718	1.040

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.935	17.17	51.46	2025.
Stddev	1.036	.30	.48	28.
%RSD	53.54	1.760	.9394	1.383
#1	1.171	16.94	50.94	2002.
#2	3.114	17.07	51.54	2017.
#3	1.519	17.51	51.90	2056.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3095.0	39582.	6575.1
Stddev	8.5	233.	50.6
%RSD	.27424	.58787	.76985
#1	3088.5	39321.	6523.0
#2	3091.9	39660.	6578.2
#3	3104.6	39767.	6624.0

Sample Name: MB 460-362090/1-A Acquired: 4/12/2016 15:02:32 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.956	1.333	.0277	-.0780	-.1322	-1.159
Stddev	8.310	1.587	.2245	.1030	.0210	4.011
%RSD	139.5	119.1	809.5	131.9	15.88	345.9

#1	-.4444	-.1759	.0892	-.1030	-.1450	3.165
#2	-15.51	2.988	.2150	.0351	-.1436	-1.886
#3	-1.910	1.186	-.2211	-.1662	-.1080	-4.757

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0218	.0350	-.0651	-.1737	-4.397	-20.30
Stddev	.0724	.1583	.3834	.2071	11.31	3.61
%RSD	331.8	452.7	588.6	119.2	257.3	17.80

#1	.0546	-.0356	-.5076	.0639	-8.911	-18.93
#2	-.0612	.2163	.1428	-.3158	8.476	-17.57
#3	.0720	-.0758	.1694	-.2692	-12.76	-24.39

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.154	.2254	8.369	.2195	.6357	.1804
Stddev	3.312	.1234	1.312	.6188	1.058	.3305
%RSD	105.0	54.73	15.67	281.9	166.4	183.2

#1	-3.407	.3389	9.565	-.1382	1.640	-.0892
#2	.2770	.2431	8.577	-.1372	-.4683	.5491
#3	-6.332	.0941	6.966	.9340	.7355	.0812

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

Sample Name: MB 460-362090/1-A Acquired: 4/12/2016 15:02:32 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.590	-.5272	-.1899	.5688	-.0665	-.3256
Stddev	2.170	.3533	.2986	.0882	.3609	.1387
%RSD	136.4	67.00	157.2	15.51	542.5	42.61
#1	-4.095	-.7938	-.4377	.5771	.1303	-.3758
#2	-.3594	-.6614	-.2736	.4767	-.4831	-.1688
#3	-.3159	-.1265	.1416	.6526	.1532	-.4323

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5949	-.0620	-.1218	15.29
Stddev	.4695	.0576	.0987	19.23
%RSD	78.91	92.86	81.05	125.8
#1	.2387	-.1283	-.0117	7.589
#2	.4192	-.0335	-.1511	37.17
#3	1.127	-.0243	-.2025	1.100

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	3017.2	38575.	6168.9
Stddev	6.4	75.	50.9
%RSD	.21116	.19496	.82485
#1	3009.9	38660.	6227.6
#2	3020.3	38517.	6139.4
#3	3021.5	38548.	6139.6

Sample Name: CCB Acquired: 4/12/2016 15:10:33 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.889	2.077	-.1535	.0588	-.0932	.8016
Stddev	13.45	.493	.4556	.0611	.1491	1.008
%RSD	711.7	23.74	296.8	104.0	160.0	125.7

#1	-16.56	1.533	.3153	-.0021	.0783	-.3345
#2	9.850	2.494	-.1812	.0583	-.1919	1.151
#3	1.043	2.204	-.5947	.1202	-.1661	1.588

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0659	-.0704	.2574	-.0185	-4.231	15.39
Stddev	.0637	.1872	.4671	.1544	8.090	15.05
%RSD	96.69	265.8	181.5	833.9	191.2	97.81

#1	-.0075	.1356	-.0608	.0064	-7.403	10.92
#2	.0977	-.1168	.7936	.1219	-10.26	32.17
#3	.1075	-.2301	.0394	-.1839	4.964	3.076

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4140	.1069	11.50	-.1515	.4420	.8947
Stddev	3.237	.0278	4.88	.5742	1.087	.8274
%RSD	782.0	25.98	42.43	379.0	245.9	92.48

#1	-4.089	.1044	16.99	-.7945	-.3821	1.501
#2	2.016	.1359	9.888	.3097	.0343	1.230
#3	.8303	.0805	7.635	.0303	1.674	-.0478

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

Sample Name: CCB Acquired: 4/12/2016 15:10:33 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0798	.7527	-.0641	.0215	1.148	.8767
Stddev	1.170	.4432	.0674	.2035	.360	.7712
%RSD	1467.	58.89	105.1	944.8	31.35	87.97
#1	-1.135	.5922	-.0921	-.1577	1.110	1.660
#2	1.200	1.254	-.1130	.2428	.8080	.8521
#3	.1740	.4121	.0128	-.0205	1.525	.1180

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5624	.1035	.3312	6.103
Stddev	.6058	.0243	.1184	9.878
%RSD	107.7	23.51	35.74	161.9
#1	.8771	.1254	.4589	10.14
#2	.9462	.1079	.3097	13.33
#3	-.1360	.0773	.2250	-5.154

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	3017.9	38661.	6136.3
Stddev	10.1	180.	18.1
%RSD	.33611	.46454	.29455
#1	3029.1	38455.	6119.7
#2	3015.1	38745.	6133.7
#3	3009.4	38783.	6155.6

Sample Name: 460-111474-C-4-K@4 Acquired: 4/12/2016 14:06:43 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32390.	27.95	1.403	119.6	2.099	5423.
Stddev	89.	2.11	.155	.1	.121	21.
%RSD	.2749	7.550	11.03	.0930	5.743	.3914

#1	32470.	28.19	1.249	119.5	1.967	5402.
#2	32290.	25.74	1.401	119.7	2.204	5444.
#3	32400.	29.94	1.559	119.6	2.125	5423.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3443	28.29	102.6	56.72	63590.	5954.
Stddev	.0867	.20	.6	.21	209.	23.
%RSD	25.17	.7088	.5997	.3755	.3287	.3818

#1	-.2554	28.50	102.1	56.78	63460.	5955.
#2	-.3489	28.09	103.3	56.89	63830.	5976.
#3	-.4285	28.28	102.5	56.48	63490.	5931.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12610.	1989.	4414.	54.06	70.87	1.201
Stddev	67.	3.	11.	.12	1.59	1.228
%RSD	.5300	.1721	.2585	.2223	2.245	102.2

#1	12590.	1988.	4412.	54.15	70.37	-.1585
#2	12680.	1993.	4426.	54.10	72.65	1.532
#3	12560.	1986.	4403.	53.92	69.58	2.228

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

Sample Name: 460-111474-C-4-K@4 Acquired: 4/12/2016 14:06:43 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.366	-2.246	91.41	360.8	35.29	1.295
Stddev	1.058	1.860	.15	1.5	.36	.278
%RSD	77.45	82.81	.1669	.4058	1.023	21.50
#1	1.206	-1.605	91.23	359.2	35.70	1.309
#2	2.494	-.7916	91.47	361.1	35.14	1.566
#3	.3970	-4.342	91.52	362.1	35.03	1.010

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	12.11	69.00	1364.	2162.
Stddev	1.18	.24	1.	40.
%RSD	9.754	.3438	.1033	1.864
#1	10.90	68.72	1365.	2141.
#2	13.26	69.15	1362.	2136.
#3	12.17	69.11	1364.	2208.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3077.5	39807.	6573.9
Stddev	2.7	9.	63.0
%RSD	.08856	.02199	.95833
#1	3079.0	39804.	6504.1
#2	3079.1	39800.	6591.1
#3	3074.3	39816.	6626.5

Sample Name: CCB Acquired: 4/12/2016 14:18:32 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.992	-.3708	-.0297	.0738	.0002	11.48
Stddev	4.782	.6647	.1913	.0421	.0714	3.18
%RSD	159.8	179.2	643.9	57.09	32730.	27.71
#1	1.369	-.6637	.1376	.1221	.0807	12.49
#2	-8.106	.3900	-.2383	.0547	-.0243	7.918
#3	-2.240	-.8387	.0116	.0446	-.0557	14.04

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0995	-.2274	.3264	.3630	-8.450	10.10
Stddev	.0679	.0795	.4029	.1784	7.958	13.66
%RSD	68.25	34.95	123.4	49.15	94.18	135.3
#1	.0367	-.1370	.2842	.2626	-11.84	-5.094
#2	.0902	-.2591	.7487	.5691	-14.15	14.02
#3	.1716	-.2862	-.0538	.2575	.6420	21.38

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.458	.1306	13.72	.3462	.5944	1.213
Stddev	2.170	.0645	6.82	.5345	.8828	.806
%RSD	148.9	49.34	49.71	154.4	148.5	66.44
#1	2.078	.1546	19.64	.9572	-.3491	1.219
#2	-.9549	.0576	15.25	.1161	1.400	.4044
#3	3.251	.1797	6.261	-.0346	.7319	2.017

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

Sample Name: CCB Acquired: 4/12/2016 14:18:32 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.031	.8692	-.3216	.0923	1.233	.8314
Stddev	.894	.8694	.5589	.1475	.080	.4971
%RSD	44.01	100.0	173.8	159.8	6.487	59.79
#1	-2.509	1.239	-.0372	.2116	1.183	1.405
#2	-.9995	1.492	.0380	.1380	1.191	.5444
#3	-2.583	-.1241	-.9655	-.0726	1.325	.5444

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5441	.1730	.2861	15.92
Stddev	.6779	.0265	.0340	6.99
%RSD	124.6	15.33	11.90	43.89
#1	1.325	.1427	.3253	13.70
#2	.1954	.1920	.2682	23.75
#3	.1115	.1844	.2647	10.31

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	2991.6	38261.	6195.3
Stddev	14.1	209.	80.9
%RSD	.47065	.54523	1.3052
#1	2992.8	38021.	6145.2
#2	3005.0	38365.	6288.6
#3	2976.9	38398.	6152.1

Sample Name: 460-111474-C-4-M MS Acquired: 4/12/2016 14:26:44 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43830.	901.5	23.88	1066.	26.27	14890.
Stddev	363.	8.3	.34	7.	.31	109.
%RSD	.8270	.9217	1.414	.6894	1.187	.7300
#1	43420.	892.5	23.50	1060.	26.03	14770.
#2	43990.	902.9	23.99	1065.	26.17	14940.
#3	44090.	909.0	24.15	1074.	26.62	14970.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22.82	264.6	203.5	169.4	64510.	15490.
Stddev	.47	1.9	2.5	1.8	583.	171.
%RSD	2.082	.7032	1.223	1.078	.9041	1.106
#1	22.37	262.9	200.6	167.6	63840.	15300.
#2	22.78	264.5	204.9	169.5	64830.	15540.
#3	23.31	266.6	204.9	171.2	64860.	15630.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21750.	2117.	13130.	293.1	281.6	119.4
Stddev	159.	16.	81.	2.7	2.1	1.2
%RSD	.7306	.7675	.6176	.9242	.7294	1.029
#1	21580.	2099.	13060.	290.6	279.2	118.0
#2	21800.	2124.	13100.	292.8	282.7	120.1
#3	21880.	2129.	13220.	296.0	282.8	120.2

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

Sample Name: 460-111474-C-4-M MS Acquired: 4/12/2016 14:26:44 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	880.9	981.1	338.0	575.9	261.7	227.2
Stddev	13.0	7.6	3.4	5.2	2.6	1.8
%RSD	1.479	.7790	1.017	.9111	1.011	.7813
#1	866.9	972.8	334.2	570.1	259.2	225.3
#2	883.0	982.6	338.7	577.3	261.3	227.4
#3	892.7	987.9	341.0	580.4	264.5	228.9

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	235.6	308.5	1825.	2438.
Stddev	3.6	2.6	14.	24.
%RSD	1.544	.8297	.7846	1.001
#1	231.6	305.9	1811.	2413.
#2	236.5	308.4	1825.	2440.
#3	238.8	311.1	1839.	2461.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3016.2	38841.	6384.2
Stddev	5.9	262.	43.3
%RSD	.19717	.67338	.67894
#1	3010.7	38717.	6342.8
#2	3015.3	38665.	6380.5
#3	3022.5	39142.	6429.2

Sample Name: pds 460-111474-C-4-K Acquired: 4/12/2016 14:30:34 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34170.	1850.	12.62	2036.	51.50	24080.
Stddev	325.	4.	.72	1.	.13	108.
%RSD	.9501	.2266	5.736	.0432	.2554	.4493
#1	33950.	1852.	12.04	2037.	51.38	24200.
#2	34010.	1853.	13.43	2035.	51.64	24010.
#3	34540.	1846.	12.39	2035.	51.47	24010.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.65	516.6	295.2	295.4	63700.	23450.
Stddev	.31	.6	1.5	1.1	261.	26.
%RSD	.6527	.1095	.5222	.3786	.4095	.1128
#1	47.94	516.7	296.9	296.0	63570.	23450.
#2	47.69	517.0	294.2	294.1	63530.	23420.
#3	47.32	515.9	294.4	296.1	64000.	23470.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30460.	2453.	23010.	543.4	519.9	466.4
Stddev	83.	6.	35.	.6	1.3	.5
%RSD	.2740	.2580	.1501	.1020	.2568	.1071
#1	30560.	2449.	23040.	543.8	518.4	467.0
#2	30400.	2450.	22970.	542.8	520.7	466.0
#3	30430.	2461.	23010.	543.5	520.6	466.2

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

Sample Name: pds 460-111474-C-4-K Acquired: 4/12/2016 14:30:34 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1835.	2016.	580.4	852.1	502.4	476.7
Stddev	1.	4.	2.8	.5	.8	1.1
%RSD	.0473	.2208	.4792	.0605	.1521	.2210
#1	1835.	2020.	583.1	851.6	502.0	476.1
#2	1834.	2018.	577.5	852.6	503.3	477.9
#3	1835.	2011.	580.7	852.0	501.9	476.1

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	490.7	558.2	1855.	2177.
Stddev	1.5	.4	9.	28.
%RSD	.3005	.0705	.5116	1.304
#1	491.2	558.1	1847.	2159.
#2	491.9	557.8	1854.	2163.
#3	489.0	558.6	1866.	2210.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2985.5	38808.	6339.3
Stddev	10.9	389.	33.0
%RSD	.36369	1.0036	.52127
#1	2973.1	38363.	6309.3
#2	2992.9	39087.	6333.7
#3	2990.6	38973.	6374.7

Sample Name: 460-111474-C-3-E@4 Acquired: 4/12/2016 14:34:19 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30080.	18.06	.4396	108.0	1.201	4011.
Stddev	222.	2.61	.1945	.3	.129	36.
%RSD	.7388	14.44	44.25	.2907	10.70	.9062

#1	29970.	20.19	.2514	107.7	1.346	3988.
#2	29940.	15.15	.6399	108.2	1.100	3992.
#3	30340.	18.83	.4275	108.2	1.157	4053.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4684	21.79	87.52	22.23	63210.	5715.
Stddev	.0658	.22	.78	.24	482.	41.
%RSD	14.05	1.024	.8871	1.089	.7628	.7201

#1	-.4195	22.02	87.12	21.95	62950.	5682.
#2	-.5432	21.57	87.04	22.34	62910.	5701.
#3	-.4426	21.77	88.42	22.40	63760.	5761.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11430.	931.5	3033.	40.51	93.57	1.755
Stddev	55.	4.6	14.	.42	.69	.551
%RSD	.4785	.4917	.4761	1.040	.7405	31.41

#1	11370.	928.2	3016.	40.94	93.15	1.137
#2	11420.	929.5	3039.	40.49	94.37	1.934
#3	11480.	936.7	3043.	40.10	93.19	2.196

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

Sample Name: 460-111474-C-3-E@4 Acquired: 4/12/2016 14:34:19 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.102	1.047	80.37	238.2	17.23	1.488
Stddev	2.878	1.531	1.04	1.8	.25	.246
%RSD	92.78	146.3	1.289	.7378	1.435	16.51
#1	5.653	.5146	79.18	236.2	17.37	1.756
#2	3.670	2.773	80.95	239.0	16.94	1.432
#3	-.0176	-.1478	80.99	239.5	17.37	1.275

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10.06	53.78	1141.	1845.
Stddev	.09	.29	5.	22.
%RSD	.9024	.5377	.4600	1.171
#1	10.16	53.50	1136.	1820.
#2	10.01	53.76	1140.	1855.
#3	10.00	54.08	1146.	1860.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3028.7	39099.	6382.1
Stddev	3.5	212.	54.6
%RSD	.11522	.54102	.85627
#1	3024.9	39106.	6381.8
#2	3029.2	39306.	6436.9
#3	3031.9	38883.	6327.6

Sample Name: 460-111474-C-5-E@4 Acquired: 4/12/2016 14:38:19 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1019.	3.333	.3631	4.848	-.1400	2499.
Stddev	3.	.530	.4932	.118	.0446	20.
%RSD	.2986	15.89	135.8	2.433	31.83	.8014
#1	1018.	2.884	.2281	4.839	-.1225	2488.
#2	1016.	3.199	-.0486	4.971	-.1906	2486.
#3	1022.	3.917	.9097	4.735	-.1068	2522.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2893	-.0809	8.486	1.615	7275.	91.86
Stddev	.0627	.2392	.209	.146	35.	22.55
%RSD	21.66	295.9	2.461	9.027	.4747	24.54
#1	-.3593	.1904	8.491	1.479	7243.	103.7
#2	-.2703	-.1712	8.693	1.769	7271.	106.0
#3	-.2383	-.2618	8.275	1.597	7312.	65.86

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1433.	12.39	47.61	.3851	4.473	.5564
Stddev	10.	.12	5.19	.2065	1.236	1.089
%RSD	.6908	.9907	10.90	53.62	27.64	195.7
#1	1424.	12.26	53.60	.5731	5.284	-.2696
#2	1433.	12.39	44.73	.4182	5.084	1.790
#3	1443.	12.51	44.49	.1641	3.050	.1488

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

Sample Name: 460-111474-C-5-E@4 Acquired: 4/12/2016 14:38:19 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0287	-.2493	7.353	3.095	1.272	.5814
Stddev	1.070	1.851	.492	.124	.197	.2094
%RSD	3734.	742.7	6.695	3.998	15.49	36.02
#1	.7219	-2.360	6.798	3.082	1.099	.6018
#2	-1.204	.5112	7.737	3.225	1.230	.3625
#3	.5676	1.101	7.525	2.979	1.487	.7798

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7488	2.717	119.9	340.5
Stddev	.4964	.045	.1	9.2
%RSD	66.29	1.666	.1122	2.690
#1	.2556	2.706	120.1	350.7
#2	1.248	2.679	119.8	337.9
#3	.7426	2.767	119.8	333.0

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	2957.5	38254.	6186.3
Stddev	10.0	66.	45.5
%RSD	.33762	.17369	.73565
#1	2947.7	38291.	6175.3
#2	2967.6	38294.	6236.3
#3	2957.1	38178.	6147.3

Sample Name: 460-111954-D-1-B@4 Acquired: 4/12/2016 14:46:35 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27780.	27.18	.5969	769.4	1.296	34490.
Stddev	140.	2.63	.2480	1.8	.089	183.
%RSD	.5021	9.663	41.55	.2374	6.895	.5299
#1	27790.	29.90	.6790	768.1	1.255	34310.
#2	27630.	26.95	.3182	768.7	1.235	34490.
#3	27910.	24.67	.7935	771.5	1.399	34680.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.547	18.81	77.20	242.4	56460.	1765.
Stddev	.108	.27	.34	1.7	204.	26.
%RSD	3.039	1.422	.4388	.7144	.3612	1.486
#1	3.463	18.78	76.81	240.4	56230.	1790.
#2	3.510	19.09	77.37	243.5	56530.	1738.
#3	3.668	18.56	77.43	243.4	56620.	1766.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11230.	963.0	285.5	66.52	2541.	2.602
Stddev	49.	4.1	6.1	.62	13.	.905
%RSD	.4408	.4245	2.125	.9303	.5136	34.79
#1	11190.	959.5	286.7	65.94	2526.	1.943
#2	11210.	962.2	278.9	66.45	2545.	3.635
#3	11280.	967.5	290.8	67.17	2551.	2.229

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

Sample Name: 460-111954-D-1-B@4 Acquired: 4/12/2016 14:46:35 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.138	-.2909	96.50	1524.	6.613	2.468
Stddev	2.029	1.591	.53	3.	.095	.184
%RSD	178.3	546.8	.5524	.1643	1.434	7.460
#1	.7368	.6811	95.89	1523.	6.660	2.532
#2	3.338	-2.126	96.77	1523.	6.675	2.611
#3	-.6606	.5727	96.85	1527.	6.504	2.260

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	36.19	153.3	921.2	1465.
Stddev	.67	.9	2.5	9.
%RSD	1.841	.5896	.2701	.6334
#1	36.05	153.7	918.6	1455.
#2	36.92	152.2	921.5	1472.
#3	35.61	153.9	923.6	1468.

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

Int. Std.	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	39028.	6500.2
Stddev	2.5	134.	20.2
%RSD	.08433	.34225	.31143
#1	3004.8	39061.	6483.2
#2	3000.8	39142.	6522.6
#3	3000.2	38881.	6494.9

Sample Name: 460-111558-A-2-D@4 Acquired: 4/12/2016 14:58:31 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	119000.	47.08	.7408	200.5	1.531	2673.
Stddev	2131.	1.07	.2163	2.4	.023	36.
%RSD	1.791	2.273	29.20	1.180	1.487	1.363

#1	116800.	47.87	.4920	197.9	1.517	2634.
#2	119200.	47.49	.8836	201.1	1.557	2682.
#3	121000.	45.86	.8469	202.5	1.518	2705.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8409	19.83	24.29	75.66	75570.	714.0
Stddev	.0982	.23	.67	1.52	931.	14.0
%RSD	11.68	1.185	2.776	2.013	1.232	1.957

#1	-.7279	19.70	23.53	73.91	74520.	715.2
#2	-.9056	19.69	24.53	76.41	75900.	699.4
#3	-.8891	20.10	24.81	76.66	76290.	727.3

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	596.5	8264.	262.3	34.51	4.313	1.351
Stddev	6.1	95.	8.5	1.02	1.738	.523
%RSD	1.025	1.148	3.247	2.952	40.30	38.75

#1	593.1	8156.	265.8	33.34	5.944	1.799
#2	592.9	8300.	252.6	34.93	4.511	1.477
#3	603.6	8335.	268.6	35.24	2.485	.7757

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

Sample Name: 460-111558-A-2-D@4 Acquired: 4/12/2016 14:58:31 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.233	3.532	32.27	93.35	7.999	3.827
Stddev	.891	1.820	1.18	1.35	.301	.193
%RSD	27.58	51.53	3.652	1.448	3.764	5.039
#1	2.206	5.547	31.11	91.80	8.169	4.050
#2	3.679	3.041	32.24	93.96	8.176	3.721
#3	3.813	2.007	33.47	94.29	7.651	3.710

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.394	33.16	106.2	2273.
Stddev	.089	.48	1.7	59.
%RSD	6.359	1.460	1.629	2.580
#1	1.492	32.62	104.4	2208.
#2	1.372	33.32	106.4	2291.
#3	1.319	33.55	107.9	2321.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3010.1	38988.	6446.8
Stddev	3.6	235.	16.2
%RSD	.11944	.60161	.25137
#1	3006.8	38732.	6441.6
#2	3013.9	39040.	6433.8
#3	3009.5	39192.	6464.9

Sample Name: CCV Acquired: 4/12/2016 15:06:41 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126300.	2427.	1225.	9862.	1002.	122800.
Stddev	1683.	6.	10.	15.	12.	884.
%RSD	1.332	.2385	.7806	.1530	1.153	.7199

#1	124400.	2420.	1214.	9856.	989.0	121800.
#2	127700.	2429.	1231.	9879.	1010.	123500.
#3	126900.	2431.	1230.	9851.	1007.	123100.

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	1238.	2482.	4838.	12210.	101100.	49230.
Stddev	2.	5.	36.	93.	848.	527.
%RSD	.1330	.1980	.7431	.7615	.8385	1.070

#1	1236.	2476.	4798.	12110.	100100.	48650.
#2	1239.	2485.	4868.	12240.	101600.	49670.
#3	1237.	2484.	4849.	12290.	101600.	49380.

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	120700.	5003.	121800.	2451.	7239.	977.2
Stddev	708.	36.	1198.	4.	15.	2.5
%RSD	.5871	.7238	.9837	.1746	.2115	.2578

#1	119800.	4962.	120500.	2451.	7248.	974.9
#2	121200.	5025.	122900.	2455.	7249.	976.9
#3	120900.	5023.	122000.	2446.	7222.	979.9

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

Sample Name: CCV Acquired: 4/12/2016 15:06:41 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2419.	2530.	2478.	2529.	957.9	2456.
Stddev	10.	11.	19.	4.	1.1	8.
%RSD	.3991	.4343	.7484	.1390	.1188	.3146
#1	2418.	2521.	2457.	2530.	956.7	2447.
#2	2429.	2542.	2485.	2532.	957.9	2463.
#3	2410.	2526.	2493.	2526.	959.0	2458.

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	984.9	5048.	10050.	9587.
Stddev	1.1	62.	96.	71.
%RSD	.1099	1.232	.9594	.7453
#1	985.2	4977.	9944.	9531.
#2	985.8	5094.	10090.	9561.
#3	983.7	5073.	10120.	9667.

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	2832.4	36666.	6097.2
Stddev	16.0	151.	78.2
%RSD	.56592	.41151	1.2824
#1	2815.0	36734.	6114.0
#2	2835.5	36493.	6012.1
#3	2846.6	36771.	6165.7

Sample Name: CCVL Acquired: 4/12/2016 15:14:44 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	220.4	14.95	10.25	204.6	1.851	4997.
Stddev	7.7	.58	.49	.6	.022	7.
%RSD	3.496	3.871	4.810	.2931	1.175	.1492

#1	212.5	14.47	9.742	204.5	1.841	4990.
#2	227.9	14.79	10.73	204.1	1.876	4996.
#3	220.8	15.59	10.27	205.2	1.836	5005.

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	4.129	52.01	10.07	23.94	158.9	4868.
Stddev	.028	.43	.70	.06	6.3	38.
%RSD	.6726	.8301	6.937	.2356	3.945	.7873

#1	4.158	52.32	9.498	23.91	155.2	4828.
#2	4.103	52.19	9.864	23.89	166.1	4871.
#3	4.125	51.52	10.85	24.00	155.3	4905.

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	4795.	15.89	4847.	41.77	9.541	19.90
Stddev	5.	.12	14.	.69	.759	.23
%RSD	.1122	.7796	.2858	1.647	7.952	1.132

#1	4789.	15.75	4831.	41.49	10.03	20.12
#2	4800.	15.93	4854.	42.55	8.666	19.92
#3	4796.	15.99	4855.	41.27	9.929	19.67

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

Sample Name: CCVL Acquired: 4/12/2016 15:14:44 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.82	20.74	50.87	31.76	48.56	19.93
Stddev	1.88	.77	.39	.33	.48	.07
%RSD	10.54	3.696	.7576	1.035	.9956	.3435
#1	18.47	19.88	50.56	31.87	49.02	19.98
#2	19.28	21.35	51.30	32.01	48.60	19.97
#3	15.70	20.99	50.76	31.38	48.06	19.85

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	50.58	20.80	20.92	F 8.102
Stddev	.42	.18	.08	16.68
%RSD	.8284	.8669	.3682	205.9
#1	51.06	20.65	20.98	26.24
#2	50.39	20.74	20.83	-6.573
#3	50.30	21.00	20.93	4.640

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	3003.0	38415.	6170.3
Stddev	17.0	86.	73.5
%RSD	.56639	.22316	1.1910
#1	2995.2	38435.	6247.9
#2	2991.2	38488.	6161.3
#3	3022.5	38321.	6101.8

Sample Name: LCS 460-362090/2-A Acquired: 4/12/2016 15:23:40 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1969.	1836.	48.56	1899.	48.84	19220.
Stddev	16.	7.	.20	1.	.22	105.
%RSD	.8144	.3952	.4050	.0775	.4517	.5437

#1	1974.	1828.	48.68	1898.	48.68	19180.
#2	1951.	1841.	48.33	1901.	49.09	19340.
#3	1981.	1839.	48.66	1899.	48.75	19140.

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	49.39	488.5	195.9	231.9	1005.	17620.
Stddev	.07	.3	.4	1.5	8.	35.
%RSD	.1423	.0683	.1843	.6538	.8136	.1980

#1	49.38	488.2	195.9	230.9	1005.	17610.
#2	49.47	488.5	195.5	231.1	996.5	17660.
#3	49.33	488.9	196.2	233.7	1013.	17600.

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	18590.	498.0	18530.	494.4	455.9	466.2
Stddev	87.	1.2	22.	1.1	1.3	2.0
%RSD	.4670	.2320	.1161	.2173	.2874	.4292

#1	18550.	497.6	18510.	493.2	456.1	463.9
#2	18690.	499.3	18540.	495.3	457.1	467.2
#3	18530.	497.2	18540.	494.7	454.5	467.6

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

Sample Name: LCS 460-362090/2-A Acquired: 4/12/2016 15:23:40 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1928.	2073.	488.3	518.4	475.3	468.1
Stddev	7.	3.	1.8	.4	3.1	1.8
%RSD	.3613	.1507	.3714	.0813	.6564	.3839

#1	1920.	2070.	486.8	518.2	472.3	466.0
#2	1933.	2073.	487.8	518.2	474.9	468.7
#3	1930.	2076.	490.4	518.9	478.5	469.4

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	484.0	483.2	493.4	61.17
Stddev	.3	1.6	.9	9.40
%RSD	.0679	.3233	.1784	15.37

#1	483.6	481.7	493.2	50.74
#2	484.0	484.8	492.7	63.79
#3	484.3	483.0	494.4	68.99

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	3002.8	38092.	6167.7
Stddev	17.9	246.	36.5
%RSD	.59673	.64577	.59181

#1	3021.6	38303.	6194.4
#2	3000.8	37822.	6126.1
#3	2985.9	38153.	6182.6

Sample Name: 460-111929-F-1-B DU Acquired: 4/12/2016 15:27:28 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	157.8	4.338	.0342	187.6	-.0204	130800.
Stddev	10.2	.972	.0841	.6	.0565	206.
%RSD	6.458	22.40	246.0	.2971	277.5	.1572

#1	154.1	3.256	.1235	187.1	.0434	130900.
#2	169.3	4.623	-.0434	188.2	-.0400	130600.
#3	149.9	5.135	.0224	187.4	-.0645	130900.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0160	-.0449	-.0536	1.006	56.38	14630.
Stddev	.0298	.1838	.4142	.258	5.77	134.
%RSD	186.0	409.0	773.0	25.67	10.24	.9155

#1	-.0090	-.0295	.0001	1.173	55.81	14580.
#2	.0096	-.2360	.3312	.7087	50.91	14530.
#3	-.0487	.1307	-.4920	1.137	62.41	14790.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36070.	746.6	F 361800.	.6720	-5.875	-1.320
Stddev	59.	1.1	4134.	.3732	1.309	.719
%RSD	.1644	.1479	1.143	55.53	22.28	54.50

#1	36090.	746.4	358100.	.8002	-5.007	-2.124
#2	36000.	745.5	361000.	.2516	-5.237	-.7364
#3	36110.	747.7	366200.	.9642	-7.381	-1.100

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

Sample Name: 460-111929-F-1-B DU Acquired: 4/12/2016 15:27:28 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.102	2.240	1.242	7.316	191.1	.4742
Stddev	2.575	1.850	.450	.204	.4	.2074
%RSD	83.03	82.60	36.23	2.789	.2263	43.73
#1	-4.245	3.270	.8844	7.549	190.6	.7114
#2	-4.908	3.346	1.095	7.235	191.5	.3274
#3	-.1526	.1039	1.748	7.166	191.2	.3838

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6016	776.5	1.403	10650.
Stddev	.4535	5.1	.062	69.
%RSD	75.38	.6590	4.447	.6472
#1	.1413	773.5	1.332	10700.
#2	.6156	773.6	1.449	10670.
#3	1.048	782.4	1.429	10570.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2851.7	36365.	6049.8
Stddev	10.7	145.	85.9
%RSD	.37659	.39840	1.4199
#1	2863.3	36529.	6090.4
#2	2849.9	36311.	6107.9
#3	2842.0	36254.	5951.1

Sample Name: sd 460-111929-F-1-A@ Acquired: 4/12/2016 15:35:55 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33.83	2.618	.2475	36.98	-.0754	24970.
Stddev	16.64	.879	.4533	.15	.1122	81.
%RSD	49.18	33.59	183.2	.4004	148.8	.3226
#1	52.87	3.481	-.2759	36.84	.0158	24920.
#2	22.02	2.650	.5109	37.14	-.0413	24930.
#3	26.61	1.723	.5075	36.97	-.2006	25060.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0564	-.0412	-.3539	.0880	.4491	2751.
Stddev	.0244	.0175	.2380	.3367	12.42	37.
%RSD	43.26	42.34	67.24	382.8	2766.	1.345
#1	-.0725	-.0612	-.6187	.4767	13.65	2708.
#2	-.0283	-.0338	-.1577	-.1063	-1.301	2769.
#3	-.0685	-.0287	-.2854	-.1065	-11.00	2776.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6979.	147.9	69730.	.4687	.3800	.4517
Stddev	12.	.5	376.	.7720	1.548	.8759
%RSD	.1776	.3174	.5396	164.7	407.3	193.9
#1	6977.	147.5	69550.	.1477	-.0139	.6339
#2	6967.	148.0	69470.	1.349	2.087	1.222
#3	6992.	148.4	70160.	-.0909	-.9328	-.5010

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

Sample Name: sd 460-111929-F-1-A@ Acquired: 4/12/2016 15:35:55 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.100	2.564	.2470	1.823	36.62	-.1844
Stddev	1.596	.879	.3176	.071	.56	.1199
%RSD	145.1	34.28	128.6	3.881	1.525	65.01
#1	.1550	2.487	.5831	1.744	37.16	-.0701
#2	-.5594	1.726	.2060	1.881	36.64	-.3092
#3	-2.897	3.478	-.0481	1.843	36.05	-.1740

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.172	151.9	.9091	1989.
Stddev	.394	.6	.0435	20.
%RSD	33.59	.3662	4.787	.9876
#1	1.275	151.3	.8625	1971.
#2	.7369	152.3	.9164	2010.
#3	1.504	152.1	.9486	1986.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2910.4	37346.	6054.4
Stddev	6.9	129.	29.3
%RSD	.23822	.34450	.48464
#1	2918.4	37495.	6078.8
#2	2906.2	37278.	6062.6
#3	2906.7	37266.	6021.8

Sample Name: 460-111929-F-1-C MS Acquired: 4/12/2016 15:40:02 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2133.	1908.	47.99	2079.	49.22	149100.
Stddev	9.	12.	.61	6.	.14	502.
%RSD	.4002	.6258	1.278	.2654	.2768	.3368

#1	2125.	1894.	47.28	2073.	49.13	148900.
#2	2142.	1912.	48.40	2081.	49.15	149700.
#3	2133.	1917.	48.27	2083.	49.38	148700.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.00	478.0	193.0	238.0	1025.	32750.
Stddev	.14	.3	.9	.8	1.	13.
%RSD	.2948	.0635	.4408	.3276	.1206	.0393

#1	47.84	477.7	193.6	237.3	1024.	32740.
#2	48.07	478.0	193.5	238.8	1024.	32760.
#3	48.10	478.3	192.0	237.8	1026.	32750.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54550.	1225.	F 381400.	480.5	442.1	475.2
Stddev	241.	2.	4606.	1.4	.6	1.4
%RSD	.4414	.2006	1.208	.2930	.1303	.2973

#1	54390.	1223.	377500.	479.4	441.7	473.6
#2	54820.	1228.	380200.	482.1	441.9	475.6
#3	54420.	1224.	386500.	480.0	442.8	476.3

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

Sample Name: 460-111929-F-1-C MS Acquired: 4/12/2016 15:40:02 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1955.	1957.	495.4	509.0	675.9	472.3
Stddev	17.	12.	2.3	.8	2.3	2.3
%RSD	.8708	.5932	.4617	.1557	.3459	.4763
#1	1936.	1944.	494.3	509.7	673.3	470.0
#2	1963.	1967.	498.1	508.1	676.8	472.4
#3	1967.	1960.	493.9	509.0	677.7	474.5

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	483.4	1259.	497.0	10600.
Stddev	1.2	.	.3	138.
%RSD	.2556	.0361	.0678	1.299
#1	482.3	1259.	497.1	10500.
#2	483.2	1259.	496.6	10760.
#3	484.7	1258.	497.2	10530.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2799.1	35822.	5937.5
Stddev	19.2	199.	48.8
%RSD	.68504	.55509	.82180
#1	2820.7	36029.	5965.4
#2	2792.3	35633.	5965.9
#3	2784.2	35804.	5881.1

Sample Name: 460-111726-B-9-A Acquired: 4/12/2016 15:47:52 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3318.	20.96	-.2301	70.51	.1109	56790.
Stddev	11.	.61	.7860	.31	.0364	381.
%RSD	.3455	2.902	341.5	.4362	32.79	.6707
#1	3326.	21.39	.5438	70.86	.1472	56350.
#2	3324.	20.27	-.2065	70.35	.1111	57040.
#3	3305.	21.24	-1.028	70.31	.0745	56980.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0007	4.224	23.02	9.805	6242.	2697.
Stddev	.0768	.211	.47	.223	55.	41.
%RSD	11440.	5.000	2.053	2.276	.8749	1.509
#1	.0858	4.109	22.48	9.785	6179.	2732.
#2	-.0272	4.468	23.36	10.04	6268.	2706.
#3	-.0607	4.096	23.21	9.593	6278.	2652.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5051.	1664.	4118.	18.27	-1.627	1.082
Stddev	24.	7.	42.	.59	1.377	.443
%RSD	.4693	.4362	1.021	3.205	84.66	40.96
#1	5029.	1656.	4161.	18.87	-3.217	.9572
#2	5048.	1667.	4115.	18.25	-.8400	1.574
#3	5076.	1669.	4077.	17.70	-.8230	.7148

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

Sample Name: 460-111726-B-9-A Acquired: 4/12/2016 15:47:52 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.037	4.546	4.048	19.45	11.41	6.896
Stddev	4.245	2.482	.172	.01	.51	.112
%RSD	208.4	54.61	4.248	.0311	4.465	1.631
#1	-1.195	6.301	4.207	19.45	11.72	6.868
#2	-6.903	5.630	4.071	19.45	10.82	6.801
#3	.9107	1.706	3.866	19.44	11.68	7.020

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	1.267	102.4	27.15	6785.
Stddev	.139	.8	2.82	90.
%RSD	10.96	.7991	10.39	1.333
#1	1.423	103.3	30.34	6861.
#2	1.158	101.7	26.12	6685.
#3	1.220	102.2	24.98	6810.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2955.5	37726.	6190.0
Stddev	12.4	516.	75.5
%RSD	.42110	1.3683	1.2201
#1	2969.6	38322.	6272.7
#2	2950.7	37404.	6124.8
#3	2946.1	37453.	6172.5

Sample Name: 460-111748-A-1-A Acquired: 4/12/2016 15:55:56 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	91.33	3.939	-.0001	29.08	-.0427	70660.
Stddev	13.96	1.198	.3295	.16	.0411	330.
%RSD	15.28	30.41	335900.	.5599	96.38	.4667
#1	79.97	4.151	.0656	29.00	-.0669	70710.
#2	106.9	5.016	-.3575	29.27	-.0659	70310.
#3	87.12	2.649	.2917	28.98	.0048	70970.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0905	-.0265	.0310	4.531	502.6	2879.
Stddev	.0462	.1958	.3027	.278	20.3	69.
%RSD	51.00	740.0	977.4	6.129	4.038	2.394
#1	.0545	-.1992	-.1507	4.239	493.9	2866.
#2	.0745	.1863	.3805	4.791	488.0	2953.
#3	.1425	-.0665	-.1368	4.565	525.8	2817.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9004.	4.503	194800.	5.063	.3435	-.2583
Stddev	10.	.057	441.	.752	.7058	1.169
%RSD	.1090	1.275	.2264	14.86	205.5	452.5
#1	9006.	4.566	194300.	5.731	1.108	.1954
#2	8994.	4.491	195200.	5.209	.2046	-1.586
#3	9013.	4.453	194800.	4.248	-.2825	.6156

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

Sample Name: 460-111748-A-1-A Acquired: 4/12/2016 15:55:56 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.974	3.537	.0264	10.33	27.59	24.27
Stddev	1.457	1.118	.5306	.25	.25	.14
%RSD	36.67	31.62	2013.	2.443	.9034	.5578
#1	-4.080	2.570	-.5182	10.63	27.53	24.25
#2	-2.467	3.279	.5417	10.17	27.86	24.42
#3	-5.376	4.762	.0556	10.20	27.37	24.16

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5629	182.7	1.558	1982.
Stddev	.7481	1.4	.198	27.
%RSD	132.9	.7564	12.68	1.345
#1	.6901	181.2	1.441	1953.
#2	-.2407	184.0	1.448	2005.
#3	1.239	182.9	1.786	1987.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2884.2	36929.	6194.6
Stddev	7.1	257.	31.1
%RSD	.24734	.69493	.50285
#1	2892.3	37035.	6197.6
#2	2881.4	37115.	6224.1
#3	2878.8	36636.	6162.0

Sample Name: 460-111752-I-1-A@2 Acquired: 4/12/2016 16:00:12 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40.26	11.54	-.0029	28.53	-.0926	15280.
Stddev	11.92	1.52	.1344	.09	.0289	104.
%RSD	29.60	13.21	4686.	.3171	31.25	.6815
#1	42.21	12.91	.0322	28.44	-.0597	15350.
#2	51.07	9.896	.1105	28.62	-.1140	15320.
#3	27.48	11.81	-.1513	28.55	-.1040	15160.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0502	.8808	1.510	1.816	2329.	7570.
Stddev	.1481	.0713	.467	.029	18.	69.
%RSD	295.1	8.092	30.92	1.576	.7677	.9118
#1	.2193	.9526	1.515	1.784	2342.	7567.
#2	-.0124	.8798	1.040	1.822	2336.	7503.
#3	-.0563	.8101	1.974	1.841	2309.	7641.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4966.	182.4	56350.	4.793	-.6320	-.0366
Stddev	37.	1.5	148.	.176	1.027	1.775
%RSD	.7468	.8394	.2634	3.669	162.6	4852.
#1	4997.	183.7	56440.	4.994	-1.813	1.016
#2	4975.	182.8	56180.	4.716	-.1364	.9606
#3	4925.	180.7	56430.	4.669	.0538	-2.086

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

Sample Name: 460-111752-I-1-A@2 Acquired: 4/12/2016 16:00:12 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.9784	1.946	.8133	7.233	427.8	.7175
Stddev	1.355	.533	.1235	.036	1.4	.1187
%RSD	138.5	27.39	15.19	.5007	.3181	16.55
#1	.4871	2.503	.8338	7.196	426.3	.6434
#2	-2.186	1.441	.9253	7.234	428.1	.6547
#3	-1.236	1.893	.6808	7.268	429.0	.8544

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.250	122.4	.7905	1494.
Stddev	1.009	.6	.0740	9.
%RSD	80.71	.4892	9.367	.5832
#1	.9988	122.1	.7070	1491.
#2	.3907	122.0	.8162	1504.
#3	2.361	123.1	.8483	1488.

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

Int. Std.	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	37483.	6100.7
Stddev	15.6	171.	49.9
%RSD	.52849	.45671	.81856
#1	2930.8	37383.	6057.0
#2	2944.8	37385.	6089.9
#3	2961.8	37680.	6155.1

Sample Name: CCB Acquired: 4/12/2016 16:08:13 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.142	1.192	-.3003	.1196	-.1835	1.801
Stddev	11.10	.712	.2654	.1440	.0584	3.212
%RSD	353.2	59.78	88.36	120.3	31.85	178.4
#1	3.412	2.002	-.0992	.2004	-.1203	2.749
#2	14.10	.9086	-.6011	.2050	-.1946	-1.778
#3	-8.088	.6642	-.2007	-.0466	-.2356	4.431

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1156	.0151	.2637	.0160	2.231	8.986
Stddev	.1165	.2829	.5837	.2020	5.298	8.828
%RSD	100.8	1876.	221.4	1264.	237.4	98.24
#1	.1222	-.2191	.2672	.2331	-3.782	7.096
#2	-.0041	-.0650	.8457	-.0187	6.211	1.257
#3	.2286	.3294	-.3218	-.1664	4.266	18.61

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.866	.1285	39.60	.3797	1.481	1.249
Stddev	5.309	.0605	10.46	.2038	1.853	1.436
%RSD	137.3	47.10	26.43	53.67	125.1	115.0
#1	9.886	.1765	51.39	.2499	3.588	2.903
#2	-.1502	.1485	35.96	.2746	.1031	.3149
#3	1.863	.0605	31.43	.6147	.7528	.5294

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

Sample Name: CCB Acquired: 4/12/2016 16:08:13 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.126	.2734	-.3847	.1986	1.447	.8995
Stddev	2.427	2.056	.2810	.1337	.446	.6119
%RSD	215.6	751.9	73.06	67.34	30.86	68.03
#1	1.619	2.619	-.1004	.2480	1.751	1.537
#2	3.269	-.5850	-.3913	.3006	1.654	.8448
#3	-1.510	-1.214	-.6623	.0472	.9341	.3168

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7885	.1303	.4112	13.23
Stddev	.4458	.0353	.0385	9.11
%RSD	56.53	27.07	9.368	68.88
#1	.8274	.1076	.3951	5.099
#2	1.214	.1709	.4551	11.51
#3	.3246	.1123	.3833	23.08

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	2964.8	37634.	6040.8
Stddev	4.8	51.	22.8
%RSD	.16136	.13489	.37825
#1	2959.7	37692.	6056.5
#2	2965.5	37606.	6014.6
#3	2969.1	37602.	6051.4

Sample Name: CCVL Acquired: 4/12/2016 16:12:23 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	216.1	14.27	9.707	204.6	1.912	5034.
Stddev	9.5	.68	.083	.4	.032	40.
%RSD	4.420	4.743	.8512	.2090	1.657	.7978
#1	209.2	14.40	9.802	204.2	1.948	5073.
#2	212.1	13.54	9.657	204.8	1.887	5035.
#3	227.0	14.87	9.662	205.0	1.902	4993.

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	4.158	52.12	9.863	24.39	151.0	4908.
Stddev	.150	.37	.445	.10	15.8	39.
%RSD	3.600	.7056	4.509	.4238	10.46	.7974
#1	4.323	51.84	10.38	24.32	151.7	4889.
#2	4.032	52.54	9.595	24.34	134.9	4882.
#3	4.119	51.99	9.617	24.51	166.4	4953.

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	4824.	15.97	4877.	42.15	10.47	21.01
Stddev	40.	.13	21.	.51	.34	.60
%RSD	.8202	.8411	.4273	1.203	3.271	2.864
#1	4863.	15.99	4853.	41.63	10.08	20.51
#2	4825.	16.09	4889.	42.17	10.70	21.68
#3	4784.	15.82	4890.	42.64	10.65	20.84

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

Sample Name: CCVL Acquired: 4/12/2016 16:12:23 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.07	21.46	51.02	31.85	49.07	19.56
Stddev	2.11	2.34	.26	.10	.27	.20
%RSD	11.69	10.91	.5004	.3055	.5436	1.014
#1	17.45	22.58	50.99	31.76	48.92	19.65
#2	20.42	23.04	51.28	31.83	48.91	19.69
#3	16.34	18.77	50.77	31.96	49.38	19.33

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	50.51	20.81	20.84	F 7.364
Stddev	.70	.10	.12	9.462
%RSD	1.394	.5003	.5588	128.5
#1	50.71	20.74	20.73	2.038
#2	51.09	20.93	20.96	18.29
#3	49.72	20.76	20.82	1.766

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	2983.9	38164.	6117.6
Stddev	10.5	333.	69.4
%RSD	.35105	.87198	1.1337
#1	2976.0	37782.	6049.4
#2	2995.8	38316.	6188.0
#3	2980.1	38394.	6115.4

Sample Name: 460-111752-I-2-A@2 Acquired: 4/12/2016 16:16:28 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54.73	15.65	-1.547	31.58	-.0864	15910.
Stddev	7.15	.71	.5828	.16	.0550	81.
%RSD	13.06	4.554	376.7	.4969	63.67	.5108

#1	61.41	15.11	.3695	31.75	-.0794	16010.
#2	55.57	15.39	-.0513	31.44	-.1445	15870.
#3	47.20	16.46	-.7824	31.55	-.0352	15860.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0445	.8019	1.460	.9097	3542.	7952.
Stddev	.0473	.3379	.435	.2670	13.	17.
%RSD	106.2	42.14	29.82	29.35	.3623	.2146

#1	-.0070	.8940	1.769	1.152	3548.	7934.
#2	.0860	.4275	1.649	.9537	3550.	7954.
#3	.0546	1.084	.9623	.6234	3527.	7968.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5101.	190.4	58570.	3.837	-.3814	.1593
Stddev	40.	.9	123.	.801	2.658	1.024
%RSD	.7744	.4553	.2104	20.87	696.9	642.8

#1	5146.	191.4	58490.	4.251	-.3500	-.7282
#2	5076.	189.8	58710.	4.347	2.261	-.0739
#3	5079.	190.0	58510.	2.914	-3.055	1.280

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

Sample Name: 460-111752-I-2-A@2 Acquired: 4/12/2016 16:16:28 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8224	2.627	.4251	4.608	448.6	.8306
Stddev	1.632	1.391	.3214	.234	1.2	.1582
%RSD	198.5	52.94	75.60	5.073	.2672	19.05

#1	-1.890	1.081	.7891	4.567	449.7	.6765
#2	-1.634	3.777	.1802	4.859	447.3	.9927
#3	1.057	3.023	.3061	4.397	448.7	.8225

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1217	131.3	.8405	1646.
Stddev	1.114	.1	.0993	6.
%RSD	915.9	.0573	11.81	.3409

#1	.8780	131.3	.7389	1645.
#2	.6452	131.2	.8454	1652.
#3	-1.158	131.4	.9373	1641.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2961.2	37896.	6216.5
Stddev	11.4	222.	36.6
%RSD	.38476	.58480	.58845

#1	2969.6	38079.	6249.5
#2	2965.8	37961.	6222.8
#3	2948.2	37650.	6177.2

Sample Name: 460-111929-F-1-A Acquired: 4/12/2016 15:31:42 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	157.8	5.798	-.2902	189.5	-.1385	131500.
Stddev	15.4	2.605	.1890	.5	.1300	99.
%RSD	9.751	44.93	65.11	.2620	93.88	.0756

#1	166.4	7.359	-.5060	189.0	-.0586	131600.
#2	140.0	2.791	-.2105	189.5	-.0683	131400.
#3	166.9	7.245	-.1542	190.0	-.2885	131500.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0475	.0705	-.7639	.9390	44.46	14600.
Stddev	.0611	.1421	.4579	.2067	14.95	71.
%RSD	128.7	201.5	59.95	22.01	33.63	.4853

#1	.1014	.2009	-1.291	.7366	61.62	14670.
#2	-.0189	.0915	-.4620	1.150	34.26	14610.
#3	.0601	-.0809	-.5388	.9308	37.48	14530.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36410.	749.9	F 363100.	1.016	-5.094	-1.311
Stddev	19.	.5	8590.	.389	.865	2.253
%RSD	.0511	.0674	2.366	38.24	16.98	171.9

#1	36400.	750.2	353300.	1.451	-5.152	-3.768
#2	36400.	750.2	366600.	.8921	-4.202	.6590
#3	36430.	749.3	369400.	.7047	-5.929	-.8230

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

Sample Name: 460-111929-F-1-A Acquired: 4/12/2016 15:31:42 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.532	2.419	1.779	7.250	193.0	.3421
Stddev	1.769	.929	.233	.176	.5	.1546
%RSD	115.5	38.42	13.10	2.429	.2824	45.18
#1	.4905	3.489	1.729	7.163	192.4	.3714
#2	-2.291	1.814	2.033	7.134	193.5	.4799
#3	-2.794	1.954	1.575	7.452	193.1	.1750

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3684	776.7	1.330	10800.
Stddev	.8450	2.2	.091	81.
%RSD	229.3	.2869	6.826	.7501
#1	.9953	778.6	1.412	10900.
#2	-.5925	777.2	1.232	10780.
#3	.7026	774.2	1.346	10740.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2825.5	36093.	6095.9
Stddev	13.4	202.	69.6
%RSD	.47390	.55988	1.1411
#1	2836.0	36318.	6155.9
#2	2830.0	36034.	6112.2
#3	2810.4	35927.	6019.7

Sample Name: pds 460-111929-F-1-A Acquired: 4/12/2016 15:43:57 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2145.	1963.	7.460	2122.	49.59	148500.
Stddev	9.	28.	.094	18.	.38	160.
%RSD	.4250	1.408	1.258	.8556	.7662	.1080
#1	2143.	1936.	7.445	2105.	49.56	148500.
#2	2154.	1963.	7.375	2122.	49.23	148700.
#3	2136.	1991.	7.561	2141.	49.99	148300.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.23	488.8	198.3	244.6	1038.	32980.
Stddev	.44	3.0	1.5	2.7	13.	131.
%RSD	.8875	.6044	.7764	1.086	1.252	.3977
#1	48.82	485.9	196.9	242.3	1053.	32870.
#2	49.19	488.6	198.1	244.1	1029.	32930.
#3	49.69	491.8	200.0	247.5	1031.	33120.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54900.	1229.	F 375000.	494.1	452.4	488.7
Stddev	250.	2.	2177.	4.6	4.5	5.6
%RSD	.4560	.1695	.5805	.9294	.9930	1.140
#1	54660.	1226.	372700.	489.5	447.4	483.7
#2	54890.	1230.	375100.	494.1	453.9	487.7
#3	55160.	1230.	377100.	498.7	456.0	494.7

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

Sample Name: pds 460-111929-F-1-A Acquired: 4/12/2016 15:43:57 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2018.	2001.	503.0	517.8	693.1	484.0
Stddev	34.	17.	2.3	2.7	8.4	5.5
%RSD	1.673	.8661	.4633	.5213	1.213	1.146
#1	1985.	1988.	500.7	515.4	684.3	478.6
#2	2018.	1994.	502.9	517.3	693.9	483.9
#3	2052.	2021.	505.4	520.7	701.1	489.7

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	493.9	1261.	503.3	10550.
Stddev	4.1	7.	1.8	44.
%RSD	.8378	.5494	.3544	.4129
#1	490.7	1255.	501.4	10510.
#2	492.4	1259.	503.7	10560.
#3	498.6	1268.	504.9	10590.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2812.8	36046.	6037.4
Stddev	5.9	123.	31.0
%RSD	.20965	.34133	.51294
#1	2819.2	36175.	6002.4
#2	2811.7	35930.	6048.2
#3	2807.5	36033.	6061.5

Sample Name: 460-111892-A-1-A Acquired: 4/12/2016 16:28:28 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	147.1	3.096	-.2087	35.46	-.1308	94460.
Stddev	10.7	.801	.4675	.13	.0179	369.
%RSD	7.259	25.88	224.0	.3760	13.68	.3906
#1	135.0	3.068	-.1655	35.33	-.1475	94870.
#2	155.0	3.911	-.6962	35.60	-.1329	94350.
#3	151.3	2.309	.2357	35.46	-.1119	94160.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1352	.4786	1.773	88.93	1003.	11140.
Stddev	.0794	.4327	.107	.25	20.	25.
%RSD	58.77	90.41	6.020	.2774	1.946	.2240
#1	.1044	.4787	1.866	88.73	1001.	11170.
#2	.0757	.9112	1.798	89.21	1024.	11150.
#3	.2254	.0459	1.656	88.85	984.9	11120.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6255.	36.15	151600.	2.933	-1.784	-.5539
Stddev	29.	.22	611.	.519	1.055	1.222
%RSD	.4641	.6187	.4029	17.69	59.14	220.6
#1	6236.	36.30	152200.	3.513	-2.680	.4669
#2	6288.	36.27	151400.	2.774	-.6212	-.2205
#3	6240.	35.89	151100.	2.512	-2.051	-1.908

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

Sample Name: 460-111892-A-1-A Acquired: 4/12/2016 16:28:28 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {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	2.237	.1921	100.3	31.24	187.6
Stddev	1.415	1.765	.4094	.2	.50	.3
%RSD	80.52	78.89	213.1	.2284	1.600	.1670
#1	-.7025	.7694	.3516	100.1	31.82	187.7
#2	-1.204	4.195	.4978	100.5	30.97	187.9
#3	-3.366	1.747	-.2730	100.3	30.93	187.3

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	.8136	364.4	1.407	8248.
Stddev	.4671	1.1	.040	38.
%RSD	57.41	.3149	2.813	.4601
#1	.4010	365.5	1.426	8212.
#2	.7190	364.3	1.362	8287.
#3	1.321	363.2	1.434	8244.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2906.6	37408.	6215.8
Stddev	8.4	94.	44.9
%RSD	.28964	.25064	.72224
#1	2915.2	37498.	6167.6
#2	2906.2	37414.	6223.6
#3	2898.4	37311.	6256.3

Sample Name: 460-111929-B-3-A Acquired: 4/12/2016 16:40:56 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	137.0	2.478	-.0398	190.1	-.1394	130200.
Stddev	15.6	3.188	.5411	.8	.1349	494.
%RSD	11.37	128.7	1359.	.4017	96.80	.3791

#1	121.2	.5080	.2850	189.4	-.2511	129700.
#2	152.3	.7691	.2601	189.9	-.1776	130400.
#3	137.6	6.157	-.6645	190.9	.0105	130600.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0407	-.2412	-.6342	1.176	52.28	14670.
Stddev	.0693	.1719	.3467	.259	4.21	22.
%RSD	170.3	71.27	54.67	21.99	8.043	.1525

#1	.1042	-.2981	-.2890	.9277	49.03	14690.
#2	.0512	-.0480	-.6311	1.157	57.03	14650.
#3	-.0332	-.3774	-.9824	1.444	50.77	14650.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36070.	745.3	F 365200.	1.287	-4.998	-1.650
Stddev	113.	1.6	2402.	.130	1.238	1.563
%RSD	.3126	.2144	.6577	10.12	24.77	94.75

#1	35950.	743.5	367900.	1.310	-3.880	-2.878
#2	36170.	745.9	363600.	1.147	-6.329	-2.181
#3	36100.	746.6	364000.	1.405	-4.785	.1097

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

Sample Name: 460-111929-B-3-A Acquired: 4/12/2016 16:40:56 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.683	2.985	1.021	5.640	194.0	.3654
Stddev	3.807	.497	.591	.129	.4	.3497
%RSD	81.28	16.64	57.92	2.290	.1899	95.72
#1	-2.481	2.795	1.575	5.615	193.6	.7692
#2	-9.079	2.611	1.090	5.526	194.0	.1653
#3	-2.490	3.549	.3982	5.780	194.4	.1616

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7034	784.0	1.195	10780.
Stddev	.7984	.5	.186	26.
%RSD	113.5	.0684	15.53	.2420
#1	.1057	784.6	1.152	10750.
#2	1.610	783.7	1.035	10770.
#3	.3945	783.8	1.398	10810.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2828.8	36328.	6054.6
Stddev	12.2	288.	26.7
%RSD	.43067	.79145	.44111
#1	2840.9	36624.	6085.3
#2	2829.2	36311.	6036.6
#3	2816.5	36050.	6041.8

Sample Name: 460-111773-B-1-B MS Acquired: 4/12/2016 16:49:18 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2281.	1908.	48.72	2039.	49.34	95470.
Stddev	14.	5.	.48	3.	.29	142.
%RSD	.6203	.2651	.9827	.1524	.5883	.1491
#1	2284.	1914.	48.37	2037.	49.68	95600.
#2	2265.	1904.	48.53	2042.	49.17	95320.
#3	2293.	1906.	49.27	2037.	49.18	95490.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.37	495.4	200.6	244.1	1232.	54880.
Stddev	.14	1.0	1.7	.9	8.	72.
%RSD	.2931	.1941	.8558	.3529	.6462	.1314
#1	49.26	495.4	201.1	244.8	1224.	54830.
#2	49.54	496.4	198.7	243.2	1239.	54960.
#3	49.33	494.4	202.0	244.4	1234.	54840.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26100.	2250.	37640.	500.4	461.9	475.5
Stddev	28.	.	85.	1.3	1.5	.8
%RSD	.1091	.0219	.2269	.2503	.3228	.1788
#1	26130.	2250.	37550.	500.8	463.2	475.2
#2	26110.	2250.	37720.	501.5	462.2	474.9
#3	26070.	2249.	37660.	499.0	460.3	476.5

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

Sample Name: 460-111773-B-1-B MS Acquired: 4/12/2016 16:49:18 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1973.	2077.	502.0	524.0	506.9	506.6
Stddev	7.	7.	.7	2.2	4.0	1.3
%RSD	.3625	.3498	.1425	.4277	.7887	.2650
#1	1974.	2075.	502.4	525.9	508.1	506.2
#2	1965.	2071.	502.5	524.7	502.5	505.5
#3	1979.	2085.	501.2	521.5	510.2	508.1

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	493.5	923.9	503.1	2742.
Stddev	1.8	1.6	.9	29.
%RSD	.3654	.1721	.1702	1.049
#1	495.6	923.8	504.1	2733.
#2	492.2	925.6	502.6	2774.
#3	492.8	922.4	502.7	2719.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2883.9	36667.	5951.9
Stddev	16.9	143.	45.0
%RSD	.58622	.38901	.75581
#1	2885.3	36746.	6000.1
#2	2866.3	36753.	5944.6
#3	2900.1	36502.	5911.0

Sample Name: 460-111773-B-2-A Acquired: 4/12/2016 16:53:06 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	866.7	33.81	-4648	236.9	-.0490	F 621400.
Stddev	8.7	1.27	.0639	.1	.0213	2540.
%RSD	1.009	3.748	13.75	.0469	43.48	.4087
#1	875.2	32.80	-.4575	236.8	-.0359	624300.
#2	857.7	35.23	-.5320	237.0	-.0735	619800.
#3	867.4	33.39	-.4048	236.9	-.0374	620000.
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	.1036	1.319	77.83	6.763	424.0	1071.
Stddev	.0560	.186	.83	.126	12.4	21.
%RSD	54.09	14.14	1.062	1.858	2.935	1.929
#1	.0973	1.344	77.74	6.838	422.9	1088.
#2	.0510	1.121	78.70	6.618	412.2	1077.
#3	.1625	1.492	77.06	6.832	437.0	1048.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6444.	2561.	6185.	15.69	-1.960	-1.893
Stddev	49.	8.	55.	.63	1.278	1.116
%RSD	.7612	.2979	.8946	4.028	65.19	58.92
#1	6475.	2565.	6209.	16.32	-2.490	-1.433
#2	6470.	2565.	6224.	15.69	-.5025	-3.165
#3	6388.	2552.	6121.	15.06	-2.887	-1.081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111773-B-2-A Acquired: 4/12/2016 16:53:06 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.320	5.134	4.335	42.34	13.88	7.599
Stddev	1.812	1.559	.232	.21	.55	.246
%RSD	41.94	30.36	5.342	.4932	3.993	3.234
#1	-4.921	6.016	4.479	42.58	14.22	7.642
#2	-5.754	3.334	4.458	42.26	14.18	7.820
#3	-2.284	6.052	4.067	42.19	13.24	7.335

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.491	627.7	1.119	4653.
Stddev	.657	3.1	.868	55.
%RSD	44.09	.4866	77.57	1.190
#1	1.720	627.0	1.415	4620.
#2	2.004	631.0	1.801	4717.
#3	.7499	625.1	.1418	4622.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2790.2	36274.	6141.5
Stddev	4.6	171.	72.6
%RSD	.16461	.47025	1.1827
#1	2792.7	36155.	6079.5
#2	2784.9	36198.	6123.5
#3	2793.1	36469.	6221.4

Sample Name: CCB Acquired: 4/12/2016 17:01:11 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.681	.5250	-.1999	.0219	-.0718	2.291
Stddev	19.24	1.331	.3686	.0336	.0717	2.428
%RSD	717.6	253.5	184.4	153.3	99.91	106.0

#1	-9.249	1.917	.2233	.0241	-.1348	-.1407
#2	18.98	.3918	-.3715	-.0127	.0063	4.716
#3	-17.77	-.7341	-.4513	.0544	-.0868	2.299

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0346	-.1502	.2960	.0401	-1.566	34.98
Stddev	.1190	.1736	.0803	.1891	10.74	5.98
%RSD	343.6	115.6	27.11	471.1	686.0	17.09

#1	.1580	-.0962	.2349	.2440	7.204	41.67
#2	.0254	-.3445	.3869	.0059	1.645	33.12
#3	-.0795	-.0100	.2663	-.1295	-13.55	30.16

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0460	.0206	48.16	.1439	1.269	1.018
Stddev	1.268	.0534	3.93	.2360	1.701	.630
%RSD	2754.	258.8	8.157	164.0	134.1	61.90

#1	1.374	.0751	43.70	-.1280	1.198	.2929
#2	-1.065	-.0316	51.12	.2649	-.3955	1.328
#3	-.4471	.0183	49.64	.2950	3.004	1.433

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

Sample Name: CCB Acquired: 4/12/2016 17:01:11 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.338	.0336	-.2817	.1769	1.151	.6708
Stddev	.695	.4003	.3352	.2066	.264	.1785
%RSD	51.94	1191.	119.0	116.8	22.90	26.60
#1	1.362	-.1314	-.4915	.2898	1.376	.8724
#2	2.022	-.2578	.1049	.3024	.8610	.6069
#3	.6319	.4901	-.4585	-.0616	1.216	.5331

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.102	.0729	.3860	4.301
Stddev	.396	.0506	.1369	5.369
%RSD	35.91	69.44	35.47	124.8
#1	1.366	.1305	.5378	10.23
#2	.6468	.0352	.3485	2.896
#3	1.293	.0531	.2718	-.2253

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	2974.9	37844.	6013.5
Stddev	6.8	286.	52.6
%RSD	.22841	.75509	.87483
#1	2982.7	38162.	6074.2
#2	2971.7	37610.	5985.1
#3	2970.4	37758.	5981.2

Sample Name: 460-111726-B-10-A Acquired: 4/12/2016 15:51:55 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2996.	32.07	-.2939	69.29	.1398	120300.
Stddev	28.	1.27	.4226	.13	.0451	789.
%RSD	.9302	3.957	143.8	.1938	32.23	.6557

#1	2964.	30.61	-.4981	69.27	.0879	121100.
#2	3009.	32.88	.1920	69.43	.1627	120000.
#3	3016.	32.73	-.5757	69.17	.1689	119600.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0050	10.38	270.1	32.65	7574.	2068.
Stddev	.0302	.06	2.1	.43	20.	10.
%RSD	606.2	.5627	.7670	1.313	.2639	.4941

#1	-.0287	10.35	272.2	32.63	7593.	2068.
#2	.0290	10.45	270.1	32.23	7554.	2058.
#3	-.0152	10.34	268.1	33.09	7576.	2079.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6070.	2816.	3564.	189.1	-1.743	-.3964
Stddev	26.	12.	14.	.7	.793	1.882
%RSD	.4325	.4351	.4034	.3705	45.51	474.7

#1	6100.	2829.	3573.	189.5	-2.040	.2286
#2	6054.	2813.	3547.	189.6	-.8443	1.093
#3	6055.	2805.	3570.	188.3	-2.346	-2.511

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

Sample Name: 460-111726-B-10-A Acquired: 4/12/2016 15:51:55 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.982	4.044	3.701	26.60	9.527	31.91
Stddev	2.184	3.503	.118	.39	.236	.38
%RSD	73.23	86.63	3.199	1.476	2.483	1.193
#1	-4.742	8.079	3.573	26.93	9.789	31.74
#2	-3.666	1.777	3.807	26.71	9.461	32.34
#3	-5.383	2.276	3.723	26.17	9.330	31.64

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	1.461	168.0	15.14	6732.
Stddev	.349	1.0	.36	32.
%RSD	23.88	.6230	2.402	.4823
#1	1.828	167.2	15.13	6761.
#2	1.420	167.7	15.51	6697.
#3	1.134	169.2	14.78	6736.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2939.2	37608.	6195.7
Stddev	3.2	113.	38.6
%RSD	.10833	.30065	.62281
#1	2939.7	37482.	6239.4
#2	2935.8	37642.	6181.4
#3	2942.1	37701.	6166.3

Sample Name: CCV Acquired: 4/12/2016 16:04:20 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126400.	2425.	1219.	9901.	996.9	122300.
Stddev	251.	7.	1.	13.	3.5	214.
%RSD	.1988	.2923	.0857	.1354	.3555	.1748

#1	126600.	2433.	1218.	9914.	1001.	122100.
#2	126500.	2420.	1220.	9902.	994.5	122500.
#3	126100.	2421.	1220.	9887.	995.1	122400.

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	1236.	2480.	4817.	12230.	100000.	49180.
Stddev	3.	6.	14.	6.	180.	77.
%RSD	.2803	.2444	.2979	.0460	.1802	.1561

#1	1239.	2486.	4801.	12230.	99830.	49270.
#2	1237.	2479.	4821.	12230.	100200.	49130.
#3	1233.	2474.	4829.	12220.	100100.	49150.

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	120500.	4994.	122200.	2456.	7267.	973.3
Stddev	313.	4.	377.	4.	15.	5.8
%RSD	.2600	.0822	.3085	.1728	.2108	.5916

#1	120100.	4993.	122700.	2459.	7283.	977.1
#2	120700.	4999.	122100.	2456.	7266.	966.7
#3	120700.	4991.	122000.	2451.	7253.	976.1

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

Sample Name: CCV Acquired: 4/12/2016 16:04:20 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2422.	2510.	2480.	2510.	962.6	2465.
Stddev	4.	11.	3.	10.	3.0	1.
%RSD	.1771	.4236	.1387	.3994	.3130	.0544

#1	2425.	2516.	2481.	2520.	965.8	2465.
#2	2423.	2497.	2483.	2511.	962.2	2466.
#3	2417.	2516.	2476.	2500.	959.8	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	985.2	5065.	10070.	9606.
Stddev	1.3	21.	21.	64.
%RSD	.1368	.4213	.2040	.6670

#1	986.5	5085.	10090.	9672.
#2	985.3	5066.	10080.	9602.
#3	983.8	5043.	10050.	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	2791.1	36324.	6040.9
Stddev	12.1	51.	20.6
%RSD	.43360	.13905	.34153

#1	2777.1	36290.	6021.3
#2	2798.5	36300.	6039.1
#3	2797.7	36382.	6062.4

Sample Name: 460-111884-A-1-A@2 Acquired: 4/12/2016 16:20:34 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	140600.	64.38	10.20	1922.	42.31	106900.
Stddev	195.	1.46	.17	4.	.15	102.
%RSD	.1384	2.263	1.638	.2183	.3596	.0953

#1	140800.	62.71	10.39	1927.	42.45	106800.
#2	140500.	65.01	10.13	1919.	42.15	106800.
#3	140400.	65.41	10.08	1921.	42.32	107000.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.937	128.5	302.9	6820.	109000.	6279.
Stddev	.182	.2	1.0	18.	117.	6.
%RSD	1.828	.1743	.3375	.2586	.1075	.0978

#1	9.910	128.4	301.9	6836.	109100.	6285.
#2	9.771	128.7	302.9	6823.	108900.	6274.
#3	10.13	128.3	303.9	6801.	108900.	6277.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46830.	4160.	29320.	536.6	F 58520.	6.180
Stddev	20.	4.	79.	.4	86.	.817
%RSD	.0421	.0940	.2683	.0796	.1465	13.22

#1	46810.	4163.	29400.	537.0	58610.	5.497
#2	46820.	4155.	29240.	536.1	58440.	5.959
#3	46850.	4161.	29330.	536.7	58510.	7.085

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

Sample Name: 460-111884-A-1-A@2 Acquired: 4/12/2016 16:20:34 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.625	-3.064	502.7	F 5034.	415.8	1.158
Stddev	1.739	1.991	.9	10.	1.3	.043
%RSD	47.96	649.7	.1713	.1953	.3154	3.679
#1	-5.591	-2.547	502.1	5044.	415.3	1.205
#2	-2.996	.3683	502.3	5035.	414.8	1.146
#3	-2.289	1.259	503.7	5024.	417.3	1.123

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	28.84	1107.	174.6	F 56420.
Stddev	.39	2.	.5	327.
%RSD	1.364	.2228	.3053	.5786
#1	28.66	1110.	175.2	56670.
#2	29.29	1107.	174.3	56550.
#3	28.57	1105.	174.3	56050.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	4216.1	53941.	8991.9
Stddev	7.5	99.	37.0
%RSD	.17836	.18431	.41185
#1	4223.7	54049.	9001.2
#2	4215.8	53853.	9023.4
#3	4208.7	53921.	8951.1

Sample Name: 460-111887-A-1-A Acquired: 4/12/2016 16:24:25 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1068.	3.506	.1011	105.4	.1653	151100.
Stddev	28.	2.289	.0442	.1	.1408	1032.
%RSD	2.588	65.30	43.68	.1197	85.13	.6833
#1	1095.	.8650	.0539	105.4	.0050	151400.
#2	1069.	4.728	.1414	105.3	.2225	151900.
#3	1039.	4.926	.1080	105.5	.2686	149900.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3143	2.324	1.407	6.931	696.2	7168.
Stddev	.2473	.214	.449	.224	25.5	37.
%RSD	78.67	9.186	31.88	3.235	3.666	.5186
#1	.4349	2.552	1.632	6.672	688.7	7206.
#2	.4781	2.129	1.698	7.044	724.7	7132.
#3	.0299	2.292	.8902	7.075	675.4	7167.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24910.	518.1	70710.	16.67	526.3	2.773
Stddev	158.	2.0	200.	.04	1.3	1.328
%RSD	.6351	.3873	.2833	.2572	.2549	47.90
#1	25000.	518.3	70930.	16.66	526.8	1.383
#2	25010.	520.1	70540.	16.63	527.2	4.029
#3	24730.	516.1	70660.	16.71	524.7	2.908

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

Sample Name: 460-111887-A-1-A Acquired: 4/12/2016 16:24:25 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.128	2.431	3.812	101.1	154.6	-.0504
Stddev	.690	.815	.239	.4	.3	.0821
%RSD	61.16	33.50	6.271	.4186	.1737	163.0
#1	-.9140	2.551	3.986	101.1	154.2	.0437
#2	-.5704	3.179	3.540	100.6	154.7	-.0873
#3	-1.899	1.563	3.911	101.5	154.8	-.1075

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6278	1944.	4.506	5609.
Stddev	.7576	7.	.151	46.
%RSD	120.7	.3503	3.345	.8208
#1	-.2277	1947.	4.679	5580.
#2	1.214	1936.	4.437	5584.
#3	.8973	1949.	4.403	5662.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2903.6	36983.	6099.6
Stddev	9.9	158.	82.6
%RSD	.34225	.42650	1.3534
#1	2892.2	37008.	6038.8
#2	2910.8	36814.	6066.4
#3	2907.7	37126.	6193.6

Sample Name: 460-111908-D-1-A Acquired: 4/12/2016 16:32:34 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.206	1.655	.4486	-.0941	-.1046	17.36
Stddev	6.527	.725	.3312	.1539	.0308	6.23
%RSD	541.0	43.83	73.83	163.5	29.48	35.90
#1	6.174	2.449	.6986	-.2366	-.0786	16.83
#2	-6.217	1.487	.5744	.0691	-.0965	11.41
#3	-3.576	1.028	.0730	-.1148	-.1387	23.85

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0493	-.0114	-.1351	-.1713	-4.076	21.05
Stddev	.0503	.1841	.3323	.1589	9.389	6.73
%RSD	101.9	1610.	245.9	92.77	230.4	31.95
#1	-.0083	.0737	-.5097	-.1504	2.215	25.95
#2	.0839	.1147	-.0196	-.0239	-14.87	13.38
#3	.0723	-.2227	.1240	-.3397	.4262	23.82

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.925	.0231	61.01	.1900	.0488	-.2468
Stddev	1.514	.0337	4.36	.1420	.5569	.2639
%RSD	51.77	145.8	7.148	74.73	1142.	106.9
#1	4.377	.0550	65.95	.1118	.0388	.0295
#2	3.043	.0263	57.72	.3539	-.5031	-.2736
#3	1.355	-.0121	59.35	.1043	.6106	-.4963

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

Sample Name: 460-111908-D-1-A Acquired: 4/12/2016 16:32:34 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2452	.8054	-.5859	1.144	1.436	-.1482
Stddev	1.765	1.463	.3588	.236	.287	.0820
%RSD	719.8	181.6	61.24	20.67	20.02	55.35
#1	-1.350	2.412	-.1743	1.333	1.764	-.1336
#2	-.0558	.4543	-.8326	.8790	1.228	-.0745
#3	2.142	-.4500	-.7507	1.221	1.316	-.2366

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3746	.0418	-.1207	34.19
Stddev	.5447	.0322	.0726	24.35
%RSD	145.4	76.99	60.17	71.22
#1	.7929	.0426	-.0534	11.49
#2	-.2412	.0093	-.1977	31.18
#3	.5723	.0736	-.1110	59.91

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3016.7	38338.	6114.0
Stddev	1.9	59.	23.2
%RSD	.06272	.15466	.37982
#1	3018.8	38401.	6135.2
#2	3015.3	38330.	6117.8
#3	3015.9	38283.	6089.2

Sample Name: 460-111929-B-2-A Acquired: 4/12/2016 16:36:44 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1665.	4.502	-7502	226.7	.0193	117600.
Stddev	21.	.795	.1643	.3	.0326	408.
%RSD	1.254	17.67	21.90	.1524	169.2	.3466

#1	1689.	3.614	-.8911	226.3	.0328	117600.
#2	1652.	5.147	-.5698	227.0	-.0179	118000.
#3	1653.	4.746	-.7896	226.7	.0430	117200.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0784	.7461	2.213	8.542	6845.	13090.
Stddev	.0575	.2756	.144	.193	37.	93.
%RSD	73.36	36.94	6.529	2.264	.5395	.7127

#1	.1409	.9813	2.064	8.693	6812.	13020.
#2	.0665	.8143	2.353	8.324	6885.	13200.
#3	.0278	.4428	2.222	8.608	6838.	13060.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32630.	907.6	F 318200.	2.923	75.83	-1.585
Stddev	178.	2.1	4890.	.311	1.94	.281
%RSD	.5444	.2351	1.537	10.64	2.559	17.75

#1	32440.	908.5	316900.	3.039	74.24	-1.585
#2	32790.	909.2	323600.	2.571	75.27	-1.304
#3	32670.	905.2	314100.	3.160	77.99	-1.866

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

Sample Name: 460-111929-B-2-A Acquired: 4/12/2016 16:36:44 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.160	4.261	3.698	56.32	173.6	.1929
Stddev	2.026	.867	.268	.08	.6	.2718
%RSD	64.11	20.34	7.259	.1486	.3659	140.9
#1	-3.497	5.221	3.878	56.25	173.2	-.0522
#2	-.9869	3.536	3.389	56.41	173.2	.4852
#3	-4.997	4.026	3.826	56.28	174.3	.1457

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7160	702.2	66.31	11690.
Stddev	.7198	3.7	.61	61.
%RSD	100.5	.5223	.9236	.5236
#1	1.342	700.2	66.43	11730.
#2	.8757	706.4	65.64	11720.
#3	-.0702	699.9	66.85	11620.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2871.9	36692.	6119.5
Stddev	7.7	106.	52.7
%RSD	.26912	.28919	.86116
#1	2880.6	36690.	6113.1
#2	2865.9	36587.	6070.3
#3	2869.1	36799.	6175.1

Sample Name: 460-111773-B-1-A Acquired: 4/12/2016 16:45:10 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	290.2	6.706	.0196	113.6	-.2092	78570.
Stddev	8.1	1.883	.4836	.4	.0869	186.
%RSD	2.790	28.07	2465.	.3661	41.55	.2362
#1	299.0	8.844	.5767	113.1	-.1761	78360.
#2	283.0	5.979	-.2932	113.8	-.3078	78610.
#3	288.6	5.296	-.2246	113.9	-.1437	78720.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0883	2.648	1.992	4.626	224.9	38180.
Stddev	.0297	.163	.383	.094	4.1	218.
%RSD	33.60	6.147	19.22	2.022	1.832	.5713
#1	.1118	2.791	1.652	4.589	220.2	38240.
#2	.0983	2.681	2.407	4.732	226.5	37940.
#3	.0550	2.471	1.917	4.556	228.0	38370.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7492.	1823.	19210.	2.307	-1.773	-.0587
Stddev	9.	3.	119.	.344	1.179	1.930
%RSD	.1214	.1755	.6218	14.93	66.52	3287.
#1	7487.	1821.	19250.	2.205	-.7910	-2.287
#2	7486.	1822.	19070.	2.025	-3.081	1.088
#3	7502.	1827.	19300.	2.690	-1.447	1.023

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

Sample Name: 460-111773-B-1-A Acquired: 4/12/2016 16:45:10 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.031	3.241	1.026	9.264	16.18	29.40
Stddev	.542	1.295	.451	.400	.18	.18
%RSD	52.52	39.97	43.99	4.314	1.106	.6005
#1	1.386	1.796	1.452	8.806	16.35	29.42
#2	.4078	4.298	1.072	9.444	16.21	29.22
#3	1.300	3.628	.5532	9.542	16.00	29.57

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4721	450.0	2.960	2711.
Stddev	.4155	2.5	.254	24.
%RSD	88.01	.5606	8.572	.8750
#1	.6270	451.9	3.235	2738.
#2	.0014	447.2	2.736	2701.
#3	.7879	451.1	2.908	2694.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2897.0	36883.	5975.1
Stddev	8.1	370.	93.0
%RSD	.27804	1.0043	1.5566
#1	2904.7	37269.	6047.5
#2	2897.5	36850.	6007.6
#3	2888.7	36530.	5870.2

Sample Name: CCV Acquired: 4/12/2016 16:57:20 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126400.	2414.	1223.	9895.	996.3	122700.
Stddev	608.	6.	5.	14.	2.9	387.
%RSD	.4814	.2291	.4359	.1399	.2913	.3155

#1	125900.	2419.	1217.	9896.	994.5	122300.
#2	126100.	2408.	1224.	9880.	994.7	122800.
#3	127100.	2415.	1228.	9908.	999.6	123100.

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	1236.	2478.	4848.	12250.	100300.	49270.
Stddev	2.	3.	11.	12.	430.	151.
%RSD	.1279	.1309	.2241	.1004	.4285	.3065

#1	1235.	2477.	4836.	12240.	99790.	49220.
#2	1234.	2476.	4850.	12260.	100400.	49150.
#3	1237.	2482.	4857.	12240.	100600.	49440.

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	120900.	5002.	122500.	2453.	7266.	974.7
Stddev	120.	14.	184.	2.	12.	5.1
%RSD	.0991	.2832	.1505	.0979	.1591	.5279

#1	120800.	4986.	122400.	2454.	7266.	977.8
#2	121000.	5007.	122400.	2451.	7254.	968.7
#3	120800.	5013.	122700.	2455.	7277.	977.5

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

Sample Name: CCV Acquired: 4/12/2016 16:57:20 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2414.	2509.	2483.	2508.	961.1	2461.
Stddev	9.	5.	7.	6.	1.9	6.
%RSD	.3643	.1966	.2850	.2365	.1930	.2378

#1	2424.	2505.	2475.	2501.	960.7	2462.
#2	2411.	2509.	2487.	2511.	959.6	2455.
#3	2407.	2515.	2486.	2511.	963.2	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	983.8	5056.	10120.	9637.
Stddev	1.9	17.	139.	31.
%RSD	.1953	.3428	1.369	.3253

#1	981.7	5046.	10130.	9617.
#2	985.4	5046.	9970.	9621.
#3	984.4	5076.	10250.	9673.

Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2780.8	36053.	6004.8
Stddev	7.3	125.	33.0
%RSD	.26120	.34600	.54977

#1	2772.6	36179.	6024.2
#2	2783.1	36049.	6023.6
#3	2786.6	35930.	5966.7

Sample Name: CCVL Acquired: 4/12/2016 17:05:23 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	211.1	16.20	9.604	206.1	1.960	5065.
Stddev	7.4	1.52	.323	.2	.046	41.
%RSD	3.525	9.400	3.364	.0974	2.363	.8079

#1	210.6	14.53	9.502	206.4	2.001	5071.
#2	218.8	17.51	9.966	206.0	1.970	5102.
#3	204.0	16.55	9.344	206.1	1.910	5021.

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	4.263	52.51	9.977	24.50	156.7	4891.
Stddev	.087	.17	.425	.36	2.5	39.
%RSD	2.046	.3310	4.259	1.464	1.590	.7958

#1	4.205	52.32	10.47	24.16	155.2	4848.
#2	4.221	52.55	9.759	24.47	159.5	4901.
#3	4.364	52.67	9.706	24.87	155.2	4924.

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	4858.	15.93	4898.	42.31	9.609	18.96
Stddev	23.	.10	34.	.46	.997	.48
%RSD	.4661	.6549	.6894	1.081	10.38	2.531

#1	4860.	15.90	4862.	42.33	8.795	18.64
#2	4880.	16.05	4929.	42.76	10.72	18.74
#3	4835.	15.85	4904.	41.84	9.311	19.51

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

Sample Name: CCVL Acquired: 4/12/2016 17:05:23 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.55	23.06	50.86	32.16	49.02	19.64
Stddev	4.55	1.55	.27	.33	.16	.26
%RSD	27.48	6.721	.5355	1.028	.3219	1.328
#1	11.48	22.79	50.58	31.85	49.18	19.60
#2	20.26	21.65	51.12	32.12	48.86	19.40
#3	17.90	24.72	50.88	32.51	49.03	19.91

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	50.66	20.76	21.09	F 12.05
Stddev	.13	.12	.12	9.85
%RSD	.2574	.5770	.5512	81.72
#1	50.74	20.62	21.03	23.40
#2	50.51	20.81	21.23	7.013
#3	50.73	20.84	21.02	5.739

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2968.8	37708.	5977.6
Stddev	24.0	611.	80.2
%RSD	.80711	1.6192	1.3413
#1	2960.4	37341.	6052.8
#2	2950.2	37371.	5893.2
#3	2995.8	38413.	5986.6

Sample Name: 460-111884-A-1-A@20 Acquired: 4/12/2016 17:15:11 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20210.	10.24	1.418	280.7	5.942	15120.
Stddev	79.	1.28	.087	1.0	.082	19.
%RSD	.3894	12.48	6.147	.3458	1.375	.1256
#1	20140.	10.04	1.319	281.5	5.869	15110.
#2	20300.	9.082	1.484	280.9	5.926	15100.
#3	20200.	11.61	1.451	279.6	6.031	15140.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.418	18.69	43.44	932.2	15990.	875.0
Stddev	.121	.25	.59	2.1	72.	22.2
%RSD	8.547	1.324	1.366	.2249	.4474	2.542
#1	1.548	18.58	43.34	934.0	15910.	900.6
#2	1.399	18.97	42.90	932.7	16030.	864.0
#3	1.308	18.52	44.07	929.9	16030.	860.3

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	6661.	610.8	4116.	79.19	8135.	.9015
Stddev	13.	.5	7.	.20	32.	.7778
%RSD	.1983	.0812	.1789	.2586	.3960	86.28
#1	6646.	611.2	4114.	79.41	8164.	.0134
#2	6664.	611.0	4124.	79.00	8140.	1.230
#3	6672.	610.3	4110.	79.18	8100.	1.461

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

Sample Name: 460-111884-A-1-A@20 Acquired: 4/12/2016 17:15:11 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2370	-1.054	71.68	755.4	58.08	-.2831
Stddev	3.181	1.119	.24	1.3	.44	.0873
%RSD	1342.	106.2	.3321	.1747	.7644	30.83
#1	-2.928	-2.190	71.93	756.9	58.43	-.3464
#2	3.273	-1.019	71.66	754.5	58.24	-.1835
#3	-1.056	.0474	71.45	754.7	57.58	-.3193

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.946	158.7	25.91	7717.
Stddev	.178	.3	.28	73.
%RSD	3.592	.2059	1.093	.9447
#1	4.742	158.4	26.22	7795.
#2	5.071	158.6	25.86	7706.
#3	5.023	159.1	25.66	7650.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3134.7	39808.	6378.7
Stddev	11.9	134.	40.2
%RSD	.37971	.33635	.62974
#1	3121.3	39961.	6418.6
#2	3138.8	39715.	6338.3
#3	3143.9	39747.	6379.0

Sample Name: 460-111775-B-1-A Acquired: 4/12/2016 17:19:12 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8982.	6.727	.5258	89.01	.3088	24440.
Stddev	39.	2.130	.5554	.30	.1662	124.
%RSD	.4335	31.66	105.6	.3399	53.80	.5081
#1	8970.	4.291	.2707	88.82	.1563	24570.
#2	9026.	7.654	1.163	88.85	.4859	24420.
#3	8951.	8.236	.1438	89.36	.2843	24320.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.213	7.821	14.42	302.4	15280.	2872.
Stddev	.067	.281	.26	.9	44.	33.
%RSD	5.479	3.594	1.769	.2835	.2908	1.153
#1	1.290	7.518	14.65	302.9	15300.	2865.
#2	1.175	7.872	14.15	302.8	15320.	2909.
#3	1.174	8.074	14.46	301.4	15230.	2844.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6738.	354.0	6694.	15.40	116.9	2.265
Stddev	39.	1.2	38.	.27	1.8	1.103
%RSD	.5728	.3301	.5740	1.784	1.502	48.68
#1	6772.	355.3	6718.	15.08	115.1	3.366
#2	6745.	353.9	6715.	15.57	118.6	1.160
#3	6696.	352.9	6650.	15.55	117.0	2.269

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

Sample Name: 460-111775-B-1-A Acquired: 4/12/2016 17:19:12 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.132	3.611	33.35	445.5	40.68	.9354
Stddev	2.936	1.347	.67	1.0	.88	.0429
%RSD	93.74	37.29	1.998	.2261	2.163	4.589
#1	-2.453	3.940	33.60	446.7	40.71	.8893
#2	-.5952	4.763	33.86	444.9	41.54	.9742
#3	-6.348	2.131	32.60	445.0	39.78	.9428

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.471	113.2	233.7	12270.
Stddev	.785	.6	1.3	174.
%RSD	14.35	.5218	.5354	1.420
#1	4.914	112.9	235.1	12210.
#2	6.369	113.8	233.4	12130.
#3	5.130	112.8	232.7	12460.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3068.9	38807.	6262.1
Stddev	13.5	240.	103.6
%RSD	.43879	.61954	1.6538
#1	3055.1	38529.	6216.1
#2	3082.0	38947.	6189.6
#3	3069.6	38944.	6380.7

Sample Name: sample Acquired: 4/12/2016 17:27:16 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44550.	F 893.6	F 23.84	1064.	F 26.38	F 15010.
Stddev	99.	2.8	.18	1.	.04	66.
%RSD	.2216	.3180	.7721	.1004	.1439	.4382

#1	44550.	894.9	23.63	1065.	26.34	14960.
#2	44450.	890.4	23.98	1063.	26.40	15000.
#3	44650.	895.6	23.91	1064.	26.41	15090.

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Fail
High Limit		880.0	195.5		570.0	33800.
Low Limit		575.0	117.5		402.0	23050.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 22.76	F 265.1	F 204.1	F 169.6	65440.	F 15660.
Stddev	.07	1.2	1.5	.5	209.	54.
%RSD	.3217	.4391	.7426	.2923	.3191	.3442

#1	22.73	263.8	202.5	169.0	65210.	15640.
#2	22.84	265.7	204.1	169.8	65490.	15620.
#3	22.70	265.8	205.5	169.8	65620.	15720.

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Fail
High Limit	515.0	890.0	855.0	1020.		15400.
Low Limit	362.0	645.0	570.0	705.0		8600.

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 21770.	F 2132.	F 13210.	F 291.7	F 281.7	117.3
Stddev	82.	5.	61.	.7	2.3	2.4
%RSD	.3757	.2189	.4585	.2346	.8270	2.038

#1	21720.	2129.	13200.	291.0	279.9	119.5
#2	21720.	2130.	13150.	291.7	280.9	117.7
#3	21860.	2138.	13270.	292.4	284.3	114.8

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass
High Limit	16300.	1835.	5500.	755.0	865.0	
Low Limit	10100.	1260.	3160.	535.0	595.0	

Sample Name: sample Acquired: 4/12/2016 17:27:16 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	866.6	F 981.6	F 340.6	F 584.5	F 258.9	F 226.4
Stddev	1.3	.6	.8	3.0	.5	.3
%RSD	.1542	.0595	.2290	.5163	.1846	.1191

#1	868.1	982.3	341.5	581.0	259.5	226.2
#2	866.1	981.1	340.0	586.3	258.8	226.5
#3	865.5	981.5	340.3	586.1	258.6	226.7

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit		855.0	595.0	1115.	800.0	705.0
Low Limit		560.0	373.0	795.0	459.0	457.5

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F 234.9	F 310.8	1842.	2414.
Stddev	.8	1.5	2.	3.
%RSD	.3221	.4682	.1258	.1337

#1	234.1	312.0	1839.	2418.
#2	235.5	309.2	1843.	2411.
#3	235.2	311.1	1844.	2414.

Check ?	Chk Fail	Chk Fail	Chk Pass	None
High Limit	885.0	630.0		
Low Limit	550.0	423.0		

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3005.7	38338.	6170.2
Stddev	13.5	172.	41.9
%RSD	.45029	.44846	.67843

#1	2991.0	38140.	6206.6
#2	3008.6	38446.	6179.4
#3	3017.7	38428.	6124.5

Sample Name: MB 460-362088/1-A Acquired: 4/12/2016 17:31:10 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.081	.0010	-.1346	.0146	-.0825	11.37
Stddev	7.261	1.538	.6027	.1102	.1139	3.89
%RSD	235.7	160100.	447.6	757.0	138.1	34.18

#1	11.46	.2737	-.7434	-.1098	-.0066	9.265
#2	-.8306	1.384	.4619	.1000	-.0273	8.989
#3	-1.386	-1.655	-.1224	.0535	-.2135	15.85

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0708	-.1759	-.0187	-.1270	-7.835	.5214
Stddev	.0132	.2614	.2388	.5186	12.91	21.13
%RSD	18.69	148.6	1276.	408.4	164.7	4052.

#1	.0773	-.0666	-.2944	-.5609	-21.15	24.68
#2	.0556	-.4742	.1197	.4473	-6.974	-8.641
#3	.0796	.0131	.1186	-.2674	4.617	-14.48

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3386	.0132	20.91	.3352	.2232	.9895
Stddev	2.568	.0218	11.47	.2327	2.078	.2250
%RSD	758.5	165.2	54.86	69.40	930.8	22.74

#1	-1.485	.0074	15.14	.5581	-.7508	.9792
#2	2.603	-.0051	34.12	.3538	2.609	1.220
#3	-2.134	.0373	13.47	.0939	-1.189	.7698

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

Sample Name: MB 460-362088/1-A Acquired: 4/12/2016 17:31:10 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.268	.1324	-.2320	.5916	.4169	-.1696
Stddev	1.263	.3486	.1619	.1688	.2509	.0293
%RSD	55.66	263.4	69.81	28.53	60.18	17.28
#1	-2.332	.0474	-.1980	.5557	.6945	-.1636
#2	-.9751	-.1660	-.4082	.7755	.2060	-.2014
#3	-3.498	.5156	-.0897	.4437	.3503	-.1437

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.057	-.0507	.1141	8.432
Stddev	.774	.0232	.2502	11.90
%RSD	73.21	45.77	219.3	141.2
#1	1.733	-.0356	.3747	18.70
#2	1.226	-.0391	.0918	11.21
#3	.2127	-.0774	-.1242	-4.615

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	3004.5	37874.	6005.8
Stddev	3.6	265.	100.3
%RSD	.12102	.69997	1.6700
#1	3000.3	37573.	5899.7
#2	3006.5	37979.	6099.1
#3	3006.7	38071.	6018.7

Sample Name: 460-110397-E-16-G DU Acquired: 4/12/2016 17:39:12 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1306.	6.159	.1405	24.11	-.0519	34380.
Stddev	18.	1.411	.4346	.11	.1085	66.
%RSD	1.400	22.91	309.2	.4724	209.0	.1921
#1	1291.	4.530	.1507	24.12	-.1541	34390.
#2	1326.	6.958	-.2990	24.22	.0619	34310.
#3	1301.	6.989	.5699	23.99	-.0636	34440.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0654	-.3205	2.259	8.676	159.4	2813.
Stddev	.0496	.0844	.176	.112	5.7	48.
%RSD	75.93	26.33	7.781	1.295	3.565	1.706
#1	.0106	-.2235	2.058	8.784	154.0	2809.
#2	.0782	-.3771	2.336	8.559	165.4	2862.
#3	.1074	-.3610	2.384	8.685	158.8	2766.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	316.5	3.808	13410.	1.823	-4.226	2.825
Stddev	2.9	.067	27.	.243	.837	1.805
%RSD	.9085	1.755	.2041	13.32	19.81	63.90
#1	319.1	3.881	13380.	2.092	-3.688	3.431
#2	316.9	3.750	13430.	1.758	-5.190	4.249
#3	313.4	3.793	13430.	1.620	-3.799	.7948

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

Sample Name: 460-110397-E-16-G DU Acquired: 4/12/2016 17:39:12 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.972	.6669	45.11	10.41	58.50	3.039
Stddev	.070	1.032	.12	.26	1.31	.091
%RSD	3.571	154.8	.2614	2.501	2.244	3.012
#1	1.944	-.4472	44.98	10.41	57.24	2.948
#2	1.920	1.591	45.13	10.67	59.86	3.036
#3	2.052	.8566	45.21	10.15	58.41	3.131

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8094	196.8	10.62	5168.
Stddev	.6245	.5	.05	33.
%RSD	77.16	.2565	.4505	.6398
#1	1.507	196.8	10.65	5163.
#2	.6185	197.3	10.63	5203.
#3	.3026	196.3	10.56	5137.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2955.8	37782.	6043.9
Stddev	4.3	39.	39.3
%RSD	.14579	.10446	.65048
#1	2960.5	37780.	6088.7
#2	2952.1	37823.	6028.1
#3	2954.6	37744.	6015.0

Sample Name: 460-111776-B-1-A Acquired: 4/12/2016 17:23:14 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5307.	11.94	1.338	99.86	.1518	10350.
Stddev	23.	.56	.203	.23	.0718	35.
%RSD	.4349	4.684	15.20	.2253	47.29	.3407

#1	5310.	11.46	1.329	100.1	.2182	10350.
#2	5282.	11.79	1.546	99.69	.0756	10380.
#3	5328.	12.55	1.139	99.76	.1616	10310.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.061	4.048	17.86	949.6	9016.	1452.
Stddev	.104	.243	.20	1.9	31.	13.
%RSD	2.557	6.011	1.129	.2000	.3440	.9258

#1	4.072	4.178	17.71	951.4	9045.	1447.
#2	4.159	4.199	17.77	947.6	9020.	1442.
#3	3.952	3.767	18.09	949.8	8983.	1468.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2608.	190.6	2044.	20.56	411.4	2.911
Stddev	21.	1.0	4.	.27	1.9	.976
%RSD	.8030	.5489	.1719	1.335	.4498	33.54

#1	2621.	191.1	2047.	20.81	412.6	1.806
#2	2620.	191.2	2044.	20.27	409.2	3.658
#3	2584.	189.4	2040.	20.60	412.2	3.269

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

Sample Name: 460-111776-B-1-A Acquired: 4/12/2016 17:23:14 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.257	2.813	14.65	880.8	17.80	.9362
Stddev	1.393	1.560	.54	2.9	.16	.1077
%RSD	32.73	55.47	3.695	.3317	.9109	11.51
#1	-5.244	3.915	14.44	882.1	17.92	.8407
#2	-4.863	3.496	15.26	877.4	17.61	.9148
#3	-2.663	1.028	14.24	882.9	17.86	1.053

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	20.63	54.14	106.2	5359.
Stddev	.32	.19	1.0	25.
%RSD	1.568	.3436	.9733	.4678
#1	20.26	54.29	107.3	5342.
#2	20.86	54.20	105.2	5388.
#3	20.78	53.93	106.1	5349.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3069.9	38983.	6313.0
Stddev	19.7	261.	37.0
%RSD	.64172	.66933	.58585
#1	3090.8	39284.	6339.8
#2	3067.4	38830.	6328.5
#3	3051.6	38834.	6270.8

Sample Name: sd 460-110397-E-16-F Acquired: 4/12/2016 17:47:31 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	240.7	2.952	-.0584	4.489	-.1729	6728.
Stddev	10.0	2.528	.2233	.088	.0769	9.
%RSD	4.171	85.63	382.2	1.966	44.46	.1365
#1	236.5	.4724	-.0679	4.565	-.2506	6722.
#2	233.5	5.525	-.2769	4.392	-.0969	6739.
#3	252.2	2.858	.1695	4.508	-.1711	6725.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0199	-.4091	.8555	1.736	22.25	544.5
Stddev	.1405	.2647	.1260	.178	18.14	13.8
%RSD	707.3	64.72	14.73	10.27	81.53	2.538
#1	-.0343	-.7133	.8539	1.701	11.16	549.4
#2	-.0854	-.2830	.9822	1.577	43.18	555.3
#3	.1793	-.2309	.7303	1.929	12.40	528.9

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	61.63	.7971	2636.	.7466	-1.089	.4263
Stddev	1.57	.1080	11.	.3670	.641	1.776
%RSD	2.545	13.55	.4148	49.15	58.86	416.6
#1	59.82	.6789	2647.	.4761	-.7956	-1.297
#2	62.54	.8215	2635.	.5996	-.6467	.3254
#3	62.53	.8908	2625.	1.164	-1.823	2.250

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

Sample Name: sd 460-110397-E-16-F Acquired: 4/12/2016 17:47:31 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.571	.2562	8.631	2.712	11.44	.3707
Stddev	.388	.3687	.169	.133	.11	.1618
%RSD	24.69	143.9	1.961	4.886	.9367	43.64
#1	-1.683	.4877	8.439	2.559	11.32	.4224
#2	-1.891	-.1690	8.693	2.787	11.47	.5003
#3	-1.140	.4498	8.760	2.790	11.53	.1894

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.051	38.52	2.054	995.0
Stddev	.288	.22	.340	18.8
%RSD	27.42	.5651	16.57	1.885
#1	.7564	38.55	2.417	981.8
#2	1.064	38.29	2.003	986.7
#3	1.332	38.72	1.742	1016.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3003.2	38437.	6177.2
Stddev	7.5	105.	40.2
%RSD	.24959	.27437	.65122
#1	3000.0	38348.	6130.7
#2	3011.8	38553.	6201.4
#3	2997.8	38409.	6199.3

Sample Name: CCB Acquired: 4/12/2016 17:59:25 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.104	-.1370	-.4022	.0146	-.0975	2.583
Stddev	12.94	1.590	.0433	.0836	.1256	2.659
%RSD	253.6	1161.	10.76	573.2	128.8	103.0
#1	-19.94	-1.404	-.4187	-.0408	-.0152	2.640
#2	3.879	1.648	-.4348	.1107	-.2420	-.1045
#3	.7522	-.6540	-.3531	-.0261	-.0352	5.213

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0459	-.1402	.0753	.1039	-2.843	21.90
Stddev	.0649	.3632	.7986	.3514	14.25	6.45
%RSD	141.4	259.1	1060.	338.2	501.3	29.47
#1	.1037	.2686	-.1003	.5088	4.703	24.96
#2	.0585	-.2631	.9471	-.1208	-19.28	26.24
#3	-.0244	-.4260	-.6208	-.0763	6.051	14.48

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6483	.1211	22.75	.3312	.9931	1.059
Stddev	2.045	.0403	2.67	.2097	.9547	.662
%RSD	315.5	33.28	11.72	63.32	96.13	62.56
#1	-.5743	.1572	19.78	.3864	1.939	.5429
#2	-.4900	.1285	23.55	.5077	1.011	1.806
#3	3.009	.0776	24.93	.0994	.0295	.8276

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

Sample Name: CCB Acquired: 4/12/2016 17:59:25 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6622	.9693	.0917	.0076	1.524	.7590
Stddev	2.360	.8516	.1422	.3228	.245	.3870
%RSD	356.4	87.86	155.0	4248.	16.05	50.99
#1	-2.975	.1465	.1586	.3640	1.783	1.205
#2	-.7536	.9141	-.0716	-.0764	1.492	.5634
#3	1.742	1.847	.1881	-.2649	1.297	.5088

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4500	.0667	.3610	11.88
Stddev	.5666	.0179	.2376	12.12
%RSD	125.9	26.86	65.82	102.0
#1	1.077	.0782	.6202	24.41
#2	.2975	.0758	.3093	.2241
#3	-.0248	.0460	.1535	11.01

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	2977.2	37994.	6041.8
Stddev	8.8	125.	43.6
%RSD	.29616	.32807	.72204
#1	2967.0	37926.	5991.8
#2	2982.3	37919.	6072.3
#3	2982.4	38138.	6061.3

Sample Name: LCS 460-362088/2-A Acquired: 4/12/2016 17:35:22 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1941.	1748.	46.60	1864.	48.20	18590.
Stddev	7.	7.	.45	2.	.09	44.
%RSD	.3726	.3942	.9598	.1338	.1848	.2355

#1	1948.	1740.	47.10	1863.	48.11	18630.
#2	1934.	1754.	46.43	1867.	48.29	18580.
#3	1941.	1749.	46.26	1864.	48.21	18540.

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	47.52	478.5	191.1	229.2	981.8	17280.
Stddev	.05	.5	1.4	1.4	13.3	41.
%RSD	.1128	.0993	.7156	.6169	1.356	.2368

#1	47.46	478.3	192.1	230.6	989.2	17280.
#2	47.52	479.0	191.6	227.8	966.5	17320.
#3	47.57	478.1	189.5	229.3	989.8	17240.

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	17660.	486.2	18170.	480.8	438.8	449.3
Stddev	40.	.1	20.	.3	2.7	1.0
%RSD	.2240	.0281	.1073	.0587	.6090	.2222

#1	17690.	486.4	18180.	480.5	436.1	448.9
#2	17620.	486.3	18150.	481.0	441.4	450.5
#3	17680.	486.1	18180.	481.0	438.8	448.6

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

Sample Name: LCS 460-362088/2-A Acquired: 4/12/2016 17:35:22 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1774.	2009.	480.6	495.2	448.0	463.7
Stddev	5.	6.	2.1	1.1	1.3	.2
%RSD	.2608	.3150	.4320	.2170	.2880	.0479

#1	1769.	2008.	482.3	495.8	446.6	463.4
#2	1774.	2016.	481.3	495.8	448.8	463.9
#3	1778.	2003.	478.3	493.9	448.8	463.8

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	471.5	476.8	487.8	48.47
Stddev	1.1	.5	.4	2.17
%RSD	.2284	.1060	.0898	4.487

#1	471.1	477.4	488.2	49.41
#2	472.7	476.4	487.9	50.01
#3	470.6	476.6	487.4	45.98

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	2968.1	37879.	6078.6
Stddev	7.8	163.	18.8
%RSD	.26223	.43151	.30918

#1	2967.5	37717.	6069.3
#2	2960.7	37875.	6066.3
#3	2976.2	38044.	6100.3

Sample Name: pds 460-110397-E-16- Acquired: 4/12/2016 18:07:45 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3241.	1812.	46.60	1905.	48.75	51920.
Stddev	23.	2.	.55	1.	.30	70.
%RSD	.7072	.1262	1.186	.0590	.6085	.1358
#1	3215.	1814.	46.81	1906.	48.57	51960.
#2	3246.	1813.	45.97	1905.	48.59	51960.
#3	3260.	1810.	47.02	1904.	49.09	51840.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.67	482.2	190.1	240.9	1117.	20200.
Stddev	.35	.6	1.4	1.1	3.	82.
%RSD	.7299	.1211	.7145	.4707	.3041	.4079
#1	47.90	482.9	188.6	239.8	1114.	20170.
#2	47.84	482.0	191.3	240.9	1118.	20140.
#3	47.27	481.8	190.4	242.1	1120.	20290.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17940.	488.5	31660.	482.3	435.3	465.9
Stddev	74.	.4	82.	1.6	3.5	2.3
%RSD	.4098	.0721	.2588	.3279	.8010	.4956
#1	17970.	488.4	31570.	484.0	439.2	464.3
#2	17990.	488.9	31690.	481.9	434.4	468.5
#3	17860.	488.2	31720.	480.9	432.4	464.8

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

Sample Name: pds 460-110397-E-16- Acquired: 4/12/2016 18:07:45 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1816.	2009.	527.9	507.4	516.3	471.9
Stddev	5.	12.	1.2	1.2	.3	.7
%RSD	.2626	.6205	.2322	.2337	.0583	.1572
#1	1822.	1998.	527.7	508.1	516.0	471.2
#2	1813.	2006.	526.8	508.1	516.6	471.9
#3	1815.	2023.	529.2	506.1	516.2	472.6

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	478.4	678.6	502.0	5270.
Stddev	1.7	2.0	.7	5.
%RSD	.3459	.2927	.1459	.0951
#1	477.0	676.5	501.4	5271.
#2	480.2	679.1	501.7	5265.
#3	477.9	680.4	502.8	5275.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2951.2	38205.	6151.2
Stddev	5.4	51.	47.4
%RSD	.18231	.13449	.77092
#1	2948.0	38147.	6199.6
#2	2948.1	38224.	6149.0
#3	2957.4	38244.	6104.8

Sample Name: LB 460-361920/1-B Acquired: 4/12/2016 18:19:55 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.18	.2800	.2253	.0135	-.0938	18.70
Stddev	11.04	1.421	.2456	.1050	.0400	2.21
%RSD	83.76	507.3	109.0	779.6	42.64	11.85
#1	25.32	-1.002	.0304	-.1026	-.1399	21.17
#2	10.51	1.807	.1442	.1018	-.0693	18.05
#3	3.723	.0348	.5012	.0412	-.0721	16.88

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	.1037	-.2976	.1362	.0997	-2.397	113.2
Stddev	.0865	.1298	.4009	.3397	8.496	35.3
%RSD	83.41	43.62	294.4	340.9	354.5	31.17
#1	.0594	-.3569	.5040	-.2900	-4.490	146.0
#2	.2033	-.1487	.1957	.2557	6.951	117.7
#3	.0482	-.3871	-.2911	.3333	-9.650	75.86

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.225	.0836	526.5	.3016	.1162	-.4540
Stddev	5.077	.0476	4.9	.0231	1.145	1.436
%RSD	414.3	56.91	.9239	7.671	985.8	316.2
#1	3.958	.0321	526.7	.2807	-.0627	-.8355
#2	-1.445	.0928	531.3	.3264	1.340	-1.660
#3	-6.189	.1259	521.6	.2976	-.9292	1.134

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

Sample Name: LB 460-361920/1-B Acquired: 4/12/2016 18:19:55 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.122	1.702	-3901	1.128	5.595	-4595
Stddev	.329	1.609	.5311	.189	.335	.2666
%RSD	29.27	94.54	136.1	16.77	5.986	58.02
#1	-1.438	2.857	-.6140	1.141	5.916	-.2372
#2	-1.147	2.384	.2163	1.310	5.247	-.3862
#3	-.7821	-.1359	-.7726	.9328	5.621	-.7550

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.020	.0196	-.0200	62.08
Stddev	.597	.0787	.0870	9.46
%RSD	58.50	402.3	435.0	15.24
#1	1.699	-.0711	-.0391	52.17
#2	.7791	.0605	.0750	63.04
#3	.5812	.0694	-.0959	71.02

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3036.8	38734.	6168.4
Stddev	18.7	88.	20.0
%RSD	.61605	.22630	.32411
#1	3058.3	38779.	6180.4
#2	3025.4	38633.	6179.6
#3	3026.5	38790.	6145.3

Sample Name: LCS 460-362089/2-A Acquired: 4/12/2016 18:28:21 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1941.	1711.	45.78	1826.	47.72	18200.
Stddev	10.	1.	.48	6.	.16	78.
%RSD	.5295	.0484	1.038	.3129	.3361	.4261

#1	1932.	1711.	45.30	1820.	47.66	18120.
#2	1952.	1712.	45.80	1830.	47.90	18200.
#3	1938.	1710.	46.25	1829.	47.59	18280.

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	46.53	471.8	186.4	225.5	969.0	17090.
Stddev	.24	.8	1.6	1.3	3.1	38.
%RSD	.5172	.1695	.8834	.5791	.3220	.2216

#1	46.37	471.0	184.6	224.1	966.4	17050.
#2	46.81	471.8	186.9	226.5	968.3	17120.
#3	46.41	472.6	187.8	226.0	972.5	17110.

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	17240.	477.8	17910.	471.1	428.1	445.9
Stddev	71.	1.0	90.	2.1	3.3	1.6
%RSD	.4119	.2043	.5012	.4482	.7807	.3510

#1	17180.	476.7	17810.	468.6	424.9	444.1
#2	17220.	477.8	17980.	472.5	431.6	446.3
#3	17320.	478.7	17930.	472.1	427.8	447.1

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

Sample Name: LCS 460-362089/2-A Acquired: 4/12/2016 18:28:21 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1734.	1982.	474.4	490.3	439.7	456.0
Stddev	7.	9.	1.7	2.4	1.7	2.3
%RSD	.3777	.4319	.3585	.4795	.3950	.5112

#1	1728.	1976.	472.5	487.7	437.7	453.4
#2	1741.	1992.	474.7	492.3	440.9	457.7
#3	1735.	1978.	475.9	491.0	440.4	457.0

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	463.7	471.2	482.7	41.57
Stddev	2.0	.7	.4	14.04
%RSD	.4254	.1496	.0910	33.79

#1	461.5	470.4	482.2	40.71
#2	464.4	471.6	483.1	56.02
#3	465.2	471.7	482.6	27.97

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	2970.3	38073.	6052.5
Stddev	9.1	146.	35.9
%RSD	.30515	.38405	.59297

#1	2970.9	38183.	6093.8
#2	2961.0	38130.	6033.7
#3	2979.1	37907.	6029.8

Sample Name: 460-110397-E-16-F Acquired: 4/12/2016 17:43:21 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1276.	6.864	-.2852	24.30	-.1188	34570.
Stddev	14.	.459	.2534	.06	.0456	144.
%RSD	1.120	6.690	88.87	.2367	38.43	.4158

#1	1269.	6.713	-.4834	24.25	-.1514	34740.
#2	1268.	7.380	-.3726	24.37	-.0666	34470.
#3	1293.	6.500	.0004	24.29	-.1382	34510.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0142	.0967	2.675	8.147	155.4	2786.
Stddev	.0626	.1867	.405	.224	2.3	52.
%RSD	441.7	193.1	15.13	2.744	1.460	1.855

#1	.0230	.2356	2.263	8.343	154.7	2824.
#2	.0718	-.1156	3.072	7.904	157.9	2805.
#3	-.0523	.1700	2.689	8.194	153.6	2727.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	313.6	3.876	13390.	1.395	-5.670	3.676
Stddev	1.2	.025	58.	.397	.798	1.339
%RSD	.3946	.6334	.4318	28.45	14.08	36.41

#1	313.8	3.878	13320.	.9425	-6.063	2.143
#2	312.2	3.899	13410.	1.559	-6.195	4.615
#3	314.7	3.850	13430.	1.684	-4.751	4.270

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

Sample Name: 460-110397-E-16-F Acquired: 4/12/2016 17:43:21 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.109	1.054	45.63	10.22	58.76	2.833
Stddev	2.123	.734	.40	.25	.05	.162
%RSD	68.31	69.64	.8831	2.452	.0929	5.728
#1	.7474	1.731	46.10	10.38	58.81	2.730
#2	4.861	1.157	45.39	9.934	58.70	2.748
#3	3.717	.2738	45.42	10.35	58.77	3.020

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	1.377	195.5	10.17	5147.
Stddev	.528	1.0	.20	57.
%RSD	38.35	.5272	2.003	1.116
#1	1.937	194.4	10.36	5081.
#2	1.307	195.8	9.952	5181.
#3	.8878	196.5	10.20	5180.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2961.6	37743.	6066.5
Stddev	1.4	506.	80.9
%RSD	.04836	1.3404	1.3336
#1	2960.0	37160.	5973.7
#2	2962.7	38008.	6103.0
#3	2962.2	38062.	6122.7

Sample Name: 460-110397-E-16-H MS Acquired: 4/12/2016 17:51:42 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3258.	1817.	46.45	1924.	49.04	52720.
Stddev	5.	14.	.29	1.	.25	239.
%RSD	.1564	.7444	.6234	.0751	.5040	.4533

#1	3256.	1816.	46.54	1924.	49.06	52890.
#2	3264.	1805.	46.68	1923.	49.28	52820.
#3	3254.	1832.	46.12	1926.	48.78	52440.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.00	484.8	194.6	241.3	1131.	20350.
Stddev	.13	.7	.9	.8	20.	49.
%RSD	.2664	.1435	.4394	.3219	1.773	.2393

#1	47.96	485.3	195.6	240.6	1151.	20390.
#2	47.91	484.0	193.9	241.1	1132.	20370.
#3	48.15	485.2	194.3	242.1	1111.	20290.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18290.	495.9	31930.	487.2	441.6	464.0
Stddev	59.	2.0	43.	.6	1.5	.8
%RSD	.3213	.3951	.1334	.1238	.3493	.1789

#1	18300.	497.1	31880.	487.9	442.7	464.7
#2	18340.	497.1	31960.	486.7	442.4	463.1
#3	18220.	493.7	31940.	487.1	439.9	464.2

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

Sample Name: 460-110397-E-16-H MS Acquired: 4/12/2016 17:51:42 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1820.	2021.	533.1	506.7	517.1	474.7
Stddev	11.	10.	1.5	2.5	2.8	1.3
%RSD	.6144	.5122	.2890	.4918	.5460	.2707

#1	1816.	2015.	533.6	509.5	517.7	474.9
#2	1812.	2014.	534.3	505.0	514.1	473.3
#3	1833.	2033.	531.4	505.5	519.7	475.8

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	480.3	678.0	506.9	5188.
Stddev	1.9	1.1	.8	18.
%RSD	.3900	.1576	.1621	.3385

#1	482.1	676.8	506.7	5167.
#2	478.4	678.5	506.2	5198.
#3	480.3	678.7	507.8	5197.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2932.5	37513.	5999.9
Stddev	9.1	239.	67.6
%RSD	.30949	.63786	1.1271

#1	2923.7	37321.	6004.3
#2	2931.9	37438.	5930.2
#3	2941.9	37781.	6065.2

Sample Name: 460-111911-B-33-C MS Acquired: 4/12/2016 18:44:41 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2029.	1763.	47.00	1883.	48.89	38680.
Stddev	11.	3.	.36	4.	.23	61.
%RSD	.5186	.1509	.7637	.2216	.4754	.1572

#1	2040.	1765.	46.82	1888.	48.89	38700.
#2	2019.	1763.	47.41	1879.	48.66	38610.
#3	2027.	1760.	46.76	1882.	49.12	38720.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.30	478.4	189.0	286.5	1038.	18840.
Stddev	.14	1.3	.6	.3	10.	47.
%RSD	.2924	.2672	.3402	.0953	.9955	.2478

#1	47.18	479.1	189.7	286.8	1048.	18870.
#2	47.28	476.9	188.9	286.5	1039.	18790.
#3	47.45	479.2	188.4	286.2	1027.	18860.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24060.	489.2	65220.	529.8	649.0	455.3
Stddev	34.	.8	204.	.7	4.5	1.8
%RSD	.1422	.1599	.3127	.1341	.6912	.3987

#1	24060.	489.5	65460.	529.8	653.9	456.7
#2	24030.	488.3	65140.	529.1	645.1	453.3
#3	24100.	489.8	65080.	530.5	647.9	456.0

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

Sample Name: 460-111911-B-33-C MS Acquired: 4/12/2016 18:44:41 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1788.	2018.	488.6	1183.	467.6	467.4
Stddev	4.	7.	1.0	2.	.4	.7
%RSD	.2287	.3547	.2028	.2025	.0926	.1546
#1	1784.	2010.	487.5	1183.	468.1	466.6
#2	1788.	2022.	488.8	1180.	467.4	467.8
#3	1792.	2023.	489.5	1185.	467.4	467.8

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	474.2	564.5	494.3	3099.
Stddev	1.1	2.1	1.8	17.
%RSD	.2399	.3700	.3620	.5365
#1	473.4	566.5	496.3	3116.
#2	473.8	562.3	493.1	3083.
#3	475.5	564.8	493.4	3096.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2949.1	37442.	5980.2
Stddev	16.4	190.	31.4
%RSD	.55751	.50764	.52560
#1	2930.6	37256.	5944.6
#2	2962.0	37636.	5992.1
#3	2954.6	37433.	6003.9

Sample Name: CCVL Acquired: 4/12/2016 18:56:42 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	235.1	15.45	9.912	201.5	2.023	4976.
Stddev	6.9	1.37	.218	.6	.038	15.
%RSD	2.919	8.859	2.199	.2778	1.879	.2984

#1	242.1	14.34	9.941	200.9	2.022	4981.
#2	228.4	15.03	9.681	202.0	2.062	4988.
#3	234.6	16.98	10.11	201.7	1.986	4959.

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	4.311	52.28	9.816	24.52	157.7	4944.
Stddev	.021	.19	.251	.29	6.3	10.
%RSD	.4756	.3636	2.555	1.201	3.992	.2023

#1	4.331	52.21	10.10	24.40	150.5	4934.
#2	4.313	52.13	9.632	24.85	161.8	4946.
#3	4.290	52.50	9.714	24.30	160.9	4953.

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	4695.	15.89	4815.	41.91	9.825	18.10
Stddev	30.	.16	2.	.10	.655	.36
%RSD	.6430	1.003	.0398	.2324	6.664	1.972

#1	4714.	15.99	4815.	41.87	10.05	18.04
#2	4711.	15.96	4817.	42.02	10.33	18.49
#3	4660.	15.70	4813.	41.84	9.086	17.78

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

Sample Name: CCVL Acquired: 4/12/2016 18:56:42 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.16	22.10	50.74	32.12	47.73	19.38
Stddev	1.48	1.34	.60	.56	.35	.08
%RSD	9.175	6.054	1.177	1.758	.7382	.4263
#1	17.49	21.30	51.36	31.56	47.54	19.28
#2	14.56	21.34	50.70	32.69	48.14	19.45
#3	16.43	23.64	50.17	32.11	47.51	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	49.86	21.28	21.39	F 19.58
Stddev	.60	.07	.14	15.02
%RSD	1.207	.3385	.6315	76.71
#1	49.17	21.21	21.54	36.86
#2	50.11	21.35	21.27	9.611
#3	50.29	21.28	21.36	12.27

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3077.1	39053.	6110.3
Stddev	3.7	49.	33.1
%RSD	.12043	.12666	.54186
#1	3079.4	39092.	6075.5
#2	3072.8	38997.	6114.1
#3	3079.1	39068.	6141.4

Sample Name: 460-111950-E-3-A Acquired: 4/12/2016 19:04:43 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.654	1.589	.2219	.0105	-.0638	45.41
Stddev	8.650	2.973	.5456	.0639	.0950	5.67
%RSD	325.9	187.2	245.9	606.3	148.9	12.48
#1	2.588	.5062	.4685	.0843	-.1664	41.32
#2	-12.64	-.6922	.6008	-.0231	.0213	51.88
#3	2.087	4.952	-.4035	-.0296	-.0464	43.03

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1197	-.1347	-.1925	.5358	-6.297	13.35
Stddev	.0613	.0557	.0411	.3155	11.53	13.63
%RSD	51.24	41.35	21.37	58.89	183.1	102.1
#1	.1728	-.1322	-.2373	.2916	-17.90	28.02
#2	.1337	-.0803	-.1837	.8920	-6.161	10.95
#3	.0526	-.1916	-.1564	.4237	5.165	1.087

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.098	.0476	37.78	.8848	-.1259	1.482
Stddev	2.969	.0140	3.72	.1547	.6116	.467
%RSD	270.4	29.35	9.842	17.49	485.7	31.54
#1	-1.116	.0615	37.86	.8008	-.8000	1.432
#2	4.472	.0336	41.45	1.063	.3937	1.041
#3	-.0610	.0476	34.02	.7901	.0285	1.972

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

Sample Name: 460-111950-E-3-A Acquired: 4/12/2016 19:04:43 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3859	.6121	-.1256	1.618	5.568	-.0634
Stddev	3.269	1.519	.5039	.216	.524	.1093
%RSD	847.3	248.2	401.2	13.34	9.407	172.4
#1	-3.372	1.748	-.2994	1.820	5.520	-.0974
#2	1.949	-1.114	.4422	1.643	6.114	.0589
#3	2.581	1.202	-.5196	1.391	5.070	-.1517

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7304	.0328	.1417	67.36
Stddev	.3690	.0820	.0440	7.64
%RSD	50.52	250.1	31.07	11.34
#1	.4152	.0965	.1821	69.81
#2	1.136	-.0597	.1483	58.79
#3	.6398	.0616	.0948	73.47

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3046.7	38997.	6083.3
Stddev	14.2	254.	25.0
%RSD	.46469	.65119	.41113
#1	3062.7	39065.	6096.4
#2	3041.5	39210.	6099.0
#3	3035.9	38716.	6054.4

Sample Name: CCV Acquired: 4/12/2016 17:55:33 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126700.	2380.	1223.	9777.	993.8	121400.
Stddev	238.	10.	1.	8.	2.7	199.
%RSD	.1877	.4003	.1136	.0841	.2674	.1643

#1	126800.	2390.	1224.	9786.	995.7	121600.
#2	126900.	2373.	1224.	9769.	994.9	121500.
#3	126400.	2375.	1221.	9777.	990.8	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	1219.	2455.	4789.	12180.	99850.	49160.
Stddev	3.	4.	12.	35.	246.	57.
%RSD	.2338	.1618	.2543	.2885	.2461	.1166

#1	1222.	2460.	4802.	12220.	99880.	49150.
#2	1217.	2453.	4778.	12160.	100100.	49230.
#3	1218.	2454.	4786.	12170.	99590.	49120.

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	119200.	4955.	121900.	2422.	7159.	966.9
Stddev	362.	7.	162.	3.	15.	3.5
%RSD	.3038	.1468	.1326	.1241	.2142	.3606

#1	119600.	4962.	122000.	2424.	7174.	967.4
#2	119000.	4956.	122100.	2418.	7143.	970.1
#3	119000.	4948.	121800.	2422.	7159.	963.2

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

Sample Name: CCV Acquired: 4/12/2016 17:55:33 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2366.	2496.	2463.	2489.	949.1	2438.
Stddev	10.	1.	4.	10.	2.3	2.
%RSD	.4275	.0585	.1745	.3938	.2376	.0921

#1	2373.	2495.	2463.	2500.	950.7	2437.
#2	2355.	2498.	2467.	2481.	946.6	2436.
#3	2372.	2496.	2458.	2486.	950.2	2440.

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	971.7	5031.	10090.	9548.
Stddev	1.6	4.	94.	12.
%RSD	.1642	.0760	.9310	.1244

#1	971.4	5029.	10150.	9547.
#2	973.5	5036.	10140.	9536.
#3	970.3	5029.	9983.	9560.

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	2820.4	36656.	6047.3
Stddev	11.6	11.	45.1
%RSD	.40987	.03123	.74620

#1	2813.0	36657.	5996.6
#2	2833.8	36644.	6083.1
#3	2814.6	36667.	6062.2

Sample Name: CCVL Acquired: 4/12/2016 18:03:37 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	196.6	14.27	9.989	203.0	1.896	4995.
Stddev	9.8	1.42	.624	.2	.152	5.
%RSD	5.002	9.926	6.251	.0954	7.990	.1036

#1	200.5	15.35	10.56	202.8	1.974	5001.
#2	185.5	14.79	10.08	203.2	1.993	4991.
#3	203.9	12.66	9.322	203.0	1.721	4992.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.172	51.72	9.765	23.89	159.0	4889.
Stddev	.177	.45	.320	.06	12.1	60.
%RSD	4.233	.8764	3.272	.2688	7.637	1.219

#1	4.199	51.20	9.845	23.94	161.6	4875.
#2	3.984	52.05	9.413	23.82	145.8	4954.
#3	4.334	51.90	10.04	23.92	169.6	4837.

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	4764.	15.81	4880.	41.77	9.123	19.20
Stddev	8.	.06	28.	.23	1.450	1.43
%RSD	.1771	.3996	.5705	.5520	15.90	7.431

#1	4760.	15.88	4888.	42.02	9.574	17.59
#2	4774.	15.76	4903.	41.72	10.29	20.31
#3	4759.	15.78	4849.	41.56	7.501	19.69

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

Sample Name: CCVL Acquired: 4/12/2016 18:03:37 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.58	22.11	50.40	31.67	48.54	19.42
Stddev	2.42	1.23	.39	.13	.57	.20
%RSD	12.38	5.558	.7740	.4102	1.174	1.040
#1	22.32	20.81	50.26	31.76	47.92	19.32
#2	18.69	23.26	50.09	31.52	49.05	19.30
#3	17.72	22.27	50.84	31.72	48.65	19.66

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	49.80	20.76	20.90	F 14.09
Stddev	.27	.13	.21	6.97
%RSD	.5439	.6379	1.010	49.50
#1	49.95	20.73	21.12	20.67
#2	49.49	20.91	20.70	14.82
#3	49.96	20.65	20.89	6.776

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	3026.3	38465.	6101.0
Stddev	10.2	346.	98.4
%RSD	.33634	.90068	1.6131
#1	3018.6	38115.	5996.9
#2	3022.6	38472.	6113.4
#3	3037.9	38808.	6192.6

Sample Name: LCS 460-361411/2-A Acquired: 4/12/2016 19:25:45 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2045.	1795.	47.76	1850.	49.08	18800.
Stddev	3.	8.	.67	1.	.31	32.
%RSD	.1609	.4285	1.393	.0639	.6270	.1726

#1	2041.	1802.	47.19	1848.	49.13	18810.
#2	2046.	1798.	47.59	1851.	48.75	18760.
#3	2047.	1787.	48.49	1850.	49.36	18820.

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	48.53	483.2	188.7	230.3	1016.	17690.
Stddev	.06	.6	2.1	.7	1.	66.
%RSD	.1227	.1172	1.137	.3178	.1361	.3737

#1	48.49	483.7	186.2	229.5	1014.	17650.
#2	48.50	482.6	189.3	231.0	1017.	17650.
#3	48.60	483.2	190.4	230.2	1016.	17760.

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	17930.	490.5	18210.	482.3	440.2	463.9
Stddev	43.	.3	56.	.4	1.6	1.5
%RSD	.2375	.0612	.3094	.0832	.3595	.3129

#1	17960.	490.5	18220.	482.7	441.4	464.2
#2	17880.	490.2	18150.	482.3	440.8	465.1
#3	17940.	490.8	18270.	481.9	438.4	462.3

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

Sample Name: LCS 460-361411/2-A Acquired: 4/12/2016 19:25:45 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1896.	2074.	486.9	530.8	462.3	460.9
Stddev	5.	9.	1.3	.2	.9	1.2
%RSD	.2458	.4354	.2567	.0315	.1982	.2686

#1	1901.	2083.	487.5	531.0	461.3	460.4
#2	1894.	2065.	485.4	530.8	462.6	460.0
#3	1892.	2075.	487.6	530.6	463.1	462.3

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	475.4	486.7	496.5	47.06
Stddev	1.6	1.6	.6	6.02
%RSD	.3390	.3337	.1280	12.79

#1	475.3	485.4	495.8	40.26
#2	473.9	486.3	497.0	51.71
#3	477.1	488.5	496.7	49.21

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	3074.9	38849.	6152.0
Stddev	16.0	321.	92.5
%RSD	.51980	.82572	1.5042

#1	3092.0	39166.	6207.6
#2	3072.5	38856.	6203.2
#3	3060.3	38524.	6045.2

Sample Name: 460-111599-A-1-A Acquired: 4/12/2016 19:33:51 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.12	.9823	.2259	43.93	-.0944	26870.
Stddev	15.55	1.163	.1357	.14	.0426	116.
%RSD	31.03	118.4	60.09	.3148	45.15	.4328
#1	32.34	.2964	.3724	43.78	-.1314	26970.
#2	61.18	.3250	.1044	43.95	-.0478	26740.
#3	56.84	2.326	.2009	44.06	-.1040	26900.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.545	-.0476	142.4	.6751	.3766	2789.
Stddev	.017	.0798	.9	.2161	9.335	26.
%RSD	.2200	167.8	.6453	32.01	2479.	.9409
#1	7.562	-.1006	143.3	.6368	-9.684	2759.
#2	7.529	-.0863	141.5	.9077	8.756	2801.
#3	7.545	.0442	142.5	.4807	2.058	2808.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4118.	67.53	42600.	.9975	-3.304	-1.044
Stddev	17.	.23	98.	.2081	.831	1.925
%RSD	.4174	.3449	.2308	20.86	25.14	184.4
#1	4101.	67.73	42490.	.8063	-4.154	-3.172
#2	4118.	67.27	42680.	1.219	-3.266	.5774
#3	4135.	67.58	42630.	.9671	-2.493	-.5370

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

Sample Name: 460-111599-A-1-A Acquired: 4/12/2016 19:33:51 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.391	3.676	-.3256	2.163	34.29	-.4801
Stddev	1.386	.841	.2405	.295	.44	.2064
%RSD	57.95	22.88	73.88	13.66	1.281	42.99
#1	-3.890	3.921	-.0972	2.006	33.84	-.4847
#2	-1.156	2.740	-.3029	1.980	34.32	-.2714
#3	-2.128	4.368	-.5766	2.504	34.72	-.6841

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7045	131.7	1.039	2830.
Stddev	.4277	1.0	.130	32.
%RSD	60.72	.7666	12.54	1.117
#1	1.195	130.6	.9258	2810.
#2	.4119	131.8	1.011	2813.
#3	.5061	132.6	1.182	2866.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3063.2	38958.	6206.0
Stddev	7.4	127.	21.0
%RSD	.24092	.32550	.33913
#1	3071.6	38947.	6205.9
#2	3060.2	39090.	6185.0
#3	3057.8	38838.	6227.1

Sample Name: CCV Acquired: 4/12/2016 19:42:23 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	132600.	2329.	1238.	9596.	1015.	120700.
Stddev	454.	5.	4.	7.	2.	1184.
%RSD	.3423	.1953	.3130	.0743	.1971	.9810

#1	133100.	2333.	1237.	9604.	1014.	121400.
#2	132300.	2331.	1242.	9592.	1018.	121300.
#3	132300.	2324.	1235.	9591.	1014.	119300.

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	1210.	2451.	4648.	12050.	102100.	49950.
Stddev	3.	4.	41.	17.	600.	86.
%RSD	.2719	.1640	.8824	.1418	.5881	.1727

#1	1213.	2451.	4669.	12040.	102600.	49870.
#2	1210.	2455.	4675.	12050.	102300.	50040.
#3	1206.	2447.	4601.	12070.	101400.	49930.

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.	4959.	120300.	2374.	6936.	963.4
Stddev	1036.	33.	146.	5.	18.	3.9
%RSD	.8897	.6578	.1210	.2052	.2615	.4076

#1	117000.	4982.	120300.	2377.	6948.	964.2
#2	117000.	4973.	120500.	2377.	6945.	959.1
#3	115200.	4922.	120200.	2368.	6915.	966.8

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

Sample Name: CCV Acquired: 4/12/2016 19:42:23 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2309.	2504.	2467.	2534.	919.4	2405.
Stddev	6.	11.	12.	22.	3.3	1.
%RSD	.2638	.4305	.4667	.8752	.3628	.0517

#1	2306.	2516.	2478.	2549.	916.0	2404.
#2	2305.	2501.	2468.	2544.	919.4	2404.
#3	2316.	2495.	2455.	2508.	922.7	2406.

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	956.4	5105.	10260.	9408.
Stddev	2.5	8.	88.	96.
%RSD	.2572	.1514	.8582	1.025

#1	959.1	5114.	10360.	9492.
#2	955.8	5102.	10240.	9430.
#3	954.3	5100.	10190.	9303.

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	2863.0	36731.	5813.7
Stddev	18.5	461.	33.1
%RSD	.64528	1.2562	.56875

#1	2852.5	36373.	5777.4
#2	2852.2	36569.	5821.6
#3	2884.3	37252.	5842.1

Sample Name: pds 460-111599-A-1-A Acquired: 4/12/2016 19:58:55 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2077.	1783.	48.58	1878.	49.69	45020.
Stddev	28.	6.	.71	4.	.50	19.
%RSD	1.337	.3382	1.455	.2011	1.012	.0425
#1	2107.	1780.	48.12	1876.	49.97	44990.
#2	2073.	1779.	48.22	1876.	49.11	45030.
#3	2052.	1790.	49.39	1882.	49.98	45030.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54.77	478.2	327.4	231.7	1009.	20580.
Stddev	.05	1.6	2.6	1.8	9.	116.
%RSD	.0972	.3433	.8058	.7709	.9139	.5655
#1	54.72	476.9	325.4	229.8	1008.	20700.
#2	54.82	477.6	326.5	231.9	1001.	20560.
#3	54.78	480.0	330.4	233.3	1019.	20470.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21680.	550.6	60140.	473.7	429.4	462.1
Stddev	27.	.4	325.	1.6	1.8	3.5
%RSD	.1236	.0648	.5406	.3277	.4217	.7676
#1	21650.	550.7	60450.	472.8	427.7	465.0
#2	21700.	550.3	60180.	472.9	429.3	458.1
#3	21700.	551.0	59800.	475.5	431.3	463.1

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

Sample Name: pds 460-111599-A-1-A Acquired: 4/12/2016 19:58:55 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1860.	2047.	482.9	514.3	496.9	459.4
Stddev	7.	4.	1.7	1.7	3.2	1.5
%RSD	.3506	.2082	.3590	.3308	.6442	.3208
#1	1853.	2051.	483.3	513.2	493.9	458.0
#2	1861.	2047.	481.1	513.4	496.6	459.2
#3	1866.	2042.	484.5	516.3	500.2	461.0

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	471.9	609.8	497.9	2801.
Stddev	1.7	2.7	.4	16.
%RSD	.3616	.4380	.0732	.5836
#1	471.8	612.6	498.2	2792.
#2	470.3	609.6	497.9	2820.
#3	473.7	607.2	497.5	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	3013.5	38199.	5970.6
Stddev	10.6	98.	29.3
%RSD	.35220	.25564	.49069
#1	3025.4	38311.	5939.1
#2	3005.1	38130.	5975.5
#3	3009.9	38156.	5997.1

Sample Name: 460-110397-E-4-F Acquired: 4/12/2016 18:11:36 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1174.	14.63	.1223	19.40	-.0215	21390.
Stddev	9.	2.18	.5604	.08	.0951	68.
%RSD	.7885	14.93	458.3	.4012	441.3	.3157
#1	1164.	13.89	-.0605	19.42	.0444	21320.
#2	1183.	17.09	.7513	19.32	-.1306	21410.
#3	1176.	12.91	-.3239	19.47	.0215	21450.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0098	.1401	4.342	15.62	767.3	3882.
Stddev	.0875	.2085	.464	.18	3.2	34.
%RSD	895.2	148.9	10.69	1.181	.4148	.8878
#1	.0114	.3735	3.806	15.81	765.5	3879.
#2	-.1060	-.0278	4.604	15.62	765.4	3918.
#3	.0652	.0745	4.617	15.44	770.9	3850.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	724.1	13.06	14980.	7.343	-3.507	3.805
Stddev	1.4	.07	31.	.721	1.244	1.380
%RSD	.2000	.5046	.2065	9.812	35.47	36.27
#1	725.5	13.01	14980.	7.333	-2.915	5.077
#2	722.6	13.04	14950.	8.068	-2.669	4.000
#3	724.3	13.14	15010.	6.628	-4.936	2.337

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

Sample Name: 460-110397-E-4-F Acquired: 4/12/2016 18:11:36 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.1817	-1.1971	59.25	30.51	78.88	2.582
Stddev	1.691	1.481	.46	.22	.93	.135
%RSD	930.4	751.4	.7756	.7119	1.175	5.218
#1	-2.132	-1.480	59.68	30.27	78.09	2.475
#2	.8659	-.5345	58.77	30.61	78.64	2.733
#3	.7210	1.423	59.32	30.66	79.90	2.538

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.957	148.4	28.46	5690.
Stddev	.590	.9	1.70	11.
%RSD	30.11	.6017	5.961	.1964
#1	1.460	148.2	27.29	5677.
#2	2.609	147.5	27.68	5697.
#3	1.803	149.3	30.40	5696.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2991.4	38309.	6075.2
Stddev	9.9	63.	49.2
%RSD	.33113	.16534	.81001
#1	3002.4	38352.	6125.7
#2	2988.6	38237.	6072.6
#3	2983.2	38339.	6027.3

Sample Name: 460-110639-B-2-B Acquired: 4/12/2016 18:15:46 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2869.	3.321	.1385	24.67	-.0246	6582.
Stddev	13.	1.112	.4941	.11	.1202	50.
%RSD	.4523	33.47	356.8	.4354	488.0	.7593

#1	2882.	4.556	.5496	24.55	.0200	6634.
#2	2856.	3.009	-.4096	24.74	.0669	6534.
#3	2870.	2.400	.2754	24.72	-.1607	6578.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1351	.9051	3.985	4.883	2498.	801.5
Stddev	.0696	.0457	.289	.252	14.	7.7
%RSD	51.54	5.047	7.263	5.162	.5429	.9658

#1	.2119	.9331	4.296	4.689	2504.	810.5
#2	.0761	.8524	3.936	5.168	2482.	797.6
#3	.1173	.9298	3.723	4.792	2507.	796.5

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	970.2	51.59	10090.	2.972	34.39	.7170
Stddev	1.6	.08	16.	.238	.58	.5647
%RSD	.1697	.1546	.1619	8.020	1.696	78.76

#1	972.1	51.59	10110.	2.768	34.59	.4565
#2	969.2	51.51	10080.	2.914	33.73	1.365
#3	969.3	51.67	10080.	3.234	34.84	.3295

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

Sample Name: 460-110639-B-2-B Acquired: 4/12/2016 18:15:46 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2173	1.407	5.747	24.93	46.70	7.297
Stddev	1.847	2.167	.125	.29	.67	.076
%RSD	849.6	154.0	2.181	1.152	1.430	1.043
#1	1.790	-8697	5.876	25.02	46.82	7.248
#2	-1.816	3.445	5.626	24.61	47.31	7.258
#3	.6777	1.646	5.740	25.16	45.99	7.384

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	1.646	24.92	91.20	3792.
Stddev	1.022	.00	1.76	54.
%RSD	62.10	.0087	1.935	1.418
#1	2.483	24.92	92.56	3730.
#2	.5067	24.92	91.84	3818.
#3	1.949	24.92	89.21	3827.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3048.5	38583.	6180.7
Stddev	11.6	412.	139.8
%RSD	.38105	1.0674	2.2618
#1	3035.1	38146.	6019.3
#2	3056.1	38964.	6263.1
#3	3054.3	38641.	6259.6

Sample Name: 460-111691-A-1-B MS Acquired: 4/12/2016 20:07:04 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2159.	1866.	48.88	1975.	50.73	52500.
Stddev	16.	3.	.60	3.	.08	170.
%RSD	.7470	.1643	1.231	.1679	.1600	.3236
#1	2171.	1863.	49.54	1976.	50.81	52630.
#2	2141.	1866.	48.36	1971.	50.72	52300.
#3	2166.	1869.	48.73	1977.	50.65	52560.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.96	490.2	187.3	241.3	1169.	23960.
Stddev	.11	.2	1.1	.1	13.	86.
%RSD	.2294	.0432	.5804	.0522	1.096	.3581
#1	49.09	490.1	186.7	241.1	1156.	24030.
#2	48.91	490.1	186.8	241.4	1182.	23990.
#3	48.88	490.4	188.6	241.4	1169.	23870.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31450.	511.6	137200.	502.7	437.1	479.5
Stddev	64.	.8	223.	1.0	.5	1.0
%RSD	.2032	.1516	.1621	.2086	.1111	.2105
#1	31450.	511.7	137500.	502.4	436.7	480.2
#2	31390.	510.8	137100.	501.9	437.6	480.0
#3	31520.	512.4	137000.	503.9	437.1	478.4

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

Sample Name: 460-111691-A-1-B MS Acquired: 4/12/2016 20:07:04 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1920.	2066.	499.7	561.6	498.3	476.2
Stddev	7.	6.	1.1	1.1	1.5	.4
%RSD	.3507	.2833	.2197	.2034	.3034	.0802
#1	1912.	2060.	500.4	562.1	496.8	476.0
#2	1924.	2072.	498.4	562.4	499.8	476.6
#3	1922.	2066.	500.2	560.3	498.1	475.8

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	483.0	723.1	513.1	3677.
Stddev	2.3	2.7	.3	17.
%RSD	.4737	.3738	.0545	.4539
#1	480.9	725.0	513.4	3688.
#2	482.8	724.2	513.0	3658.
#3	485.5	720.0	512.8	3685.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2983.7	37934.	6005.7
Stddev	9.4	64.	15.1
%RSD	.31354	.16752	.25142
#1	2987.2	37950.	6003.9
#2	2990.8	37987.	5991.5
#3	2973.1	37863.	6021.6

Sample Name: 460-111595-B-1-A Acquired: 4/12/2016 20:15:16 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	563.3	1.446	-1.1596	64.24	-1.1254	131900.
Stddev	7.9	2.481	.2040	.29	.2144	654.
%RSD	1.397	171.6	127.8	.4453	171.0	.4957
#1	566.5	-8.877	-.3748	64.04	-.1159	132500.
#2	569.1	1.173	-.1350	64.57	-.3444	131800.
#3	554.3	4.052	.0310	64.11	.0841	131200.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8180	.0577	12.72	5.311	278.1	19790.
Stddev	.1557	.1964	.64	.229	7.5	44.
%RSD	19.03	340.5	4.997	4.309	2.707	.2239
#1	.7426	-.1670	13.32	5.126	275.8	19840.
#2	.9970	.1971	12.80	5.240	286.5	19750.
#3	.7143	.1429	12.05	5.567	272.0	19780.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	171.6	28.84	32570.	10.16	-7.431	-.5751
Stddev	1.2	.10	76.	.48	1.022	1.092
%RSD	.6901	.3332	.2332	4.742	13.75	189.9
#1	172.5	28.81	32630.	10.12	-8.611	.1110
#2	172.1	28.95	32600.	10.67	-6.838	-.0018
#3	170.3	28.77	32490.	9.706	-6.844	-1.835

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

Sample Name: 460-111595-B-1-A Acquired: 4/12/2016 20:15:16 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.081	1.414	13.04	12.72	8.080	14.62
Stddev	2.216	1.268	.22	.12	.218	.23
%RSD	71.91	89.63	1.652	.9335	2.703	1.541
#1	-2.284	2.862	13.09	12.59	8.316	14.55
#2	-5.585	.8752	12.80	12.77	8.038	14.87
#3	-1.374	.5052	13.22	12.81	7.886	14.44

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2593	5629.	2.200	5702.
Stddev	.9600	11.	.111	41.
%RSD	370.2	.1912	5.051	.7201
#1	-.4124	5638.	2.241	5667.
#2	-.1686	5633.	2.285	5693.
#3	1.359	5617.	2.074	5747.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3032.8	38589.	6106.6
Stddev	13.9	228.	42.8
%RSD	.45888	.59000	.70154
#1	3047.0	38849.	6155.9
#2	3032.1	38491.	6085.3
#3	3019.2	38426.	6078.5

Sample Name: MB 460-362089/1-A Acquired: 4/12/2016 18:24:08 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.902	.3232	-.0149	-.0740	-.0520	15.05
Stddev	7.826	.7056	.4299	.0480	.0811	1.46
%RSD	159.7	218.3	2880.	64.85	156.0	9.722

#1	7.501	.6454	.1794	-.0472	-.0749	14.53
#2	11.10	-.4860	-.5077	-.1294	-.1192	16.70
#3	-3.894	.8102	.2835	-.0454	.0381	13.92

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	.1319	.0006	.2996	.0195	-9.113	11.07
Stddev	.0858	.0468	.3429	.1458	9.945	26.59
%RSD	65.00	7209.	114.5	748.4	109.1	240.3

#1	.1954	-.0331	.1679	-.0391	1.561	-7.562
#2	.0344	.0540	.6888	-.0880	-18.12	-7.543
#3	.1660	-.0190	.0420	.1855	-10.78	41.52

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0912	.0060	11.98	.3248	.0574	.0740
Stddev	.8173	.0251	3.94	.6948	1.914	.6569
%RSD	896.2	419.4	32.85	213.9	3331.	888.2

#1	.4770	.0048	8.706	-.1403	1.268	-.1571
#2	.2773	-.0185	10.89	-.0088	-2.149	-4.362
#3	-1.028	.0317	16.35	1.123	1.053	.8151

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

Sample Name: MB 460-362089/1-A Acquired: 4/12/2016 18:24:08 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5282	.3392	-.2303	.6865	-.2057	-.2608
Stddev	1.741	1.396	.4182	.1151	.3601	.0505
%RSD	329.7	411.6	181.6	16.77	175.0	19.35
#1	1.105	1.424	-.6427	.8093	-.4324	-.2785
#2	-2.360	.8294	.1933	.6692	-.3942	-.2039
#3	-.3297	-1.236	-.2416	.5810	.2095	-.3002

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5348	-.0500	-.0410	12.46
Stddev	.1147	.0445	.1529	4.03
%RSD	21.45	89.15	373.4	32.32
#1	.4257	-.0004	.1304	8.910
#2	.5242	-.0628	-.0899	11.62
#3	.6545	-.0867	-.1634	16.83

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	3027.1	38530.	6083.8
Stddev	20.6	214.	26.3
%RSD	.68010	.55480	.43266
#1	3047.0	38659.	6110.4
#2	3028.3	38647.	6057.8
#3	3005.9	38283.	6083.2

Sample Name: 460-111595-B-4-A Acquired: 4/12/2016 20:28:08 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	449.8	4.614	.3230	10.58	-.0978	95040.
Stddev	3.2	2.280	.3842	.03	.0382	491.
%RSD	.7043	49.42	118.9	.2865	39.08	.5163
#1	449.3	5.060	.5887	10.62	-.0546	95500.
#2	446.9	6.639	-.1175	10.57	-.1274	95080.
#3	453.2	2.144	.4978	10.57	-.1113	94520.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2845	.1607	84.83	8.241	885.1	2029.
Stddev	.0666	.3771	1.07	.123	9.6	31.
%RSD	23.40	234.7	1.265	1.489	1.085	1.531
#1	.3538	.5640	85.69	8.380	896.0	1997.
#2	.2211	.1013	85.18	8.147	878.0	2032.
#3	.2785	-.1832	83.63	8.198	881.3	2058.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8481.	146.3	28970.	3.729	-3.642	-2.046
Stddev	82.	1.3	23.	.539	1.098	1.782
%RSD	.9624	.9032	.0786	14.46	30.16	87.08
#1	8565.	147.7	29000.	3.129	-3.522	-.8591
#2	8475.	146.0	28960.	3.886	-2.608	-4.095
#3	8402.	145.1	28960.	4.173	-4.795	-1.184

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

Sample Name: 460-111595-B-4-A Acquired: 4/12/2016 20:28:08 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.925	2.892	.6972	3.322	56.15	-.3516
Stddev	1.770	.526	.1101	.338	.49	.0461
%RSD	91.95	18.19	15.80	10.17	.8737	13.11
#1	-.2434	3.165	.6231	3.370	56.04	-.3257
#2	-1.759	3.225	.6448	3.633	55.73	-.3242
#3	-3.771	2.286	.8238	2.962	56.69	-.4048

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7508	300.9	2.373	3967.
Stddev	.2308	.9	.049	47.
%RSD	30.74	.2961	2.058	1.194
#1	.9934	300.1	2.393	3978.
#2	.7253	300.8	2.318	3915.
#3	.5338	301.8	2.409	4008.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3042.7	38969.	6149.3
Stddev	7.1	29.	33.1
%RSD	.23217	.07557	.53755
#1	3050.4	38982.	6170.7
#2	3041.2	38935.	6111.2
#3	3036.5	38989.	6165.9

Sample Name: CCV Acquired: 4/12/2016 20:36:38 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	133000.	2317.	1252.	9587.	1017.	119500.
Stddev	485.	6.	3.	4.	2.	222.
%RSD	.3646	.2480	.2179	.0401	.1995	.1856

#1	133600.	2316.	1250.	9592.	1018.	119300.
#2	132700.	2323.	1250.	9587.	1015.	119400.
#3	132800.	2312.	1255.	9584.	1018.	119700.

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.	2451.	4637.	12210.	102100.	50210.
Stddev	.	1.	14.	15.	178.	67.
%RSD	.0388	.0460	.3007	.1264	.1743	.1324

#1	1206.	2452.	4622.	12190.	102100.	50280.
#2	1205.	2452.	4641.	12220.	102000.	50150.
#3	1205.	2450.	4649.	12220.	102300.	50200.

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	115400.	4933.	120300.	2366.	6910.	967.9
Stddev	230.	5.	80.	1.	7.	1.8
%RSD	.1994	.0935	.0668	.0573	.1011	.1875

#1	115200.	4927.	120200.	2367.	6902.	970.0
#2	115500.	4935.	120200.	2365.	6915.	966.8
#3	115600.	4935.	120300.	2367.	6912.	966.9

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

Sample Name: CCV Acquired: 4/12/2016 20:36:38 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2299.	2510.	2462.	2511.	922.9	2408.
Stddev	4.	10.	4.	1.	1.0	1.
%RSD	.1760	.3853	.1594	.0284	.1058	.0598

#1	2303.	2512.	2458.	2511.	923.4	2408.
#2	2298.	2499.	2464.	2512.	923.5	2406.
#3	2295.	2518.	2465.	2510.	921.8	2409.

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	953.9	5112.	10320.	9640.
Stddev	2.0	13.	32.	40.
%RSD	.2055	.2535	.3106	.4105

#1	952.7	5125.	10340.	9597.
#2	952.7	5099.	10340.	9675.
#3	956.1	5112.	10280.	9649.

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	2870.0	37170.	5979.5
Stddev	4.4	84.	12.8
%RSD	.15328	.22525	.21465

#1	2867.3	37178.	5974.5
#2	2875.1	37250.	5994.0
#3	2867.7	37083.	5969.9

Sample Name: 460-111911-B-33-B DU Acquired: 4/12/2016 18:32:13 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.67	-.1594	.0732	23.14	-.1136	20190.
Stddev	7.29	2.039	.3490	.17	.0441	17.
%RSD	13.59	1280.	477.0	.7318	38.84	.0848
#1	50.77	-1.883	.1405	23.32	-.1567	20180.
#2	61.96	-.6876	-.3046	22.98	-.0685	20180.
#3	48.27	2.092	.3836	23.11	-.1157	20210.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0640	-.1607	.1032	57.52	44.70	1276.
Stddev	.0482	.2946	.3944	.53	4.24	27.
%RSD	75.29	183.3	382.3	.9190	9.494	2.088
#1	.1117	-.1309	-.3310	56.97	43.14	1259.
#2	.0154	.1179	.2011	58.03	49.50	1307.
#3	.0649	-.4690	.4393	57.55	41.45	1262.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6604.	2.645	46710.	55.71	210.2	1.206
Stddev	23.	.048	381.	.33	1.7	1.512
%RSD	.3489	1.831	.8151	.5845	.8186	125.4
#1	6583.	2.613	46780.	55.74	210.2	.7296
#2	6629.	2.621	47050.	55.37	208.4	2.898
#3	6600.	2.701	46300.	56.02	211.8	-.0110

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

Sample Name: 460-111911-B-33-B DU Acquired: 4/12/2016 18:32:13 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.715	.2415	-.1198	706.8	18.50	-.0546
Stddev	1.046	1.564	.2845	3.3	.75	.0672
%RSD	38.53	647.4	237.5	.4711	4.036	123.0
#1	-2.530	-.1723	-.4251	705.7	19.30	.0144
#2	-1.774	1.971	-.0722	704.1	17.83	-.1197
#3	-3.842	-1.074	.1379	710.5	18.37	-.0585

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.257	84.83	1.010	3062.
Stddev	.407	.89	.077	31.
%RSD	18.02	1.044	7.611	1.019
#1	1.834	84.20	.9273	3027.
#2	2.646	85.84	1.080	3070.
#3	2.290	84.44	1.022	3088.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2975.1	37842.	6048.6
Stddev	14.4	83.	75.8
%RSD	.48363	.21962	1.2527
#1	2974.6	37768.	6020.5
#2	2989.8	37827.	5991.0
#3	2961.0	37932.	6134.5

Sample Name: 460-111911-B-33-A Acquired: 4/12/2016 18:36:21 Type: Unk

Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.84	-.7691	-.0309	23.36	-.1736	20090.
Stddev	4.58	.4008	.0433	.15	.2232	33.
%RSD	8.504	52.11	140.2	.6606	128.6	.1658

#1	57.35	-.9984	.0178	23.51	-.4014	20050.
#2	48.66	-.3063	-.0650	23.20	.0448	20100.
#3	55.49	-1.003	-.0454	23.38	-.1643	20110.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1147	-.0483	.2677	57.71	52.23	1274.
Stddev	.1123	.1611	.3177	.65	2.33	52.
%RSD	97.86	333.9	118.7	1.122	4.462	4.042

#1	.2389	.0085	-.0699	57.92	54.53	1255.
#2	.0205	-.2301	.3119	56.98	49.87	1333.
#3	.0847	.0768	.5609	58.23	52.28	1235.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6598.	2.660	47120.	55.23	210.3	-.1566
Stddev	27.	.055	100.	.41	.8	.5880
%RSD	.4164	2.081	.2112	.7373	.3754	375.4

#1	6575.	2.695	47220.	55.49	210.8	-.1228
#2	6628.	2.690	47140.	55.45	210.6	.4137
#3	6590.	2.596	47020.	54.77	209.4	-.7608

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

Sample Name: 460-111911-B-33-A Acquired: 4/12/2016 18:36:21 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3534	1.253	-.2884	702.9	18.66	-.3767
Stddev	5.027	1.626	.2459	.3	.38	.1518
%RSD	1423.	129.7	85.29	.0416	2.031	40.29
#1	1.159	-.6066	-.1590	702.7	18.99	-.4011
#2	3.744	1.961	-.1341	702.9	18.75	-.5148
#3	-5.963	2.405	-.5720	703.3	18.25	-.2142

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.757	85.73	.9066	3083.
Stddev	.250	.39	.0935	11.
%RSD	14.23	.4495	10.31	.3490
#1	1.471	85.63	.8215	3094.
#2	1.863	86.15	.8916	3072.
#3	1.936	85.40	1.007	3083.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2985.2	38152.	6090.7
Stddev	4.5	36.	35.4
%RSD	.15162	.09566	.58100
#1	2983.7	38158.	6059.0
#2	2981.5	38185.	6084.2
#3	2990.2	38112.	6128.9

Sample Name: 460-111595-B-7-A Acquired: 4/12/2016 20:53:25 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2218.	2.578	1.099	25.63	1.411	58600.
Stddev	26.	1.236	.441	.09	.032	101.
%RSD	1.154	47.96	40.08	.3414	2.248	.1721
#1	2194.	3.975	1.130	25.53	1.439	58490.
#2	2215.	1.626	1.524	25.68	1.377	58660.
#3	2245.	2.131	.6441	25.69	1.418	58660.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0977	2.010	25.85	3.608	17210.	1559.
Stddev	.0231	.103	.20	.129	96.	2.
%RSD	23.65	5.138	.7754	3.578	.5558	.1199
#1	.0797	1.998	25.73	3.464	17100.	1560.
#2	.0897	1.913	26.08	3.648	17250.	1557.
#3	.1238	2.119	25.74	3.713	17280.	1560.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5393.	9433.	16100.	4.004	-8.563	-.9879
Stddev	17.	75.	53.	.154	1.462	2.360
%RSD	.3108	.7972	.3305	3.846	17.08	238.9
#1	5377.	9346.	16070.	3.998	-6.908	.5933
#2	5394.	9479.	16070.	3.854	-9.103	-3.700
#3	5410.	9474.	16160.	4.162	-9.679	.1434

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

Sample Name: 460-111595-B-7-A Acquired: 4/12/2016 20:53:25 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.373	6.392	8.134	13.33	23.21	.1799
Stddev	3.112	1.392	.465	.13	.44	.0490
%RSD	92.28	21.77	5.711	.9412	1.887	27.22
#1	-4.624	6.211	8.658	13.18	23.48	.1796
#2	-5.665	7.866	7.774	13.40	23.44	.2291
#3	.1703	5.100	7.969	13.40	22.70	.1311

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3141	176.6	3.173	5552.
Stddev	.0173	.7	.194	40.
%RSD	5.493	.3982	6.106	.7181
#1	-.3171	175.9	2.955	5520.
#2	-.3296	176.6	3.326	5538.
#3	-.2955	177.3	3.239	5597.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3222.5	40999.	6495.6
Stddev	17.0	371.	73.2
%RSD	.52626	.90588	1.1270
#1	3242.1	41427.	6579.9
#2	3212.3	40806.	6458.3
#3	3213.2	40763.	6448.5

Sample Name: 460-111626-B-2-A Acquired: 4/12/2016 21:02:07 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	227.1	3.841	.2749	57.64	-.1086	46540.
Stddev	12.2	.888	.1922	.14	.0769	136.
%RSD	5.362	23.14	69.94	.2464	70.81	.2920
#1	220.2	3.523	.4853	57.55	-.0790	46410.
#2	219.9	4.844	.2308	57.56	-.1960	46540.
#3	241.2	3.154	.1085	57.80	-.0509	46680.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3489	.0925	357.5	1.503	169.8	1243.
Stddev	.0833	.0471	2.8	.097	4.5	34.
%RSD	23.87	50.87	.7829	6.448	2.647	2.732
#1	.2531	.0678	354.3	1.461	173.2	1214.
#2	.4047	.1468	359.3	1.435	171.5	1234.
#3	.3887	.0630	358.9	1.614	164.7	1280.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5049.	433.5	15810.	7.668	-4.812	-2.773
Stddev	20.	1.1	55.	.400	1.288	1.272
%RSD	.3968	.2556	.3476	5.214	26.78	45.85
#1	5026.	432.3	15760.	8.011	-3.329	-3.385
#2	5058.	433.6	15870.	7.763	-5.662	-1.311
#3	5064.	434.5	15800.	7.229	-5.444	-3.623

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

Sample Name: 460-111626-B-2-A Acquired: 4/12/2016 21:02:07 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1325	2.354	-.5356	6.106	21.60	-.4927
Stddev	3.342	.469	.1440	.282	.34	.1570
%RSD	2523.	19.92	26.89	4.623	1.575	31.87
#1	.3204	1.947	-.4099	5.922	21.91	-.3652
#2	-3.677	2.867	-.6928	5.966	21.66	-.6681
#3	2.960	2.249	-.5042	6.431	21.23	-.4448

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3204	143.1	2.547	3820.
Stddev	.2614	.6	.103	53.
%RSD	81.60	.4139	4.036	1.391
#1	.3946	142.4	2.547	3811.
#2	.0299	143.6	2.445	3772.
#3	.5368	143.2	2.650	3877.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3059.3	38848.	6140.3
Stddev	9.3	224.	53.0
%RSD	.30396	.57561	.86391
#1	3066.9	39057.	6190.6
#2	3062.1	38875.	6084.9
#3	3049.0	38612.	6145.4

Sample Name: sd 460-111911-B-33-A Acquired: 4/12/2016 18:40:30 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.94	1.441	.2740	4.402	-.1023	3964.
Stddev	13.35	1.586	.3512	.083	.0984	18.
%RSD	103.2	110.1	128.2	1.885	96.20	.4604

#1	9.317	-.1541	.5974	4.497	-.0747	3951.
#2	27.72	1.458	.3242	4.342	-.2115	3955.
#3	1.777	3.018	-.0997	4.367	-.0206	3985.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0501	-.1867	-.2034	10.96	8.445	241.1
Stddev	.1128	.0171	.4863	.10	9.758	49.7
%RSD	225.0	9.154	239.0	.9124	115.5	20.59

#1	-.0116	-.2008	-.3658	10.84	-.5922	184.8
#2	-.0183	-.1677	-.5878	11.01	7.136	260.1
#3	.1803	-.1917	.3433	11.02	18.79	278.5

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	1266.	.5506	9044.	10.94	41.02	.4028
Stddev	5.	.0560	20.	.53	.46	.0542
%RSD	.3727	10.17	.2238	4.881	1.127	13.45

#1	1260.	.4914	9058.	11.54	40.90	.3613
#2	1268.	.6028	9053.	10.77	41.53	.4641
#3	1268.	.5577	9021.	10.52	40.63	.3831

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

Sample Name: sd 460-111911-B-33-A Acquired: 4/12/2016 18:40:30 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .8358	.3616	- .3143	136.6	3.560	- .4250
Stddev	.9998	1.636	.2811	1.0	.267	.2934
%RSD	119.6	452.3	89.45	.7091	7.503	69.03
#1	- .1137	.8998	.0083	136.3	3.795	- .0896
#2	- 1.977	1.660	- .5067	135.8	3.270	- .5513
#3	- .4168	- 1.475	- .4444	137.6	3.617	- .6342

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.182	16.55	.2976	593.8
Stddev	.440	.09	.1235	6.0
%RSD	37.24	.5377	41.51	1.006
#1	.8421	16.48	.1716	590.0
#2	1.024	16.65	.4185	600.7
#3	1.679	16.52	.3028	590.7

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	3034.2	38428.	6014.3
Stddev	14.9	169.	20.7
%RSD	.49098	.43875	.34485
#1	3033.8	38377.	6032.1
#2	3049.3	38616.	6019.1
#3	3019.6	38290.	5991.5

Sample Name: CCV Acquired: 4/12/2016 18:48:33 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	128800.	2369.	1230.	9707.	1006.	121500.
Stddev	174.	6.	2.	7.	2.	326.
%RSD	.1353	.2388	.1657	.0734	.1787	.2682

#1	128800.	2375.	1233.	9708.	1008.	121700.
#2	128700.	2365.	1228.	9699.	1006.	121100.
#3	129000.	2365.	1230.	9713.	1005.	121600.

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	1219.	2456.	4749.	12150.	101200.	49490.
Stddev	1.	3.	7.	11.	455.	43.
%RSD	.1131	.1040	.1558	.0884	.4497	.0867

#1	1220.	2458.	4749.	12160.	101700.	49520.
#2	1217.	2453.	4741.	12140.	100800.	49510.
#3	1219.	2456.	4756.	12150.	101200.	49440.

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	118300.	4967.	120900.	2408.	7075.	964.1
Stddev	320.	11.	271.	3.	14.	1.9
%RSD	.2702	.2267	.2238	.1054	.2014	.1939

#1	118500.	4973.	120600.	2409.	7083.	961.9
#2	117900.	4954.	121200.	2405.	7058.	965.2
#3	118300.	4973.	120900.	2409.	7083.	965.1

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

Sample Name: CCV Acquired: 4/12/2016 18:48:33 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2362.	2500.	2473.	2514.	936.7	2425.
Stddev	8.	9.	8.	2.	3.7	2.
%RSD	.3186	.3548	.3044	.0862	.3951	.0771
#1	2371.	2508.	2476.	2515.	940.7	2425.
#2	2357.	2500.	2464.	2512.	933.3	2424.
#3	2358.	2490.	2478.	2516.	936.1	2427.

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	965.7	5065.	10170.	9523.
Stddev	1.0	1.	50.	51.
%RSD	.1028	.0153	.4911	.5368
#1	964.9	5065.	10190.	9466.
#2	965.4	5065.	10110.	9540.
#3	966.8	5066.	10200.	9564.

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	2860.1	36948.	6025.6
Stddev	4.5	165.	9.2
%RSD	.15741	.44561	.15326
#1	2856.5	36786.	6015.3
#2	2865.1	37115.	6033.0
#3	2858.5	36942.	6028.6

Sample Name: 460-111626-B-7-A Acquired: 4/12/2016 21:23:23 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	151.0	2.877	.3781	204.4	-.1173	76040.
Stddev	12.4	1.019	.2639	.4	.0575	588.
%RSD	8.182	35.42	69.78	.2168	49.00	.7737
#1	138.9	3.059	.6523	203.9	-.0591	76710.
#2	150.5	1.779	.1260	204.4	-.1740	75800.
#3	163.6	3.792	.3561	204.8	-.1187	75600.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1065	-.5069	9.295	.8830	46.13	2035.
Stddev	.0988	.2511	.214	.2062	1.82	26.
%RSD	92.78	49.54	2.301	23.36	3.944	1.296
#1	.0009	-.2438	9.320	1.093	48.22	2013.
#2	.1968	-.5329	9.495	.6805	44.91	2028.
#3	.1220	-.7439	9.070	.8758	45.26	2065.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11140.	20.39	19920.	.9595	-5.851	-1.433
Stddev	58.	.27	40.	.4804	.938	1.165
%RSD	.5173	1.316	.2013	50.07	16.03	81.26
#1	11210.	20.66	19950.	1.484	-6.896	-2.711
#2	11130.	20.39	19880.	.5404	-5.080	-.4310
#3	11090.	20.13	19940.	.8543	-5.578	-1.158

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

Sample Name: 460-111626-B-7-A Acquired: 4/12/2016 21:23:23 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.363	2.069	-0.3837	6.631	35.67	-0.2303
Stddev	.329	.990	.2989	.078	.25	.2358
%RSD	24.13	47.86	77.91	1.180	.7092	102.4
#1	-1.320	3.088	-.0849	6.638	35.47	-.4570
#2	-1.712	1.111	-.3833	6.549	35.57	.0137
#3	-1.058	2.007	-.6828	6.705	35.95	-.2476

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8727	1031.	2.385	4272.
Stddev	.3742	3.	.187	8.
%RSD	42.88	.2480	7.833	.1829
#1	1.157	1033.	2.388	4264.
#2	.4488	1028.	2.570	4279.
#3	1.012	1032.	2.197	4272.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3016.5	37988.	5927.5
Stddev	7.1	400.	67.1
%RSD	.23438	1.0524	1.1317
#1	3009.7	37595.	5879.7
#2	3015.8	37976.	5898.6
#3	3023.8	38394.	6004.2

Sample Name: CCVL Acquired: 4/12/2016 21:40:20 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	227.1	14.49	10.05	198.4	1.981	5004.
Stddev	8.6	2.42	.40	.6	.103	16.
%RSD	3.782	16.71	3.949	.2903	5.217	.3262

#1	227.9	14.03	9.768	198.7	2.080	5009.
#2	235.3	17.11	10.50	198.7	1.989	4985.
#3	218.2	12.33	9.869	197.7	1.874	5017.

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	4.246	51.53	9.902	24.55	160.5	4964.
Stddev	.044	.17	.308	.41	8.7	21.
%RSD	1.046	.3270	3.114	1.677	5.404	.4177

#1	4.208	51.61	9.990	24.10	170.4	4960.
#2	4.295	51.34	10.16	24.64	156.9	4987.
#3	4.234	51.64	9.559	24.91	154.2	4946.

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.	15.93	4819.	40.97	8.580	18.83
Stddev	8.	.07	17.	.37	1.014	.70
%RSD	.1678	.4466	.3578	.9145	11.82	3.739

#1	4666.	15.95	4827.	40.97	8.940	19.07
#2	4681.	15.85	4830.	40.59	9.365	19.39
#3	4671.	15.99	4799.	41.34	7.435	18.04

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

Sample Name: CCVL Acquired: 4/12/2016 21:40:20 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.53	22.91	50.61	32.33	46.54	18.99
Stddev	1.70	2.04	.57	.10	.54	.21
%RSD	10.28	8.897	1.119	.2946	1.158	1.100
#1	14.63	23.26	50.10	32.44	46.85	18.95
#2	17.03	24.75	51.22	32.26	46.84	18.80
#3	17.91	20.72	50.50	32.29	45.91	19.21

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	48.74	21.09	21.30	F 16.38
Stddev	.91	.19	.12	9.20
%RSD	1.863	.9081	.5495	56.17
#1	49.32	20.96	21.18	22.45
#2	49.21	21.31	21.42	20.88
#3	47.69	21.00	21.29	5.794

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	3087.0	38943.	5988.7
Stddev	12.5	192.	52.5
%RSD	.40386	.49252	.87633
#1	3077.6	38752.	5928.4
#2	3082.4	39136.	6023.8
#3	3101.2	38940.	6014.0

Sample Name: CCB Acquired: 4/12/2016 18:52:29 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5862	2.371	.2906	.0318	-.1206	12.94
Stddev	17.35	1.312	.3917	.0274	.0511	1.01
%RSD	2960.	55.35	134.8	86.21	42.35	7.816
#1	-19.66	3.736	.7428	.0522	-.0744	13.90
#2	14.26	1.118	.0734	.0425	-.1755	13.06
#3	3.637	2.260	.0557	.0006	-.1120	11.88

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	.1235	.0362	-.0184	.2568	9.502	49.24
Stddev	.1638	.2179	.2537	.3704	6.186	28.89
%RSD	132.6	602.3	1379.	144.3	65.11	58.67
#1	.3003	-.1606	.0263	.6232	12.50	17.81
#2	.0935	.2704	.2100	-.1176	13.61	55.26
#3	-.0232	-.0013	-.2915	.2648	2.387	74.64

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7211	.1161	23.69	.4622	-.1931	1.197
Stddev	2.481	.0756	13.99	.1558	.7632	.809
%RSD	344.1	65.12	59.04	33.70	395.2	67.59
#1	-1.759	.0971	39.84	.3479	-1.043	.3035
#2	-2.515	.1995	15.89	.3990	.0308	1.407
#3	2.111	.0518	15.34	.6396	.4331	1.879

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

Sample Name: CCB Acquired: 4/12/2016 18:52:29 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.540	-.2354	-.1608	-.0190	1.115	.7285
Stddev	1.233	.5249	.1942	.1067	.411	.2325
%RSD	48.55	223.0	120.7	560.4	36.86	31.91
#1	3.767	-.7617	.0526	-.1239	.9958	.9521
#2	2.552	.2881	-.3270	.0893	1.572	.7453
#3	1.301	-.2325	-.2081	-.0226	.7764	.4881

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3788	.1185	.4525	5.239
Stddev	.4279	.0131	.0929	4.772
%RSD	113.0	11.03	20.53	91.07
#1	-.0582	.1313	.5563	.7647
#2	.7970	.1051	.3775	4.693
#3	.3976	.1191	.4235	10.26

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	3040.9	38598.	6076.7
Stddev	8.9	100.	70.2
%RSD	.29143	.25815	1.1550
#1	3051.1	38709.	6056.4
#2	3036.7	38571.	6154.7
#3	3035.0	38515.	6018.8

Sample Name: pds 460-111911-B-33- Acquired: 4/12/2016 19:00:51 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2100.	1764.	46.32	1875.	48.98	37790.
Stddev	20.	1.	.22	4.	.08	61.
%RSD	.9299	.0538	.4823	.2056	.1682	.1605
#1	2078.	1764.	46.18	1878.	48.93	37820.
#2	2116.	1763.	46.19	1877.	48.94	37730.
#3	2105.	1764.	46.57	1871.	49.08	37840.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.33	478.9	185.4	286.0	1030.	18850.
Stddev	.21	.7	1.9	1.9	6.	27.
%RSD	.4377	.1507	1.036	.6547	.5742	.1412
#1	47.45	478.4	183.4	283.9	1023.	18830.
#2	47.45	479.7	185.7	286.9	1033.	18840.
#3	47.09	478.5	187.2	287.3	1034.	18880.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23540.	485.6	64290.	526.7	638.8	455.7
Stddev	32.	.5	144.	1.0	2.7	.2
%RSD	.1362	.1131	.2237	.1979	.4269	.0531
#1	23550.	486.0	64390.	527.7	640.9	455.6
#2	23500.	485.0	64340.	526.8	639.7	455.5
#3	23550.	485.8	64120.	525.6	635.7	455.9

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

Sample Name: pds 460-111911-B-33- Acquired: 4/12/2016 19:00:51 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1791.	2023.	487.4	1177.	467.2	467.1
Stddev	4.	5.	2.1	4.	1.4	.6
%RSD	.2449	.2321	.4253	.3074	.2975	.1334
#1	1793.	2018.	486.2	1181.	466.0	466.5
#2	1793.	2026.	486.2	1174.	468.7	467.7
#3	1785.	2026.	489.8	1176.	466.8	467.0

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	474.2	570.1	498.7	3139.
Stddev	1.3	1.2	.1	13.
%RSD	.2762	.2158	.0205	.4125
#1	474.9	570.2	498.6	3127.
#2	474.9	571.3	498.8	3138.
#3	472.7	568.8	498.6	3153.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2988.3	38180.	6040.5
Stddev	8.3	11.	27.1
%RSD	.27665	.02845	.44897
#1	2979.4	38168.	6067.9
#2	2995.8	38190.	6013.7
#3	2989.6	38182.	6039.8

Sample Name: CCVL Acquired: 4/12/2016 22:01:37 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	244.8	12.61	10.30	195.9	1.996	4930.
Stddev	9.1	1.81	.49	.5	.060	24.
%RSD	3.723	14.34	4.750	.2718	2.987	.4793

#1	253.3	12.60	9.838	196.3	1.929	4956.
#2	235.2	10.81	10.26	195.3	2.045	4910.
#3	245.9	14.43	10.81	196.2	2.014	4923.

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	4.236	51.32	9.515	24.96	154.7	5016.
Stddev	.017	.11	.595	.06	8.3	32.
%RSD	.3907	.2052	6.249	.2288	5.353	.6422

#1	4.227	51.37	9.142	25.02	150.7	4990.
#2	4.256	51.20	10.20	24.91	164.2	5006.
#3	4.227	51.40	9.202	24.94	149.2	5052.

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	4534.	15.65	4781.	40.64	10.21	18.62
Stddev	15.	.01	26.	.32	1.37	1.06
%RSD	.3267	.0700	.5451	.7889	13.37	5.675

#1	4550.	15.66	4762.	40.66	10.52	19.01
#2	4532.	15.66	4771.	40.31	8.721	17.42
#3	4521.	15.64	4811.	40.95	11.40	19.43

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

Sample Name: CCVL Acquired: 4/12/2016 22:01:37 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.81	24.27	50.30	32.16	45.98	18.93
Stddev	2.14	.55	.36	.28	.07	.50
%RSD	12.74	2.272	.7212	.8653	.1538	2.664
#1	19.23	23.67	50.70	32.41	45.90	19.25
#2	15.16	24.75	50.21	31.86	46.03	18.35
#3	16.04	24.41	49.99	32.21	46.00	19.18

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	47.88	21.18	21.31	F 20.04
Stddev	.62	.13	.31	18.47
%RSD	1.286	.5915	1.452	92.20
#1	47.31	21.10	21.67	33.72
#2	48.53	21.11	21.08	-.9773
#3	47.80	21.32	21.19	27.37

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	3100.3	39258.	5999.4
Stddev	10.9	46.	21.9
%RSD	.35007	.11740	.36434
#1	3098.8	39216.	6023.9
#2	3111.8	39251.	5981.8
#3	3090.3	39307.	5992.5

Sample Name: 460-111911-A-47-A Acquired: 4/12/2016 19:08:56 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44.77	1.820	.0656	24.54	-.1100	20140.
Stddev	5.37	1.344	.3283	.17	.0532	28.
%RSD	11.99	73.85	500.1	.6841	48.36	.1391
#1	49.79	2.856	.3115	24.53	-.1676	20110.
#2	45.41	2.305	.1926	24.38	-.0998	20130.
#3	39.11	.3009	-.3072	24.71	-.0627	20170.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0802	-.2183	-.1707	202.7	9.273	1246.
Stddev	.0658	.2248	.2020	1.3	15.20	43.
%RSD	82.02	103.0	118.4	.6432	163.9	3.433
#1	.1450	.0276	-.1441	203.9	18.60	1200.
#2	.0823	-.4134	-.3847	202.9	17.48	1256.
#3	.0134	-.2690	.0168	201.3	-8.261	1284.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6565.	1.611	46220.	1.149	-3.894	1.170
Stddev	32.	.069	232.	.428	1.527	.747
%RSD	.4920	4.283	.5022	37.21	39.22	63.82
#1	6592.	1.621	46380.	1.553	-2.314	2.005
#2	6574.	1.674	46320.	1.193	-4.005	.5663
#3	6529.	1.537	45950.	.7013	-5.363	.9385

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

Sample Name: 460-111911-A-47-A Acquired: 4/12/2016 19:08:56 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8287	.3234	-.2024	8.631	18.01	-.3090
Stddev	2.910	.9276	.1583	.078	.31	.2412
%RSD	351.1	286.8	78.22	.9032	1.725	78.07
#1	-3.643	1.324	-.2469	8.709	17.72	-.0341
#2	-1.010	.1541	-.3337	8.554	17.98	-.4855
#3	2.168	-.5079	-.0266	8.629	18.34	-.4073

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4381	85.08	1.111	3026.
Stddev	.5838	.16	.095	13.
%RSD	133.3	.1873	8.579	.4144
#1	.8271	84.93	1.040	3012.
#2	.7204	85.25	1.075	3029.
#3	-.2332	85.05	1.220	3037.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2996.5	37888.	6044.9
Stddev	5.5	173.	37.0
%RSD	.18339	.45623	.61230
#1	2997.7	38050.	6033.5
#2	3001.3	37909.	6015.0
#3	2990.5	37706.	6086.3

Sample Name: 460-110252-G-8-A Acquired: 4/12/2016 19:13:07 Type: Unk

Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	576.7	2.612	.1204	91.11	.5523	16620.
Stddev	11.5	1.696	.2171	.15	.1370	11.
%RSD	1.988	64.92	180.3	.1615	24.80	.0645

#1	564.0	1.804	.3287	90.98	.3960	16610.
#2	579.8	4.561	-.1045	91.27	.6511	16630.
#3	586.3	1.472	.1370	91.07	.6099	16610.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2029	2.310	136.6	2.998	1202.	7635.
Stddev	.1085	.335	.9	.103	7.	9.
%RSD	53.46	14.52	.6317	3.424	.5647	.1133

#1	.2702	2.530	136.1	3.047	1210.	7626.
#2	.2607	2.477	137.6	2.880	1197.	7643.
#3	.0778	1.924	136.1	3.067	1199.	7635.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4430.	136.6	47710.	14.26	-5.816	.0285
Stddev	11.	.3	358.	.39	.956	.6497
%RSD	.2492	.1990	.7493	2.746	16.44	2278.

#1	4417.	136.5	47880.	14.07	-6.321	-.7214
#2	4436.	136.9	47950.	14.71	-4.713	.3859
#3	4437.	136.5	47300.	13.99	-6.414	.4210

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

Sample Name: 460-110252-G-8-A Acquired: 4/12/2016 19:13:07 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4214	.8512	.6802	41.28	25.98	.8008
Stddev	3.143	.4620	.3249	.24	.20	.0907
%RSD	745.9	54.28	47.77	.5762	.7583	11.32

#1	.1464	1.272	.3218	41.40	26.20	.7306
#2	2.399	.3568	.9555	41.01	25.84	.9031
#3	-3.809	.9249	.7632	41.44	25.90	.7686

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5084	110.3	9.189	4593.
Stddev	.2143	.4	.247	51.
%RSD	42.15	.3790	2.692	1.106

#1	.6223	110.3	9.030	4544.
#2	.6416	110.7	9.474	4591.
#3	.2612	109.9	9.063	4645.

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

Int. Std.	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	38349.	6118.6
Stddev	7.8	18.	42.8
%RSD	.25714	.04790	.69868

#1	3026.0	38340.	6081.4
#2	3014.5	38371.	6109.0
#3	3011.3	38338.	6165.3

Sample Name: 460-111530-A-17-A Acquired: 4/12/2016 19:17:17 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9200	1.708	.0696	.1738	-.0489	33.86
Stddev	7.556	1.272	.3995	.1040	.0870	6.11
%RSD	821.3	74.46	574.0	59.81	178.0	18.04
#1	-8.399	2.671	.5284	.2909	.0413	34.50
#2	-1.071	.2663	-.1178	.0921	-.0555	27.46
#3	6.710	2.187	-.2018	.1385	-.1324	39.63

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1700	-.0815	.2690	.3875	-4.550	18.51
Stddev	.1014	.2297	.0723	.1915	9.155	22.84
%RSD	59.66	281.8	26.87	49.43	201.2	123.4
#1	.0603	.1811	.3120	.2399	2.320	36.54
#2	.1892	-.1805	.1856	.6040	-1.029	-7.185
#3	.2604	-.2451	.3094	.3188	-14.94	26.17

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	2.960	-.0071	35.46	.6062	-.0575	-.6689
Stddev	2.503	.0273	8.81	.3707	1.047	1.306
%RSD	84.54	382.5	24.83	61.14	1820.	195.2
#1	2.822	.0206	45.48	1.012	.4008	-1.587
#2	.5295	-.0341	31.92	.2856	.6820	-1.246
#3	5.529	-.0079	28.97	.5209	-1.255	.8261

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

Sample Name: 460-111530-A-17-A Acquired: 4/12/2016 19:17:17 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.233	2.274	-.1228	1.012	7.008	-.4827
Stddev	3.146	.928	.1092	.083	.657	.0534
%RSD	97.29	40.80	88.92	8.187	9.375	11.06
#1	.2642	3.292	-.0256	1.064	7.121	-.4281
#2	-4.133	1.475	-.2410	1.056	7.601	-.5348
#3	-5.831	2.055	-.1019	.9169	6.301	-.4852

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0764	.0637	-.1348	43.26
Stddev	.0357	.0997	.0469	15.00
%RSD	46.79	156.5	34.76	34.67
#1	.0722	.1694	-.0965	47.54
#2	.0429	-.0287	-.1870	55.66
#3	.1140	.0504	-.1209	26.59

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3081.9	38844.	6106.9
Stddev	11.1	178.	29.7
%RSD	.35955	.45789	.48572
#1	3093.2	38982.	6140.9
#2	3081.6	38907.	6086.6
#3	3071.0	38643.	6093.1

Sample Name: MB 460-361411/1-A Acquired: 4/12/2016 19:21:31 Type: QC

Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-8.459	.4599	.1258	-.1096	-.1452	25.54
Stddev	8.544	.8895	.7770	.0190	.1717	6.01
%RSD	101.0	193.4	617.8	17.30	118.3	23.53

#1	-8.138	.0381	.4420	-.1303	-.0960	29.81
#2	-17.16	1.482	-.7595	-.0930	-.3361	18.67
#3	-.0796	-.1402	.6948	-.1055	-.0034	28.15

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	.1705	-.3830	-.0176	.3104	-.1637	10.89
Stddev	.0828	.0658	.5904	.2341	8.764	48.81
%RSD	48.54	17.17	3361.	75.42	5353.	448.4

#1	.2414	-.3087	-.6829	.1257	-5.745	-44.37
#2	.1906	-.4069	.1864	.2318	-4.685	28.86
#3	.0795	-.4335	.4438	.5737	9.938	48.17

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	-.4505	-.0355	11.05	.1504	.4368	1.539
Stddev	2.244	.0640	7.01	.4112	.8223	.703
%RSD	498.2	180.3	63.41	273.3	188.3	45.67

#1	1.995	.0071	18.78	.5217	.5891	2.305
#2	-.9304	-.0045	5.095	.2211	1.172	1.387
#3	-2.416	-.1091	9.290	-.2915	-.4510	.9248

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

Sample Name: MB 460-361411/1-A Acquired: 4/12/2016 19:21:31 Type: QC

Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000

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

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {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	1.120	-.3417	.5230	.1844	-.2033
Stddev	2.786	.569	.2553	.2172	.2761	.2580
%RSD	131.0	50.83	74.71	41.54	149.7	126.9

#1	-4.049	.4628	-.0560	.2732	.4046	-.4893
#2	-3.400	1.461	-.4217	.6277	.2740	.0119
#3	1.068	1.436	-.5475	.6680	-.1254	-.1325

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.196	.0385	-.0766	6.794
Stddev	.945	.0602	.1137	5.812
%RSD	79.08	156.5	148.5	85.55

#1	.9166	.0061	.0544	8.956
#2	2.249	.1080	-.1335	.2107
#3	.4210	.0014	-.1505	11.22

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	3073.0	38884.	6104.3
Stddev	13.0	231.	35.6
%RSD	.42280	.59372	.58388

#1	3058.3	38660.	6069.4
#2	3083.0	38873.	6140.7
#3	3077.8	39121.	6102.9

Sample Name: 460-111599-A-1-B DU Acquired: 4/12/2016 19:29:41 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43.87	2.441	.2207	43.99	-.0908	27230.
Stddev	13.36	2.022	.4854	.26	.1384	2.
%RSD	30.46	82.84	219.9	.5832	152.5	.0090
#1	32.53	3.385	.6097	44.18	-.2282	27230.
#2	40.47	.1195	.3757	43.70	-.0926	27230.
#3	58.60	3.819	-.3232	44.10	.0486	27230.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.453	-.0891	145.5	.9769	.6101	2793.
Stddev	.077	.1890	1.1	.2438	15.21	19.
%RSD	1.040	212.2	.7802	24.95	2493.	.6929
#1	7.498	.0782	144.8	1.037	10.41	2771.
#2	7.498	-.2941	144.8	.7086	-16.91	2797.
#3	7.364	-.0513	146.8	1.185	8.336	2809.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4135.	68.05	42610.	.9673	-2.821	-2.365
Stddev	21.	.30	137.	.4180	.879	1.435
%RSD	.5169	.4352	.3211	43.21	31.15	60.66
#1	4131.	67.87	42700.	1.212	-2.313	-3.996
#2	4115.	67.89	42680.	.4847	-2.315	-1.807
#3	4158.	68.39	42450.	1.205	-3.836	-1.294

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

Sample Name: 460-111599-A-1-B DU Acquired: 4/12/2016 19:29:41 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.502	1.989	-2.754	2.260	34.66	-.0800
Stddev	1.783	1.590	.1395	.137	.38	.0771
%RSD	118.7	79.94	50.67	6.039	1.106	96.40
#1	-2.683	3.297	-.4295	2.401	35.10	-.0549
#2	-2.373	2.452	-.1576	2.251	34.44	-.0186
#3	.5487	.2192	-.2390	2.128	34.43	-.1665

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4723	131.2	1.201	2765.
Stddev	.6039	.5	.159	24.
%RSD	127.9	.3835	13.27	.8539
#1	.7775	131.0	1.103	2748.
#2	.8626	131.8	1.115	2756.
#3	-.2232	130.9	1.385	2792.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3034.6	38153.	5951.9
Stddev	8.9	211.	22.2
%RSD	.29401	.55342	.37344
#1	3044.7	38380.	5951.2
#2	3031.3	38118.	5930.0
#3	3027.8	37962.	5974.5

Sample Name: sd 460-111599-A-1-A Acquired: 4/12/2016 19:38:06 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.729	1.989	.0110	8.424	-.1216	5229.
Stddev	7.064	1.860	.3275	.077	.0075	7.
%RSD	91.39	93.52	2976.	.9155	6.164	.1317
#1	.6898	4.124	-.2226	8.509	-.1288	5235.
#2	14.82	.7234	-.1297	8.360	-.1222	5231.
#3	7.680	1.119	.3854	8.401	-.1138	5222.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.573	-.1606	27.50	.8020	3.371	535.7
Stddev	.098	.1675	.36	.1085	7.138	25.9
%RSD	6.205	104.3	1.297	13.52	211.7	4.825
#1	1.471	-.0896	27.09	.6775	-4.839	507.5
#2	1.666	-.0403	27.67	.8523	6.850	558.4
#3	1.582	-.3520	27.75	.8762	8.102	541.1

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	774.9	13.03	8133.	.6342	-.9608	-.5172
Stddev	5.8	.18	23.	.4172	1.048	1.461
%RSD	.7465	1.381	.2887	65.78	109.1	282.5
#1	769.8	12.85	8160.	.4030	-2.140	1.149
#2	781.2	13.21	8119.	.3838	-.1342	-1.576
#3	773.9	13.04	8119.	1.116	-.6081	-1.125

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

Sample Name: sd 460-111599-A-1-A Acquired: 4/12/2016 19:38:06 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.209	1.942	-.0704	.7533	6.660	-.2952
Stddev	4.853	1.904	.3195	.1260	.279	.1423
%RSD	401.3	98.03	454.1	16.72	4.192	48.20
#1	-3.447	-.1391	-.0273	.8057	6.622	-.4441
#2	-4.540	3.597	.2255	.6096	6.957	-.2809
#3	4.359	2.369	-.4093	.8447	6.402	-.1606

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8980	25.71	.2992	551.3
Stddev	.2653	.10	.0939	17.0
%RSD	29.54	.3735	31.37	3.086
#1	.8823	25.60	.1909	544.8
#2	.6409	25.79	.3484	538.5
#3	1.171	25.72	.3582	570.6

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	3067.5	38976.	6137.2
Stddev	7.5	70.	36.2
%RSD	.24350	.17906	.58986
#1	3075.1	39031.	6168.5
#2	3067.2	38999.	6145.7
#3	3060.2	38897.	6097.6

Sample Name: CCB Acquired: 4/12/2016 19:46:25 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.286	1.927	.1516	.0453	-.1010	30.33
Stddev	6.754	1.215	.0786	.0879	.1413	4.91
%RSD	295.5	63.08	51.83	194.0	139.9	16.20
#1	-8.993	1.219	.1793	-.0420	.0431	30.65
#2	4.514	1.231	.0629	.1338	-.1068	25.26
#3	-2.378	3.330	.2126	.0441	-.2393	35.07

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2714	-.0448	-.0626	.6218	-5.820	21.08
Stddev	.0811	.1855	.1906	.2907	4.098	18.27
%RSD	29.88	413.8	304.2	46.75	70.41	86.65
#1	.2043	.1147	.0852	.8536	-3.746	22.69
#2	.3615	-.0008	.0046	.2957	-3.174	38.49
#3	.2483	-.2484	-.2777	.7161	-10.54	2.062

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.564	.1122	27.13	.2580	.7293	.4887
Stddev	4.210	.1036	9.60	.1673	1.509	1.849
%RSD	164.2	92.33	35.38	64.85	206.9	378.4
#1	6.850	.2232	34.11	.1160	1.139	-.8828
#2	2.406	.0955	16.19	.2155	1.991	2.592
#3	-1.565	.0180	31.10	.4424	-.9426	-.2427

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

Sample Name: CCB Acquired: 4/12/2016 19:46:25 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.317	.8943	-.3441	-.0110	.7998	.6673
Stddev	1.490	.1608	.0660	.0923	.1704	.3412
%RSD	113.1	17.98	19.18	837.8	21.31	51.14
#1	.4744	1.080	-.3856	.0412	.9691	.9007
#2	.4400	.7987	-.3786	.0433	.8020	.8255
#3	3.037	.8043	-.2680	-.1175	.6283	.2757

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5507	.0243	.4457	2.184
Stddev	.6488	.0511	.2062	9.913
%RSD	117.8	210.2	46.27	453.8
#1	-.0820	.0648	.5629	-.8975
#2	.5196	-.0331	.5666	-5.822
#3	1.214	.0411	.2076	13.27

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	3052.6	38848.	6031.4
Stddev	7.2	48.	74.2
%RSD	.23458	.12478	1.2305
#1	3044.7	38871.	5981.3
#2	3058.7	38881.	5996.1
#3	3054.4	38793.	6116.6

Sample Name: 460-111691-A-1-A Acquired: 4/12/2016 20:02:50 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	69.60	4.939	.6056	91.35	-.0996	33720.
Stddev	10.87	1.904	.4225	.30	.0497	60.
%RSD	15.61	38.54	69.76	.3323	49.89	.1774
#1	80.93	5.039	.2086	91.32	-.0568	33790.
#2	68.58	6.791	1.050	91.66	-.1541	33700.
#3	59.28	2.988	.5586	91.05	-.0878	33670.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1205	-.2584	.2830	4.383	148.4	5597.
Stddev	.0799	.1329	.1146	.094	15.6	51.
%RSD	66.29	51.44	40.48	2.150	10.50	.9125
#1	.0717	-.2339	.1693	4.383	150.1	5579.
#2	.0772	-.1395	.2813	4.289	132.0	5557.
#3	.2127	-.4019	.3985	4.478	163.1	5654.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13410.	17.45	117500.	19.89	-4.385	.8901
Stddev	21.	.13	60.	.22	1.319	.1822
%RSD	.1588	.7450	.0509	1.113	30.08	20.47
#1	13430.	17.39	117500.	19.94	-2.913	.7860
#2	13400.	17.36	117500.	20.09	-4.781	.7838
#3	13390.	17.60	117400.	19.65	-5.460	1.100

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

Sample Name: 460-111691-A-1-A Acquired: 4/12/2016 20:02:50 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5252	3.252	-1414	40.03	23.88	5.740
Stddev	2.606	1.868	.1531	.22	1.00	.130
%RSD	496.3	57.45	108.3	.5449	4.183	2.268
#1	-0.988	1.133	-.0470	40.20	24.61	5.837
#2	1.842	3.959	-.3180	40.12	24.30	5.790
#3	-3.318	4.663	-.0591	39.78	22.75	5.592

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.913	224.7	1.687	3560.
Stddev	.340	.6	.253	25.
%RSD	11.65	.2634	14.98	.7018
#1	3.284	224.8	1.852	3578.
#2	2.840	224.1	1.396	3531.
#3	2.617	225.3	1.812	3569.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3051.3	38549.	6172.2
Stddev	8.7	108.	8.2
%RSD	.28653	.28018	.13354
#1	3058.6	38671.	6171.2
#2	3053.7	38512.	6164.4
#3	3041.6	38464.	6180.8

Sample Name: CCVL Acquired: 4/12/2016 19:50:44 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	227.2	14.01	9.825	199.1	2.025	4943.
Stddev	14.4	.85	.237	.4	.138	12.
%RSD	6.357	6.039	2.416	.2198	6.802	.2513

#1	243.8	14.42	10.01	199.6	1.873	4928.
#2	220.7	14.58	9.557	198.7	2.060	4950.
#3	217.2	13.04	9.914	199.1	2.142	4949.

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	4.144	51.77	9.824	24.73	158.7	4965.
Stddev	.063	.18	.385	.31	8.5	26.
%RSD	1.528	.3519	3.915	1.252	5.376	.5264

#1	4.153	51.65	10.18	24.63	149.1	4973.
#2	4.077	51.98	9.418	24.48	161.4	4936.
#3	4.202	51.68	9.870	25.08	165.5	4987.

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	4648.	15.88	4793.	41.42	8.424	18.74
Stddev	32.	.13	14.	.19	1.159	.88
%RSD	.6900	.7874	.2933	.4581	13.75	4.700

#1	4613.	15.75	4794.	41.44	9.619	19.62
#2	4652.	15.99	4807.	41.60	8.347	17.86
#3	4677.	15.89	4779.	41.22	7.305	18.74

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

Sample Name: CCVL Acquired: 4/12/2016 19:50:44 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.91	23.96	50.39	31.88	46.88	19.29
Stddev	3.26	2.24	.53	.32	.30	.05
%RSD	20.47	9.335	1.057	1.009	.6371	.2686
#1	16.16	21.43	50.29	31.51	46.56	19.24
#2	12.53	24.79	49.92	32.05	46.93	19.29
#3	19.04	25.66	50.97	32.09	47.15	19.34

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	49.43	21.13	21.26	F 14.80
Stddev	1.03	.08	.11	7.81
%RSD	2.085	.3860	.5302	52.77
#1	48.25	21.08	21.31	18.04
#2	50.13	21.22	21.13	20.47
#3	49.91	21.08	21.33	5.891

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	3079.1	39114.	6086.1
Stddev	7.7	91.	29.5
%RSD	.25083	.23205	.48499
#1	3085.8	39041.	6061.5
#2	3080.9	39216.	6118.9
#3	3070.7	39086.	6078.1

Sample Name: 460-111599-A-1-C MS Acquired: 4/12/2016 19:54:58 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2031.	1749.	46.63	1839.	48.54	44230.
Stddev	26.	5.	.51	4.	.15	380.
%RSD	1.267	.2585	1.094	.2363	.3052	.8588
#1	2050.	1754.	46.33	1844.	48.56	44480.
#2	2041.	1745.	46.34	1836.	48.38	44420.
#3	2002.	1749.	47.22	1837.	48.68	43790.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.67	468.9	318.9	225.4	1009.	20100.
Stddev	.15	1.4	.9	1.3	12.	106.
%RSD	.2711	.2904	.2885	.5656	1.161	.5259
#1	53.83	470.4	319.9	225.8	1018.	20090.
#2	53.55	467.9	318.0	224.0	1014.	20210.
#3	53.62	468.4	319.0	226.4	995.9	19990.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21180.	539.9	59130.	462.9	419.1	455.9
Stddev	114.	2.9	302.	.6	.6	1.3
%RSD	.5384	.5336	.5112	.1335	.1329	.2911
#1	21240.	541.8	59250.	463.4	419.4	456.8
#2	21250.	541.2	59350.	462.2	419.5	454.4
#3	21050.	536.6	58790.	463.2	418.5	456.6

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

Sample Name: 460-111599-A-1-C MS Acquired: 4/12/2016 19:54:58 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1806.	1999.	476.6	513.7	480.9	448.1
Stddev	3.	5.	2.8	3.0	1.0	.4
%RSD	.1584	.2734	.5772	.5909	.2158	.0850

#1	1805.	1993.	477.7	516.7	481.6	448.3
#2	1803.	2001.	478.6	513.8	479.7	447.6
#3	1809.	2003.	473.4	510.6	481.4	448.2

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	461.0	598.7	488.9	2758.
Stddev	2.5	3.1	1.4	33.
%RSD	.5345	.5164	.2887	1.194

#1	463.6	600.5	490.2	2735.
#2	460.7	600.6	489.3	2743.
#3	458.7	595.2	487.4	2795.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3049.5	38541.	6021.5
Stddev	12.7	146.	53.4
%RSD	.41551	.37992	.88753

#1	3059.0	38476.	5997.7
#2	3054.3	38439.	5984.1
#3	3035.1	38709.	6082.7

Sample Name: 460-111635-B-1-A Acquired: 4/12/2016 20:10:59 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31.19	2.536	-.1918	9.050	-.0993	4344.
Stddev	2.54	1.539	.2034	.126	.0625	11.
%RSD	8.145	60.68	106.1	1.395	62.93	.2577
#1	29.16	.7636	-.2110	8.917	-.0832	4331.
#2	34.04	3.310	.0206	9.064	-.1682	4348.
#3	30.38	3.533	-.3849	9.168	-.0464	4352.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1085	-.1150	.3241	7.892	74.41	6549.
Stddev	.0466	.1345	.0919	.153	8.01	76.
%RSD	42.94	117.0	28.35	1.939	10.76	1.167
#1	.0725	.0390	.2247	7.715	70.60	6514.
#2	.0918	-.2099	.4059	7.972	69.02	6637.
#3	.1611	-.1741	.3417	7.988	83.61	6497.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	693.6	4.886	59510.	.8887	.0151	.2415
Stddev	.5	.051	339.	.2200	.2556	.4481
%RSD	.0693	1.050	.5698	24.75	1698.	185.6
#1	694.0	4.833	59780.	1.143	.0584	.1218
#2	693.6	4.935	59630.	.7691	-.2595	.7373
#3	693.1	4.891	59130.	.7544	.2462	-.1347

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

Sample Name: 460-111635-B-1-A Acquired: 4/12/2016 20:10:59 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1434	1.592	-.7154	21.95	3.408	.5252
Stddev	.5009	1.109	.0937	.40	.139	.4057
%RSD	349.4	69.69	13.09	1.806	4.077	77.25
#1	.3607	2.699	-.6749	21.49	3.251	.9564
#2	-.6411	1.597	-.6488	22.18	3.461	.4684
#3	-.1497	.4800	-.8226	22.18	3.513	.1509

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.007	14.72	.8032	1447.
Stddev	.522	.09	.0842	1.
%RSD	51.87	.6286	10.48	.0557
#1	.6828	14.65	.7392	1447.
#2	1.610	14.83	.8986	1448.
#3	.7291	14.69	.7717	1446.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3004.3	38149.	5957.9
Stddev	1.4	95.	33.6
%RSD	.04585	.24933	.56408
#1	3003.3	38236.	5982.9
#2	3005.9	38048.	5919.7
#3	3003.9	38165.	5971.2

Sample Name: 460-111595-B-2-A Acquired: 4/12/2016 20:19:31 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1365.	3.852	.6147	32.41	.8120	75870.
Stddev	10.	1.459	.2517	.29	.0126	296.
%RSD	.7436	37.88	40.94	.9047	1.558	.3904

#1	1375.	4.985	.5362	32.33	.8017	75740.
#2	1366.	4.367	.8963	32.16	.8081	75660.
#3	1354.	2.205	.4116	32.73	.8261	76210.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2276	1.102	39.47	2.145	2854.	1818.
Stddev	.1101	.189	.24	.324	10.	33.
%RSD	48.39	17.14	.5968	15.12	.3666	1.791

#1	.1816	1.320	39.32	1.795	2844.	1842.
#2	.1479	.9941	39.35	2.204	2853.	1781.
#3	.3533	.9924	39.74	2.436	2865.	1830.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6526.	9121.	19950.	15.93	F -10.31	-1.447
Stddev	44.	24.	40.	.19	.74	1.703
%RSD	.6673	.2582	.2001	1.193	7.154	117.7

#1	6504.	9095.	19920.	15.91	-9.664	.5195
#2	6498.	9129.	19930.	16.13	-10.15	-2.469
#3	6576.	9140.	20000.	15.75	-11.11	-2.391

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

Sample Name: 460-111595-B-2-A Acquired: 4/12/2016 20:19:31 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.590	5.816	1.633	19.41	32.96	1.840
Stddev	4.041	.951	.272	.30	.27	.198
%RSD	254.1	16.36	16.65	1.553	.8082	10.76
#1	1.273	6.894	1.618	19.70	32.65	1.771
#2	-6.212	5.093	1.912	19.10	33.10	1.686
#3	.1696	5.461	1.369	19.45	33.12	2.063

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8959	225.6	10.57	5429.
Stddev	.5320	.3	.18	57.
%RSD	59.39	.1505	1.701	1.056
#1	1.161	225.7	10.46	5364.
#2	.2834	225.3	10.77	5473.
#3	1.243	226.0	10.46	5451.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3100.7	39499.	6107.6
Stddev	20.8	487.	58.3
%RSD	.67197	1.2320	.95456
#1	3124.8	39983.	6161.1
#2	3089.1	39504.	6116.2
#3	3088.3	39010.	6045.4

Sample Name: 460-111595-B-3-A Acquired: 4/12/2016 20:23:54 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	870.4	9.688	.5300	29.67	.8172	68840.
Stddev	9.9	1.021	.2558	.15	.1157	331.
%RSD	1.137	10.53	48.26	.5114	14.15	.4806

#1	880.0	10.05	.6278	29.49	.7661	69180.
#2	871.0	8.537	.7226	29.76	.9496	68510.
#3	860.2	10.48	.2398	29.75	.7359	68830.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1123	.3715	22.81	2.545	3004.	1667.
Stddev	.0907	.2457	.76	.186	27.	34.
%RSD	80.78	66.14	3.327	7.295	.9134	2.068

#1	.0273	.1474	22.97	2.333	2992.	1651.
#2	.2078	.6342	21.98	2.624	2985.	1644.
#3	.1018	.3328	23.48	2.678	3035.	1707.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5954.	7535.	18240.	11.16	-7.981	-2.133
Stddev	32.	23.	62.	.31	.329	1.130
%RSD	.5444	.2986	.3406	2.772	4.120	52.99

#1	5949.	7556.	18220.	11.06	-8.163	-.8278
#2	5925.	7511.	18190.	10.92	-7.601	-2.774
#3	5989.	7539.	18310.	11.51	-8.177	-2.797

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

Sample Name: 460-111595-B-3-A Acquired: 4/12/2016 20:23:54 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.550	6.937	1.365	13.84	29.60	1.594
Stddev	1.845	1.169	.186	.28	.30	.420
%RSD	119.0	16.86	13.62	2.058	1.011	26.35
#1	-.4932	7.819	1.159	14.15	29.29	1.339
#2	-.4767	7.382	1.520	13.59	29.88	2.079
#3	-3.681	5.611	1.415	13.77	29.64	1.364

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6181	203.4	4.231	4785.
Stddev	.0715	.8	.125	25.
%RSD	11.57	.3834	2.943	.5249
#1	.6795	202.5	4.100	4763.
#2	.6352	203.7	4.244	4778.
#3	.5396	204.0	4.348	4812.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3114.1	39661.	6208.1
Stddev	3.6	198.	39.2
%RSD	.11411	.49950	.63077
#1	3117.5	39590.	6170.1
#2	3114.5	39885.	6248.4
#3	3110.4	39508.	6205.9

Sample Name: 460-111595-B-5-A Acquired: 4/12/2016 20:32:24 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	442.2	5.065	.2730	132.3	-.0464	149500.
Stddev	17.0	1.029	.1947	.3	.0018	426.
%RSD	3.839	20.31	71.34	.2547	3.778	.2851

#1	458.4	4.012	.1594	132.0	-.0446	149700.
#2	443.9	6.068	.1616	132.7	-.0465	149000.
#3	424.5	5.116	.4978	132.4	-.0481	149800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3219	.7422	18.14	2.011	520.4	1330.
Stddev	.0841	.0810	.27	.211	3.8	17.
%RSD	26.12	10.92	1.501	10.52	.7236	1.296

#1	.2372	.6558	17.96	2.194	516.3	1319.
#2	.4053	.7544	18.45	2.059	523.8	1322.
#3	.3230	.8165	18.00	1.780	521.2	1350.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9610.	5998.	13930.	5.073	-8.145	-1.301
Stddev	24.	9.	4.	.177	.658	.420
%RSD	.2525	.1561	.0276	3.496	8.077	32.29

#1	9600.	5998.	13930.	4.911	-8.641	-.9184
#2	9593.	5988.	13940.	5.045	-8.396	-1.234
#3	9638.	6006.	13940.	5.262	-7.399	-1.751

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

Sample Name: 460-111595-B-5-A Acquired: 4/12/2016 20:32:24 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.248	4.986	.6765	14.99	27.19	.1802
Stddev	1.222	1.047	.3337	.15	.20	.0946
%RSD	54.34	21.00	49.33	1.028	.7474	52.47
#1	-3.237	6.192	.5217	14.81	26.98	.2570
#2	-.8826	4.309	.4483	15.06	27.20	.0746
#3	-2.623	4.456	1.059	15.10	27.39	.2090

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2151	528.3	6.657	4973.
Stddev	.7932	1.1	.129	56.
%RSD	368.8	.2174	1.942	1.124
#1	.5445	528.3	6.600	4917.
#2	-.6897	529.5	6.565	4973.
#3	.7905	527.2	6.804	5029.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3020.9	38606.	6020.2
Stddev	17.9	322.	6.1
%RSD	.59344	.83370	.10075
#1	3039.8	38826.	6019.1
#2	3018.8	38755.	6014.8
#3	3004.2	38237.	6026.8

Sample Name: CCB Acquired: 4/12/2016 20:40:34 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {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	1.030	.2199	.0959	-.0431	42.12
Stddev	12.06	2.708	.2772	.1744	.1401	10.20
%RSD	99.51	263.0	126.0	181.8	324.7	24.22
#1	7.021	-1.973	-.0914	.0280	-.1898	33.03
#2	3.446	3.285	.3113	-.0343	-.0289	40.18
#3	25.89	1.777	.4398	.2941	.0893	53.15

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	.2118	-.2245	.1892	1.215	2.480	7.978
Stddev	.0261	.1698	.4630	.900	9.587	16.62
%RSD	12.31	75.65	244.7	74.08	386.6	208.4
#1	.2167	-.1952	-.2910	.6556	-8.569	-6.295
#2	.1837	-.4070	.2257	.7362	7.415	26.23
#3	.2351	-.0712	.6328	2.253	8.593	3.996

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.057	.3395	34.70	.2435	.8923	-.3623
Stddev	10.87	.4329	15.28	.2100	2.031	.1876
%RSD	214.9	127.5	44.03	86.26	227.7	51.77
#1	-.5683	.0607	29.86	.4661	3.037	-.4489
#2	-1.845	.1196	22.43	.2156	-1.002	-.1471
#3	17.58	.8382	51.81	.0488	.6416	-.4908

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

Sample Name: CCB Acquired: 4/12/2016 20:40:34 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.621	2.553	-.3671	.0167	.9466	.6767
Stddev	1.178	1.156	.2328	.2188	.3373	.5727
%RSD	44.95	45.29	63.42	1307.	35.64	84.63
#1	1.799	2.419	-.6359	.0958	1.055	1.338
#2	3.971	3.771	-.2340	.1850	.5685	.3504
#3	2.094	1.470	-.2313	-.2306	1.217	.3417

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0250	.3984	.8423	-2.917
Stddev	.2162	.5900	.7390	6.025
%RSD	863.6	148.1	87.74	206.5
#1	-.1747	.0869	.5595	-9.583
#2	.2547	.0295	.2865	2.140
#3	-.0049	1.079	1.681	-1.308

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	3072.4	38960.	6037.0
Stddev	12.2	88.	45.2
%RSD	.39744	.22601	.74820
#1	3062.9	38871.	6010.4
#2	3068.0	38962.	6089.2
#3	3086.1	39047.	6011.5

Sample Name: CCVL Acquired: 4/12/2016 20:44:54 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	231.5	15.32	10.34	197.8	2.002	5000.
Stddev	17.3	1.83	.19	.2	.073	8.
%RSD	7.496	11.97	1.858	.1035	3.658	.1663

#1	213.9	13.30	10.40	197.6	1.945	5008.
#2	232.0	15.77	10.50	197.8	2.085	4999.
#3	248.5	16.89	10.13	198.0	1.976	4992.

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	4.154	51.63	9.445	24.77	166.2	4992.
Stddev	.045	.27	.342	.24	3.9	24.
%RSD	1.087	.5262	3.623	.9797	2.358	.4901

#1	4.108	51.82	9.694	24.74	167.7	4970.
#2	4.198	51.75	9.055	25.02	169.1	5018.
#3	4.156	51.32	9.586	24.54	161.8	4989.

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	4632.	15.80	4782.	40.81	9.381	19.33
Stddev	21.	.05	29.	.36	.554	.13
%RSD	.4603	.3023	.6054	.8715	5.908	.6599

#1	4657.	15.76	4749.	41.22	9.691	19.40
#2	4621.	15.79	4794.	40.60	8.741	19.41
#3	4618.	15.86	4802.	40.60	9.710	19.18

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

Sample Name: CCVL Acquired: 4/12/2016 20:44:54 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.71	23.13	50.76	32.46	46.15	19.17
Stddev	1.38	1.04	.25	.38	.39	.20
%RSD	9.373	4.514	.4949	1.161	.8414	1.056
#1	13.13	24.20	51.05	32.89	45.99	19.05
#2	15.66	22.12	50.66	32.32	46.60	19.41
#3	15.34	23.07	50.58	32.17	45.88	19.06

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	48.71	21.15	21.35	F 7.992
Stddev	.05	.19	.18	6.721
%RSD	.1099	.8969	.8317	84.09
#1	48.69	21.02	21.51	2.999
#2	48.67	21.37	21.16	5.345
#3	48.77	21.07	21.37	15.63

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	3026.0	38083.	5817.9
Stddev	10.5	79.	47.1
%RSD	.34702	.20659	.81016
#1	3036.5	38174.	5865.1
#2	3026.0	38039.	5770.9
#3	3015.5	38037.	5817.6

Sample Name: 460-111626-B-1-A Acquired: 4/12/2016 20:57:51 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	182.1	4.445	.8280	1209.	.3116	46180.
Stddev	25.2	.635	.2186	5.	.0185	574.
%RSD	13.83	14.29	26.40	.4320	5.932	1.243

#1	211.1	5.071	.9598	1203.	.2941	45590.
#2	165.4	4.463	.9485	1211.	.3309	46210.
#3	169.9	3.801	.5756	1213.	.3097	46740.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1375	.9753	19.24	20.04	14840.	3844.
Stddev	.1021	.1133	1.13	.05	161.	14.
%RSD	74.25	11.62	5.863	.2386	1.088	.3696

#1	.1510	.8485	17.94	20.00	14650.	3835.
#2	.0293	1.011	19.82	20.03	14900.	3860.
#3	.2321	1.067	19.96	20.10	14950.	3836.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4682.	570.9	25030.	15.12	-5.073	-2.257
Stddev	66.	3.2	129.	.14	.555	.887
%RSD	1.409	.5620	.5135	.8988	10.94	39.29

#1	4611.	567.9	24890.	15.07	-5.648	-2.081
#2	4693.	570.5	25060.	15.27	-4.540	-1.472
#3	4741.	574.2	25140.	15.02	-5.031	-3.219

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

Sample Name: 460-111626-B-1-A Acquired: 4/12/2016 20:57:51 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.055	2.443	-1.247	123.7	176.8	1.213
Stddev	.502	.943	.109	.6	1.5	.081
%RSD	47.57	38.59	8.717	.5158	.8427	6.658
#1	-1.014	1.508	-1.306	123.2	175.3	1.283
#2	-1.576	2.429	-1.313	123.4	178.3	1.231
#3	-.5749	3.393	-1.121	124.4	176.9	1.125

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1948	3089.	2.827	4319.
Stddev	.8739	11.	.222	50.
%RSD	448.5	.3588	7.844	1.169
#1	-.6646	3096.	2.601	4364.
#2	1.082	3095.	3.044	4329.
#3	.1665	3076.	2.837	4265.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3048.7	38498.	5971.5
Stddev	28.7	588.	98.5
%RSD	.94030	1.5265	1.6488
#1	3074.0	39092.	6048.1
#2	3054.5	38485.	6006.0
#3	3017.5	37917.	5860.5

Sample Name: 460-111595-B-6-A Acquired: 4/12/2016 20:49:10 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	439.6	3.902	-.0125	20.73	-.0170	F 270600.
Stddev	5.4	1.778	.2462	.17	.0685	1709.
%RSD	1.237	45.56	1966.	.8332	402.4	.6316
#1	434.4	1.851	-.2674	20.82	-.0959	271000.
#2	445.2	5.003	.0059	20.85	.0181	272000.
#3	439.3	4.851	.2239	20.54	.0268	268700.
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	.8027	-.4214	31.53	6.409	1586.	2683.
Stddev	.0481	.0451	.35	.136	6.	17.
%RSD	5.996	10.70	1.112	2.115	.3499	.6377
#1	.7779	-.3758	31.35	6.544	1581.	2663.
#2	.7721	-.4223	31.93	6.410	1592.	2691.
#3	.8582	-.4659	31.30	6.273	1584.	2694.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10200.	7903.	31570.	3.835	F -10.97	-2.362
Stddev	53.	35.	90.	.373	.95	1.284
%RSD	.5158	.4404	.2853	9.726	8.692	54.34
#1	10180.	7914.	31630.	3.805	-11.90	-.9017
#2	10260.	7930.	31600.	4.222	-11.03	-3.312
#3	10160.	7864.	31460.	3.478	-9.993	-2.873
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: 460-111595-B-6-A Acquired: 4/12/2016 20:49:10 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.249	5.802	-.1463	14.74	126.0	.0617
Stddev	1.143	2.713	.0558	.26	.7	.2148
%RSD	26.90	46.75	38.13	1.793	.5405	348.2
#1	-5.167	3.590	-.2062	14.57	125.2	.2951
#2	-2.969	8.829	-.1368	15.05	126.3	-.1279
#3	-4.611	4.988	-.0958	14.61	126.5	.0179

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8983	467.9	.6006	6279.
Stddev	.5701	1.0	.0884	54.
%RSD	63.46	.2228	14.72	.8579
#1	1.524	468.3	.6625	6329.
#2	.4089	468.7	.6399	6287.
#3	.7617	466.7	.4993	6222.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3001.2	38506.	6129.5
Stddev	8.8	211.	24.3
%RSD	.29446	.54834	.39572
#1	3011.2	38648.	6135.1
#2	2997.8	38263.	6103.0
#3	2994.5	38605.	6150.5

Sample Name: 460-111626-B-3-A Acquired: 4/12/2016 21:06:22 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	216.6	3.476	.2689	480.4	-.1393	75370.
Stddev	8.4	.284	.6768	2.1	.1191	86.
%RSD	3.891	8.160	251.7	.4388	85.50	.1145
#1	207.1	3.794	-.4161	478.0	-.0128	75290.
#2	223.3	3.250	.9371	481.4	-.2493	75360.
#3	219.2	3.385	.2855	481.9	-.1558	75460.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1664	.6251	4.256	1.582	320.6	3116.
Stddev	.0265	.1347	.062	.204	6.6	23.
%RSD	15.92	21.55	1.449	12.90	2.073	.7496
#1	.1421	.4913	4.321	1.420	312.9	3092.
#2	.1625	.7606	4.247	1.514	324.6	3138.
#3	.1946	.6235	4.199	1.811	324.3	3119.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10020.	581.2	35470.	5.272	-5.787	-.4134
Stddev	4.	.9	178.	.163	.659	1.244
%RSD	.0381	.1545	.5026	3.095	11.39	301.0
#1	10020.	580.6	35360.	5.378	-5.961	-.6635
#2	10010.	580.8	35380.	5.354	-6.342	.9371
#3	10020.	582.2	35680.	5.084	-5.059	-1.514

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

Sample Name: 460-111626-B-3-A Acquired: 4/12/2016 21:06:22 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.603	2.229	.2541	3.799	105.3	.6129
Stddev	1.474	2.032	.3810	.108	1.1	.0415
%RSD	40.91	91.17	150.0	2.833	1.075	6.779
#1	-4.617	3.462	-.0316	3.764	104.4	.6274
#2	-1.912	-.1166	.1070	3.920	106.6	.5661
#3	-4.282	3.342	.6867	3.713	105.1	.6453

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0982	2731.	2.237	3996.
Stddev	.2381	14.	.146	20.
%RSD	242.5	.5113	6.539	.5098
#1	-.0308	2717.	2.069	3977.
#2	-.3627	2731.	2.339	4018.
#3	.0990	2744.	2.301	3992.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3012.8	38283.	6061.0
Stddev	25.8	291.	89.4
%RSD	.85741	.75971	1.4749
#1	3041.1	38605.	6155.5
#2	3007.0	38204.	6049.7
#3	2990.4	38040.	5977.8

Sample Name: 460-111626-B-4-A Acquired: 4/12/2016 21:10:37 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	255.3	4.276	-.0456	75.31	.0015	49340.
Stddev	6.2	1.390	.2537	.12	.0438	143.
%RSD	2.447	32.52	556.6	.1630	3002.	.2898
#1	248.5	2.671	-.2530	75.36	.0006	49500.
#2	260.7	5.045	.2373	75.17	-.0419	49270.
#3	256.6	5.112	-.1210	75.40	.0456	49240.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1930	-.1889	643.9	.7917	176.8	1258.
Stddev	.1001	.1365	3.2	.0322	9.7	29.
%RSD	51.89	72.24	.4899	4.066	5.462	2.321
#1	.2609	-.0350	647.4	.7603	186.4	1249.
#2	.0780	-.2364	642.8	.7902	167.1	1234.
#3	.2400	-.2953	641.4	.8246	176.9	1291.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5836.	54.14	14740.	2.029	-3.559	-2.205
Stddev	31.	.26	109.	.173	1.497	1.401
%RSD	.5288	.4741	.7385	8.517	42.07	63.56
#1	5869.	54.43	14760.	2.116	-1.955	-2.624
#2	5829.	53.94	14620.	2.141	-3.803	-.6416
#3	5809.	54.04	14840.	1.830	-4.919	-3.348

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

Sample Name: 460-111626-B-4-A Acquired: 4/12/2016 21:10:37 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.393	3.652	-2.073	3.791	23.33	-5866
Stddev	3.529	1.295	.3709	.190	.57	.0694
%RSD	147.5	35.47	178.9	5.018	2.452	11.84
#1	-.0514	2.989	-.6338	3.753	22.67	-.6411
#2	-.6756	5.145	-.0278	3.623	23.71	-.5084
#3	-6.452	2.823	.0397	3.998	23.61	-.6104

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5854	236.8	2.883	3738.
Stddev	.4975	1.6	.105	22.
%RSD	84.98	.6862	3.648	.5829
#1	1.117	237.2	2.762	3725.
#2	.1312	235.0	2.942	3763.
#3	.5079	238.2	2.946	3725.

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

Int. Std.	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	38240.	6027.8
Stddev	4.7	150.	73.1
%RSD	.15748	.39151	1.2128
#1	3015.8	38381.	6027.7
#2	3008.9	38256.	6101.0
#3	3017.9	38083.	5954.8

Sample Name: 460-111626-B-5-A46 Acquired: 4/12/2016 21:14:53 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3288.	4.830	-3832	191.5	.4304	24580.
Stddev	6.	2.107	.1664	.6	.1201	70.
%RSD	.1808	43.62	43.43	.2899	27.90	.2861
#1	3281.	3.272	-.5749	191.0	.2970	24540.
#2	3291.	7.227	-.2752	192.1	.5298	24540.
#3	3291.	3.990	-.2996	191.5	.4644	24660.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.094	3.348	245.9	10.90	1890.	1971.
Stddev	.094	.144	1.3	.35	10.	42.
%RSD	8.612	4.303	.5326	3.251	.5414	2.110
#1	1.201	3.397	244.4	10.98	1898.	2000.
#2	1.023	3.462	246.2	10.52	1879.	1923.
#3	1.057	3.186	247.0	11.21	1895.	1989.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2915.	469.6	7929.	5.200	1.743	-.6639
Stddev	20.	.8	7.	.268	.616	.7619
%RSD	.6818	.1726	.0903	5.156	35.32	114.8
#1	2893.	469.5	7934.	5.439	1.032	-1.399
#2	2927.	468.9	7931.	4.910	2.104	.1225
#3	2927.	470.5	7920.	5.250	2.094	-.7153

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

Sample Name: 460-111626-B-5-A46 Acquired: 4/12/2016 21:14:53 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.310	2.551	2.082	21.23	13.87	-.4487
Stddev	1.488	1.087	.077	.03	.45	.1177
%RSD	64.43	42.62	3.721	.1275	3.243	26.23
#1	-.9669	1.521	2.007	21.23	13.86	-.3235
#2	-2.053	2.444	2.162	21.26	13.43	-.5572
#3	-3.910	3.688	2.076	21.21	14.33	-.4652

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4064	100.3	3.578	4876.
Stddev	.9598	.0	.215	22.
%RSD	236.2	.0379	6.010	.4481
#1	-.2170	100.3	3.351	4854.
#2	1.512	100.3	3.604	4876.
#3	-.0754	100.4	3.778	4898.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3133.8	39509.	6161.2
Stddev	6.9	150.	12.7
%RSD	.22118	.37930	.20683
#1	3141.8	39618.	6146.5
#2	3130.7	39571.	6169.0
#3	3129.0	39338.	6168.1

Sample Name: 460-111626-B-6-A Acquired: 4/12/2016 21:19:07 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	102.7	3.498	.4279	46.59	-.0078	49520.
Stddev	25.3	1.701	.7589	.42	.0337	117.
%RSD	24.65	48.63	177.4	.8923	432.6	.2366
#1	73.51	5.391	.6188	46.48	.0279	49620.
#2	116.7	2.098	-.4082	46.24	-.0391	49390.
#3	118.0	3.004	1.073	47.04	-.0123	49540.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5017	-.3256	528.6	.8038	-1.684	1235.
Stddev	.0868	.2742	1.7	.1727	6.327	12.
%RSD	17.31	84.22	.3299	21.48	375.8	.9563
#1	.4108	-.1315	529.5	.6442	-3.895	1248.
#2	.5837	-.2060	526.5	.9871	5.452	1234.
#3	.5105	-.6393	529.6	.7801	-6.608	1224.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5181.	154.0	17450.	4.065	-5.170	-2.687
Stddev	11.	.6	42.	.555	1.819	1.339
%RSD	.2110	.3643	.2431	13.66	35.17	49.82
#1	5187.	154.6	17500.	3.505	-4.548	-4.174
#2	5169.	153.6	17420.	4.074	-7.218	-2.307
#3	5188.	153.7	17430.	4.615	-3.744	-1.579

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

Sample Name: 460-111626-B-6-A Acquired: 4/12/2016 21:19:07 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .9679	3.627	- .4994	11.13	24.36	- .3721
Stddev	1.973	1.114	.0566	.16	.16	.1802
%RSD	203.8	30.70	11.33	1.431	.6423	48.44
#1	- .2381	4.803	- .4900	11.00	24.46	- .2448
#2	.5361	2.589	- .4480	11.09	24.18	- .2931
#3	- 3.201	3.488	- .5601	11.31	24.43	- .5783

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3107	169.1	1.390	3479.
Stddev	.7741	.5	.117	28.
%RSD	249.1	.2888	8.389	.8109
#1	- .5298	169.4	1.453	3472.
#2	.9942	169.5	1.461	3454.
#3	.4678	168.6	1.255	3510.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3053.0	38753.	6076.9
Stddev	6.7	121.	19.7
%RSD	.21858	.31311	.32486
#1	3057.2	38824.	6066.1
#2	3056.4	38822.	6065.0
#3	3045.3	38613.	6099.7

Sample Name: 460-111626-B-8-A Acquired: 4/12/2016 21:27:40 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	620.8	17.62	.0189	81.02	-.0926	21700.
Stddev	7.3	2.11	.2893	.44	.0298	69.
%RSD	1.181	12.00	1529.	.5486	32.14	.3191
#1	625.8	15.62	.2412	81.46	-.1028	21780.
#2	612.4	19.83	.1237	81.04	-.1159	21680.
#3	624.2	17.43	-.3082	80.57	-.0591	21650.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3217	.8190	61.27	4.660	132.9	F 137200.
Stddev	.0913	.1557	.64	.271	9.0	328.
%RSD	28.39	19.01	1.037	5.806	6.780	.2387
#1	.4272	.7533	61.90	4.888	143.0	137100.
#2	.2695	.7070	60.63	4.361	125.6	137600.
#3	.2685	.9968	61.27	4.733	130.0	137000.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1757.	84.20	83510.	7.135	F -14.09	1.607
Stddev	5.	.37	192.	.294	.85	.736
%RSD	.2876	.4425	.2297	4.123	6.065	45.78
#1	1759.	84.33	83500.	6.976	-13.73	2.051
#2	1751.	83.78	83700.	7.474	-13.46	.7578
#3	1761.	84.49	83320.	6.954	-15.06	2.013

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

Sample Name: 460-111626-B-8-A Acquired: 4/12/2016 21:27:40 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3897	2.414	17.67	35.03	41.76	10.87
Stddev	4.142	.115	.13	.28	.39	.05
%RSD	1063.	4.771	.7326	.7874	.9333	.4320
#1	-1.379	2.326	17.60	34.72	42.11	10.86
#2	-3.947	2.370	17.59	35.10	41.83	10.82
#3	4.157	2.544	17.82	35.25	41.34	10.92

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.117	1245.	2.331	9495.
Stddev	.330	2.	.138	80.
%RSD	29.56	.1761	5.904	.8391
#1	1.365	1242.	2.477	9524.
#2	.7423	1246.	2.313	9405.
#3	1.244	1247.	2.204	9557.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3016.7	38332.	6057.8
Stddev	5.8	80.	59.2
%RSD	.19268	.20858	.97764
#1	3016.0	38424.	6080.2
#2	3011.3	38285.	5990.6
#3	3022.8	38285.	6102.6

Sample Name: CCV Acquired: 4/12/2016 21:31:56 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	131600.	2326.	1235.	9563.	1013.	119200.
Stddev	825.	7.	2.	20.	2.	161.
%RSD	.6270	.2919	.1730	.2075	.2445	.1353

#1	131000.	2319.	1237.	9551.	1013.	119100.
#2	131300.	2333.	1233.	9552.	1011.	119000.
#3	132500.	2327.	1235.	9586.	1016.	119300.

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.	2449.	4615.	12140.	101300.	49860.
Stddev	2.	2.	15.	17.	309.	190.
%RSD	.1668	.0958	.3168	.1402	.3049	.3801

#1	1207.	2446.	4631.	12160.	101100.	49800.
#2	1209.	2450.	4602.	12130.	101000.	49700.
#3	1211.	2450.	4611.	12130.	101600.	50070.

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	115000.	4908.	120300.	2366.	6911.	966.2
Stddev	198.	9.	356.	3.	11.	3.2
%RSD	.1717	.1762	.2961	.1419	.1649	.3315

#1	115300.	4908.	120300.	2364.	6899.	964.0
#2	114900.	4900.	120000.	2363.	6912.	964.7
#3	115000.	4917.	120700.	2370.	6922.	969.9

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

Sample Name: CCV Acquired: 4/12/2016 21:31:56 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2313.	2491.	2451.	2513.	920.9	2400.
Stddev	7.	13.	6.	5.	2.0	4.
%RSD	.3087	.5149	.2554	.2172	.2194	.1873
#1	2305.	2476.	2447.	2507.	919.4	2397.
#2	2315.	2498.	2449.	2516.	920.2	2398.
#3	2319.	2498.	2458.	2517.	923.2	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	951.1	5104.	10210.	9504.
Stddev	1.8	22.	38.	51.
%RSD	.1869	.4338	.3746	.5401
#1	951.0	5094.	10170.	9497.
#2	949.4	5089.	10240.	9558.
#3	952.9	5130.	10230.	9456.

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	2929.9	37851.	6100.2
Stddev	6.2	60.	52.3
%RSD	.21266	.15830	.85722
#1	2936.2	37793.	6142.8
#2	2923.7	37912.	6116.1
#3	2929.7	37847.	6041.8

Sample Name: CCB Acquired: 4/12/2016 21:36:00 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.318	2.784	.1999	.0551	-.0678	31.08
Stddev	5.876	.934	.3171	.1159	.0374	2.83
%RSD	445.7	33.54	158.6	210.2	55.15	9.119
#1	-5.015	3.850	.0857	.1289	-.0498	28.02
#2	2.377	2.111	.5582	.1148	-.1107	33.62
#3	6.593	2.390	-.0443	-.0784	-.0428	31.59

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1645	-.1283	-.2232	.5529	.2590	31.48
Stddev	.0929	.1241	.5332	.2288	10.95	18.53
%RSD	56.48	96.67	238.8	41.38	4227.	58.86
#1	.2528	.0128	-.6994	.3133	3.420	19.14
#2	.0676	-.1775	-.3231	.5762	9.280	52.79
#3	.1731	-.2203	.3528	.7691	-11.92	22.51

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.808	.0323	28.84	.5464	.7414	1.957
Stddev	1.274	.0194	11.11	.2213	1.593	1.699
%RSD	33.45	59.92	38.54	40.51	214.9	86.80
#1	4.710	.0101	38.56	.8005	-1.098	3.328
#2	2.351	.0413	31.22	.4426	1.662	2.488
#3	4.362	.0455	16.72	.3960	1.660	.0563

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

Sample Name: CCB Acquired: 4/12/2016 21:36:00 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.087	-.4032	.0698	.0035	.8150	.6502
Stddev	1.139	2.020	.2077	.2724	.1475	.3882
%RSD	104.8	501.1	297.4	7845.	18.10	59.70
#1	-.1717	1.390	.2958	.3176	.9556	1.003
#2	1.386	-2.592	.0262	-.1397	.8281	.7133
#3	2.047	-.0076	-.1126	-.1675	.6614	.2343

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.9035	.0599	.3629	4.423
Stddev	.5261	.0181	.1580	3.872
%RSD	58.24	30.17	43.54	87.55
#1	.4027	.0655	.5421	8.564
#2	.8560	.0744	.3027	.8931
#3	1.452	.0396	.2438	3.811

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	3086.4	39367.	6071.8
Stddev	9.5	155.	35.5
%RSD	.30836	.39368	.58520
#1	3090.0	39498.	6059.0
#2	3093.5	39196.	6112.0
#3	3075.6	39407.	6044.5

Sample Name: 460-111626-B-9-A Acquired: 4/12/2016 21:44:36 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	130.5	4.738	-.3203	235.8	-.2073	78600.
Stddev	7.3	1.122	.3926	.5	.0670	255.
%RSD	5.567	23.67	122.6	.2026	32.32	.3243
#1	130.5	6.029	.0979	236.2	-.2713	78790.
#2	123.3	4.183	-.3777	235.2	-.1377	78690.
#3	137.8	4.002	-.6810	235.8	-.2128	78310.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2265	-.1791	-.2143	.9179	79.79	2962.
Stddev	.2060	.0735	.4820	.0630	3.19	26.
%RSD	90.95	41.02	224.9	6.868	3.994	.8664
#1	.3136	-.1073	-.5507	.9907	81.52	2949.
#2	.3748	-.2542	-.4301	.8826	76.11	2946.
#3	-.0087	-.1759	.3379	.8804	81.74	2992.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10850.	784.5	18280.	.2556	-7.446	-2.167
Stddev	43.	2.9	76.	.5366	.131	1.503
%RSD	.3987	.3719	.4170	209.9	1.754	69.38
#1	10890.	786.8	18360.	.0779	-7.318	-1.544
#2	10850.	785.5	18270.	.8586	-7.442	-1.075
#3	10800.	781.2	18210.	-.1695	-7.579	-3.882

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

Sample Name: 460-111626-B-9-A Acquired: 4/12/2016 21:44:36 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.277	2.194	-.2140	2.837	49.12	-.2171
Stddev	2.816	1.881	.0773	.230	.56	.1633
%RSD	123.7	85.72	36.14	8.099	1.140	75.22
#1	-1.639	2.755	-.2854	3.094	49.77	-.1961
#2	-5.358	.0966	-.2247	2.652	48.80	-.3899
#3	.1645	3.731	-.1319	2.765	48.79	-.0653

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3430	2529.	1.651	4854.
Stddev	1.043	2.	.111	27.
%RSD	304.2	.0859	6.744	.5576
#1	-.1303	2530.	1.749	4831.
#2	-.3800	2526.	1.530	4884.
#3	1.539	2529.	1.674	4848.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3096.6	39071.	6113.9
Stddev	12.7	234.	53.9
%RSD	.41159	.59836	.88195
#1	3111.3	39340.	6170.4
#2	3089.5	38921.	6108.6
#3	3089.0	38951.	6062.9

Sample Name: 460-111626-B-10-A Acquired: 4/12/2016 21:48:54 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	231.6	11.42	.9703	62.74	-.0672	84720.
Stddev	9.0	.51	.1784	.05	.0494	221.
%RSD	3.896	4.466	18.38	.0858	73.59	.2605
#1	223.3	11.98	.9153	62.68	-.0432	84970.
#2	241.2	11.29	.8259	62.79	-.1240	84540.
#3	230.1	10.98	1.170	62.76	-.0343	84660.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3828	.6104	819.2	3.919	167.8	1830.
Stddev	.0493	.1597	2.8	.365	16.8	10.
%RSD	12.87	26.16	.3357	9.321	10.02	.5601
#1	.3475	.5741	818.8	3.599	174.6	1824.
#2	.4391	.4720	816.8	3.841	180.1	1825.
#3	.3619	.7851	822.2	4.317	148.7	1842.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6741.	38.35	17950.	7.932	7.690	-3.125
Stddev	7.	.07	23.	.676	.721	1.331
%RSD	.1019	.1722	.1298	8.523	9.373	42.58
#1	6738.	38.27	17940.	8.625	8.521	-1.601
#2	6737.	38.38	17930.	7.275	7.234	-4.057
#3	6749.	38.39	17980.	7.894	7.315	-3.717

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

Sample Name: 460-111626-B-10-A Acquired: 4/12/2016 21:48:54 Type: Unk
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.528	2.827	-.2431	26.40	29.47	1.356
Stddev	1.811	1.518	.2097	.04	.28	.108
%RSD	51.32	53.72	86.28	.1535	.9341	7.947
#1	-1.719	2.993	-.0171	26.44	29.76	1.232
#2	-3.526	4.255	-.2806	26.36	29.22	1.417
#3	-5.340	1.232	-.4316	26.39	29.45	1.420

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5423	373.6	2.568	4251.
Stddev	.1808	.6	.127	24.
%RSD	33.34	.1525	4.953	.5557
#1	.3341	374.2	2.482	4224.
#2	.6602	373.7	2.507	4262.
#3	.6325	373.0	2.714	4266.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3088.8	39545.	6137.8
Stddev	15.0	81.	16.6
%RSD	.48493	.20534	.27048
#1	3102.0	39619.	6149.5
#2	3092.0	39458.	6145.0
#3	3072.5	39557.	6118.8

Sample Name: CCV Acquired: 4/12/2016 21:53:11 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	134300.	2296.	1261.	9494.	1032.	120800.
Stddev	310.	3.	2.	22.	3.	383.
%RSD	.2308	.1294	.1672	.2354	.3234	.3167

#1	134000.	2293.	1264.	9518.	1029.	121100.
#2	134300.	2296.	1261.	9491.	1033.	121000.
#3	134600.	2299.	1260.	9474.	1035.	120400.

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.	2453.	4654.	12140.	104500.	50530.
Stddev	2.	2.	10.	2.	120.	133.
%RSD	.1309	.0984	.2154	.0182	.1150	.2621

#1	1208.	2456.	4661.	12150.	104700.	50380.
#2	1206.	2451.	4659.	12140.	104400.	50630.
#3	1205.	2453.	4642.	12140.	104400.	50590.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	115600.	4968.	119700.	2353.	6824.	969.2
Stddev	314.	14.	77.	4.	26.	3.4
%RSD	.2714	.2868	.0646	.1543	.3762	.3507

#1	115700.	4979.	119700.	2357.	6852.	965.5
#2	115800.	4974.	119800.	2352.	6817.	970.2
#3	115200.	4952.	119700.	2350.	6802.	972.1

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

Sample Name: CCV Acquired: 4/12/2016 21:53:11 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2276.	2494.	2472.	2558.	907.1	2386.
Stddev	9.	10.	4.	7.	2.3	1.
%RSD	.3920	.3925	.1472	.2799	.2545	.0220

#1	2270.	2490.	2475.	2565.	904.5	2386.
#2	2286.	2505.	2472.	2556.	908.4	2387.
#3	2272.	2487.	2468.	2551.	908.5	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	948.0	5128.	10360.	9324.
Stddev	3.5	19.	63.	66.
%RSD	.3670	.3608	.6126	.7107

#1	950.8	5107.	10410.	9252.
#2	949.2	5134.	10370.	9336.
#3	944.1	5142.	10290.	9383.

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	2912.5	37103.	5849.6
Stddev	18.8	284.	68.4
%RSD	.64394	.76556	1.1689

#1	2893.8	36857.	5777.7
#2	2912.5	37038.	5857.4
#3	2931.3	37414.	5913.8

Sample Name: CCB Acquired: 4/12/2016 21:57:16 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6654	1.455	.4178	.0208	-.0980	51.48
Stddev	8.176	.892	.5124	.0081	.1312	.96
%RSD	1229.	61.33	122.6	38.79	133.9	1.855

#1	-.8897	2.257	.8998	.0299	-.1053	50.50
#2	-6.621	.4936	.4740	.0147	.0367	51.52
#3	9.507	1.614	-.1203	.0178	-.2255	52.41

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2917	-.1415	.0526	1.211	2.338	39.57
Stddev	.0321	.1472	.4290	.154	13.26	13.11
%RSD	11.02	104.0	815.2	12.70	567.4	33.12

#1	.3288	-.0422	.2666	1.374	16.39	52.42
#2	.2713	-.3106	-.4413	1.192	.5786	40.09
#3	.2751	-.0718	.3325	1.068	-9.959	26.22

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.442	.0432	28.93	.3906	.3056	-.2663
Stddev	3.828	.0484	1.23	.2200	.5477	2.163
%RSD	265.5	112.1	4.268	56.33	179.2	812.1

#1	1.342	.0626	30.06	.3399	.8259	2.036
#2	5.318	.0790	29.12	.2004	-.2658	-.5795
#3	-2.335	-.0119	27.61	.6316	.3566	-2.256

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

Sample Name: CCB Acquired: 4/12/2016 21:57:16 Type: QC
Method: sw04052016(v4) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

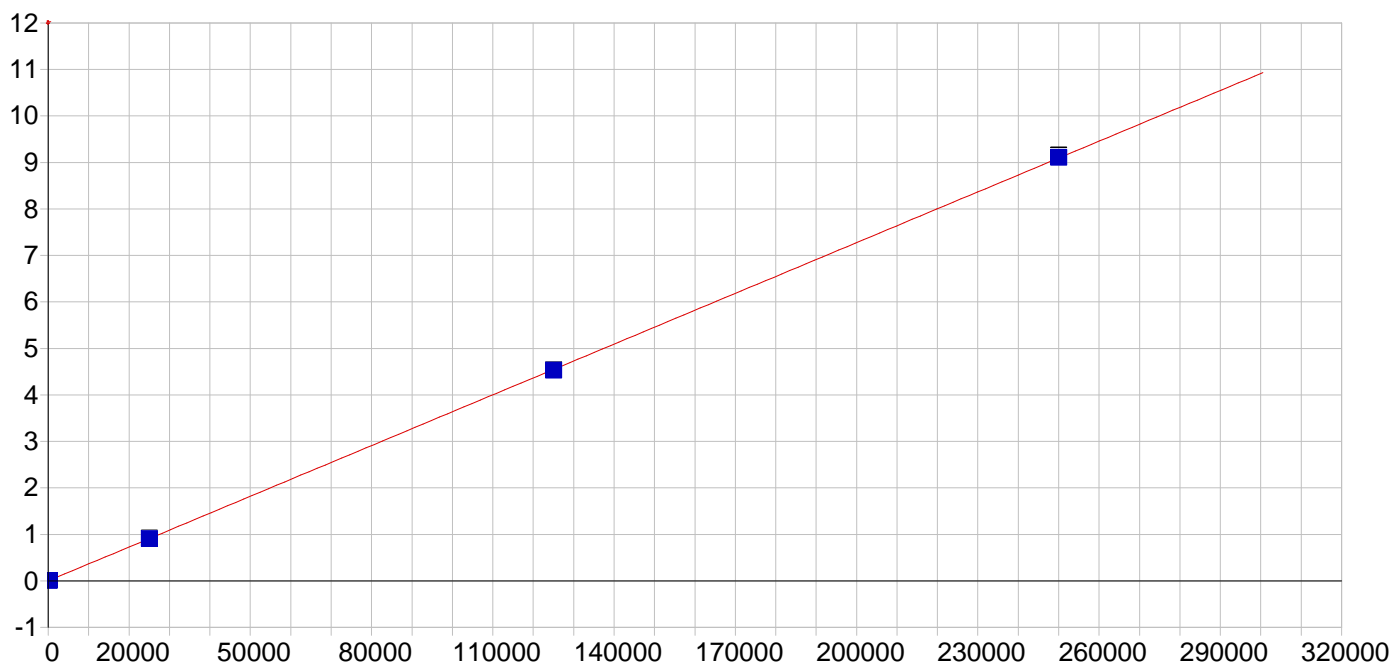
Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1623	.6676	-.5086	.0298	.8803	.4226
Stddev	.3345	.9945	.2206	.1852	.4258	.5389
%RSD	206.1	149.0	43.37	621.9	48.36	127.5
#1	-.0272	1.768	-.7331	.2385	1.365	1.002
#2	-.0344	-.1657	-.5004	-.0345	.5677	.3304
#3	.5485	.4001	-.2922	-.1147	.7081	-.0643

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4589	.0069	.3091	13.57
Stddev	.8147	.0819	.0391	5.73
%RSD	177.5	1186.	12.65	42.21
#1	1.398	.0906	.3369	10.72
#2	.0360	-.0731	.2643	9.816
#3	-.0574	.0032	.3260	20.16

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	3112.7	39503.	6014.7
Stddev	3.4	49.	42.0
%RSD	.10790	.12521	.69814
#1	3115.4	39477.	6055.1
#2	3109.0	39560.	6017.8
#3	3113.8	39472.	5971.3

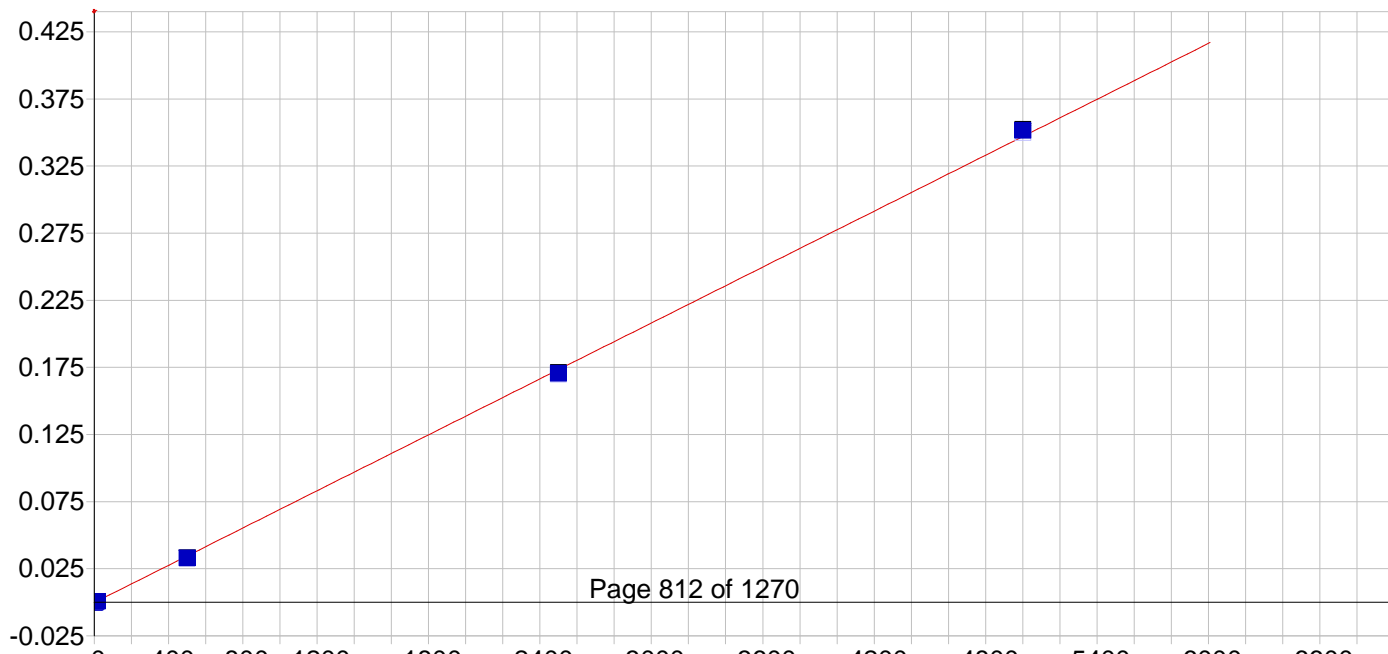


AI 396.152 { 85}

Date of Fit: 4/13/2016 11:58:26 Type of Fit: Linear Weighting: 1/Conc

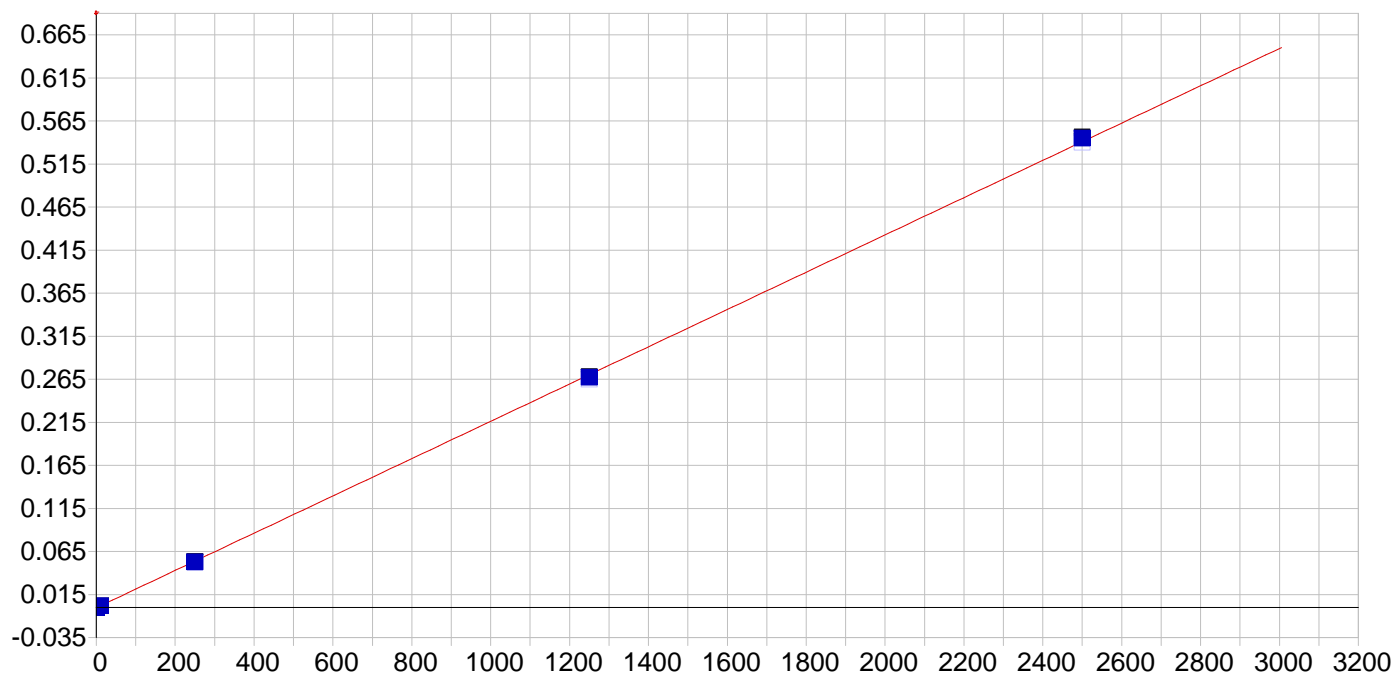
A0 (Offset): 0.000095 Re-Slope: 1.000000
 A1 (Gain): 0.000036 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999997 Status: OK.
 Std Error of Est: 0.000032
 Predicted MDL: 14.104615
 Predicted MQL: 47.015382

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00488	-.005	.000	.00009	.000	1
CAL2	200.00	205.42	5.42	2.71	.00759	.000	1
CAL3	25000.	24971.	-29.3	-.117	.90912	.003	1
CAL4	125000.	124590.	-413.	-.330	4.5355	.007	1
CAL5	250000.	250440.	437.	.175	9.1168	.037	1



Std Error of Est: 0.000011
 Predicted MDL: 2.282502
 Predicted MQL: 7.608340

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00249		.002	.000	-.00019	.000	1
CAL2	15.000		13.290		-1.71	-11.4	.00073	.000	1
CAL3	500.00		477.96		-22.0	-4.41	.03284	.000	1
CAL4	2500.0		2460.1		-39.9	-1.60	.16983	.000	1
CAL5	5000.0		5065.3		65.3	1.31	.34993	.001	1
CAL1	5.0000		3.3143		-1.69	-33.7	.00004	.000	1

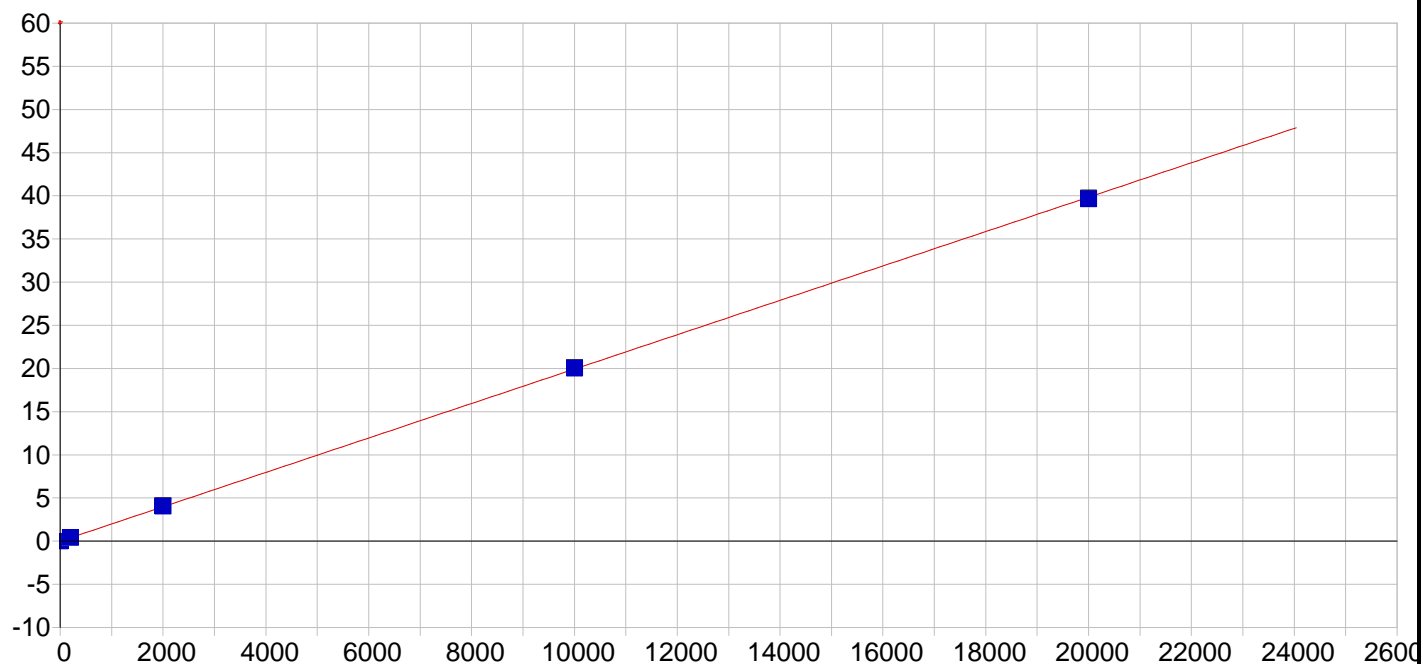


Ag 328.068 {103}

Date of Fit: 4/13/2016 11:58:26 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000385 Re-Slope: 1.000000
 A1 (Gain): 0.000217 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999950 Status: OK.
 Std Error of Est: 0.000017
 Predicted MDL: 0.569613
 Predicted MQL: 1.898710

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00015		.000	.000	-.00038	.000	1
CAL2	10.000		10.079		.079	.791	.00178	.000	1
CAL3	250.00		245.16		-4.84	-1.94	.05223	.000	1
CAL4	1250.0		1236.0		-14.0	-1.12	.26492	.000	1
CAL5	2500.0		2518.7		18.7	.749	.54032	.001	1

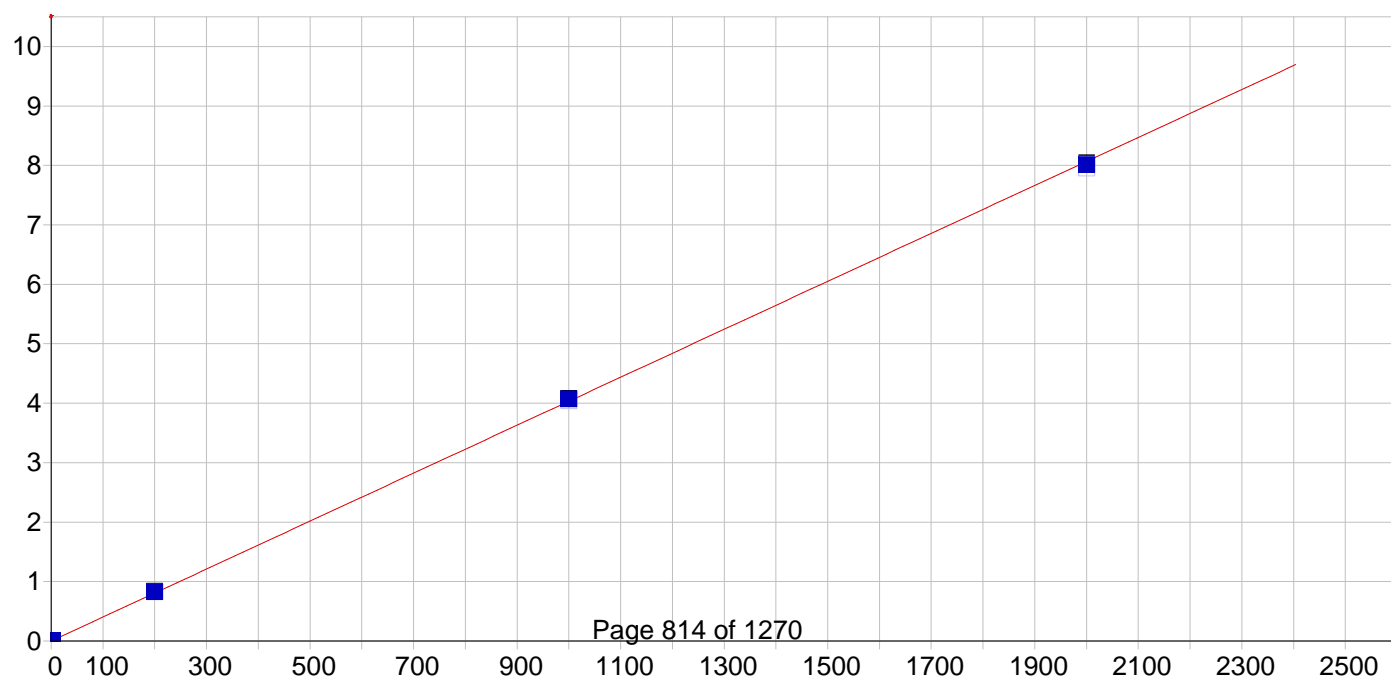


Ba 233.527 {445}

Date of Fit: 4/13/2016 11:58:26 Type of Fit: Linear Weighting: 1/Conc

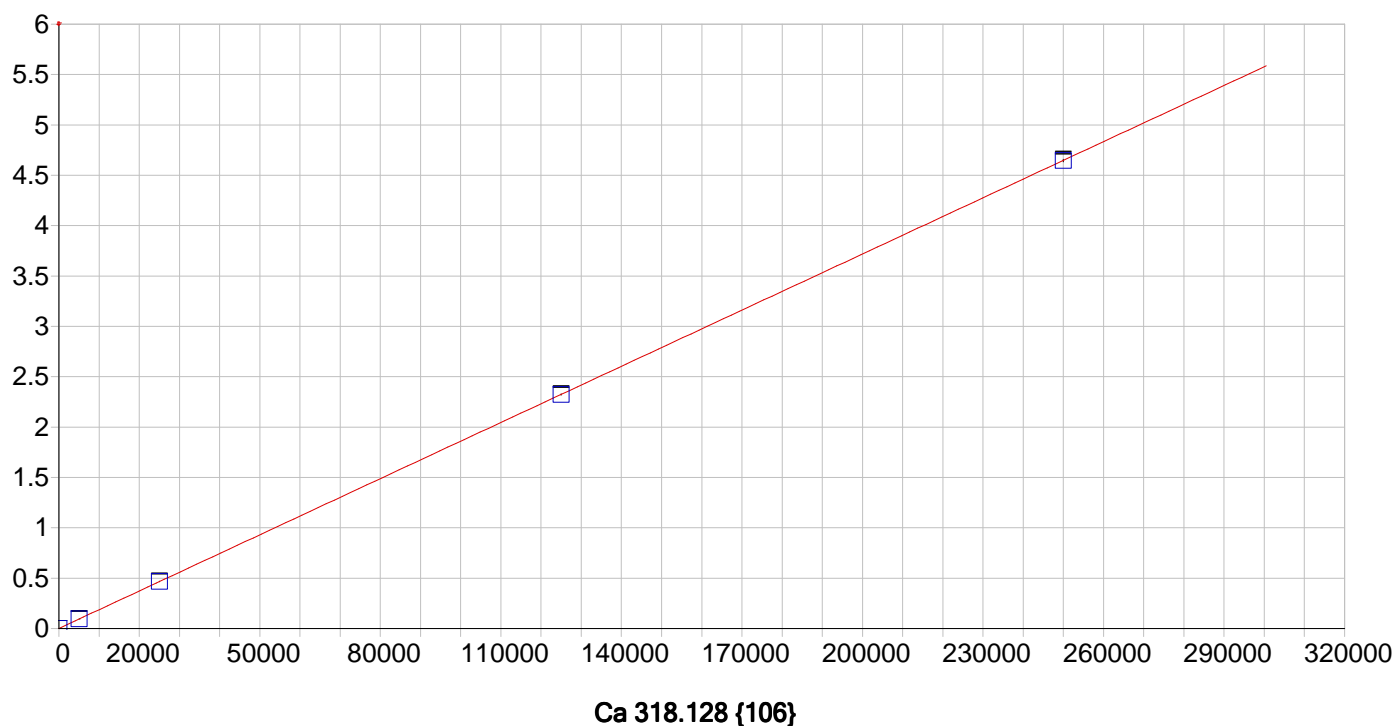
A0 (Offset):	-0.000162	Re-Slope: 1.000000
A1 (Gain):	0.001992	Y-int: 0.000000
A2 (Curvature):	0.000000	
n (Exponent):	1.000000	
Correlation:	0.999975	Status: OK.
Std Error of Est:	0.001463	
Predicted MDL:	0.142503	
Predicted MQL:	0.475010	

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00975		-.010	.000	-.00018	.000	1
CAL2	200.00		206.17		6.17	3.08	.41045	.002	1
CAL3	2000.0		2033.8		33.8	1.69	4.0478	.004	1
CAL4	10000.		10060.		59.8	.598	20.022	.037	1
CAL5	20000.		19900.		-99.8	-.499	39.607	.071	1



Predicted MDL: 0.107728
Predicted MQL: 0.359093

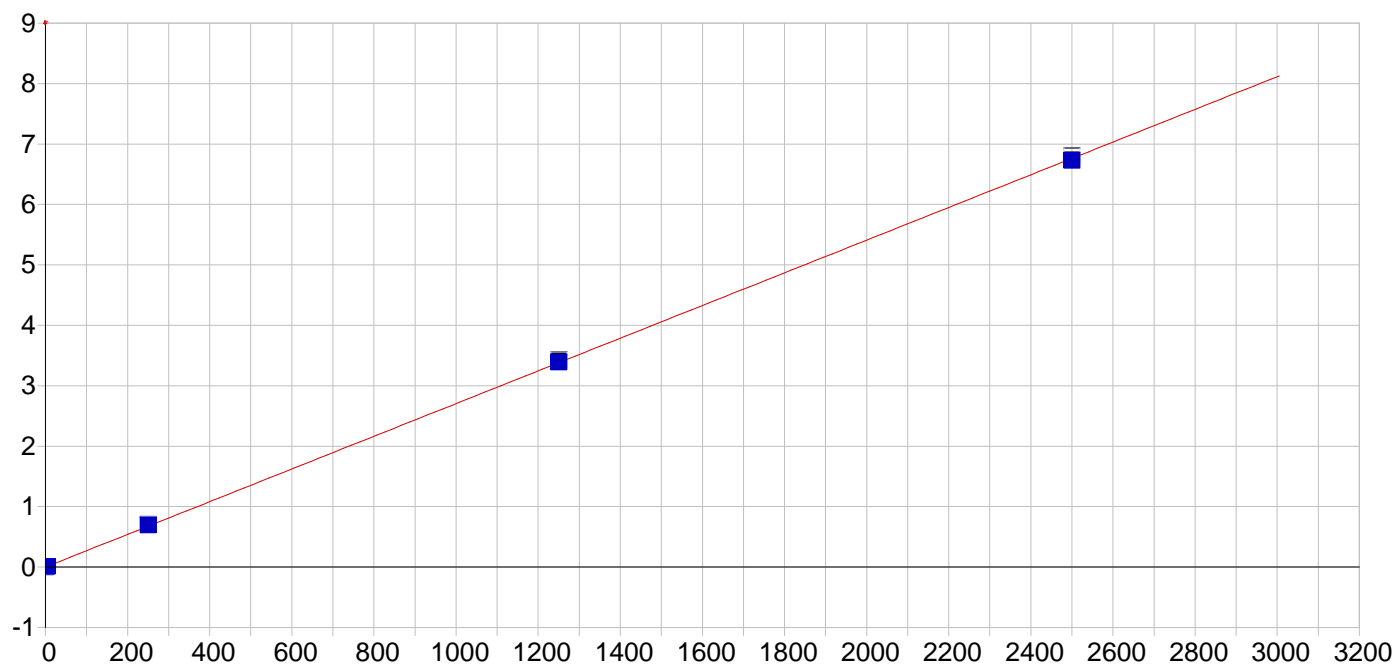
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00007	-.000	.000	.00035	.000	1
CAL2	2.0000	2.0179	.018	.893	.00843	.000	1
CAL3	200.00	205.07	5.07	2.54	.82151	.005	1
CAL4	1000.0	1009.0	8.97	.897	4.0400	.006	1
CAL5	2000.0	1985.9	-14.1	-.703	7.9506	.028	1



Date of Fit: 4/13/2016 11:58:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001054 Re-Slope: 1.000000
A1 (Gain): 0.000019 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999997 Status: OK.
Std Error of Est: 0.000090
Predicted MDL: 6.221151
Predicted MQL: 20.737171

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.12148	-.121	.000	.00105	.000	1
CAL2	5000.0	5110.6	111.	2.21	.09605	.000	1
CAL3	25000.	25082.	81.6	.326	.46726	.002	1
CAL4	125000.	124920.	-77.6	-.062	2.3230	.006	1
CAL5	250000.	249890.	-115.	-.046	4.6458	.014	1

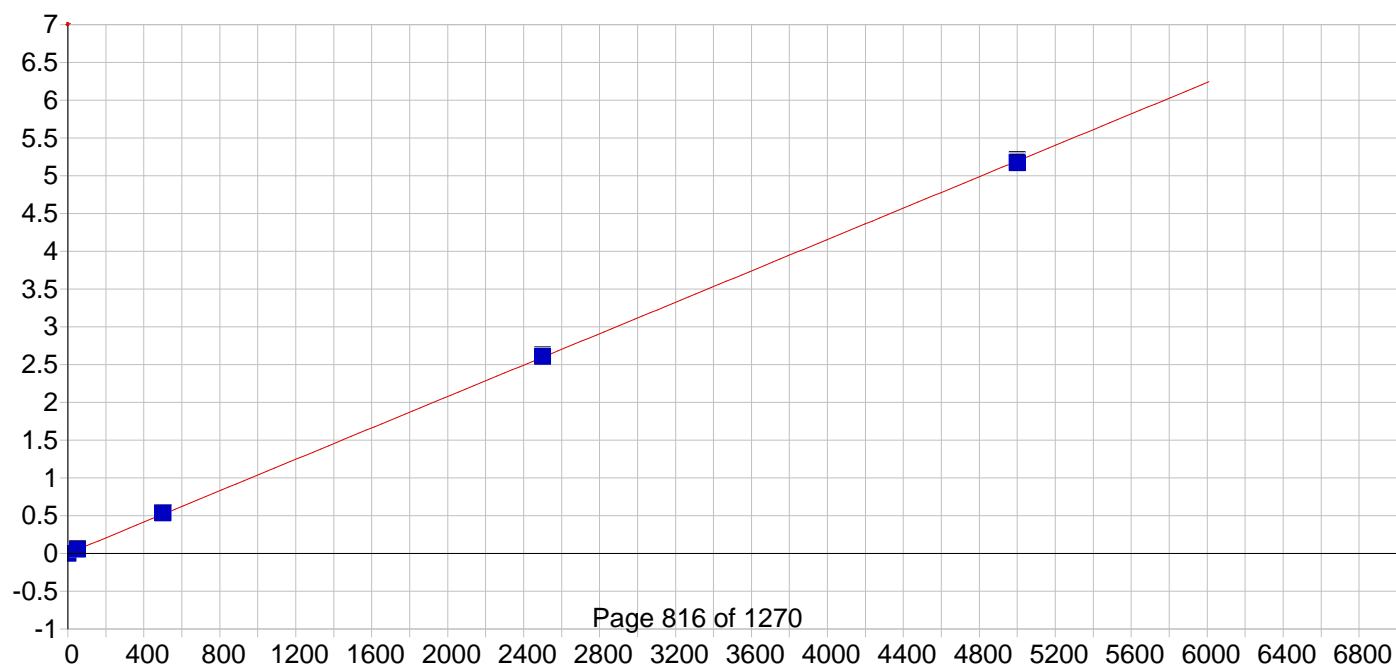


Cd 226.502 {449}

Date of Fit: 4/13/2016 11:58:27 Type of Fit: Linear Weighting: 1/Conc

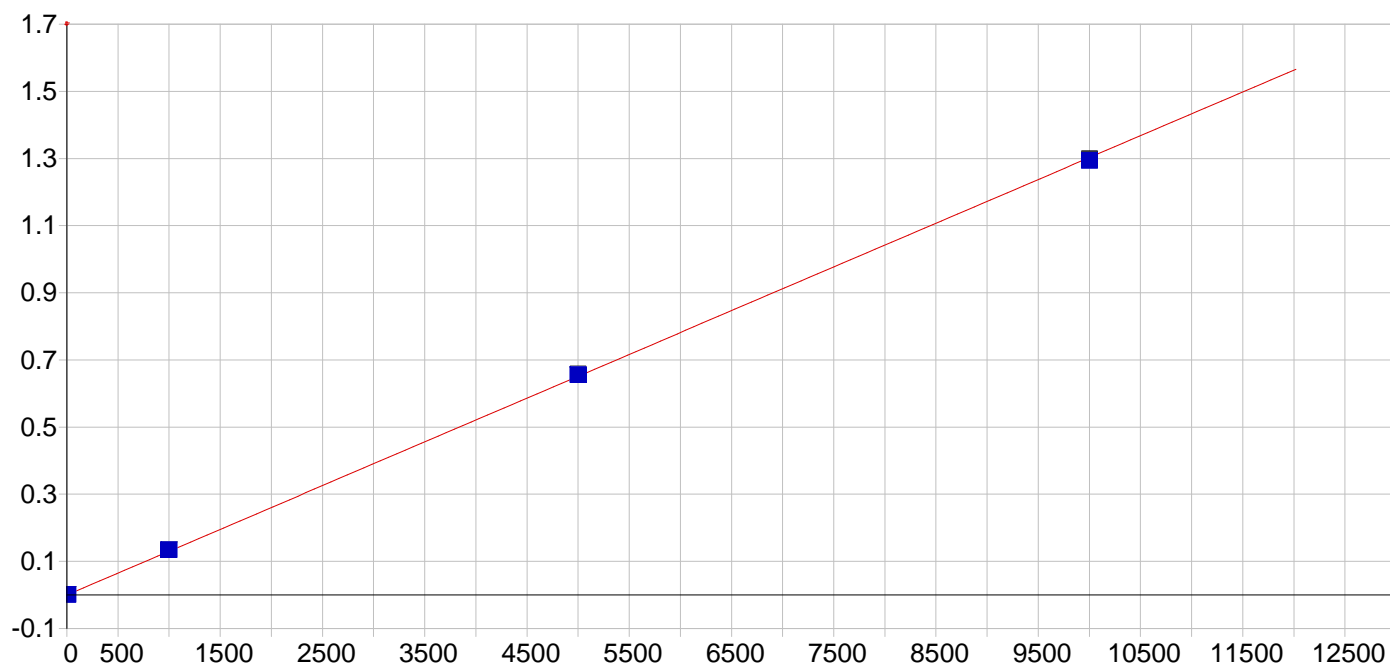
A0 (Offset): 0.000058 Re-Slope: 1.000000
 A1 (Gain): 0.002705 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999963 Status: OK.
 Std Error of Est: 0.000122
 Predicted MDL: 0.126149
 Predicted MQL: 0.420498

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00006		-.000	.000	.00006	.000	1
CAL2	4.0000		3.9427		-.057	-1.43	.01078	.000	1
CAL3	250.00		257.58		7.58	3.03	.70413	.002	1
CAL4	1250.0		1254.5		4.52	.362	3.4302	.004	1
CAL5	2500.0		2488.0		-12.0	-.482	6.8033	.006	1



Predicted MDL: 0.277184
Predicted MQL: 0.923947

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00394		-.004	.000	-.00068	.000	1
CAL2	50.000		52.594		2.59	5.19	.05399	.000	1
CAL3	500.00		514.38		14.4	2.88	.53733	.001	1
CAL4	2500.0		2508.2		8.23	.329	2.6232	.006	1
CAL5	5000.0		4974.8		-25.2	-.504	5.2038	.007	1

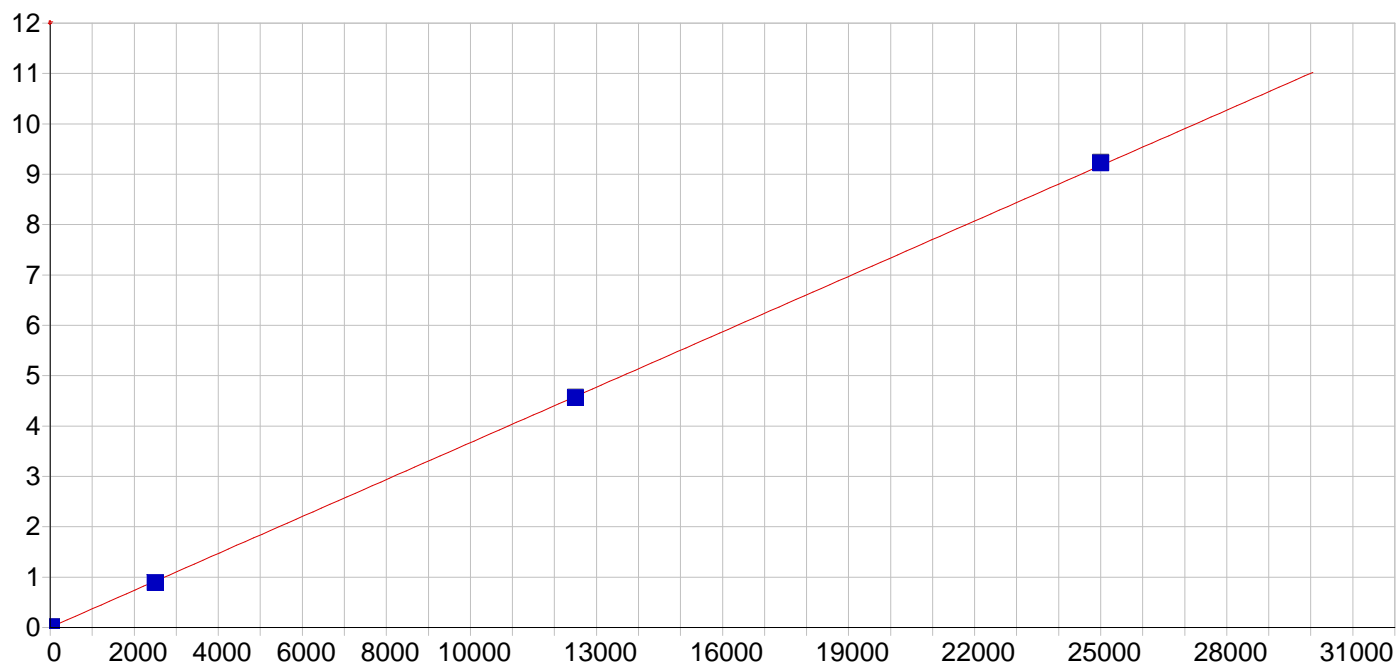


Cr 267.716 {126}

Date of Fit: 4/13/2016 11:58:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000002 Re-Slope: 1.000000
A1 (Gain): 0.000130 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999950 Status: OK.
Std Error of Est: 0.000021
Predicted MDL: 0.594400
Predicted MQL: 1.981334

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00040		-.000	.000	.00000	.000	1
CAL2	10.000		10.082		.082	.817	.00132	.000	1
CAL3	1000.0		1031.3		31.3	3.13	.13436	.000	1
CAL4	5000.0		5032.7		32.7	.653	.65565	.001	1
CAL5	10000.		9935.9		-64.1	-.641	1.2944	.003	1

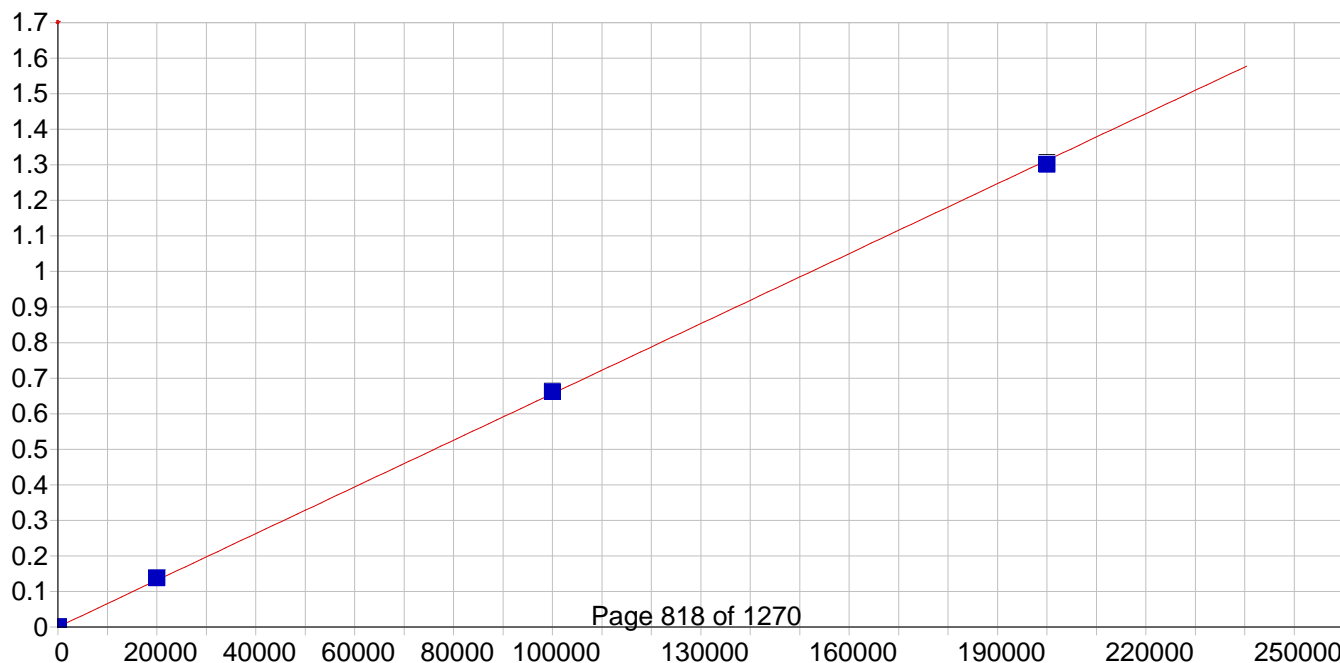


Cu 324.754 {104}

Date of Fit: 4/13/2016 11:58:27 Type of Fit: Linear Weighting: 1/Conc

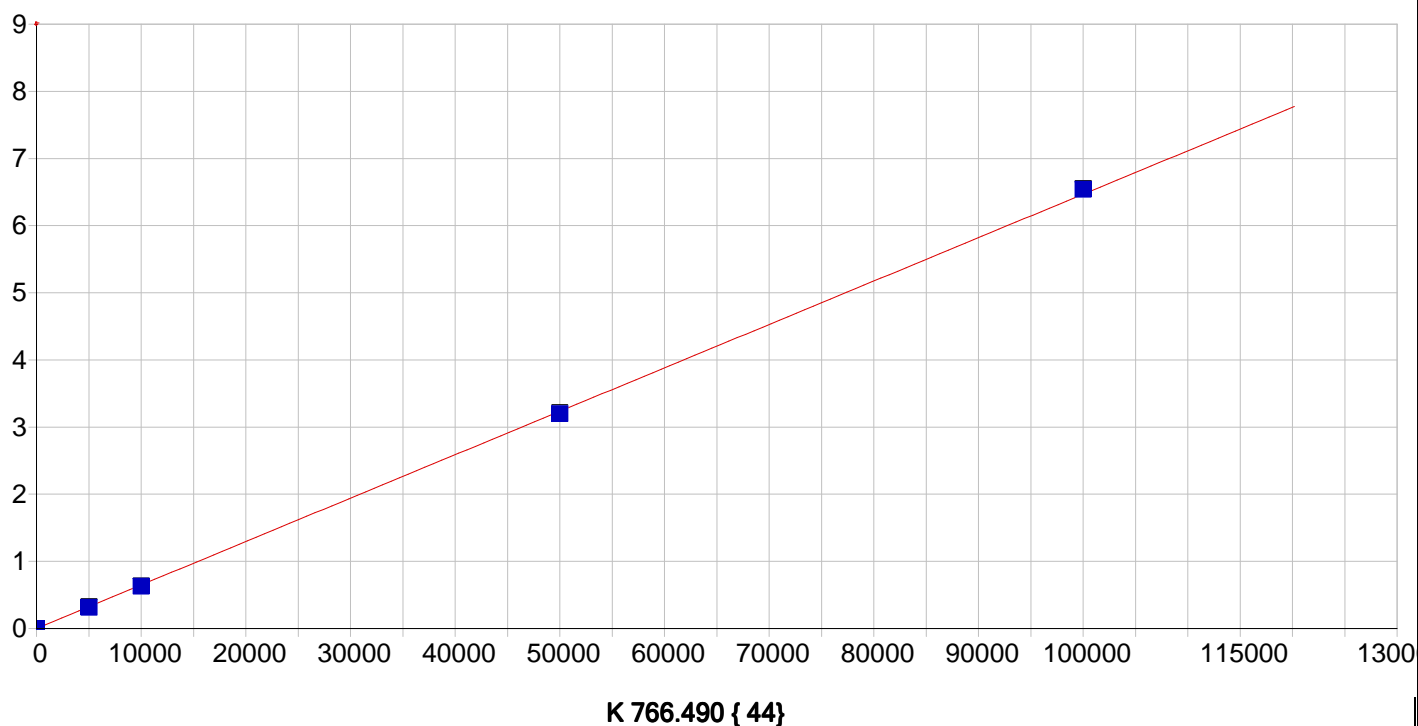
A0 (Offset): 0.003712 Re-Slope: 1.000000
 A1 (Gain): 0.000367 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999952 Status: OK.
 Std Error of Est: 0.000146
 Predicted MDL: 0.315228
 Predicted MQL: 1.050759

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00130		.001	.000	.00371	.000	1
CAL2	25.000		24.494		-.506	-2.02	.01268	.000	1
CAL3	2500.0		2419.0		-81.0	-3.24	.89029	.000	1
CAL4	12500.		12435.		-64.9	-.519	4.5614	.004	1
CAL5	25000.		25146.		146.	.586	9.2204	.011	1



Predicted MDL: 11.478085
Predicted MQL: 38.260284

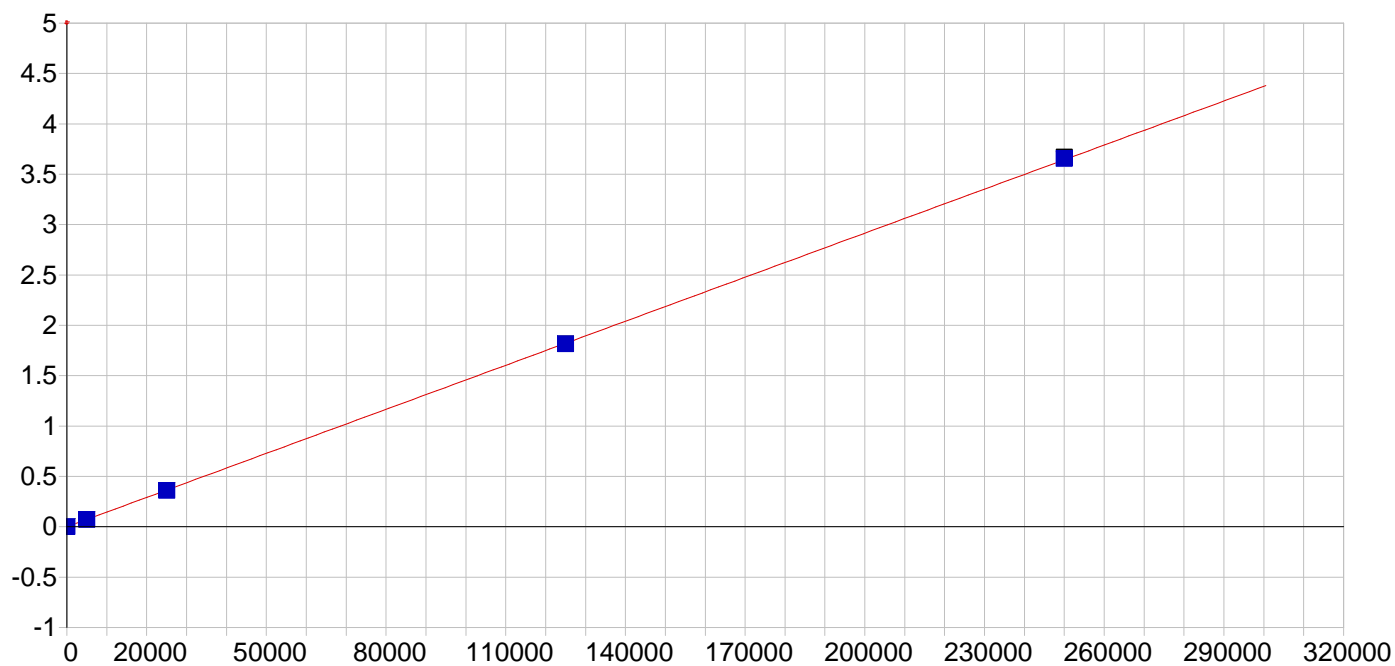
Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.01857		-.019	.000	.00017	.000	1
CAL2	150.00		161.28		11.3	7.52	.00126	.000	1
CAL3	20000.		20997.		997.	4.99	.13828	.000	1
CAL4	100000.		100760.		765.	.765	.66300	.000	1
CAL5	200000.		198230.		-1770.	-.887	1.3042	.002	1



Date of Fit: 4/13/2016 11:58:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002402 Re-Slope: 1.000000
A1 (Gain): 0.000065 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999890 Status: OK.
Std Error of Est: 0.001125
Predicted MDL: 34.501708
Predicted MQL: 115.005693

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.34514		.345	.000	.00242	.002	1
CAL2	5000.0		4828.6		-171.	-3.43	.31457	.003	1
CAL3	10000.		9660.2		-340.	-3.40	.62719	.004	1
CAL4	50000.		49413.		-587.	-1.17	3.1982	.012	1
CAL5	100000.		101100.		1100.	1.10	6.5410	.008	1

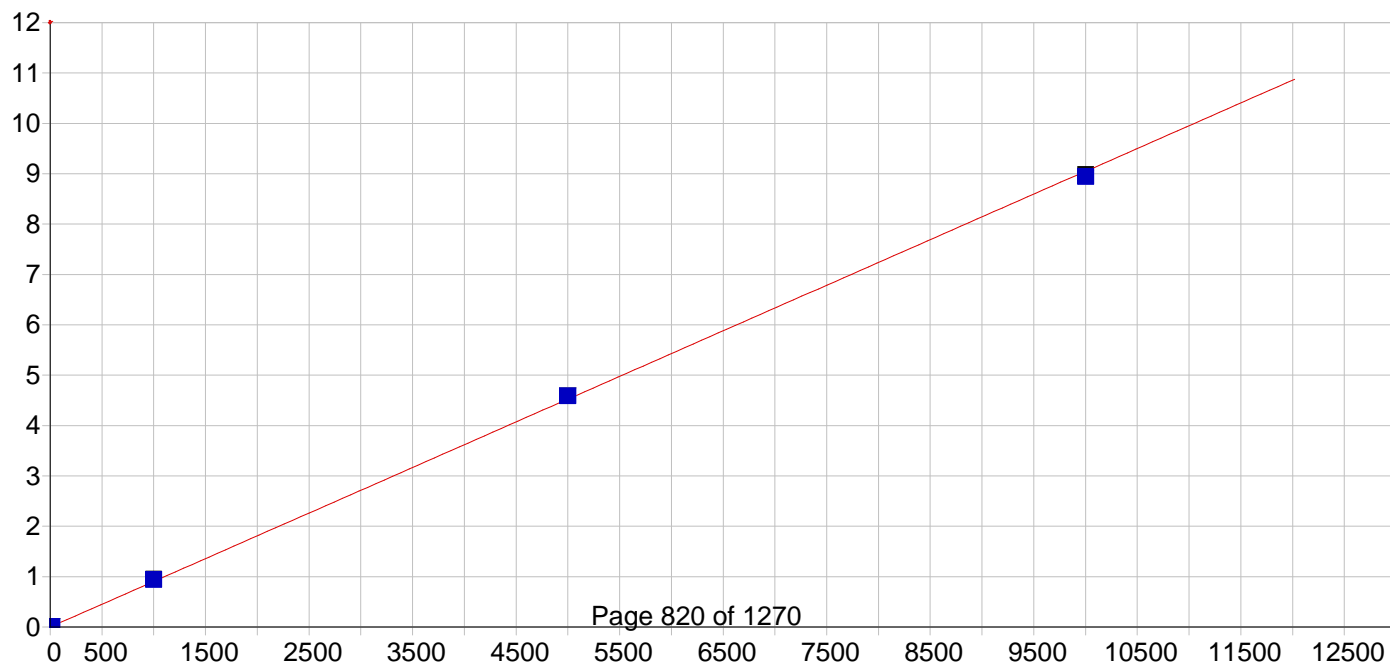


Mg 279.079 {121}

Date of Fit: 4/13/2016 11:58:27 Type of Fit: Linear Weighting: 1/Conc

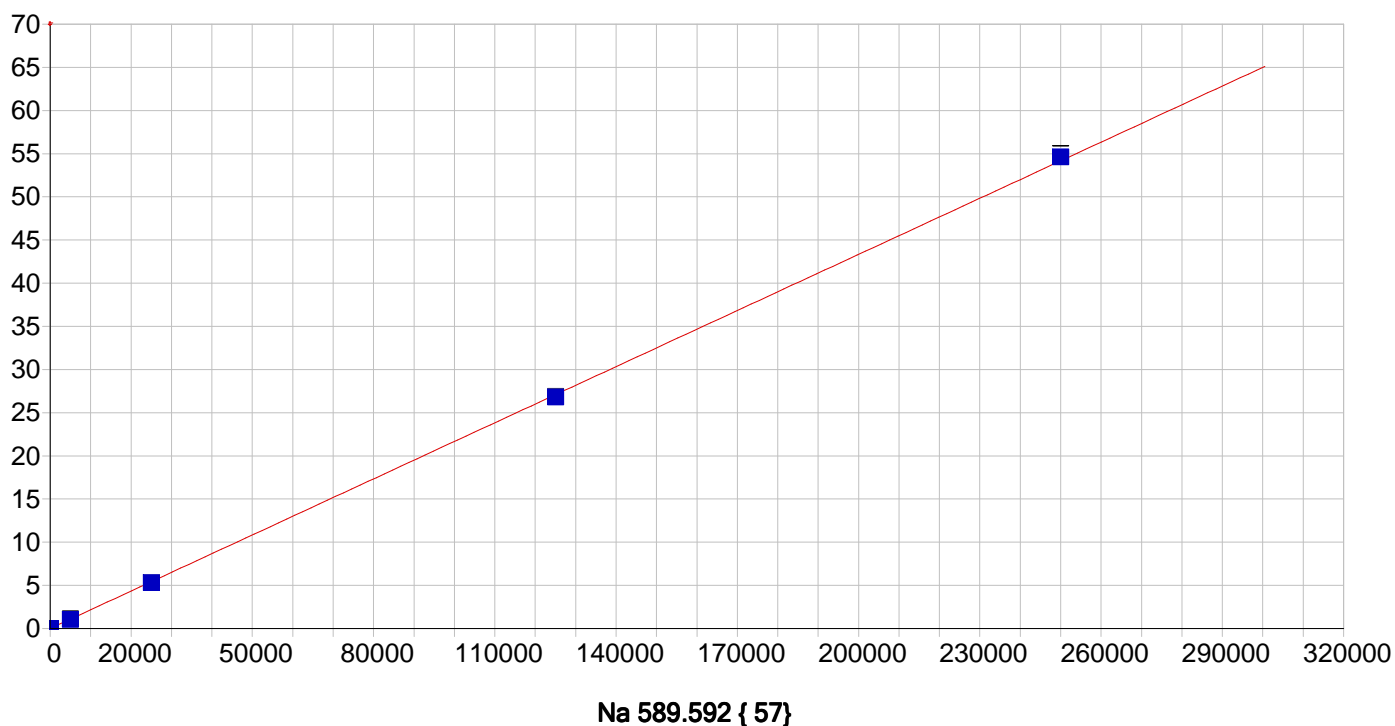
A0 (Offset): 0.000030 Re-Slope: 1.000000
 A1 (Gain): 0.000015 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999987 Status: OK.
 Std Error of Est: 0.000138
 Predicted MDL: 5.709603
 Predicted MQL: 19.032009

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.14630		.146	.000	.00003	.000	1
CAL2	5000.0		4927.6		-72.4	-1.45	.07186	.000	1
CAL3	25000.		24625.		-375.	-1.50	.35874	.001	1
CAL4	125000.		124610.		-389.	-.311	1.8153	.002	1
CAL5	250000.		250840.		837.	.335	3.6540	.011	1



Predicted MDL: 0.078230
Predicted MQL: 0.260767

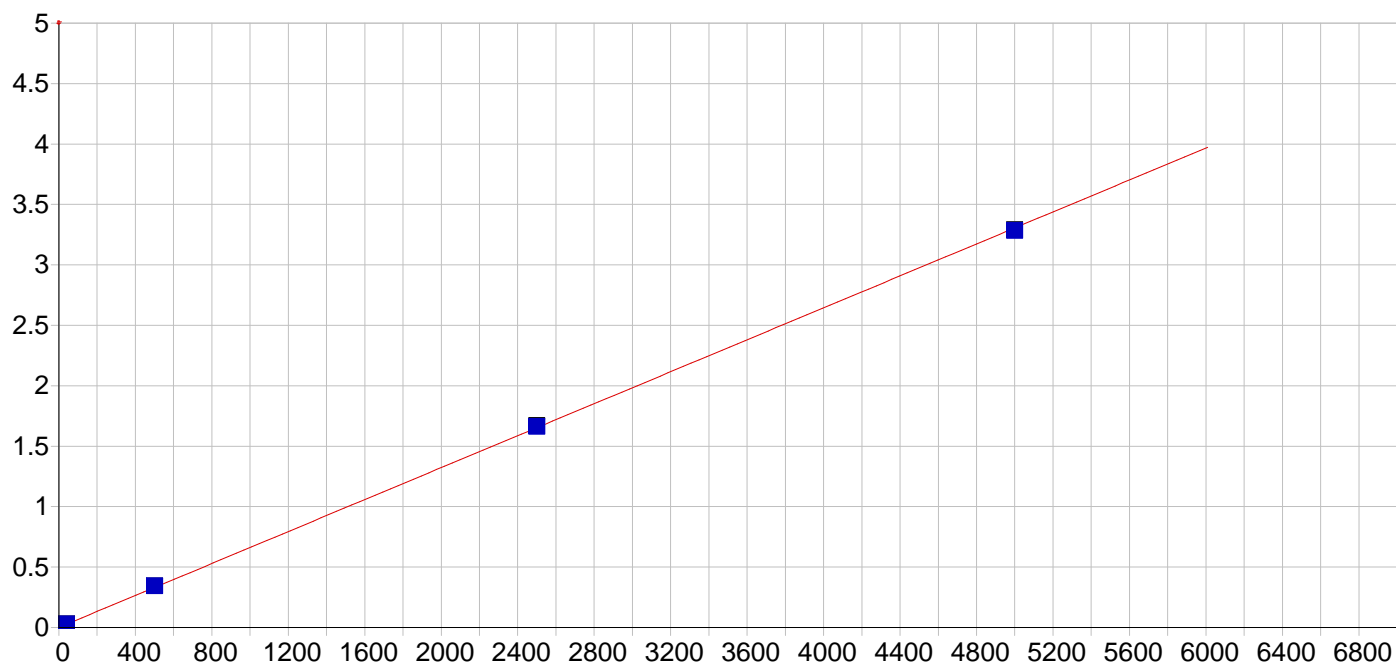
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00162	-.002	.000	.00024	.000	1
CAL2	15.000	15.970	.970	6.47	.01469	.000	1
CAL3	1000.0	1040.0	40.0	4.00	.94093	.003	1
CAL4	5000.0	5073.7	73.7	1.47	4.5892	.005	1
CAL5	10000.	9885.4	-115.	-1.15	8.9412	.033	1



Date of Fit: 4/13/2016 11:58:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002739 Re-Slope: 1.000000
A1 (Gain): 0.000217 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999938 Status: OK.
Std Error of Est: 0.004441
Predicted MDL: 8.788778
Predicted MQL: 29.295925

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.27319	.273	.000	.00280	.002	1
CAL2	5000.0	4862.6	-137.	-2.75	1.0563	.002	1
CAL3	25000.	24377.	-623.	-2.49	5.2861	.005	1
CAL4	125000.	123680.	-1320.	-1.05	26.809	.053	1
CAL5	250000.	252080.	2080.	.831	54.637	.373	1

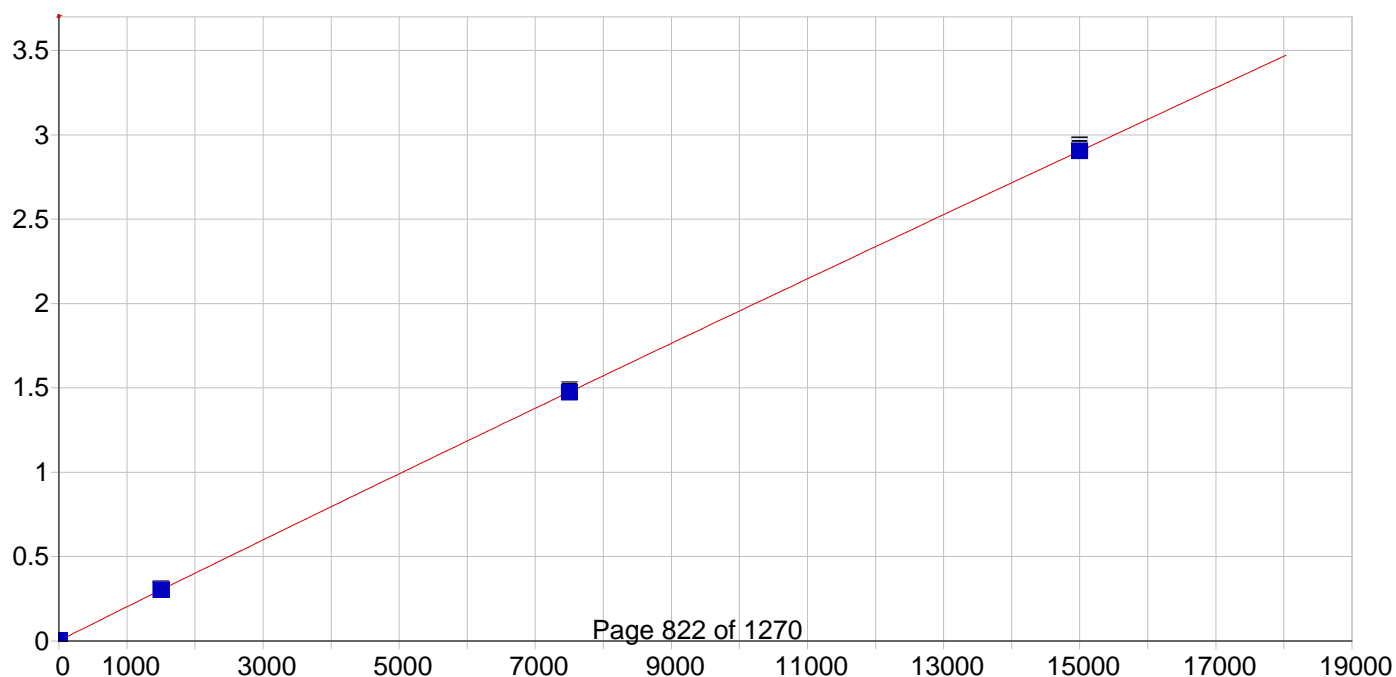


Ni 231.604 {446}

Date of Fit: 4/13/2016 11:58:27 Type of Fit: Linear Weighting: 1/Conc

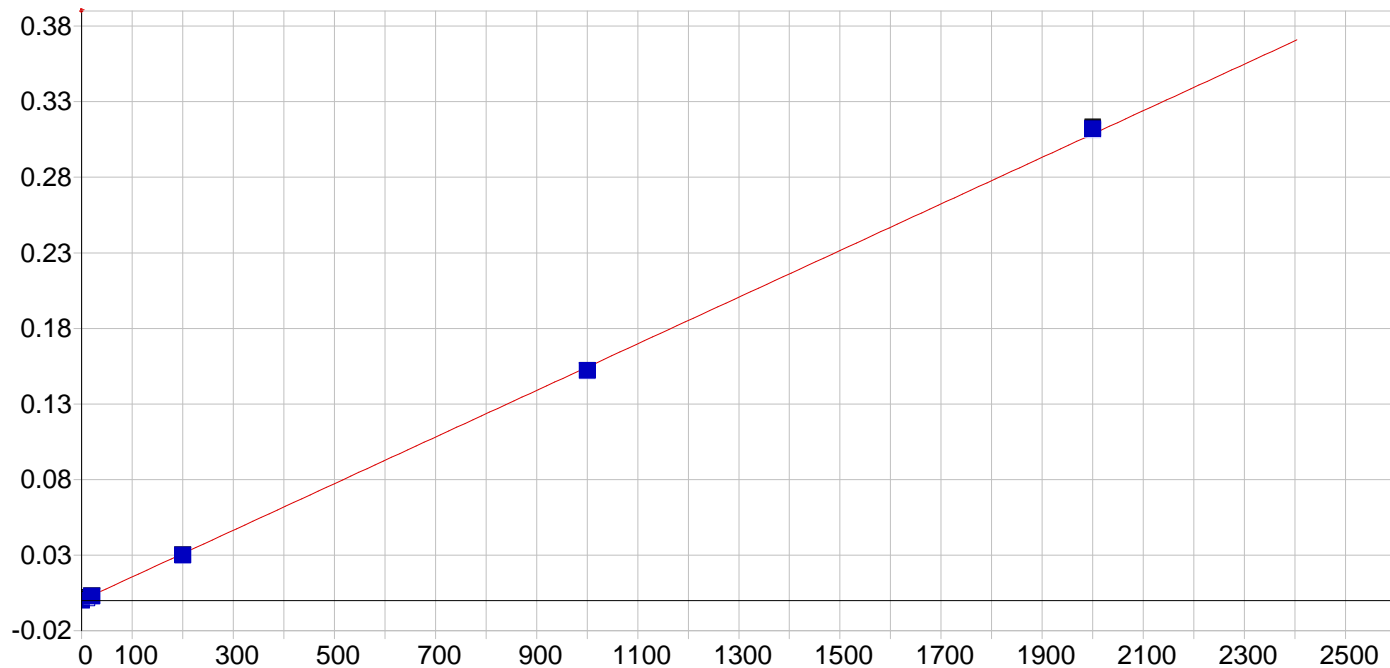
A0 (Offset): 0.000562 Re-Slope: 1.000000
 A1 (Gain): 0.000661 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999930 Status: OK.
 Std Error of Est: 0.000181
 Predicted MDL: 0.507576
 Predicted MQL: 1.691921

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00382		-.004	.000	.00056	.000	1
CAL2	40.000		42.403		2.40	6.01	.02860	.000	1
CAL3	500.00		518.40		18.4	3.68	.34366	.001	1
CAL4	2500.0		2513.3		13.3	.534	1.6641	.004	1
CAL5	5000.0		4965.9		-34.1	-.683	3.2874	.004	1



Predicted MDL: 1.735657
Predicted MQL: 5.785524

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00029		.000	.000	.00058	.000	1
CAL2	10.000		9.0437		-.956	-9.56	.00251	.001	1
CAL3	1500.0		1505.2		5.25	.350	.30615	.001	1
CAL4	7500.0		7492.0		-8.02	-.107	1.4867	.003	1
CAL5	15000.		15004.		3.59	.024	2.9293	.011	1
CAL1	5.0000		5.1344		.134	2.69	.00167	.000	1

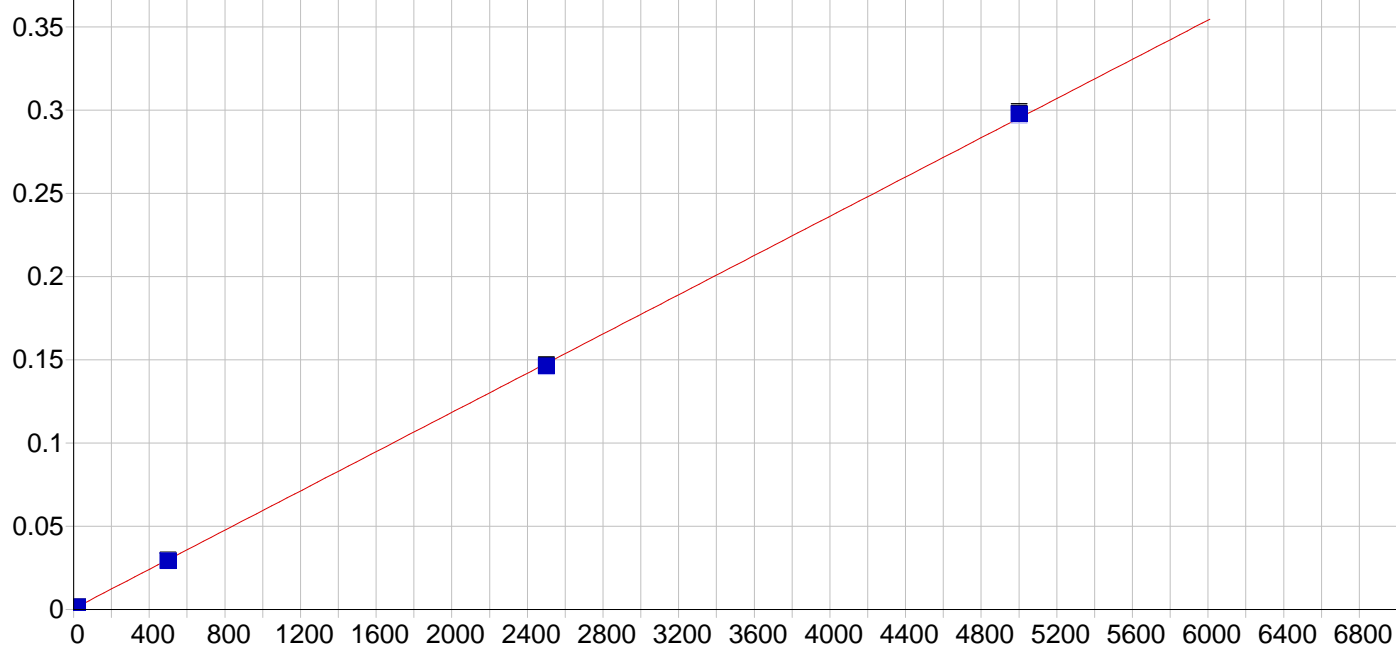


Sb 206.833 {463}

Date of Fit: 4/13/2016 11:58:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000132 Re-Slope: 1.000000
A1 (Gain): 0.000154 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999871 Status: OK.
Std Error of Est: 0.000017
Predicted MDL: 1.579177
Predicted MQL: 5.263925

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00117		.001	.000	.00013	.000	1
CAL2	20.000		18.229		-1.77	-8.86	.00286	.000	1
CAL3	200.00		193.80		-6.20	-3.10	.02994	.000	1
CAL4	1000.0		985.17		-14.8	-1.48	.15165	.000	1
CAL5	2000.0		2022.7		22.7	1.14	.31125	.001	1
CAL1	10.000		10.057		.057	.569	.00168	.000	1

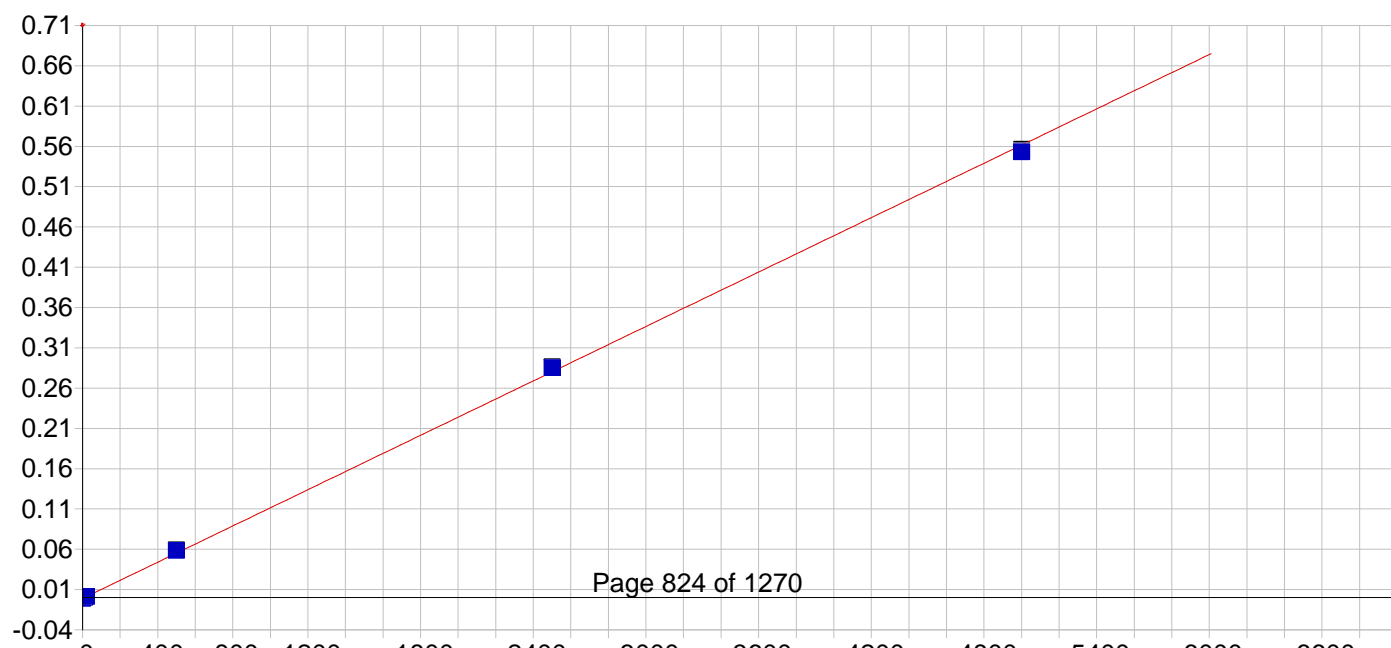


Se 196.090 {472}

Date of Fit: 4/13/2016 11:58:27 Type of Fit: Linear Weighting: 1/Conc

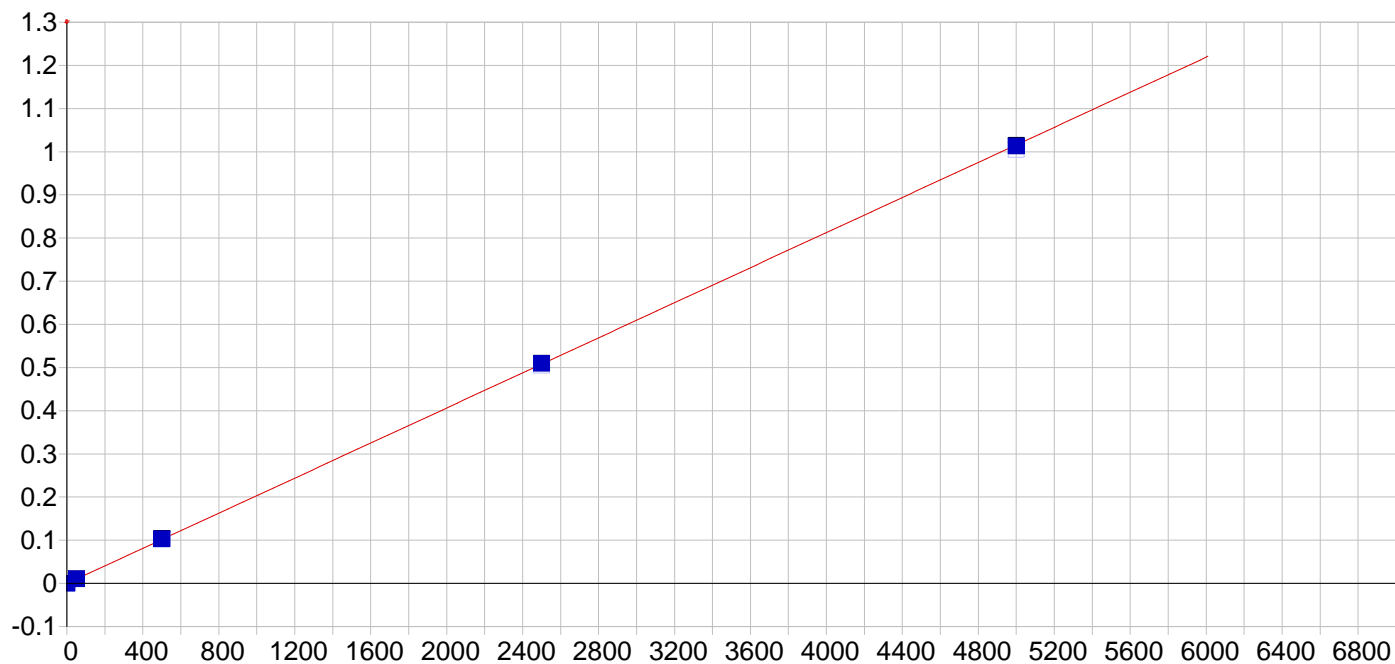
A0 (Offset): 0.000522 Re-Slope: 1.000000
 A1 (Gain): 0.000059 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999775 Status: OK.
 Std Error of Est: 0.000010
 Predicted MDL: 3.316311
 Predicted MQL: 11.054369

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00418		.004	.000	.00052	.000	1
CAL2	20.000		16.932		-3.07	-15.3	.00152	.000	1
CAL3	500.00		487.88		-12.1	-2.42	.02916	.000	1
CAL4	2500.0		2474.1		-25.9	-1.04	.14576	.001	1
CAL5	5000.0		5044.4		44.4	.888	.29667	.001	1
CAL1	5.0000		1.7113		-3.29	-65.8	.00062	.000	1



Std Error of Est: 0.000026
 Predicted MDL: 1.965654
 Predicted MQL: 6.552180

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00105	-.001	.000	-.00106	.000	1
CAL2	20.000	20.728	.728	3.64	.00129	.000	1
CAL3	500.00	528.40	28.4	5.68	.05851	.000	1
CAL4	2500.0	2544.8	44.8	1.79	.28583	.000	1
CAL5	5000.0	4926.0	-74.0	-1.48	.55431	.002	1
CAL1	10.000	10.091	.091	.909	.00008	.000	1

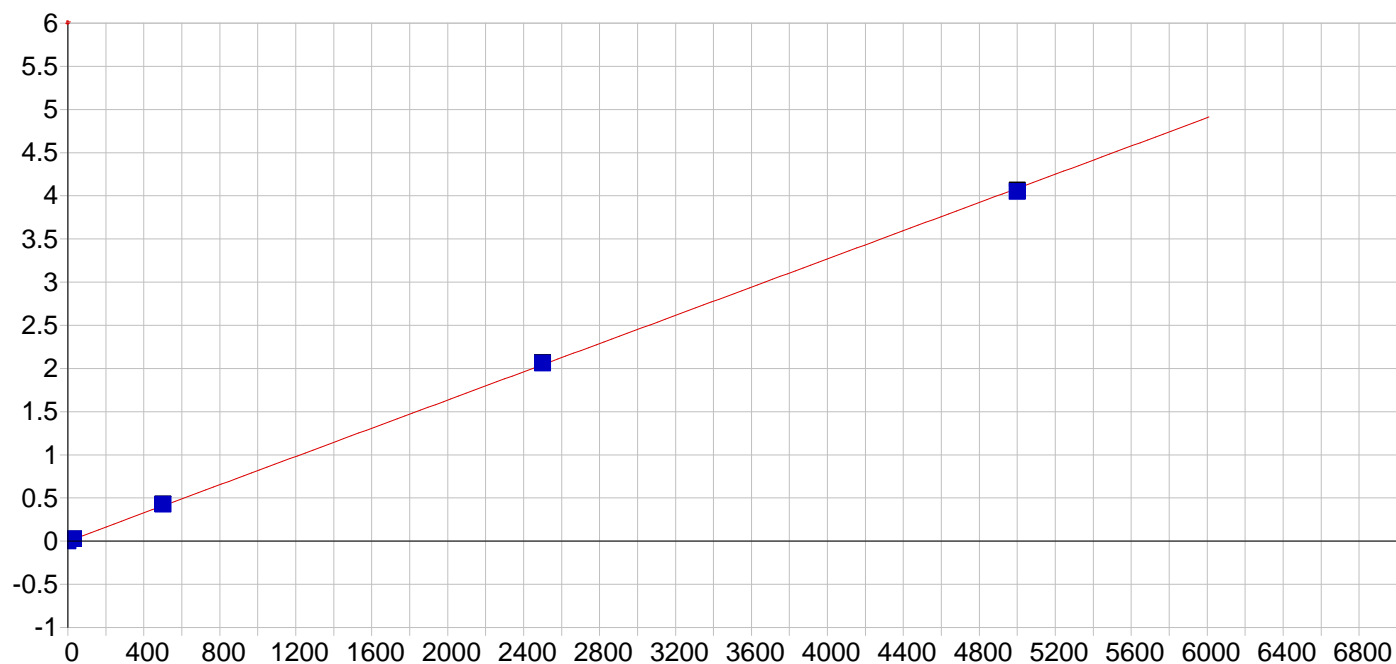


V 292.402 {115}

Date of Fit: 4/13/2016 11:58:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000018 Re-Slope: 1.000000
 A1 (Gain): 0.000203 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999990 Status: OK.
 Std Error of Est: 0.000023
 Predicted MDL: 0.453636
 Predicted MQL: 1.512119

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00146	-.001	.000	-.00002	.000	1
CAL2	50.000	50.816	.816	1.63	.01027	.000	1
CAL3	500.00	506.46	6.46	1.29	.10206	.000	1
CAL4	2500.0	2507.1	7.10	.284	.50527	.000	1
CAL5	5000.0	4985.6	-14.4	-2.88	1.0047	.002	1

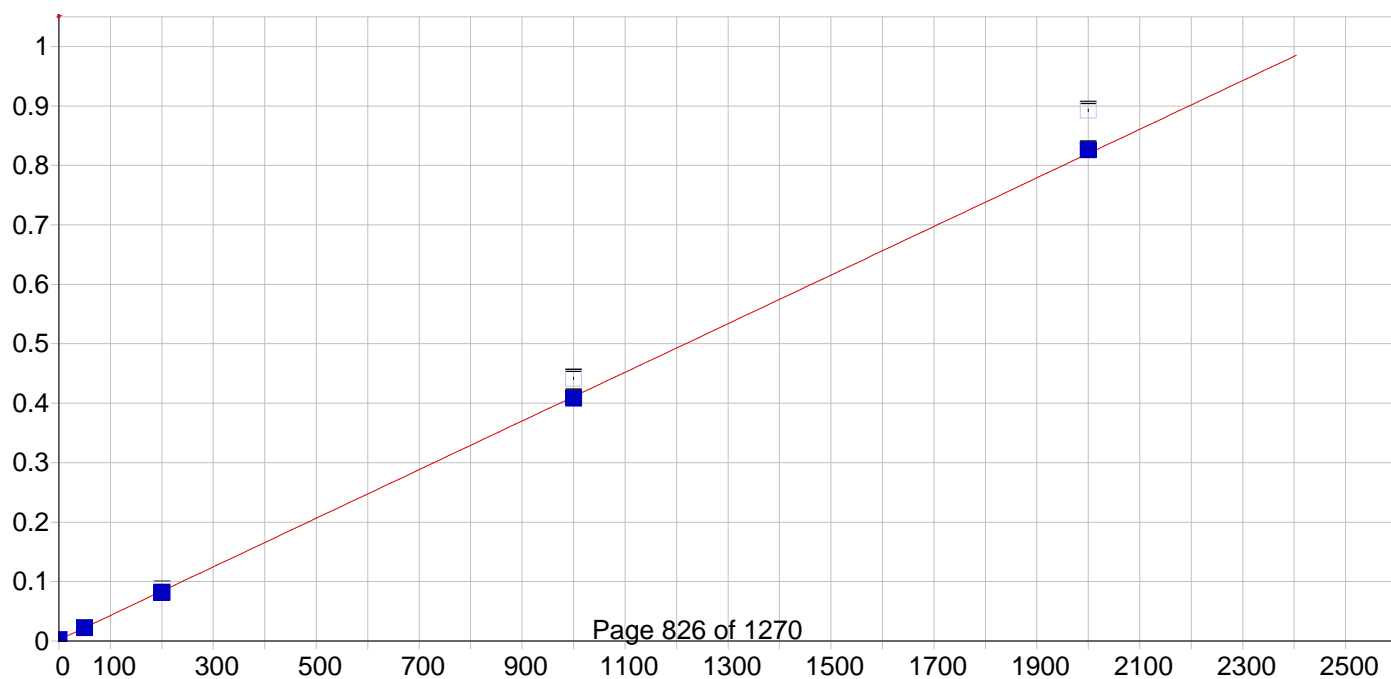


Zn 206.200 {463}

Date of Fit: 4/13/2016 11:58:27 Type of Fit: Linear Weighting: 1/Conc

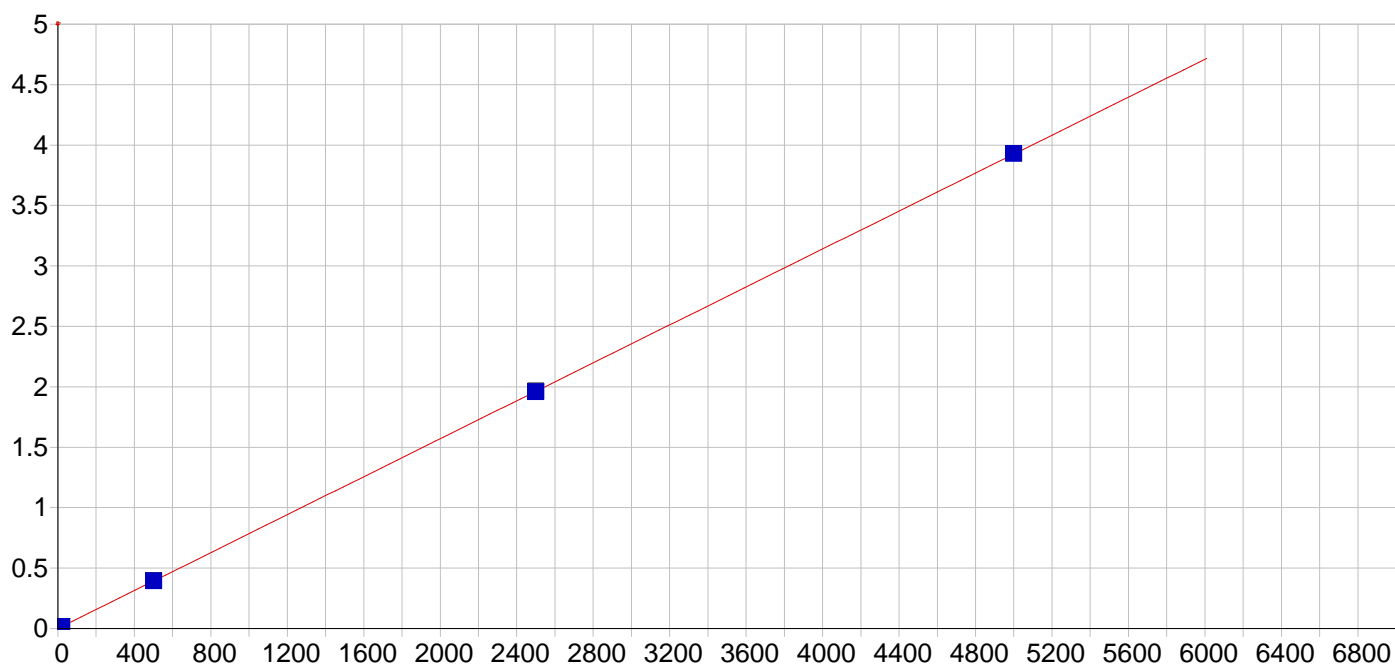
A0 (Offset): -0.000073 Re-Slope: 1.000000
 A1 (Gain): 0.000817 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999898 Status: OK.
 Std Error of Est: 0.000233
 Predicted MDL: 0.239616
 Predicted MQL: 0.798719

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00301		-.003	.000	-.00008	.000	1
CAL2	30.000		31.741		1.74	5.80	.02586	.000	1
CAL3	500.00		521.23		21.2	4.25	.42560	.002	1
CAL4	2500.0		2522.9		22.9	.915	2.0603	.003	1
CAL5	5000.0		4954.1		-45.9	-.917	4.0457	.014	1



Predicted MDL: 0.568870
Predicted MQL: 1.896234

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00305		.003	.000	.00208	.000	1
CAL2	50.000		48.521		-1.48	-2.96	.02219	.000	1
CAL3	200.00		193.61		-6.39	-3.20	.08793	.000	1
CAL4	1000.0		993.47		-6.53	-.653	.44172	.002	1
CAL5	2000.0		2014.3		14.3	.715	.89256	.002	1

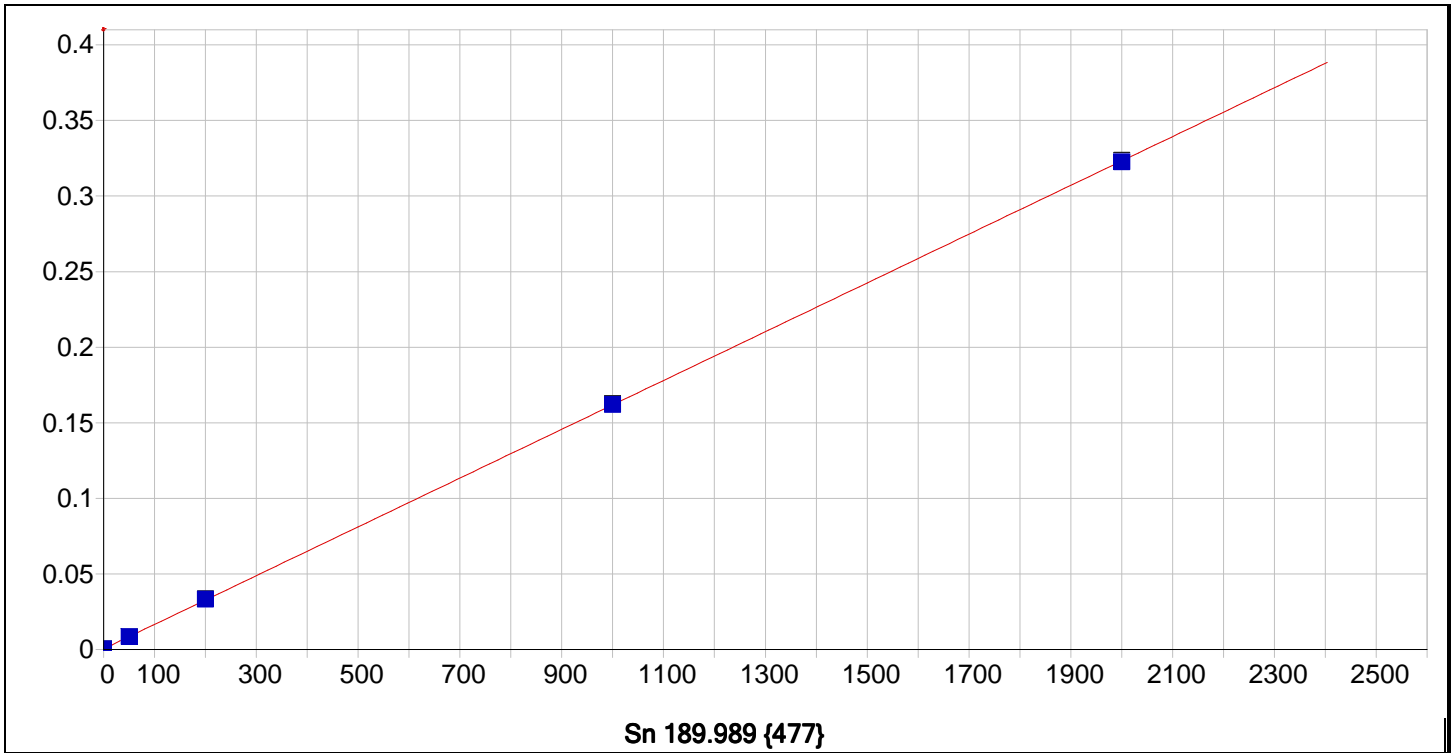


Mo 202.030 {467}

Date of Fit: 4/13/2016 11:58:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000338 Re-Slope: 1.000000
A1 (Gain): 0.000785 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999997 Status: OK.
Std Error of Est: 0.000031
Predicted MDL: 0.260201
Predicted MQL: 0.867336

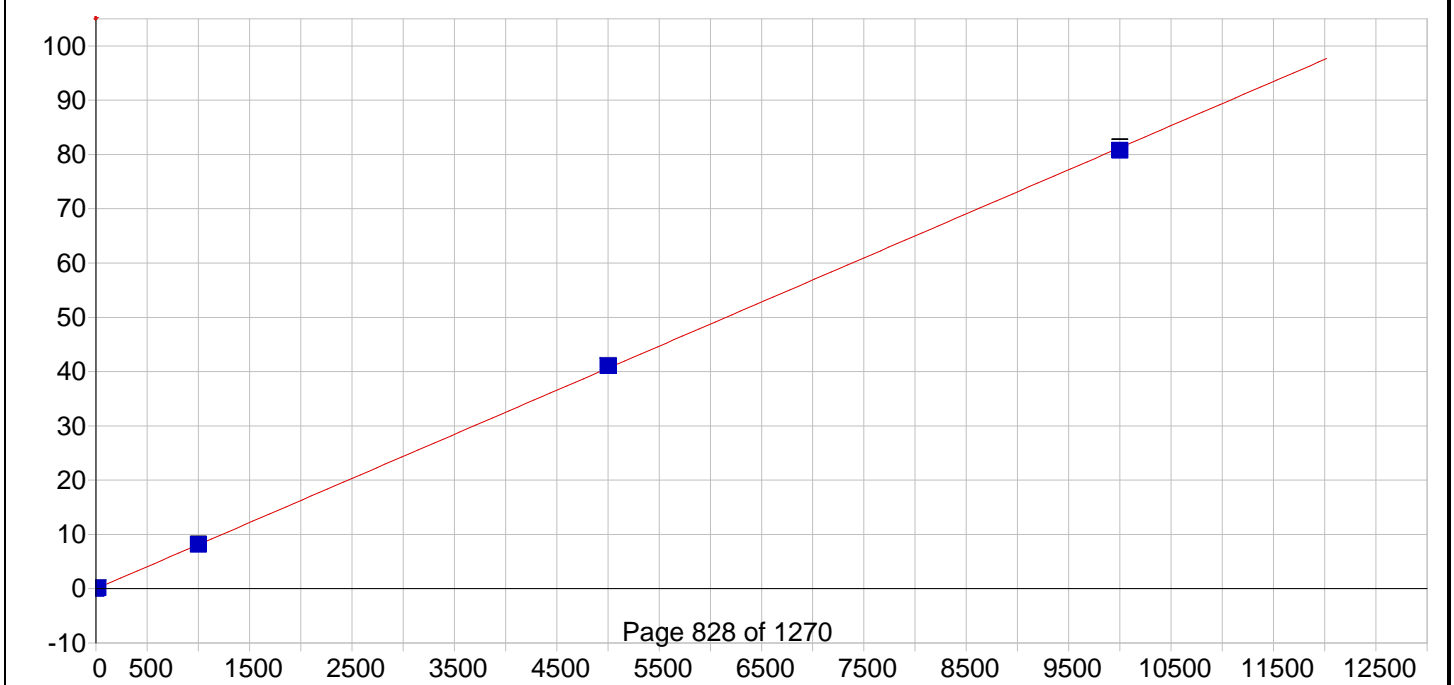
Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.00077		.001	.000	.00034	.000	1
CAL2	20.000		19.220		-.780	-3.90	.01543	.000	1
CAL3	500.00		500.65		.654	.131	.39318	.001	1
CAL4	2500.0		2495.1		-4.94	-.198	1.9581	.004	1
CAL5	5000.0		5005.1		5.07	.101	3.9276	.002	1



Date of Fit: 4/13/2016 11:58:27 Type of Fit: Linear Weighting: 1/Conc

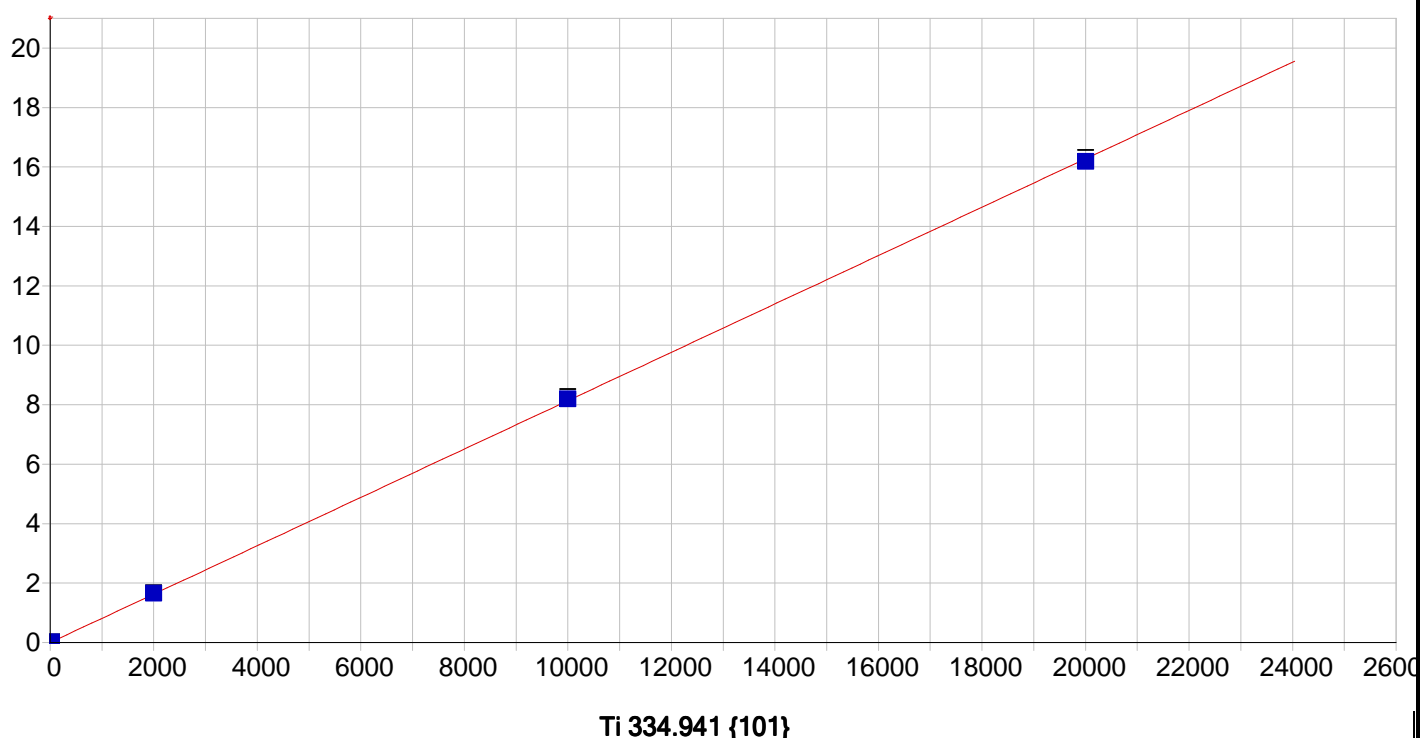
A0 (Offset): 0.000430 Re-Slope: 1.000000
 A1 (Gain): 0.000161 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999993 Status: OK.
 Std Error of Est: 0.000010
 Predicted MDL: 0.920381
 Predicted MQL: 3.067938

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00073	-.001	.000	.00043	.000	1
CAL2	50.000	50.082	.082	.164	.00851	.000	1
CAL3	200.00	202.73	2.73	1.37	.03320	.000	1
CAL4	1000.0	1001.2	1.22	.122	.16225	.000	1
CAL5	2000.0	1996.0	-4.04	-.202	.32302	.001	1



Predicted MDL: 0.104551
 Predicted MQL: 0.348503

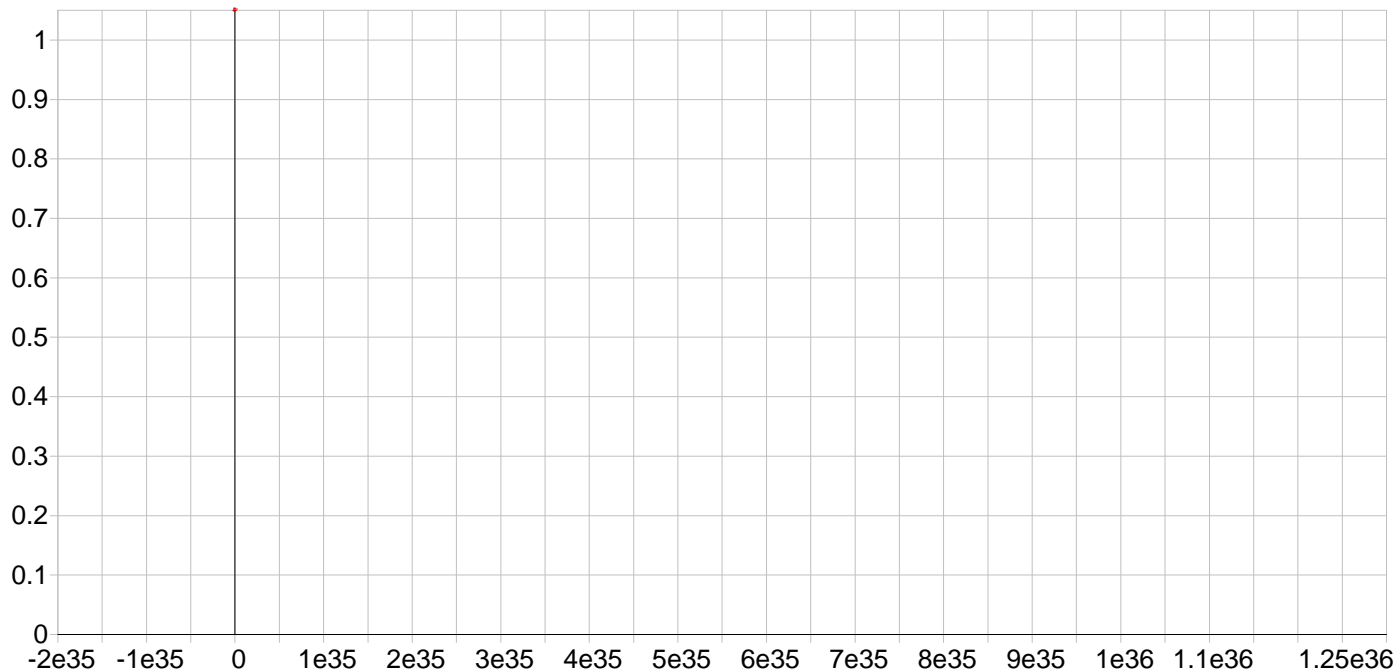
Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00064		-.001	.000	-.00309	.001	1
CAL2	20.000		20.410		.410	2.05	.16300	.001	1
CAL3	1000.0		1006.6		6.58	.658	8.1804	.009	1
CAL4	5000.0		5055.0		55.0	1.10	41.094	.061	1
CAL5	10000.		9938.1		-61.9	-.619	80.794	.575	1



Date of Fit: 4/13/2016 11:58:27 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000601 Re-Slope: 1.000000
 A1 (Gain): 0.000814 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999973 Status: OK.
 Std Error of Est: 0.000194
 Predicted MDL: 0.183985
 Predicted MQL: 0.613283

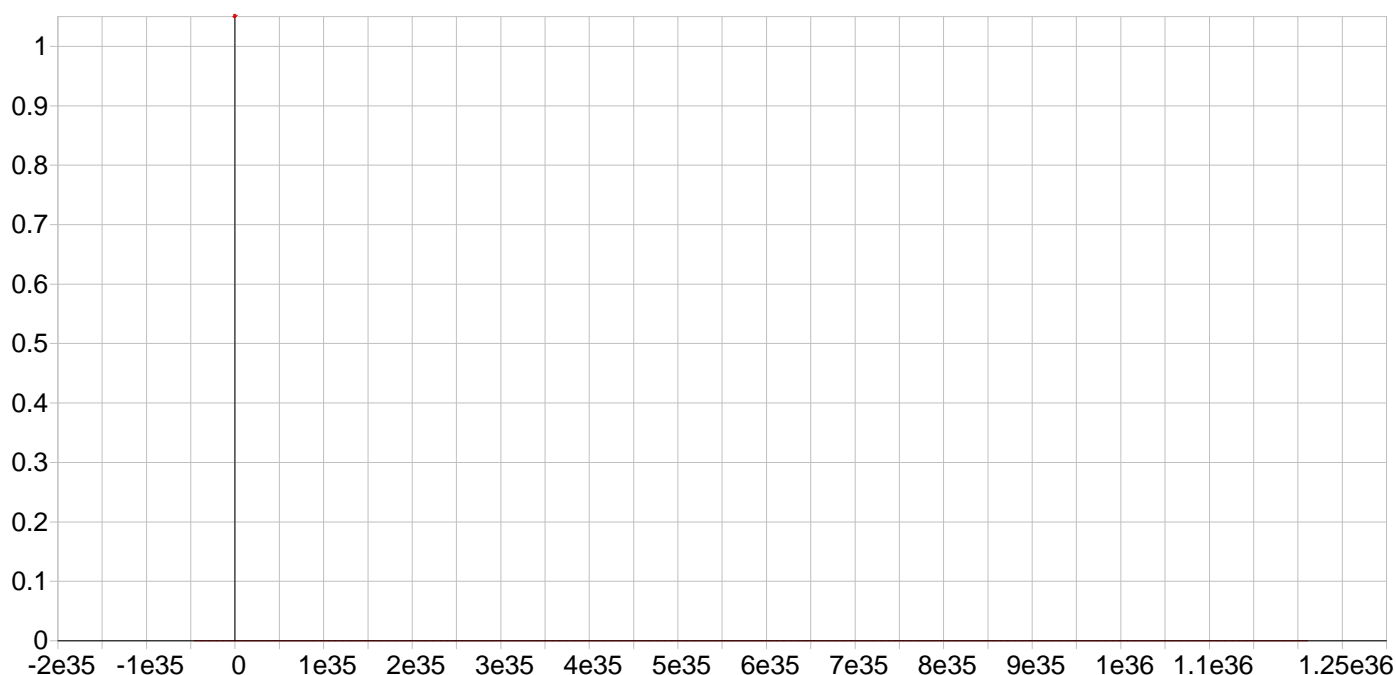
Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		-.00099		-.001	.000	.00060	.000	1
CAL2	20.000		20.587		.587	2.93	.01736	.000	1
CAL3	2000.0		2036.8		36.8	1.84	1.6579	.002	1
CAL4	10000.		10068.		67.8	.678	8.1927	.073	1
CAL5	20000.		19895.		-105.	-.526	16.189	.114	1



Y 224.306 {450}*
Date of Fit: 4/13/2016 11:33:46 Type of Fit: Linear Weighting: 1/Conc

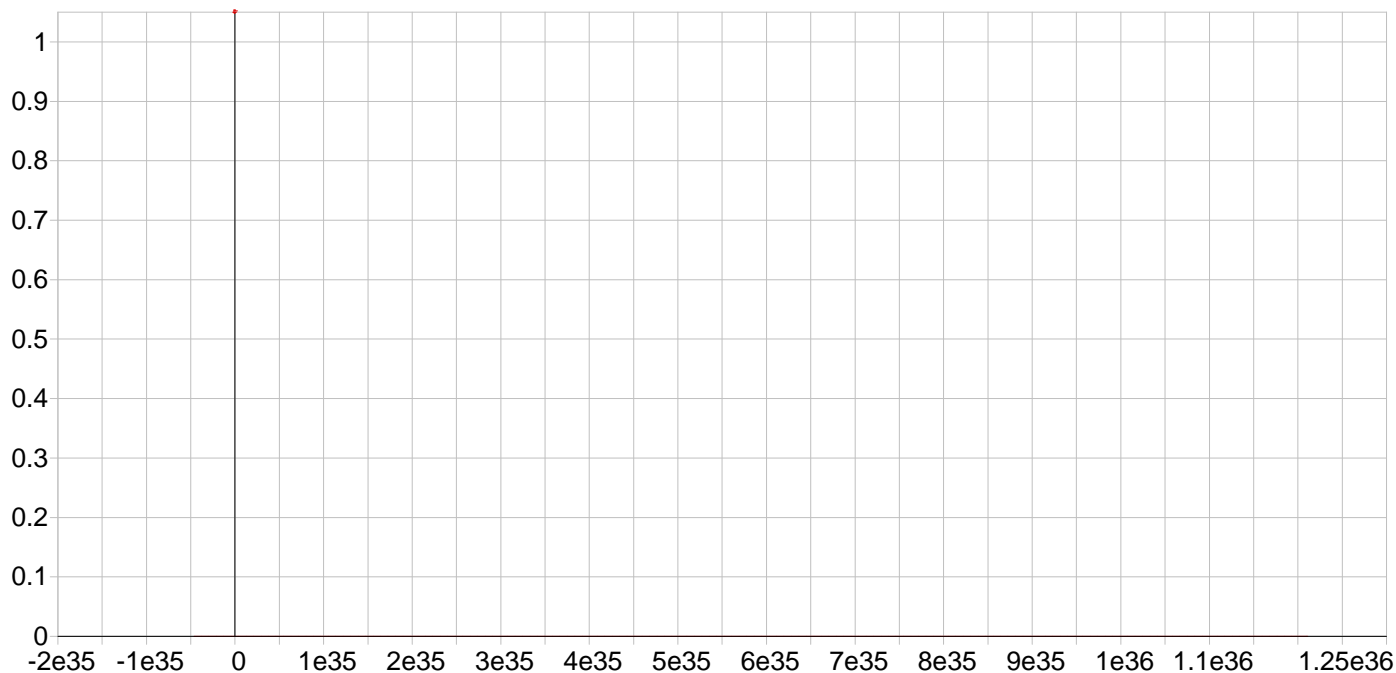
A0 (Offset): 0.000000 Re-Slope: 1.000000
A1 (Gain): 0.000000 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.000000 Status: Warning Zero Gain
Std Error of Est: 183.492520
Predicted MDL: n/a
Predicted MQL: n/a

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Y 360.073 { 94}*
Date of Fit: 4/13/2016 11:33:46 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: 4/13/2016 11:33:46

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000000

Re-Slope: 1.000000

A1 (Gain): 0.000000

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.000000

Status:

Warning

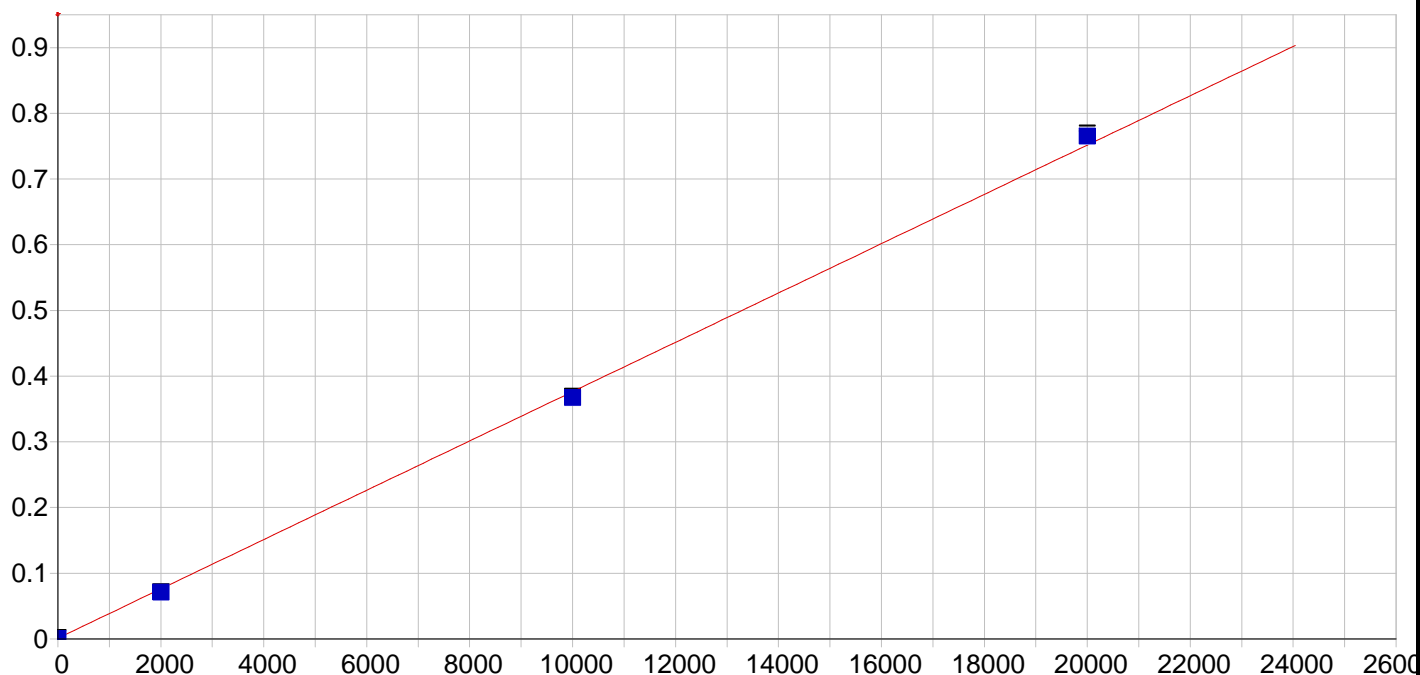
Zero Gain

Std Error of Est: 192.759705

Predicted MDL: n/a

Predicted MQL: n/a

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

Date of Fit: 4/13/2016 11:58:27

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.001190

Re-Slope: 1.000000

Std. Name	Stated	Conc.	Found	Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000		.14158		.142	.000	.00120	.001	1
CAL5	20000.		20368.		368.	1.84	.76433	.004	1
CAL3	2000.0		1869.0		-131.	-6.55	.07121	.001	1
CAL4	10000.		9763.3		-237.	-2.37	.36698	.002	1

Sample Name: ICIS Cal Blk Acquired: 4/13/2016 11:34:57 Type: Cal
Method: sw04052016(v6) 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	.0001	-.0002	-.0004	-.0002	.0003	.0011
Stddev	.0004	.0001	.0001	.0004	.0003	.0001
%RSD	374.3	53.50	25.19	195.9	81.15	7.085

#1	.0002	-.0001	-.0003	-.0004	.0006	.0010
#2	-.0003	-.0003	-.0005	-.0004	.0004	.0011
#3	.0004	-.0002	-.0004	.0002	.0001	.0010

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	-.0007	.0000	.0037	.0002	.0024
Stddev	.0003	.0002	.0000	.0001	.0000	.0023
%RSD	530.2	32.27	1356.	3.019	15.10	93.93

#1	.0004	-.0008	-.0000	.0036	.0002	.0021
#2	-.0001	-.0004	.0000	.0038	.0002	.0003
#3	-.0002	-.0008	.0000	.0037	.0002	.0048

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.0002	.0028	.0006	.0006	.0001
Stddev	.0000	.0000	.0015	.0001	.0001	.0002
%RSD	118.5	11.92	54.01	21.78	18.41	129.2

#1	.0001	.0002	.0011	.0004	.0007	.0001
#2	-.0000	.0003	.0040	.0007	.0005	-.0000
#3	.0000	.0003	.0032	.0006	.0005	.0003

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0005	-.0011	-.0000	-.0001	.0021	.0003
Stddev	.0002	.0002	.0001	.0001	.0003	.0001
%RSD	32.68	15.03	468.6	109.8	15.71	34.69

#1	.0007	-.0012	-.0000	-.0002	.0022	.0005
#2	.0004	-.0010	.0001	-.0001	.0023	.0003
#3	.0005	-.0009	-.0001	.0000	.0017	.0002

Sample Name: ICIS Cal Blk Acquired: 4/13/2016 11:34:57 Type: Cal
Method: sw04052016(v6) 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	.0004	-.0031	.0006	.0012
Stddev	.0001	.0006	.0001	.0006
%RSD	12.41	19.41	9.616	52.56

#1	.0004	-.0030	.0006	.0017
#2	.0005	-.0037	.0005	.0005
#3	.0004	-.0026	.0007	.0014

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3226.5	40291.	5786.7
Stddev	6.5	126.	46.0
%RSD	.20163	.31385	.79530

#1	3222.9	40187.	5769.4
#2	3222.7	40254.	5751.9
#3	3234.0	40431.	5838.9

Sample Name: CAL1 Acquired: 4/13/2016 11:38:58 Type: Cal
Method: sw04052016(v6) 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	.0000	.0017	.0017	.0006	.0001
Stddev	.0000	.0001	.0000	.0000	.0001
%RSD	47.10	7.752	2.477	4.257	169.1

#1	.0000	.0015	.0017	.0006	.0002
#2	.0000	.0018	.0017	.0007	-.0001
#3	.0001	.0017	.0016	.0006	.0001

Int. Std.	Y_2243
Line	224.306 {450}
Units	Cts/S
Avg	3236.3
Stddev	17.8
%RSD	.55149

#1	3254.4
#2	3218.7
#3	3235.8

Sample Name: CAL2 Acquired: 4/13/2016 11:43:02 Type: Cal
Method: sw04052016(v6) 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	.0076	.0007	.0018	.4104	.0084	.0960
Stddev	.0004	.0000	.0001	.0016	.0003	.0003
%RSD	5.181	6.317	3.858	.3956	3.322	.2741

#1	.0072	.0007	.0017	.4101	.0086	.0963
#2	.0080	.0008	.0018	.4122	.0081	.0958
#3	.0076	.0008	.0018	.4090	.0086	.0961

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	.0108	.0540	.0013	.0127	.0013	.3146
Stddev	.0000	.0001	.0001	.0001	.0000	.0032
%RSD	.1814	.1079	6.178	.5125	3.925	1.005

#1	.0108	.0539	.0014	.0127	.0012	.3122
#2	.0108	.0540	.0013	.0127	.0012	.3133
#3	.0108	.0540	.0013	.0126	.0013	.3182

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.0719	.0147	1.056	.0286	.0025	.0029
Stddev	.0003	.0001	.002	.0003	.0005	.0001
%RSD	.4765	.3407	.1495	1.201	21.45	3.021

#1	.0720	.0146	1.058	.0284	.0019	.0030
#2	.0715	.0147	1.055	.0290	.0027	.0028
#3	.0721	.0147	1.056	.0284	.0029	.0028

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	.0015	.0013	.0103	.0259	.0222	.0154
Stddev	.0001	.0000	.0001	.0001	.0004	.0001
%RSD	7.055	2.786	.9240	.2654	1.721	.7935

#1	.0016	.0013	.0103	.0259	.0226	.0156
#2	.0015	.0013	.0102	.0259	.0220	.0153
#3	.0014	.0013	.0104	.0258	.0219	.0154

Sample Name: CAL2 Acquired: 4/13/2016 11:43:02 Type: Cal
Method: sw04052016(v6) 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	.0085	.1630	.0174
Stddev	.0001	.0008	.0001
%RSD	.6483	.4733	.3959

#1	.0085	.1630	.0174
#2	.0086	.1638	.0173
#3	.0085	.1622	.0173

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3223.3	40005.	5714.7
Stddev	10.2	133.	11.8
%RSD	.31786	.33287	.20612

#1	3214.2	39876.	5714.9
#2	3221.3	40142.	5726.4
#3	3234.4	39998.	5702.8

Sample Name: icb Acquired: 4/13/2016 12:02:19 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.608	-2.565	.3302	.1881	-.0417	5.001
Stddev	9.381	1.150	.4505	.0670	.0218	.904
%RSD	123.3	44.84	136.5	35.62	52.36	18.08

#1	.0364	-3.135	.7209	.1852	-.0167	4.776
#2	-18.08	-3.319	-.1626	.1227	-.0516	4.230
#3	-4.785	-1.241	.4322	.2566	-.0568	5.996

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1636	.0621	-.3676	.7185	-2.229	17.39
Stddev	.0494	.1381	.8383	.1769	10.95	21.76
%RSD	30.17	222.1	228.0	24.62	491.0	125.1

#1	-.2011	.2197	-1.176	.6345	-3.866	38.55
#2	-.1820	.0042	-.4240	.9217	-12.27	-4.932
#3	-.1077	-.0375	.4974	.5993	9.444	18.56

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	3.736	.0680	14.62	.1697	-.0690	1.308
Stddev	4.974	.0084	4.01	.0879	1.445	1.188
%RSD	133.1	12.37	27.46	51.78	2095.	90.87

#1	8.620	.0588	14.59	.2117	-.8671	.2823
#2	3.910	.0700	18.65	.0687	1.599	1.031
#3	-1.323	.0752	10.62	.2286	-.9393	2.610

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

Sample Name: icb Acquired: 4/13/2016 12:02:19 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2037	.0748	.2198	.0178	2.147	1.191
Stddev	1.440	.7597	.3560	.1722	1.065	.662
%RSD	706.9	1016.	162.0	968.3	49.61	55.61
#1	-1.135	.9094	.5114	-.1010	3.030	1.921
#2	-.9319	-.5766	.3249	-.0609	2.446	1.023
#3	1.455	-.1084	-.1770	.2153	.9643	.6290

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4198	.0821	.6823	19.66
Stddev	.5098	.0655	.2728	19.41
%RSD	121.4	79.77	39.98	98.70
#1	-.2863	.1577	.8736	-.0400
#2	.0098	.0470	.3699	20.27
#3	-.9831	.0417	.8033	38.76

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	3193.9	39860.	5634.4
Stddev	10.2	88.	66.6
%RSD	.31818	.22166	1.1822
#1	3205.5	39883.	5710.0
#2	3186.7	39763.	5609.1
#3	3189.6	39935.	5584.2

Sample Name: CAL3 Acquired: 4/13/2016 11:47:01 Type: Cal
Method: sw04052016(v6) 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	.9091	.0328	.0522	4.048	.8215	.4673
Stddev	.0030	.0002	.0003	.004	.0047	.0017
%RSD	.3283	.6017	.5376	.1019	.5752	.3720

#1	.9078	.0326	.0521	4.046	.8188	.4654
#2	.9070	.0330	.0526	4.045	.8187	.4675
#3	.9125	.0329	.0521	4.052	.8270	.4689

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	.7041	.5373	.1344	.8903	.1383	.6272
Stddev	.0017	.0007	.0004	.0002	.0005	.0041
%RSD	.2444	.1325	.2726	.0233	.3326	.6516

#1	.7041	.5378	.1340	.8901	.1378	.6242
#2	.7024	.5365	.1344	.8905	.1386	.6255
#3	.7058	.5377	.1347	.8903	.1385	.6318

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.3587	.9409	5.286	.3437	.3062	.0299
Stddev	.0010	.0027	.005	.0012	.0007	.0002
%RSD	.2768	.2826	.0947	.3569	.2197	.5632

#1	.3577	.9382	5.287	.3447	.3068	.0300
#2	.3597	.9411	5.281	.3423	.3054	.0297
#3	.3589	.9435	5.291	.3440	.3063	.0301

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	.0292	.0585	.1021	.4256	.0879	.3932
Stddev	.0003	.0003	.0003	.0017	.0004	.0006
%RSD	1.103	.4343	.2644	.4071	.4476	.1636

#1	.0295	.0583	.1018	.4243	.0882	.3928
#2	.0288	.0588	.1020	.4249	.0875	.3928
#3	.0292	.0585	.1023	.4276	.0881	.3939

Sample Name: CAL3 Acquired: 4/13/2016 11:47:01 Type: Cal
Method: sw04052016(v6) 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	.0332	8.180	1.658	.0712
Stddev	.0001	.009	.002	.0006
%RSD	.1534	.1082	.1078	.7903

#1	.0332	8.179	1.656	.0715
#2	.0331	8.172	1.659	.0715
#3	.0332	8.190	1.658	.0706

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3205.5	39999.	5871.0
Stddev	17.9	307.	76.5
%RSD	.55755	.76711	1.3038

#1	3217.2	40352.	5918.8
#2	3214.4	39853.	5911.4
#3	3184.9	39793.	5782.7

Sample Name: CAL4 Acquired: 4/13/2016 11:50:49 Type: Cal
Method: sw04052016(v6) 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	4.536	.1698	.2649	20.02	4.040	2.323
Stddev	.007	.0004	.0005	.04	.006	.006
%RSD	.1463	.2552	.1813	.1861	.1564	.2693

#1	4.528	.1693	.2644	19.98	4.040	2.327
#2	4.540	.1700	.2653	20.06	4.046	2.326
#3	4.539	.1702	.2651	20.03	4.034	2.316

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	3.430	2.623	.6556	4.561	.6630	3.198
Stddev	.004	.006	.0011	.004	.0001	.012
%RSD	.1246	.2218	.1702	.0889	.0178	.3663

#1	3.425	2.616	.6565	4.558	.6629	3.189
#2	3.432	2.626	.6561	4.561	.6631	3.194
#3	3.433	2.627	.6544	4.566	.6629	3.211

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.815	4.589	26.81	1.664	1.487	.1517
Stddev	.002	.004	.05	.004	.003	.0001
%RSD	.0917	.0991	.1970	.2156	.2183	.0574

#1	1.814	4.592	26.78	1.660	1.483	.1516
#2	1.817	4.592	26.78	1.667	1.488	.1517
#3	1.815	4.584	26.87	1.665	1.489	.1516

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	.1458	.2858	.5053	2.060	.4417	1.958
Stddev	.0006	.0004	.0003	.003	.0017	.004
%RSD	.4380	.1231	.0576	.1461	.3914	.2253

#1	.1451	.2855	.5052	2.057	.4398	1.953
#2	.1459	.2857	.5056	2.061	.4421	1.960
#3	.1463	.2862	.5050	2.063	.4432	1.961

Sample Name: CAL4 Acquired: 4/13/2016 11:50:49 Type: Cal
Method: sw04052016(v6) 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	.1622	41.09	8.193	.3670
Stddev	.0005	.06	.073	.0019
%RSD	.3066	.1482	.8856	.5274

#1	.1617	41.03	8.228	.3650
#2	.1625	41.10	8.109	.3671
#3	.1625	41.15	8.241	.3689

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3036.7	38622.	5779.8
Stddev	8.1	59.	14.7
%RSD	.26616	.15325	.25510

#1	3046.0	38556.	5781.4
#2	3032.6	38642.	5764.4
#3	3031.4	38670.	5793.7

Sample Name: CAL5 Acquired: 4/13/2016 11:54:29 Type: Cal
Method: sw04052016(v6) 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	9.117	.3499	.5403	39.61	7.951	4.646
Stddev	.037	.0008	.0010	.07	.028	.014
%RSD	.4090	.2162	.1928	.1781	.3465	.2948

#1	9.147	.3491	.5391	39.55	7.972	4.630
#2	9.128	.3501	.5411	39.59	7.960	4.653
#3	9.075	.3506	.5408	39.68	7.920	4.654

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	6.803	5.204	1.294	9.220	1.304	6.541
Stddev	.006	.007	.003	.011	.002	.008
%RSD	.0857	.1259	.2412	.1164	.1403	.1219

#1	6.806	5.209	1.292	9.209	1.305	6.550
#2	6.807	5.205	1.294	9.222	1.302	6.536
#3	6.797	5.197	1.298	9.230	1.305	6.537

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.654	8.941	54.64	3.287	2.929	.3112
Stddev	.011	.033	.37	.004	.011	.0009
%RSD	.3080	.3700	.6828	.1269	.3593	.3036

#1	3.642	8.941	54.68	3.283	2.940	.3122
#2	3.664	8.908	54.99	3.288	2.929	.3113
#3	3.656	8.975	54.24	3.291	2.919	.3103

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	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	.2967	.5543	1.005	4.046	.8926	3.928
Stddev	.0013	.0018	.002	.014	.0019	.002
%RSD	.4285	.3215	.1545	.3412	.2119	.0439

#1	.2968	.5548	1.003	4.056	.8924	3.928
#2	.2979	.5558	1.005	4.051	.8945	3.929
#3	.2953	.5523	1.006	4.030	.8908	3.926

Sample Name: CAL5 Acquired: 4/13/2016 11:54:29 Type: Cal
Method: sw04052016(v6) 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	.3230	80.79	16.19	.7643
Stddev	.0006	.57	.11	.0042
%RSD	.1757	.7111	.7072	.5530

#1	.3232	81.14	16.27	.7679
#2	.3235	81.11	16.24	.7597
#3	.3224	80.13	16.06	.7654

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2886.3	37353.	5738.6
Stddev	1.4	99.	12.0
%RSD	.04823	.26399	.20904

#1	2886.5	37460.	5743.6
#2	2884.8	37265.	5724.9
#3	2887.6	37335.	5747.3

Sample Name: LCS 460-361769/2-A Acquired: 4/13/2016 12:38:29 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1966.	1891.	48.20	2005.	49.79	20020.
Stddev	9.	10.	.24	6.	.13	124.
%RSD	.4786	.5514	.4914	.3212	.2647	.6179
#1	1975.	1879.	47.93	1998.	49.89	20160.
#2	1967.	1896.	48.29	2011.	49.85	19970.
#3	1956.	1898.	48.37	2007.	49.64	19930.

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	50.50	507.6	207.7	242.2	1017.	17920.
Stddev	.18	.5	.7	.7	14.	107.
%RSD	.3553	.1060	.3219	.2845	1.373	.5994
#1	50.44	507.1	208.0	241.6	1026.	18040.
#2	50.70	508.2	206.9	242.1	1024.	17860.
#3	50.35	507.6	208.2	242.9	1001.	17850.

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	19150.	518.3	18970.	520.0	507.2	469.8
Stddev	134.	2.2	121.	2.4	.5	1.5
%RSD	.7001	.4286	.6385	.4604	.1084	.3233
#1	19270.	520.8	19100.	517.5	507.8	468.0
#2	19170.	517.3	18880.	522.3	507.0	470.6
#3	19000.	516.7	18910.	520.3	506.7	470.6

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

Sample Name: LCS 460-361769/2-A Acquired: 4/13/2016 12:38:29 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1894.	2107.	509.0	516.6	497.9	492.7
Stddev	7.	12.	.4	.9	2.6	1.6
%RSD	.3440	.5779	.0710	.1713	.5139	.3296

#1	1891.	2096.	509.3	517.4	495.0	490.8
#2	1891.	2105.	509.0	516.6	498.9	493.9
#3	1902.	2120.	508.6	515.7	499.9	493.4

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	504.5	493.2	503.2	105.0
Stddev	1.8	2.1	.8	4.8
%RSD	.3480	.4266	.1537	4.526

#1	502.5	495.4	504.1	103.5
#2	505.0	491.3	502.7	110.4
#3	505.9	492.9	502.8	101.3

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	3072.0	38452.	5605.4
Stddev	8.7	355.	102.1
%RSD	.28469	.92340	1.8211

#1	3063.2	38057.	5493.3
#2	3072.3	38554.	5630.1
#3	3080.7	38744.	5692.9

Sample Name: icv 4237635 Acquired: 4/13/2016 11:58:35 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124000.	2471.	1246.	10090.	1003.	126000.
Stddev	759.	13.	6.	28.	4.	91.
%RSD	.6124	.5119	.5153	.2765	.3782	.0725

#1	123200.	2486.	1239.	10120.	998.7	126100.
#2	124100.	2466.	1246.	10060.	1004.	125900.
#3	124700.	2462.	1252.	10080.	1006.	126100.

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	1257.	2518.	5039.	12480.	101100.	49550.
Stddev	4.	2.	15.	31.	411.	326.
%RSD	.2890	.0606	.2930	.2484	.4060	.6575

#1	1261.	2519.	5054.	12450.	100800.	49240.
#2	1254.	2518.	5038.	12510.	100900.	49530.
#3	1256.	2516.	5025.	12480.	101600.	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	125800.	5105.	123300.	2518.	7587.	987.3
Stddev	733.	8.	1036.	9.	12.	1.9
%RSD	.5824	.1552	.8400	.3517	.1641	.1953

#1	125300.	5100.	122500.	2528.	7584.	987.3
#2	125500.	5101.	123000.	2512.	7577.	985.3
#3	126600.	5114.	124500.	2514.	7601.	989.2

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

Sample Name: icv 4237635 Acquired: 4/13/2016 11:58:35 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2487.	2546.	2515.	2535.	995.7	2502.
Stddev	5.	18.	3.	5.	3.2	9.
%RSD	.1971	.7040	.0999	.2000	.3260	.3582
#1	2485.	2567.	2512.	2538.	999.5	2512.
#2	2483.	2534.	2515.	2529.	994.1	2496.
#3	2492.	2537.	2517.	2538.	993.6	2497.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1006.	5054.	10090.	9813.
Stddev	5.	18.	101.	60.
%RSD	.5247	.3637	.9983	.6085
#1	1012.	5035.	10110.	9817.
#2	1002.	5055.	9986.	9752.
#3	1003.	5071.	10190.	9871.

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	3040.2	38528.	5837.9
Stddev	8.7	157.	28.2
%RSD	.28545	.40723	.48293
#1	3033.0	38430.	5869.7
#2	3049.8	38709.	5828.3
#3	3037.8	38444.	5815.8

Sample Name: CCV Acquired: 4/13/2016 12:50:15 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126600.	2565.	1269.	10430.	1028.	129000.
Stddev	241.	18.	1.	30.	.	36.
%RSD	.1900	.6978	.0916	.2834	.0464	.0281

#1	126300.	2584.	1269.	10440.	1028.	129100.
#2	126800.	2549.	1271.	10390.	1028.	129000.
#3	126600.	2561.	1268.	10440.	1028.	129000.

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	1297.	2586.	5208.	12860.	103000.	50650.
Stddev	5.	5.	14.	46.	90.	66.
%RSD	.3771	.1826	.2762	.3561	.0873	.1312

#1	1301.	2590.	5200.	12900.	103000.	50570.
#2	1291.	2581.	5199.	12870.	102900.	50700.
#3	1298.	2588.	5225.	12810.	103100.	50670.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127400.	5223.	125300.	2610.	7736.	1017.
Stddev	354.	4.	341.	9.	27.	6.
%RSD	.2776	.0796	.2719	.3517	.3495	.5814

#1	127600.	5225.	125000.	2618.	7757.	1024.
#2	127600.	5226.	125700.	2600.	7706.	1016.
#3	126900.	5219.	125200.	2613.	7746.	1012.

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

Sample Name: CCV Acquired: 4/13/2016 12:50:15 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2543.	2634.	2583.	2590.	1038.	2585.
Stddev	12.	9.	2.	13.	6.	5.
%RSD	.4727	.3536	.0845	.4880	.5487	.2042

#1	2557.	2644.	2585.	2592.	1044.	2586.
#2	2535.	2632.	2584.	2576.	1034.	2580.
#3	2538.	2625.	2581.	2601.	1035.	2591.

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	1039.	5178.	10340.	10080.
Stddev	5.	8.	38.	120.
%RSD	.5269	.1599	.3682	1.195

#1	1044.	5187.	10370.	10210.
#2	1033.	5176.	10360.	9973.
#3	1040.	5170.	10300.	10050.

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	2946.9	37677.	5717.5
Stddev	12.2	63.	32.2
%RSD	.41496	.16724	.56375

#1	2942.2	37711.	5754.3
#2	2960.8	37716.	5704.0
#3	2937.7	37604.	5694.3

Sample Name: icvl 4079378 Acquired: 4/13/2016 12:06:23 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	216.6	13.32	9.796	206.8	2.004	5079.
Stddev	21.1	1.15	.414	.4	.093	21.
%RSD	9.741	8.617	4.231	.1863	4.621	.4059

#1	241.0	14.43	10.10	207.1	2.108	5069.
#2	203.8	12.14	9.325	206.4	1.973	5066.
#3	205.1	13.37	9.959	206.9	1.930	5103.

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	4.038	52.80	9.977	24.47	158.9	4888.
Stddev	.132	.32	.122	.38	5.6	19.
%RSD	3.269	.6039	1.219	1.553	3.554	.3937

#1	4.059	53.11	10.10	24.59	164.7	4866.
#2	3.896	52.83	9.861	24.78	153.5	4897.
#3	4.157	52.48	9.966	24.05	158.5	4902.

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	4955.	16.03	4969.	42.80	10.73	19.78
Stddev	30.	.04	10.	.22	2.44	.62
%RSD	.6000	.2590	.1988	.5037	22.73	3.135

#1	4954.	16.08	4959.	42.77	10.90	19.11
#2	4925.	16.01	4978.	42.59	8.208	20.34
#3	4984.	16.01	4969.	43.02	13.08	19.90

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

Sample Name: icvl 4079378 Acquired: 4/13/2016 12:06:23 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.28	21.88	50.54	31.68	50.25	19.76
Stddev	2.67	.77	.44	.09	.34	.35
%RSD	13.18	3.537	.8779	.2903	.6758	1.767
#1	19.47	22.41	50.80	31.61	50.21	19.58
#2	18.11	22.23	50.79	31.64	50.60	20.16
#3	23.26	20.99	50.03	31.78	49.93	19.53

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	50.05	20.84	20.80	F 23.22
Stddev	.22	.08	.07	9.83
%RSD	.4489	.3852	.3231	42.33
#1	50.06	20.75	20.88	22.17
#2	50.27	20.90	20.75	33.53
#3	49.82	20.86	20.78	13.96

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3234.3	40558.	5839.9
Stddev	7.6	98.	32.4
%RSD	.23426	.24109	.55562
#1	3231.4	40526.	5839.3
#2	3242.9	40480.	5807.8
#3	3228.6	40668.	5872.7

Sample Name: 460-111807-E-2-A@2 Acquired: 4/13/2016 13:17:59 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	222.9	2.411	.5818	87.43	.0364	69080.
Stddev	6.6	.454	.5842	.47	.0833	269.
%RSD	2.972	18.81	100.4	.5319	229.1	.3890

#1	230.3	2.890	-.0430	87.55	.1071	69210.
#2	220.8	1.988	1.114	87.83	.0574	69250.
#3	217.5	2.355	.6741	86.92	-.0554	68770.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.151	1.185	6.373	-.8013	88750.	11910.
Stddev	.145	.251	.425	.1329	250.	106.
%RSD	12.62	21.19	6.675	16.59	.2822	.8890

#1	-1.147	1.371	6.172	-.9043	88860.	11950.
#2	-1.298	.8996	6.862	-.8484	88920.	11980.
#3	-1.008	1.285	6.085	-.6512	88460.	11790.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	87090.	5175.	F 361600.	4.724	-3.632	-1.257
Stddev	528.	27.	4197.	.378	2.157	.906
%RSD	.6063	.5130	1.161	7.994	59.41	72.11

#1	87310.	5189.	361100.	4.416	-2.015	-.3997
#2	87480.	5192.	366100.	5.145	-2.799	-1.165
#3	86490.	5145.	357700.	4.611	-6.081	-2.205

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

Sample Name: 460-111807-E-2-A@2 Acquired: 4/13/2016 13:17:59 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.991	-.2863	-1.460	35.98	174.7	1.654
Stddev	4.584	.4971	.148	.32	2.1	.154
%RSD	76.53	173.7	10.12	.8896	1.221	9.328
#1	8.535	.2434	-1.390	35.92	176.4	1.786
#2	.6984	-.7428	-1.361	36.33	175.3	1.692
#3	8.738	-.3594	-1.630	35.70	172.3	1.484

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1533	690.4	8.911	13590.
Stddev	.4356	5.0	.255	171.
%RSD	284.1	.7245	2.857	1.259
#1	-.3281	692.1	8.977	13680.
#2	.5203	694.3	9.127	13700.
#3	.2678	684.7	8.630	13400.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3038.8	38123.	5807.5
Stddev	2.5	116.	40.6
%RSD	.08188	.30511	.69972
#1	3039.0	37991.	5854.4
#2	3036.2	38210.	5783.3
#3	3041.2	38168.	5784.8

Sample Name: icsa 4305090 Acquired: 4/13/2016 12:10:23 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	495000.	.8930	.2655	-.8622	-.0730	491800.
Stddev	1621.	4.675	.6843	.3930	.0901	2957.
%RSD	.3275	523.5	257.7	45.57	123.4	.6013

#1	495200.	5.669	-.5031	-.4383	-.1379	488500.
#2	493300.	-3.674	.4914	-.9340	.0298	492800.
#3	496600.	.6838	.8083	-1.214	-.1110	494100.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1022	-3.566	-1.101	-3.690	193100.	-39.17
Stddev	.2557	.098	.517	.189	824.	17.04
%RSD	250.1	2.746	46.97	5.121	.4267	43.50

#1	-.0739	-3.477	-1.576	-3.804	192600.	-30.70
#2	.3956	-3.671	-1.177	-3.472	192700.	-28.02
#3	-.0150	-3.548	-.5502	-3.794	194100.	-58.78

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	498600.	3.321	-24.23	-.3689	3.417	4.360
Stddev	5587.	.045	11.33	.4861	1.984	2.684
%RSD	1.120	1.356	46.76	131.8	58.06	61.55

#1	493400.	3.270	-36.81	-.6269	1.316	7.454
#2	497800.	3.354	-14.83	-.6716	3.676	2.660
#3	504500.	3.339	-21.05	.1917	5.259	2.966

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

Sample Name: icsa 4305090 Acquired: 4/13/2016 12:10:23 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3028	.7976	-22.12	-2.818	-7.417	-.9551
Stddev	3.852	.2604	.51	.695	.602	.4773
%RSD	1272.	32.65	2.320	24.68	8.117	49.98
#1	-8768	.5110	-22.70	-3.504	-7.231	-4086
#2	4.606	1.020	-21.95	-2.836	-8.090	-1.291
#3	-2.821	.8617	-21.72	-2.113	-6.929	-1.166

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.707	-1.648	-1.249	5.092
Stddev	.786	.174	.174	16.22
%RSD	21.21	10.55	13.89	318.5
#1	3.092	-1.483	-1.122	-10.78
#2	3.436	-1.829	-1.447	21.64
#3	4.593	-1.632	-1.179	4.416

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2905.6	36489.	5652.0
Stddev	18.2	293.	41.6
%RSD	.62680	.80250	.73622
#1	2926.0	36781.	5689.6
#2	2900.0	36493.	5659.2
#3	2890.9	36195.	5607.3

Sample Name: 460-111807-E-6-A Acquired: 4/13/2016 13:30:31 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.301	-1.870	.0614	.0860	.0009	1.064
Stddev	9.484	2.190	.2939	.0419	.0500	3.300
%RSD	729.0	117.1	478.8	48.78	5421.	310.0
#1	-7.812	-4.311	-.0869	.1319	-.0396	1.990
#2	.5993	-1.218	.3998	.0496	-.0144	3.803
#3	11.12	-.0794	-.1288	.0766	.0568	-2.600

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0935	-.0682	-.2919	-.0422	-.7428	-3.557
Stddev	.2395	.2781	.4641	.2444	9.227	25.48
%RSD	256.2	407.7	159.0	579.3	1242.	716.5
#1	-.3426	-.1901	-.7833	-.2396	-10.18	-25.42
#2	-.0730	.2500	.1389	.2312	8.262	24.43
#3	.1352	-.2646	-.2313	-.1182	-.3138	-9.679

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.062	.2198	106.6	.0849	.1157	1.008
Stddev	3.641	.0786	57.9	.0982	.4292	.139
%RSD	89.62	35.77	54.31	115.7	371.1	13.75
#1	5.245	.2675	173.4	.1230	.3754	1.097
#2	-.0227	.2629	72.74	-.0266	.3513	1.078
#3	6.965	.1291	73.55	.1584	-.3797	.8480

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

Sample Name: 460-111807-E-6-A Acquired: 4/13/2016 13:30:31 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.863	.2053	.0656	.5530	5.698	-.6063
Stddev	1.148	.3715	.3623	.3212	.436	.0701
%RSD	61.61	180.9	552.2	58.09	7.654	11.56
#1	-2.215	.3463	.0273	.9109	5.350	-.6143
#2	-2.795	-.2160	-.2760	.4585	5.557	-.5325
#3	-.5807	.4857	.4455	.2896	6.187	-.6720

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0745	.0691	-.1412	78.32
Stddev	.6135	.0892	.1154	11.55
%RSD	823.6	129.0	81.74	14.74
#1	-.7780	.1716	-.2197	91.62
#2	.2055	.0257	-.1952	70.85
#3	.3491	.0100	-.0087	72.49

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3189.3	40342.	5890.6
Stddev	4.4	214.	43.9
%RSD	.13784	.53133	.74594
#1	3186.0	40570.	5921.3
#2	3194.3	40311.	5910.2
#3	3187.5	40144.	5840.2

Sample Name: CCV Acquired: 4/13/2016 13:42:43 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123300.	2533.	1263.	10360.	1001.	128300.
Stddev	250.	3.	2.	8.	3.	373.
%RSD	.2029	.1316	.1741	.0752	.2556	.2910

#1	123200.	2533.	1261.	10360.	1000.	127900.
#2	123600.	2536.	1264.	10350.	1004.	128700.
#3	123100.	2529.	1264.	10360.	999.1	128400.

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	1278.	2555.	5157.	12770.	100800.	50040.
Stddev	2.	2.	10.	12.	225.	77.
%RSD	.1681	.0922	.1845	.0949	.2230	.1540

#1	1280.	2555.	5150.	12770.	100600.	49980.
#2	1276.	2553.	5168.	12780.	101000.	50130.
#3	1277.	2558.	5153.	12760.	100700.	50010.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125500.	5185.	123300.	2586.	7621.	1004.
Stddev	276.	7.	124.	4.	14.	2.
%RSD	.2195	.1399	.1008	.1685	.1893	.2432

#1	125200.	5176.	123100.	2591.	7635.	1004.
#2	125700.	5189.	123300.	2583.	7606.	1007.
#3	125600.	5189.	123300.	2584.	7624.	1002.

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

Sample Name: CCV Acquired: 4/13/2016 13:42:43 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2477.	2595.	2554.	2539.	1026.	2560.
Stddev	17.	5.	5.	7.	2.	.
%RSD	.6746	.1792	.1919	.2870	.1806	.0147

#1	2496.	2600.	2549.	2539.	1027.	2560.
#2	2465.	2595.	2558.	2531.	1026.	2561.
#3	2469.	2591.	2555.	2546.	1024.	2560.

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	1029.	5096.	10210.	9936.
Stddev	5.	9.	13.	115.
%RSD	.4477	.1713	.1286	1.153

#1	1034.	5090.	10190.	10020.
#2	1026.	5106.	10220.	9805.
#3	1026.	5092.	10210.	9983.

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	2941.5	37679.	5766.8
Stddev	8.3	120.	45.6
%RSD	.28100	.31847	.79011

#1	2935.4	37762.	5780.9
#2	2950.9	37541.	5715.9
#3	2938.1	37733.	5803.7

Sample Name: icsab 4305092 Acquired: 4/13/2016 12:14:40 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	526400.	98.86	108.5	103.8	101.3	520100.
Stddev	2912.	3.76	1.5	.3	.6	3532.
%RSD	.5532	3.806	1.359	.2614	.5716	.6792

#1	529300.	98.09	107.0	103.5	101.9	519900.
#2	526400.	102.9	109.9	103.8	101.3	516700.
#3	523400.	95.54	108.6	104.0	100.8	523800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	99.65	96.77	101.7	106.2	203400.	10500.
Stddev	.24	.43	.6	.7	332.	36.
%RSD	.2448	.4402	.6162	.6814	.1629	.3453

#1	99.37	96.37	101.0	105.5	203200.	10490.
#2	99.77	97.22	101.8	106.1	203300.	10540.
#3	99.82	96.73	102.3	107.0	203800.	10470.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	529000.	107.7	10620.	98.70	97.19	102.9
Stddev	2764.	.8	35.	.38	1.19	2.4
%RSD	.5226	.7179	.3258	.3890	1.226	2.360

#1	525900.	107.2	10650.	98.89	97.50	101.1
#2	531100.	107.3	10630.	98.26	95.87	101.9
#3	530100.	108.6	10580.	98.96	98.20	105.7

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

Sample Name: icsab 4305092 Acquired: 4/13/2016 12:14:40 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	100.5	96.58	80.07	94.93	94.37	98.75
Stddev	12.8	.68	.51	.71	.29	.20
%RSD	12.77	.7023	.6390	.7519	.3091	.2004
#1	86.28	95.83	80.04	94.34	94.12	98.97
#2	111.2	96.76	79.58	94.73	94.69	98.63
#3	103.9	97.15	80.60	95.72	94.29	98.64

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	102.2	102.4	104.4	64.36
Stddev	1.5	.2	.4	8.54
%RSD	1.452	.1554	.4304	13.27
#1	100.7	102.6	103.9	55.85
#2	103.6	102.4	104.8	72.93
#3	102.2	102.3	104.6	64.31

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2892.9	36569.	5731.6
Stddev	13.0	215.	98.7
%RSD	.44998	.58692	1.7213
#1	2905.7	36659.	5617.7
#2	2893.5	36725.	5787.6
#3	2879.7	36324.	5789.6

Sample Name: int-10a 4140672 Acquired: 4/13/2016 12:18:43 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.782	-1.040	.6906	10.07	2.981	13.15
Stddev	15.21	2.080	.4125	.03	.159	17.31
%RSD	263.0	200.0	59.73	.2963	5.342	131.6
#1	-7.348	-3.107	.4793	10.10	3.040	-.9702
#2	-20.15	-1.066	1.166	10.04	2.800	7.963
#3	10.15	1.053	.4265	10.06	3.102	32.47

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.746	10230.	-.1182	-.5192	-143.7	-15.80
Stddev	.080	9.	.5027	.0913	17.4	41.13
%RSD	4.562	.0878	425.3	17.58	12.09	260.3
#1	-1.741	10240.	-.5407	-.5364	-161.4	18.40
#2	-1.828	10220.	-.2516	-.6007	-143.1	-61.43
#3	-1.669	10230.	.4378	-.4206	-126.7	-4.372

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.60	-.2802	3.168	3.899	-5.826	-21.79
Stddev	23.91	.0510	8.650	.409	1.477	1.39
%RSD	97.22	18.21	273.1	10.48	25.36	6.373
#1	3.287	-.3129	12.87	4.232	-7.354	-23.37
#2	20.05	-.2214	-3.730	4.023	-5.718	-21.22
#3	50.46	-.3064	.3613	3.443	-4.405	-20.77

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

Sample Name: int-10a 4140672 Acquired: 4/13/2016 12:18:43 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.509	-12.44	F 9808.	-.1659	-7.081	-3.819
Stddev	1.820	1.41	13.	.1880	.523	.167
%RSD	120.6	11.32	.1281	113.3	7.393	4.378
#1	-.5014	-12.70	9811.	.0458	-7.367	-3.629
#2	3.046	-10.92	9818.	-.3132	-6.477	-3.883
#3	1.983	-13.71	9794.	-.2304	-7.400	-3.944
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	9796.	9661.	-.9448	8883.
Stddev	33.	75.	.0943	97.
%RSD	.3371	.7780	9.977	1.095
#1	9818.	9584.	-.9666	8993.
#2	9758.	9667.	-.8415	8808.
#3	9812.	9734.	-1.026	8848.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3164.3	39794.	5738.1
Stddev	11.8	298.	118.0
%RSD	.37217	.74824	2.0571
#1	3174.8	40135.	5870.4
#2	3166.6	39663.	5700.2
#3	3151.6	39584.	5643.6

Sample Name: int-10b 4140674 Acquired: 4/13/2016 12:22:51 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33.53	19.23	-7887	1.443	-7718	17.18
Stddev	19.13	.99	.5549	.027	.0664	16.81
%RSD	57.05	5.174	70.35	1.868	8.600	97.83

#1	11.98	18.21	-1.325	1.474	-.7482	-2.217
#2	40.10	20.20	-.8251	1.424	-.7205	26.32
#3	48.50	19.27	-.2165	1.430	-.8468	27.44

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5298	.9051	9391.	8893.	-34.18	-22.41
Stddev	.0826	.2552	8.	8.	8.31	12.21
%RSD	15.59	28.20	.0841	.0955	24.31	54.50

#1	-.5900	.6298	9397.	8901.	-39.03	-8.555
#2	-.4357	1.134	9382.	8894.	-24.59	-31.61
#3	-.5639	.9517	9395.	8884.	-38.93	-27.06

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-8.250	9502.	10.66	9784.	-9.322	7.778
Stddev	11.03	12.	8.21	39.	2.772	1.439
%RSD	133.7	.1261	77.03	.3993	29.74	18.50

#1	-19.16	9515.	19.83	9826.	-6.338	7.342
#2	2.888	9491.	8.167	9777.	-11.82	9.384
#3	-8.474	9499.	3.985	9749.	-9.810	6.607

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

Sample Name: int-10b 4140674 Acquired: 4/13/2016 12:22:51 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.817	1.300	12.17	1.912	-45.85	4605.
Stddev	.432	1.125	.19	.191	.79	15.
%RSD	7.429	86.57	1.535	9.999	1.733	.3170
#1	-6.199	.4468	11.98	1.987	-45.65	4622.
#2	-5.348	.8777	12.35	1.695	-45.17	4595.
#3	-5.906	2.575	12.17	2.055	-46.72	4598.

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7821	.3501	9128.	-23.92
Stddev	.7907	.1762	3.	4.65
%RSD	101.1	50.34	.0362	19.42
#1	.9600	.2238	9125.	-22.85
#2	1.469	.2751	9132.	-19.90
#3	-.0824	.5515	9127.	-29.01

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3102.7	39357.	5676.3
Stddev	4.0	120.	29.8
%RSD	.12834	.30444	.52506
#1	3098.7	39350.	5642.6
#2	3106.7	39480.	5698.9
#3	3102.8	39241.	5687.5

Sample Name: LCS 460-361685/2-A@2 Acquired: 4/13/2016 12:26:56 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2543.	2398.	249.9	5153.	509.6	10270.
Stddev	13.	6.	.4	7.	3.2	22.
%RSD	.5047	.2628	.1466	.1428	.6292	.2177

#1	2546.	2405.	249.4	5158.	505.9	10250.
#2	2554.	2396.	250.0	5157.	511.1	10270.
#3	2529.	2392.	250.1	5145.	511.7	10300.

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	535.1	547.1	2579.	508.9	506.4	9816.
Stddev	1.0	.7	6.	1.2	9.7	50.
%RSD	.1862	.1215	.2146	.2361	1.912	.5106

#1	535.1	547.8	2575.	507.9	505.3	9759.
#2	534.1	546.5	2576.	508.7	497.3	9852.
#3	536.1	547.1	2585.	510.2	516.6	9837.

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	9960.	548.6	9900.	551.3	2634.	489.5
Stddev	39.	1.4	25.	.2	1.	.2
%RSD	.3935	.2580	.2484	.0308	.0192	.0442

#1	9923.	547.1	9892.	551.3	2634.	489.7
#2	9957.	548.7	9880.	551.1	2634.	489.4
#3	10000.	550.0	9928.	551.5	2634.	489.3

Check ?	None	None	None	Chk Pass	Chk Pass	None
Value						
Range						

Sample Name: LCS 460-361685/2-A@2 Acquired: 4/13/2016 12:26:56 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	503.4	551.6	262.0	549.5	505.1	518.2
Stddev	3.1	3.3	.6	1.7	.2	1.4
%RSD	.6216	.6040	.2400	.3135	.0376	.2684

#1	503.2	552.0	261.5	548.7	505.3	519.7
#2	500.4	548.1	261.6	548.4	505.0	518.0
#3	506.7	554.7	262.7	551.5	505.0	517.0

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	501.0	514.7	518.7	48.04
Stddev	3.3	2.8	1.4	10.77
%RSD	.6658	.5507	.2727	22.42

#1	498.7	511.6	517.7	39.24
#2	499.4	515.2	518.0	60.06
#3	504.8	517.2	520.3	44.83

Check ?	None	None	None	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3147.8	39876.	5864.3
Stddev	7.1	147.	37.4
%RSD	.22407	.36826	.63715

#1	3142.2	39920.	5894.6
#2	3155.7	39995.	5875.7
#3	3145.6	39712.	5822.5

Sample Name: sample Acquired: 4/13/2016 12:30:40 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26610.	F 467.8	F 103.8	F 709.4	F 328.0	F 19470.
Stddev	126.	5.7	.3	2.0	.2	36.
%RSD	.4752	1.208	.2640	.2782	.0755	.1856

#1	26740.	463.6	104.1	707.4	328.2	19440.
#2	26490.	465.7	103.8	709.6	327.8	19460.
#3	26580.	474.2	103.5	711.3	328.2	19510.

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit		880.0	195.5	1225.	570.0	33800.
Low Limit		575.0	117.5	870.0	402.0	23050.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 305.5	F 564.8	F 512.0	F 578.2	58440.	F 7807.
Stddev	1.7	2.5	1.3	1.7	212.	16.
%RSD	.5641	.4374	.2583	.2869	.3624	.2019

#1	304.8	562.3	511.1	576.4	58620.	7819.
#2	304.2	565.0	511.3	579.6	58210.	7789.
#3	307.4	567.2	513.5	578.7	58490.	7812.

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Fail
High Limit	515.0	890.0	855.0	1020.		15400.
Low Limit	362.0	645.0	570.0	705.0		8600.

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 8694.	F 1119.	F 2783.	F 482.1	F 512.4	370.3
Stddev	31.	2.	12.	2.6	4.4	2.2
%RSD	.3561	.2066	.4145	.5457	.8678	.5949

#1	8669.	1116.	2796.	479.1	507.4	367.9
#2	8685.	1119.	2779.	483.3	513.9	370.7
#3	8729.	1121.	2774.	483.9	516.0	372.2

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass
High Limit	16300.	1835.	5500.	755.0	865.0	
Low Limit	10100.	1260.	3160.	535.0	595.0	

Sample Name: sample Acquired: 4/13/2016 12:30:40 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 590.3	F 516.5	406.2	F 687.8	F 453.2	F 424.0
Stddev	2.7	3.8	1.1	4.9	.9	2.2
%RSD	.4639	.7446	.2632	.7084	.1934	.5237

#1	591.4	514.9	406.0	683.9	452.8	421.5
#2	587.2	513.7	405.2	686.1	452.5	425.3
#3	592.4	520.9	407.3	693.2	454.2	425.4

Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit	1080.	855.0		1115.	800.0	705.0
Low Limit	700.0	560.0		795.0	459.0	457.5

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	594.3	F 349.5	1193.	2762.
Stddev	4.3	.8	2.	34.
%RSD	.7217	.2215	.1294	1.230

#1	591.0	348.9	1192.	2723.
#2	592.7	349.3	1193.	2789.
#3	599.2	350.4	1195.	2773.

Check ?	Chk Pass	Chk Fail	Chk Pass	None
High Limit		630.0		
Low Limit		423.0		

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3245.5	40610.	5992.5
Stddev	16.6	438.	117.8
%RSD	.51201	1.0788	1.9656

#1	3226.4	40111.	5856.8
#2	3255.8	40932.	6051.6
#3	3254.4	40786.	6069.0

Sample Name: MB 460-361769/1-A Acquired: 4/13/2016 12:34:25 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-8.625	-2.131	.3371	.0229	-.0580	-6.250
Stddev	24.35	.935	.1160	.1258	.1050	3.021
%RSD	282.3	43.86	34.40	549.9	181.1	48.33
#1	-36.29	-1.768	.4691	-.1220	.0051	-8.431
#2	.8794	-3.192	.2908	.0864	-.1792	-7.518
#3	9.539	-1.432	.2515	.1043	.0002	-2.802

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1000	.0147	-.3162	-.1938	-.4195	-25.54
Stddev	.0944	.1385	.5842	.2166	11.61	15.00
%RSD	94.40	939.7	184.7	111.8	2768.	58.72
#1	-.2018	-.1387	-.1482	-.4410	-13.63	-13.72
#2	-.0826	.1306	.1655	-.0373	8.163	-42.41
#3	-.0155	.0523	-.9661	-.1029	4.210	-20.49

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	2.558	-.0279	-3.289	-.1300	-.8241	1.112
Stddev	4.225	.0625	5.496	.2931	.1573	1.615
%RSD	165.1	224.0	167.1	225.4	19.08	145.2
#1	-1.656	.0316	3.033	.0289	-.8427	1.842
#2	6.793	-.0223	-5.967	-.4683	-.6584	2.233
#3	2.538	-.0930	-6.932	.0493	-.9712	-.7390

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

Sample Name: MB 460-361769/1-A Acquired: 4/13/2016 12:34:25 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.200	-.3459	-.0452	.5971	-.0864	-.3434
Stddev	2.885	1.300	.2671	.1286	.0890	.2975
%RSD	131.1	375.7	591.0	21.54	103.0	86.63
#1	-1.828	-.7626	-.3412	.7168	-.0974	-.2461
#2	-5.254	-1.386	.1779	.6134	-.1694	-.6774
#3	.4804	1.111	.0277	.4612	.0076	-.1068

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8704	.0223	-.0147	9.926
Stddev	.4904	.0920	.0859	9.113
%RSD	56.34	411.9	586.3	91.81
#1	.3095	-.0623	-.1111	15.53
#2	1.084	.0090	.0134	14.84
#3	1.218	.1202	.0537	-.5891

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	3147.9	39463.	5718.7
Stddev	19.9	97.	53.9
%RSD	.63084	.24633	.94243
#1	3167.7	39553.	5753.9
#2	3148.0	39476.	5745.6
#3	3128.0	39359.	5656.7

Sample Name: 460-111807-A-4-A DU Acquired: 4/13/2016 12:42:10 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25.45	-1.869	.0366	33.02	.0091	12640.
Stddev	3.38	.827	.4289	.12	.0785	82.
%RSD	13.29	44.25	1172.	.3689	861.2	.6500
#1	27.06	-.9740	.1474	32.93	-.0330	12560.
#2	21.56	-2.029	-.4368	32.97	.0996	12640.
#3	27.72	-2.605	.3993	33.16	-.0393	12720.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3767	.1053	.4398	.3141	-4.350	2405.
Stddev	.0584	.1174	.3694	.2660	1.502	7.
%RSD	15.51	111.5	84.00	84.68	34.52	.3116
#1	.3125	.1630	.3744	.6141	-3.203	2398.
#2	.3907	.1825	.1074	.1073	-3.797	2402.
#3	.4268	-.0298	.8375	.2208	-6.049	2413.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4553.	37.31	16770.	1.560	-3.371	-.1372
Stddev	33.	.17	51.	.235	.661	.8168
%RSD	.7201	.4521	.3024	15.09	19.60	595.3
#1	4523.	37.14	16820.	1.770	-3.723	-1.075
#2	4548.	37.31	16740.	1.305	-3.780	.2476
#3	4588.	37.47	16730.	1.604	-2.608	.4161

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

Sample Name: 460-111807-A-4-A DU Acquired: 4/13/2016 12:42:10 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3962	-.3820	-.0426	11.08	30.27	-.3090
Stddev	.9535	2.275	.0747	.19	.04	.1317
%RSD	240.7	595.7	175.2	1.758	.1438	42.61
#1	.0156	1.461	.0405	10.89	30.32	-.1608
#2	.2822	-2.925	-.0643	11.08	30.23	-.3537
#3	-1.486	.3179	-.1041	11.28	30.25	-.4126

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1171	69.50	.7811	5851.
Stddev	.9452	.45	.0863	42.
%RSD	807.0	.6542	11.04	.7150
#1	-.3609	69.99	.7706	5897.
#2	-.9166	69.09	.8722	5815.
#3	.9261	69.43	.7006	5842.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3136.3	39472.	5855.7
Stddev	7.4	193.	24.9
%RSD	.23706	.48779	.42467
#1	3144.3	39678.	5838.6
#2	3134.9	39296.	5884.2
#3	3129.7	39444.	5844.2

Sample Name: 460-111807-E-4-A Acquired: 4/13/2016 12:46:12 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.82	-4.370	.3686	32.75	-.0501	12590.
Stddev	8.15	1.728	.0298	.26	.0830	18.
%RSD	48.48	39.54	8.089	.8020	165.8	.1398
#1	21.75	-5.223	.3346	32.54	-.0900	12590.
#2	7.408	-5.506	.3810	32.66	.0454	12610.
#3	21.31	-2.381	.3902	33.04	-.1056	12580.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3609	.0937	.4442	.1947	5.881	2381.
Stddev	.1044	.3077	.3333	.3614	11.71	24.
%RSD	28.92	328.6	75.04	185.6	199.2	1.016
#1	.2956	-.2486	.7209	.3232	-1.160	2355.
#2	.4813	.3476	.5374	-.2134	-.5995	2402.
#3	.3059	.1820	.0742	.4744	19.40	2385.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4537.	36.99	16620.	1.061	-2.842	.2643
Stddev	10.	.13	57.	.163	1.921	.2580
%RSD	.2225	.3556	.3400	15.35	67.61	97.62
#1	4526.	36.86	16680.	1.244	-4.965	.5622
#2	4547.	37.12	16620.	.9337	-2.337	.1159
#3	4538.	36.98	16570.	1.004	-1.223	.1148

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

Sample Name: 460-111807-E-4-A Acquired: 4/13/2016 12:46:12 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.695	.2327	.0921	11.00	29.08	-.2946
Stddev	4.350	.7634	.2081	.16	.14	.3130
%RSD	256.6	328.1	226.0	1.423	.4930	106.3
#1	-.9668	.6941	.1620	11.10	28.91	-.4021
#2	-6.363	.6525	-.1420	10.82	29.15	.0580
#3	2.245	-.6485	.2561	11.09	29.17	-.5396

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3926	69.16	.6613	5801.
Stddev	.2947	.39	.0893	20.
%RSD	75.05	.5640	13.50	.3449
#1	-.0762	69.46	.6183	5780.
#2	-.4424	69.30	.6016	5803.
#3	-.6593	68.72	.7639	5820.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3135.6	39309.	5867.3
Stddev	13.4	134.	70.3
%RSD	.42828	.34188	1.1974
#1	3123.3	39154.	5789.4
#2	3149.9	39379.	5886.6
#3	3133.6	39395.	5925.9

Sample Name: CCB Acquired: 4/13/2016 12:53:57 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.594	-1.095	.1548	.6466	.0055	-12.22
Stddev	16.10	1.507	.3152	.7800	.0356	4.28
%RSD	447.9	137.7	203.7	120.6	642.6	35.03

#1	14.08	-1.186	-.2078	.1566	.0144	-7.477
#2	-17.42	-2.554	.3084	1.546	.0359	-13.39
#3	-7.452	.4562	.3637	.2371	-.0336	-15.79

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0590	.2231	-.1029	.2250	-1.910	21.36
Stddev	.0702	.2030	.6364	.1309	5.180	14.44
%RSD	119.0	91.00	618.7	58.17	271.2	67.59

#1	-.0845	-.0068	-.0420	.2335	3.849	6.073
#2	.0204	.2982	-.7676	.0901	-6.192	23.25
#3	-.1128	.3777	.5010	.3514	-3.387	34.76

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2481	-.0042	8.742	-.2035	.3525	.6511
Stddev	2.180	.0466	2.644	.5535	.9730	.7438
%RSD	878.7	1101.	30.24	272.0	276.0	114.2

#1	2.575	-.0404	6.071	-.3421	-.2570	-.1198
#2	-.0859	.0484	11.36	-.6745	-.1602	1.364
#3	-1.745	-.0207	8.798	.4061	1.475	.7087

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

Sample Name: CCB Acquired: 4/13/2016 12:53:57 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2130	1.394	-1936	-1207	.7491	.8435
Stddev	4.337	2.793	.4844	.1359	.2351	.1665
%RSD	2036.	200.3	250.2	112.6	31.38	19.74
#1	.3986	3.127	.3645	-.0554	.8591	.9973
#2	-4.823	2.883	-.5051	-.0298	.4792	.8664
#3	3.785	-1.827	-.4402	-.2770	.9091	.6667

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5192	.0630	.3605	16.03
Stddev	1.094	.0836	.1679	14.39
%RSD	210.7	132.8	46.59	89.76
#1	-.7405	.0255	.3869	-.4343
#2	1.066	.0046	.5136	26.19
#3	1.232	.1588	.1809	22.33

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	3122.6	38998.	5689.0
Stddev	17.6	196.	75.5
%RSD	.56399	.50237	1.3279
#1	3139.9	39194.	5771.4
#2	3104.7	38802.	5672.6
#3	3123.3	38998.	5623.0

Sample Name: CCVL Acquired: 4/13/2016 12:58:06 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	198.2	10.98	10.13	218.0	2.118	5298.
Stddev	29.0	1.18	.30	1.0	.014	21.
%RSD	14.62	10.71	3.003	.4382	.6502	.3961
#1	167.5	12.27	10.16	217.6	2.106	5275.
#2	202.1	10.69	9.810	219.1	2.133	5304.
#3	225.1	9.975	10.42	217.4	2.115	5316.

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	4.179	54.81	10.96	25.70	151.6	5009.
Stddev	.076	.14	.61	.13	10.4	43.
%RSD	1.825	.2527	5.572	.4896	6.862	.8502
#1	4.122	54.87	10.96	25.75	144.4	4974.
#2	4.149	54.90	10.35	25.79	163.5	4996.
#3	4.265	54.65	11.57	25.55	146.9	5056.

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	5071.	16.60	4992.	44.60	11.48	20.72
Stddev	21.	.17	32.	.78	1.94	1.85
%RSD	.4103	1.027	.6509	1.759	16.93	8.948
#1	5049.	16.47	4962.	45.17	12.10	19.28
#2	5074.	16.79	4987.	44.91	9.301	20.07
#3	5091.	16.54	5027.	43.70	13.04	22.82

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

Sample Name: CCVL Acquired: 4/13/2016 12:58:06 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.04	22.00	52.73	32.75	52.53	20.86
Stddev	1.31	.71	.54	.12	.96	.12
%RSD	7.280	3.240	1.022	.3734	1.829	.5845

#1	18.06	21.40	52.50	32.70	51.42	20.83
#2	16.71	21.82	52.34	32.89	53.09	20.75
#3	19.34	22.79	53.34	32.67	53.07	20.99

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	53.11	21.21	21.34	F 14.76
Stddev	.21	.14	.05	10.70
%RSD	.3960	.6424	.2166	72.50

#1	52.98	21.06	21.32	22.61
#2	53.35	21.22	21.30	19.12
#3	52.99	21.33	21.39	2.569

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	3114.5	39171.	5753.2
Stddev	9.4	124.	13.0
%RSD	.30331	.31744	.22525

#1	3125.3	39250.	5757.6
#2	3110.1	39235.	5763.4
#3	3108.0	39028.	5738.6

Sample Name: sd 460-111807-E-4-A Acquired: 4/13/2016 13:02:10 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.329	-2.345	.5583	6.026	-.0357	2336.
Stddev	14.04	1.025	.2173	.118	.0370	1.
%RSD	1056.	43.70	38.93	1.956	103.5	.0469
#1	-7.163	-2.998	.6691	6.058	-.0069	2336.
#2	-6.383	-1.164	.3079	6.125	-.0774	2337.
#3	17.53	-2.873	.6979	5.896	-.0228	2335.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0074	.1477	-.3865	-.0883	4.078	426.6
Stddev	.0815	.0655	.1262	.1532	5.522	14.3
%RSD	1096.	44.34	32.66	173.5	135.4	3.344
#1	.0388	.0953	-.4384	-.1762	10.30	426.7
#2	-.0851	.1267	-.2426	.0886	2.185	412.3
#3	.0686	.2211	-.4786	-.1771	-.2486	440.8

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	843.1	6.928	3107.	.2833	-.5756	.4035
Stddev	3.3	.056	9.	.2290	1.535	.4810
%RSD	.3968	.8136	.2767	80.84	266.8	119.2
#1	844.5	6.952	3102.	.5400	.3503	-.0546
#2	839.3	6.968	3102.	.0999	.2709	.9045
#3	845.6	6.863	3117.	.2100	-2.348	.3607

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

Sample Name: sd 460-111807-E-4-A Acquired: 4/13/2016 13:02:10 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8840	.3601	-.1179	2.634	4.766	-.2395
Stddev	.9012	.9426	.1019	.124	.405	.2499
%RSD	101.9	261.8	86.39	4.715	8.504	104.4
#1	-.8386	-.1602	-.0419	2.670	4.348	.0473
#2	-1.807	1.448	-.2337	2.737	5.158	-.3545
#3	-.0063	-.2077	-.0782	2.496	4.793	-.4111

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1360	13.05	.1202	1070.
Stddev	.8556	.06	.0764	6.
%RSD	629.3	.4755	63.57	.5494
#1	.6424	12.99	.1616	1074.
#2	-1.052	13.12	.1670	1063.
#3	.0017	13.05	.0320	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	3264.1	40900.	5972.5
Stddev	8.4	55.	18.9
%RSD	.25647	.13375	.31668
#1	3256.8	40837.	5957.3
#2	3262.3	40935.	5993.7
#3	3273.2	40929.	5966.5

Sample Name: 460-111807-E-4-B MS Acquired: 4/13/2016 13:06:14 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1951.	1861.	47.01	1977.	49.54	31280.
Stddev	25.	6.	.50	5.	.32	171.
%RSD	1.256	.3469	1.058	.2368	.6555	.5473

#1	1931.	1855.	47.36	1972.	49.19	31430.
#2	1979.	1861.	46.44	1977.	49.61	31310.
#3	1944.	1868.	47.22	1981.	49.83	31090.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.56	491.6	202.2	235.6	989.4	19810.
Stddev	.21	1.3	.9	1.6	4.5	71.
%RSD	.4231	.2725	.4607	.6771	.4587	.3560

#1	49.34	490.3	201.2	234.7	984.7	19730.
#2	49.60	491.5	202.6	234.7	993.8	19810.
#3	49.75	493.0	202.9	237.5	989.6	19870.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22940.	534.1	34970.	502.7	494.2	460.6
Stddev	45.	.7	157.	1.5	2.5	4.5
%RSD	.1974	.1331	.4483	.3019	.5048	.9664

#1	22940.	534.9	34830.	502.2	491.3	455.6
#2	22980.	534.0	34950.	501.5	495.2	462.3
#3	22890.	533.5	35140.	504.4	496.0	464.0

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

Sample Name: 460-111807-E-4-B MS Acquired: 4/13/2016 13:06:14 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1872.	2053.	492.5	514.1	508.0	480.4
Stddev	30.	14.	2.5	2.5	5.0	2.0
%RSD	1.586	.6715	.5016	.4863	.9875	.4224
#1	1840.	2038.	489.8	515.1	503.2	478.1
#2	1876.	2058.	493.3	516.0	507.6	481.0
#3	1898.	2064.	494.5	511.3	513.2	482.0

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	494.3	548.0	490.0	5684.
Stddev	1.6	2.5	1.5	38.
%RSD	.3186	.4647	.3054	.6764
#1	493.8	545.3	488.4	5666.
#2	493.0	548.4	490.3	5658.
#3	496.0	550.3	491.3	5729.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3167.3	39546.	5776.7
Stddev	14.8	288.	33.7
%RSD	.46673	.72817	.58269
#1	3159.7	39295.	5761.4
#2	3157.8	39483.	5753.4
#3	3184.3	39861.	5815.3

Sample Name: pds 460-111807-E-4-A Acquired: 4/13/2016 13:09:56 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1940.	1845.	46.20	1966.	48.77	30650.
Stddev	26.	11.	.33	17.	.51	179.
%RSD	1.322	.6189	.7240	.8460	1.055	.5824
#1	1968.	1858.	46.57	1985.	49.35	30830.
#2	1918.	1839.	46.10	1958.	48.38	30470.
#3	1933.	1837.	45.93	1955.	48.57	30660.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.07	488.6	199.5	235.6	974.1	19690.
Stddev	.35	3.5	2.6	2.1	5.2	145.
%RSD	.7130	.7198	1.292	.8848	.5292	.7354
#1	49.47	492.6	202.5	238.0	976.1	19860.
#2	48.85	486.7	197.6	234.2	968.3	19590.
#3	48.88	486.4	198.6	234.6	978.0	19630.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22520.	527.3	34610.	500.2	488.0	455.9
Stddev	133.	3.4	270.	3.6	3.5	2.2
%RSD	.5922	.6538	.7812	.7206	.7156	.4838
#1	22670.	531.2	34920.	504.3	492.0	458.4
#2	22430.	524.5	34440.	498.8	485.4	454.1
#3	22450.	526.2	34460.	497.5	486.7	455.3

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

Sample Name: pds 460-111807-E-4-A Acquired: 4/13/2016 13:09:56 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1863.	2038.	487.3	507.0	511.1	477.8
Stddev	17.	14.	4.6	3.9	2.6	3.9
%RSD	.8963	.7054	.9444	.7759	.5156	.8172

#1	1882.	2054.	492.6	511.5	514.1	482.3
#2	1852.	2034.	485.0	504.6	509.8	475.4
#3	1854.	2027.	484.4	504.8	509.3	475.6

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	488.4	545.2	485.3	5703.
Stddev	4.0	4.5	3.4	62.
%RSD	.8267	.8241	.6988	1.087

#1	493.0	550.3	489.2	5774.
#2	485.6	541.8	483.0	5664.
#3	486.5	543.4	483.7	5670.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3164.4	40103.	5925.4
Stddev	18.1	160.	30.3
%RSD	.57102	.39900	.51074

#1	3143.6	39918.	5894.1
#2	3174.3	40201.	5954.6
#3	3175.4	40189.	5927.5

Sample Name: 460-111807-E-1-A@2 Acquired: 4/13/2016 13:13:41 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	136.6	3.471	.3458	40.99	.0521	75680.
Stddev	20.7	1.819	.3518	.43	.0269	108.
%RSD	15.17	52.41	101.7	1.047	51.60	.1425

#1	156.5	2.137	.6071	41.24	.0214	75610.
#2	138.2	5.543	-.0542	41.24	.0713	75800.
#3	115.2	2.733	.4843	40.49	.0637	75620.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9362	2.551	4.359	-.7712	70810.	15700.
Stddev	.0491	.285	.307	.3947	257.	34.
%RSD	5.241	11.18	7.041	51.18	.3626	.2181

#1	-.9038	2.356	4.156	-1.203	70870.	15660.
#2	-.9926	2.418	4.712	-.4290	71030.	15720.
#3	-.9121	2.878	4.209	-.6815	70530.	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	96110.	F 10130.	F 396900.	4.883	-3.144	1.111
Stddev	95.	52.	2984.	.773	1.501	1.121
%RSD	.0985	.5089	.7519	15.82	47.75	100.8

#1	96080.	10140.	397300.	4.017	-3.973	-.0967
#2	96220.	10170.	393800.	5.500	-1.411	2.117
#3	96040.	10070.	399700.	5.133	-4.049	1.313

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.	250000.			
Low Limit		-15.00	-5000.			

Sample Name: 460-111807-E-1-A@2 Acquired: 4/13/2016 13:13:41 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.268	2.904	-1.146	10.52	172.5	2.171
Stddev	1.855	2.218	.267	.22	1.8	.212
%RSD	29.60	76.39	23.27	2.083	1.041	9.754
#1	7.289	.4623	-1.333	10.30	171.3	2.392
#2	4.126	4.795	-.8409	10.74	174.6	1.970
#3	7.387	3.453	-1.265	10.52	171.7	2.150

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	-.5027	752.1	2.365	11560.
Stddev	.5408	1.9	.129	49.
%RSD	107.6	.2564	5.453	.4270
#1	-.0637	749.9	2.507	11550.
#2	-1.107	753.6	2.256	11610.
#3	-.3375	752.8	2.331	11520.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3014.1	38371.	5883.9
Stddev	4.5	20.	21.9
%RSD	.15036	.05308	.37185
#1	3016.6	38391.	5858.9
#2	3008.8	38372.	5899.8
#3	3016.8	38350.	5893.0

Sample Name: 460-111807-E-3-A Acquired: 4/13/2016 13:22:07 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	155.0	2.731	.7561	55.41	.1044	74590.
Stddev	17.6	2.337	.4779	.15	.0894	441.
%RSD	11.37	85.59	63.21	.2655	85.62	.5905

#1	138.7	2.809	.2291	55.49	.1323	75070.
#2	152.7	.3554	.8779	55.50	.0044	74470.
#3	173.7	5.028	1.161	55.24	.1765	74210.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.787	50.05	1.619	1.930	6325.	16540.
Stddev	.097	.30	.289	.113	55.	40.
%RSD	5.452	.5914	17.87	5.827	.8627	.2417

#1	1.681	50.10	1.924	1.934	6385.	16540.
#2	1.873	50.31	1.584	2.040	6310.	16500.
#3	1.805	49.73	1.349	1.815	6279.	16580.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41400.	F 10730.	F 315100.	58.76	-8.996	-4.293
Stddev	108.	147.	3907.	.12	.659	1.977
%RSD	.2618	1.366	1.240	.2043	7.322	460.5

#1	41490.	10800.	310600.	58.84	-9.138	-2.697
#2	41280.	10830.	317600.	58.62	-8.277	.9354
#3	41430.	10560.	317100.	58.81	-9.571	.4733

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.	250000.			
Low Limit		-15.00	-5000.			

Sample Name: 460-111807-E-3-A Acquired: 4/13/2016 13:22:07 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.510	2.811	-0.2749	523.8	420.6	-0.0438
Stddev	1.747	.381	.4599	3.4	1.3	.2653
%RSD	115.7	13.55	167.3	.6581	.3162	606.4
#1	1.343	2.525	.0353	527.5	419.3	-.2372
#2	3.335	3.243	-.0568	523.2	422.0	.2587
#3	-.1481	2.664	-.8032	520.6	420.6	-.1528

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-0.2828	543.7	1.777	12840.
Stddev	.6481	1.3	.152	104.
%RSD	229.2	.2353	8.576	.8128
#1	.3277	545.1	1.631	12810.
#2	-.2131	542.5	1.935	12760.
#3	-.9629	543.5	1.764	12960.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3005.0	37442.	5546.1
Stddev	14.2	221.	58.3
%RSD	.47376	.59094	1.0520
#1	2990.9	37213.	5483.4
#2	3019.4	37457.	5556.3
#3	3004.8	37655.	5598.7

Sample Name: 460-111807-E-5-A@2 Acquired: 4/13/2016 13:26:21 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125.9	1.661	.2343	38.39	-.0339	71150.
Stddev	14.5	2.578	.2014	.06	.0894	175.
%RSD	11.50	155.2	85.93	.1496	263.4	.2455

#1	129.6	-1.282	.0278	38.45	-.0609	70990.
#2	138.1	2.744	.2452	38.34	.0658	71130.
#3	109.9	3.520	.4301	38.39	-.1067	71330.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.049	2.233	3.989	-.8881	66280.	14700.
Stddev	.187	.262	.759	.3038	287.	23.
%RSD	17.84	11.73	19.02	34.21	.4324	.1589

#1	-1.049	2.185	3.399	-1.235	65950.	14710.
#2	-1.237	2.516	4.845	-.6697	66430.	14720.
#3	-.8620	1.999	3.723	-.7595	66460.	14670.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	90690.	9627.	F 372200.	4.630	-2.896	-.3031
Stddev	448.	32.	1755.	.738	.796	.1978
%RSD	.4938	.3332	.4714	15.94	27.47	65.28

#1	90180.	9591.	372000.	3.779	-3.409	-.3040
#2	90910.	9637.	374000.	5.101	-3.299	-.5005
#3	90990.	9653.	370500.	5.009	-1.980	-.1048

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

Sample Name: 460-111807-E-5-A@2 Acquired: 4/13/2016 13:26:21 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.203	2.648	-1.140	9.981	161.2	1.811
Stddev	1.373	.801	.462	.238	1.4	.458
%RSD	19.06	30.27	40.49	2.388	.8868	25.27
#1	6.473	3.561	-1.271	9.752	161.3	1.333
#2	6.349	2.322	-.6274	9.963	159.7	1.854
#3	8.786	2.061	-1.523	10.23	162.5	2.245

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.7880	701.5	2.281	10740.
Stddev	.3695	.6	.262	82.
%RSD	46.89	.0789	11.48	.7672
#1	-1.200	701.3	2.445	10740.
#2	-.4860	701.0	1.979	10660.
#3	-.6781	702.1	2.419	10820.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3016.3	38167.	5884.2
Stddev	12.2	128.	48.0
%RSD	.40590	.33517	.81495
#1	3017.7	38314.	5872.2
#2	3027.7	38083.	5843.5
#3	3003.4	38104.	5937.1

Sample Name: 460-109943-F-1-B Acquired: 4/13/2016 13:34:37 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32.71	-1.370	-.0567	43.47	.0912	16220.
Stddev	9.63	.477	.3858	.15	.1248	37.
%RSD	29.45	34.79	680.4	.3417	136.7	.2294
#1	37.86	-1.899	-.0465	43.32	-.0524	16260.
#2	38.67	-.9738	-.4475	43.47	.1536	16190.
#3	21.60	-1.238	.3239	43.61	.1725	16210.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1559	.0865	.4355	.4280	-1.624	1928.
Stddev	.1348	.0987	.3572	.2186	1.933	31.
%RSD	86.49	114.1	82.00	51.07	119.0	1.587
#1	-.3045	-.0115	.0275	.6738	.6075	1953.
#2	-.1215	.1858	.6913	.3548	-2.777	1894.
#3	-.0415	.0852	.5879	.2554	-2.704	1937.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4455.	1.059	34220.	8.833	-3.119	-.0351
Stddev	30.	.055	56.	.274	1.537	.7674
%RSD	.6639	5.155	.1627	3.106	49.30	2188.
#1	4473.	1.108	34170.	9.092	-4.175	.8377
#2	4421.	.9999	34280.	8.546	-3.826	-.3385
#3	4471.	1.068	34210.	8.860	-1.355	-.6044

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

Sample Name: 460-109943-F-1-B Acquired: 4/13/2016 13:34:37 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.032	.4152	.3551	3.959	22.51	.3655
Stddev	.506	1.445	.1728	.104	.21	.0233
%RSD	24.91	348.1	48.68	2.628	.9220	6.388
#1	-2.245	-1.175	.2180	4.046	22.51	.3904
#2	-1.454	.7723	.2979	3.844	22.30	.3622
#3	-2.397	1.648	.5492	3.988	22.71	.3440

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0048	88.87	.8076	3979.
Stddev	.4144	.51	.0741	21.
%RSD	8560.	.5742	9.175	.5231
#1	.4111	88.46	.7977	3995.
#2	-.4178	88.70	.7389	3987.
#3	-.0078	89.44	.8861	3956.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3142.6	39949.	5945.0
Stddev	4.2	60.	23.4
%RSD	.13380	.14946	.39408
#1	3147.0	39951.	5971.5
#2	3138.7	40007.	5936.5
#3	3142.2	39888.	5926.9

Sample Name: 460-109943-F-2-B Acquired: 4/13/2016 13:38:39 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54.25	-1.306	.1925	42.27	.0221	18950.
Stddev	11.43	.824	.4767	.35	.0286	87.
%RSD	21.08	63.09	247.6	.8194	129.1	.4601
#1	51.03	-2.225	-.2715	41.90	.0342	19050.
#2	44.77	-1.063	.6810	42.33	.0426	18890.
#3	66.95	-.6311	.1681	42.59	-.0105	18910.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1364	1.256	4.120	1.216	-3.339	15860.
Stddev	.1127	.162	.359	.089	8.816	51.
%RSD	82.62	12.86	8.723	7.307	264.0	.3210
#1	.2663	1.342	4.442	1.223	-9.325	15800.
#2	.0788	1.356	3.732	1.301	-7.478	15900.
#3	.0642	1.069	4.187	1.123	6.785	15870.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3502.	941.5	42350.	15.02	-4.862	1.417
Stddev	15.	2.3	129.	.23	1.818	.753
%RSD	.4257	.2437	.3055	1.514	37.40	53.10
#1	3515.	944.0	42200.	15.11	-6.687	2.193
#2	3486.	939.6	42440.	14.76	-3.051	1.370
#3	3506.	940.7	42400.	15.19	-4.847	.6897

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

Sample Name: 460-109943-F-2-B Acquired: 4/13/2016 13:38:39 Type: Unk
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8323	-.2694	1.086	45.84	44.23	-.5893
Stddev	1.902	.3574	.248	.32	.43	.1493
%RSD	228.6	132.6	22.87	.7036	.9730	25.33
#1	2.051	-.1350	1.182	46.08	43.82	-.4745
#2	-1.360	-.6745	1.272	45.47	44.67	-.7581
#3	1.806	.0013	.8040	45.97	44.19	-.5354

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1418	81.83	1.071	5947.
Stddev	.4369	.18	.118	17.
%RSD	308.2	.2256	11.04	.2842
#1	-.3627	81.61	1.207	5936.
#2	.3866	81.94	1.004	5966.
#3	.4014	81.93	1.001	5938.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3098.6	39347.	5874.7
Stddev	9.8	288.	37.0
%RSD	.31579	.73237	.62993
#1	3091.5	39030.	5838.7
#2	3094.5	39419.	5872.9
#3	3109.7	39592.	5912.6

Sample Name: CCB Acquired: 4/13/2016 13:46:23 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.767	-.3292	.4248	.3032	-.0391	-16.64
Stddev	2.971	2.474	.2870	.0761	.0130	1.20
%RSD	107.3	751.6	67.57	25.10	33.33	7.220

#1	-2.772	.1095	.7201	.3819	-.0498	-16.11
#2	-5.736	1.896	.1468	.2300	-.0246	-18.02
#3	.2054	-2.993	.4075	.2978	-.0429	-15.80

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0741	.0315	-.2628	-.2488	-11.51	-5.633
Stddev	.0960	.0796	.1546	.2853	9.45	14.13
%RSD	129.5	253.0	58.83	114.6	82.10	250.9

#1	.0253	-.0602	-.1570	-.5015	-.6351	-10.20
#2	-.1663	.0711	-.4403	.0606	-16.18	10.22
#3	-.0815	.0834	-.1912	-.3057	-17.72	-16.92

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.714	-.0156	22.81	-.0806	-1.328	1.892
Stddev	2.022	.0391	3.67	.1686	1.026	1.059
%RSD	54.46	250.2	16.08	209.2	77.27	55.97

#1	5.805	.0173	26.68	-.2667	-1.980	1.475
#2	3.568	-.0053	22.39	-.0372	-1.858	1.105
#3	1.768	-.0588	19.38	.0621	-1.1452	3.096

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

Sample Name: CCB Acquired: 4/13/2016 13:46:23 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7184	-.0916	-.2231	-.2633	.3010	.8387
Stddev	3.096	.8189	.0773	.3602	.2403	.4340
%RSD	430.9	893.5	34.65	136.8	79.85	51.74
#1	.5876	.8265	-.1345	-.1412	.3877	1.317
#2	-4.253	-.3551	-.2581	-.6687	.0293	.7300
#3	1.510	-.7464	-.2767	.0201	.4859	.4693

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8098	.0981	.3702	14.17
Stddev	.6081	.0797	.1210	8.39
%RSD	75.09	81.27	32.68	59.21
#1	-1.210	.1726	.3105	6.274
#2	-1.109	.0141	.2906	22.98
#3	-.1101	.1075	.5094	13.25

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	3098.3	38751.	5654.3
Stddev	12.1	366.	73.8
%RSD	.38902	.94571	1.3050
#1	3112.2	39149.	5730.3
#2	3090.4	38678.	5649.7
#3	3092.3	38427.	5582.9

Sample Name: CCVL Acquired: 4/13/2016 13:50:30 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	208.1	14.50	10.46	214.7	2.031	5225.
Stddev	9.8	3.34	.71	.4	.048	13.
%RSD	4.713	23.02	6.837	.1731	2.353	.2540

#1	209.9	14.09	10.97	214.5	1.978	5235.
#2	197.5	11.38	9.639	214.6	2.072	5210.
#3	216.8	18.02	10.76	215.1	2.042	5230.

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	4.095	53.73	10.54	25.06	156.8	4904.
Stddev	.133	.52	.37	.20	5.2	13.
%RSD	3.242	.9617	3.526	.7890	3.293	.2628

#1	4.160	53.32	10.82	25.01	151.4	4901.
#2	4.182	53.55	10.69	24.90	161.7	4893.
#3	3.942	54.31	10.12	25.28	157.2	4918.

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	4949.	16.40	4875.	44.29	11.82	19.94
Stddev	17.	.08	25.	.39	1.01	.52
%RSD	.3381	.4981	.5028	.8780	8.542	2.592

#1	4930.	16.36	4846.	44.64	10.66	20.23
#2	4955.	16.50	4887.	43.87	12.35	19.34
#3	4961.	16.35	4890.	44.37	12.47	20.25

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

Sample Name: CCVL Acquired: 4/13/2016 13:50:30 Type: QC
Method: sw04052016(v6) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.37	19.21	52.21	31.97	50.53	20.31
Stddev	.68	.79	.80	.28	.66	.13
%RSD	3.515	4.112	1.534	.8660	1.304	.6580

#1	19.27	19.80	51.47	32.07	49.97	20.42
#2	20.10	19.52	52.11	31.66	51.26	20.16
#3	18.75	18.31	53.06	32.18	50.37	20.35

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	52.19	20.73	20.70	F 22.23
Stddev	.43	.09	.16	3.26
%RSD	.8249	.4486	.7508	14.68

#1	51.82	20.69	20.65	25.99
#2	52.09	20.83	20.88	20.20
#3	52.66	20.66	20.58	20.49

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	3132.0	39381.	5789.0
Stddev	23.9	136.	33.0
%RSD	.76250	.34423	.57005

#1	3158.4	39439.	5800.6
#2	3125.7	39477.	5814.6
#3	3111.9	39226.	5751.8

Sample Name: LCSSRM 460-362066/2- Acquired: 4/13/2016 14:05:49 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35830.	713.4	151.6	1159.	495.0	28650.
Stddev	489.	10.5	.6	9.	8.9	64.
%RSD	1.366	1.477	.3750	.7909	1.800	.2240

#1	35290.	702.8	151.3	1150.	485.2	28570.
#2	35960.	713.6	151.2	1158.	497.3	28680.
#3	36240.	723.9	152.2	1168.	502.5	28690.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	461.8	838.7	753.3	883.2	75620.	11070.
Stddev	5.0	6.2	5.8	4.9	871.	130.
%RSD	1.078	.7405	.7732	.5579	1.152	1.178

#1	456.8	832.3	746.6	879.1	74630.	10920.
#2	461.7	838.9	756.1	881.8	75940.	11140.
#3	466.8	844.8	757.1	888.6	76270.	11140.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12290.	F 1855.	4060.	719.4	791.3	425.5
Stddev	45.	9.	46.	7.9	9.0	4.9
%RSD	.3651	.4776	1.131	1.095	1.137	1.141

#1	12240.	1846.	4010.	711.6	781.9	420.7
#2	12300.	1855.	4069.	719.1	792.2	425.4
#3	12320.	1863.	4101.	727.4	799.8	430.4

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		1835.				
Low Limit		1260.				

Sample Name: LCSSRM 460-362066/2- Acquired: 4/13/2016 14:05:49 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	885.5	790.5	587.5	1015.	655.3	612.0
Stddev	9.1	5.8	4.4	12.	6.8	5.5
%RSD	1.026	.7370	.7495	1.134	1.034	.9019
#1	875.2	785.1	582.9	1003.	648.0	606.3
#2	892.6	789.7	587.9	1015.	656.6	612.4
#3	888.6	796.7	591.7	1026.	661.4	617.3

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	776.3	537.6	1469.	2195.
Stddev	6.5	6.5	13.	45.
%RSD	.8329	1.201	.8903	2.032
#1	769.7	530.4	1455.	2167.
#2	776.6	539.2	1471.	2173.
#3	782.6	543.0	1481.	2247.

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	3246.7	41011.	6104.0
Stddev	8.5	171.	34.5
%RSD	.26195	.41740	.56549
#1	3255.7	40842.	6127.4
#2	3245.6	41007.	6064.3
#3	3238.8	41184.	6120.2

Sample Name: 460-111807-E-1-A@5 Acquired: 4/13/2016 14:09:37 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.38	.5712	.6628	17.07	.0267	30950.
Stddev	7.35	.4069	.3697	.93	.0606	1944.
%RSD	14.58	71.23	55.78	5.451	226.7	6.282

#1	58.38	1.034	1.039	16.16	.0922	28930.
#2	43.93	.4080	.2999	17.03	.0152	31110.
#3	48.84	.2713	.6497	18.02	-.0272	32800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5941	1.357	2.110	-.2129	29480.	6132.
Stddev	.1622	.233	.627	.6440	1837.	426.
%RSD	27.30	17.18	29.72	302.4	6.232	6.941

#1	-.5383	1.093	2.582	.1032	27590.	5710.
#2	-.7768	1.537	2.349	.2119	29570.	6124.
#3	-.4671	1.439	1.398	-.9539	31260.	6561.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38610.	4277.	158200.	1.595	-2.105	-.0992
Stddev	2523.	271.	11330.	.487	1.564	.4120
%RSD	6.533	6.332	7.163	30.52	74.29	415.5

#1	36000.	3997.	146800.	1.033	-3.817	.3756
#2	38800.	4295.	158300.	1.893	-.7532	-.3626
#3	41040.	4538.	169500.	1.860	-1.744	-.3104

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

Sample Name: 460-111807-E-1-A@5 Acquired: 4/13/2016 14:09:37 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4839	2.163	-.4443	4.404	70.96	.5980
Stddev	1.477	1.342	.1885	.381	4.58	.0975
%RSD	305.3	62.03	42.43	8.650	6.457	16.31
#1	1.263	.7210	-.2631	3.967	66.33	.5663
#2	-1.220	3.374	-.4305	4.573	71.06	.7075
#3	1.409	2.393	-.6393	4.670	75.49	.5203

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0582	300.6	1.811	4447.
Stddev	.6138	20.4	.138	331.
%RSD	1054.	6.793	7.634	7.443
#1	-.2257	279.9	1.966	4121.
#2	-.3622	301.2	1.766	4437.
#3	.7626	320.8	1.701	4783.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3071.1	38536.	5780.0
Stddev	20.0	118.	10.3
%RSD	.65253	.30519	.17776
#1	3092.4	38629.	5771.1
#2	3068.4	38404.	5791.3
#3	3052.6	38576.	5777.8

Sample Name: 460-111807-E-5-A@5 Acquired: 4/13/2016 14:21:50 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38.94	-.2329	.5663	15.71	.0075	29120.
Stddev	14.85	.6628	.1875	.24	.0970	101.
%RSD	38.14	284.6	33.10	1.536	1295.	.3460

#1	23.53	-.4844	.7537	15.60	.0519	29230.
#2	40.13	.5189	.3788	15.54	.0743	29120.
#3	53.16	-.7331	.5666	15.99	-.1037	29020.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5853	1.245	1.920	-.6182	27230.	5808.
Stddev	.1869	.241	.318	.0869	38.	45.
%RSD	31.94	19.33	16.56	14.06	.1407	.7662

#1	-.7937	.9803	2.180	-.7123	27270.	5815.
#2	-.5301	1.450	2.013	-.5410	27190.	5761.
#3	-.4323	1.306	1.566	-.6013	27220.	5849.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36160.	4008.	148400.	1.755	.7620	.2483
Stddev	97.	10.	428.	.259	1.369	.7140
%RSD	.2694	.2428	.2884	14.73	179.6	287.6

#1	36190.	4018.	148000.	1.864	2.333	.2973
#2	36230.	4009.	148400.	1.941	.1255	-.4890
#3	36050.	3998.	148900.	1.460	-.1725	.9365

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

Sample Name: 460-111807-E-5-A@5 Acquired: 4/13/2016 14:21:50 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.367	.6986	-.4369	4.057	64.47	.3641
Stddev	4.554	2.015	.4094	.080	.58	.3178
%RSD	333.2	288.5	93.69	1.965	.9002	87.29
#1	5.065	3.022	-.0491	4.148	63.88	.0144
#2	-3.719	-.5794	-.8649	4.026	64.48	.6353
#3	2.754	-.3466	-.3968	3.998	65.04	.4426

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4696	283.4	1.341	4205.
Stddev	1.151	.8	.120	76.
%RSD	245.1	.2803	8.912	1.804
#1	-1.112	282.8	1.438	4125.
#2	.8593	283.2	1.378	4213.
#3	-1.156	284.3	1.208	4276.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3130.8	39281.	5944.5
Stddev	15.3	184.	72.4
%RSD	.49005	.46958	1.2171
#1	3138.4	39068.	5863.1
#2	3140.8	39387.	5969.1
#3	3113.1	39388.	6001.4

Sample Name: 460-111807-E-2-A@5 Acquired: 4/13/2016 14:13:41 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	97.66	1.055	.4642	37.23	.0541	28700.
Stddev	11.97	1.701	.1754	.07	.0814	83.
%RSD	12.26	161.1	37.78	.1989	150.3	.2904
#1	91.47	-.1832	.6169	37.14	.1077	28640.
#2	111.5	2.995	.5031	37.28	.0941	28680.
#3	90.05	.3550	.2726	37.27	-.0395	28800.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6487	.3847	2.380	-.5476	37410.	4885.
Stddev	.0143	.1557	.275	.3115	179.	39.
%RSD	2.200	40.48	11.56	56.88	.4773	.7930
#1	-.6337	.4322	2.256	-.5605	37510.	4886.
#2	-.6622	.2107	2.189	-.2299	37510.	4923.
#3	-.6503	.5111	2.696	-.8525	37200.	4846.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35540.	2187.	150100.	2.124	-2.423	1.399
Stddev	90.	5.	1451.	.444	2.267	.520
%RSD	.2523	.2184	.9672	20.90	93.59	37.18
#1	35640.	2182.	150500.	2.115	-1.683	.9720
#2	35490.	2188.	151200.	2.572	-4.967	1.979
#3	35470.	2192.	148400.	1.684	-.6175	1.247

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

Sample Name: 460-111807-E-2-A@5 Acquired: 4/13/2016 14:13:41 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3186	.6073	-.4193	15.00	73.89	.2357
Stddev	1.706	.6178	.2843	.07	.32	.1663
%RSD	535.6	101.7	67.80	.4828	.4308	70.55
#1	1.425	1.255	-.1918	15.04	73.84	.0539
#2	1.177	.5419	-.7381	14.92	73.59	.2731
#3	-1.646	.0248	-.3281	15.05	74.23	.3801

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3770	290.0	4.527	5619.
Stddev	1.424	2.2	.685	9.
%RSD	377.9	.7491	15.13	.1678
#1	1.308	289.9	4.169	5613.
#2	1.086	292.2	4.095	5630.
#3	-1.263	287.8	5.316	5613.

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

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3058.7	38799.	5777.4
Stddev	3.7	86.	19.1
%RSD	.11935	.22099	.33032
#1	3056.5	38897.	5798.8
#2	3062.9	38742.	5771.0
#3	3056.8	38757.	5762.3

Sample Name: 460-111935-A-1-B@10 Acquired: 4/13/2016 14:37:49 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46360.	-1.640	-1.097	472.0	2.454	1071.
Stddev	212.	.9449	.289	.4	.165	8.
%RSD	.4580	576.2	26.32	.0906	6.719	.7714

#1	46240.	.6018	-1.038	471.7	2.565	1062.
#2	46610.	-1.220	-1.411	471.9	2.264	1079.
#3	46250.	.1261	-.8429	472.5	2.532	1072.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.733	30.85	133.3	57.35	111200.	24990.
Stddev	.073	.33	1.1	.20	604.	63.
%RSD	4.235	1.060	.8121	.3567	.5431	.2522

#1	-1.803	30.48	132.1	57.30	110500.	24960.
#2	-1.739	31.00	133.7	57.17	111600.	25070.
#3	-1.657	31.08	134.1	57.57	111400.	24950.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17420.	1131.	393.8	53.34	34.76	.9881
Stddev	71.	3.	3.2	.42	.40	1.873
%RSD	.4090	.2590	.8021	.7845	1.157	189.5

#1	17380.	1128.	390.2	52.90	34.31	-.4867
#2	17370.	1131.	395.3	53.74	35.10	3.095
#3	17500.	1134.	395.9	53.38	34.86	.3561

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

Sample Name: 460-111935-A-1-B@10 Acquired: 4/13/2016 14:37:49 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.234	-3.459	229.6	136.4	-4.532	.6832
Stddev	.828	1.759	1.2	.6	.199	.0838
%RSD	10.05	50.85	.5405	.4220	4.386	12.26
#1	8.993	-2.903	228.1	135.9	-4.569	.7798
#2	8.358	-2.046	230.2	136.3	-4.709	.6389
#3	7.351	-5.430	230.4	137.0	-4.317	.6309

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.635	17.70	6902.	819.3
Stddev	.431	.16	12.	16.0
%RSD	7.653	.9144	.1712	1.958
#1	6.133	17.88	6888.	805.1
#2	5.414	17.56	6905.	816.1
#3	5.360	17.66	6911.	836.7

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	3268.8	41188.	6137.9
Stddev	13.0	249.	45.3
%RSD	.39797	.60449	.73851
#1	3281.0	41466.	6185.5
#2	3270.3	41114.	6095.2
#3	3255.1	40985.	6133.0

Sample Name: 460-111807-E-3-A@5 Acquired: 4/13/2016 14:17:44 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.21	-.4765	.3784	11.66	.0943	15510.
Stddev	13.18	2.218	.2820	.06	.0564	84.
%RSD	68.59	465.6	74.51	.5278	59.81	.5435

#1	26.70	.1654	.1958	11.68	.0298	15450.
#2	3.997	-2.945	.7032	11.70	.1345	15470.
#3	26.94	1.350	.2363	11.59	.1186	15610.

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

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3285	10.46	.1215	-.1040	1442.	3304.
Stddev	.0947	.12	.2537	.3498	9.	23.
%RSD	28.82	1.181	208.8	336.2	.6556	.7079

#1	.3171	10.34	.2423	-.2595	1437.	3329.
#2	.4284	10.58	.2921	.2965	1436.	3299.
#3	.2401	10.46	-.1700	-.3491	1453.	3283.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8623.	2290.	62890.	12.49	-2.495	.4592
Stddev	57.	9.	213.	.22	.843	.3133
%RSD	.6581	.3821	.3391	1.756	33.79	68.24

#1	8577.	2286.	63130.	12.69	-2.816	.4944
#2	8605.	2285.	62810.	12.53	-1.539	.1297
#3	8686.	2300.	62730.	12.26	-3.131	.7534

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

Sample Name: 460-111807-E-3-A@5 Acquired: 4/13/2016 14:17:44 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.168	1.258	-1.644	108.7	86.94	-.4278
Stddev	.966	1.258	.2048	.2	.39	.2150
%RSD	82.65	100.0	124.6	.2058	.4468	50.26
#1	-1.846	2.037	.0212	108.6	86.86	-.3548
#2	-1.597	1.931	-.3841	108.5	86.59	-.2587
#3	-.0626	-.1939	-.1302	108.9	87.36	-.6698

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

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1719	113.8	.8017	2601.
Stddev	.7165	.4	.1054	37.
%RSD	416.9	.3279	13.15	1.417
#1	-.6462	114.2	.6959	2640.
#2	.6523	113.8	.9068	2598.
#3	-.5217	113.4	.8025	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	3109.4	38803.	5762.6
Stddev	5.1	250.	32.8
%RSD	.16330	.64550	.56887
#1	3108.0	39089.	5789.7
#2	3105.2	38692.	5726.2
#3	3115.0	38626.	5771.9

Sample Name: CCV Acquired: 4/13/2016 14:45:46 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120300.	2492.	1238.	10180.	977.0	126000.
Stddev	161.	7.	2.	39.	2.1	807.
%RSD	.1335	.2919	.1955	.3798	.2125	.6407

#1	120300.	2497.	1238.	10160.	974.9	125400.
#2	120100.	2484.	1236.	10160.	976.9	125600.
#3	120500.	2495.	1241.	10230.	979.1	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	1254.	2509.	5063.	12530.	98700.	48980.
Stddev	4.	4.	35.	19.	471.	75.
%RSD	.2989	.1564	.6983	.1536	.4776	.1527

#1	1252.	2506.	5042.	12550.	98640.	48930.
#2	1251.	2508.	5043.	12530.	98270.	48950.
#3	1258.	2514.	5104.	12510.	99210.	49070.

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

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123100.	5091.	120300.	2543.	7448.	981.9
Stddev	114.	18.	172.	8.	13.	3.5
%RSD	.0927	.3439	.1433	.3153	.1703	.3556

#1	123200.	5084.	120400.	2537.	7454.	979.8
#2	123000.	5077.	120200.	2539.	7434.	986.0
#3	123200.	5110.	120100.	2552.	7457.	980.1

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

Sample Name: CCV Acquired: 4/13/2016 14:45:46 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2423.	2551.	2505.	2483.	1009.	2517.
Stddev	12.	14.	7.	11.	1.	7.
%RSD	.5056	.5544	.2897	.4615	.0703	.2852
#1	2436.	2564.	2503.	2478.	1010.	2513.
#2	2420.	2536.	2499.	2474.	1009.	2513.
#3	2412.	2553.	2513.	2496.	1009.	2526.

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	1012.	4989.	10010.	9738.
Stddev	3.	7.	39.	73.
%RSD	.3284	.1421	.3907	.7534
#1	1012.	4981.	10000.	9799.
#2	1009.	4993.	9976.	9759.
#3	1015.	4994.	10050.	9657.

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	2991.7	38204.	5886.3
Stddev	14.7	287.	64.9
%RSD	.49188	.75048	1.1030
#1	2997.8	38330.	5910.1
#2	3002.4	38407.	5935.9
#3	2974.9	37876.	5812.8

Sample Name: CCVL Acquired: 4/13/2016 14:53:38 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	196.9	12.14	9.691	211.9	1.990	5139.
Stddev	4.1	3.41	.290	1.1	.112	8.
%RSD	2.095	28.09	2.990	.5222	5.622	.1538

#1	200.6	10.28	9.986	211.2	1.873	5134.
#2	192.5	16.07	9.407	211.3	2.002	5148.
#3	197.5	10.06	9.679	213.2	2.096	5134.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.996	52.88	10.25	24.36	164.1	4818.
Stddev	.063	.20	.68	.28	2.3	18.
%RSD	1.567	.3768	6.598	1.162	1.423	.3811

#1	4.046	52.67	9.470	24.04	163.8	4824.
#2	3.926	53.07	10.68	24.58	161.9	4832.
#3	4.016	52.91	10.60	24.47	166.6	4797.

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	4807.	16.13	4716.	43.25	10.72	20.30
Stddev	29.	.11	31.	.36	2.06	.70
%RSD	.6132	.6594	.6618	.8327	19.22	3.429

#1	4781.	16.03	4715.	43.17	8.434	19.74
#2	4801.	16.11	4686.	42.94	12.43	21.08
#3	4839.	16.24	4749.	43.65	11.30	20.07

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/13/2016 14:53:38 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.09	21.53	51.05	31.21	49.91	19.87
Stddev	4.07	1.29	.51	.21	.16	.07
%RSD	26.99	5.993	.9982	.6764	.3133	.3415
#1	17.95	22.06	50.86	31.14	49.83	19.82
#2	10.43	22.48	51.63	31.44	50.10	19.83
#3	16.88	20.06	50.67	31.04	49.82	19.95

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	50.83	20.36	20.31	F 4.931
Stddev	.14	.09	.14	.228
%RSD	.2763	.4621	.6959	4.631
#1	50.94	20.43	20.18	4.708
#2	50.67	20.40	20.46	5.165
#3	50.87	20.25	20.28	4.920

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	3189.6	40068.	5937.7
Stddev	7.5	223.	87.7
%RSD	.23535	.55667	1.4772
#1	3198.2	40194.	6000.8
#2	3186.0	40201.	5974.9
#3	3184.6	39811.	5837.6

Sample Name: 460-112001-B-2-A@4 Acquired: 4/13/2016 15:09:15 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45640.	19.05	-5905	168.6	1.688	4831.
Stddev	310.	2.35	.3558	.7	.084	17.
%RSD	.6790	12.34	60.26	.4103	4.988	.3580
#1	45300.	21.54	-.9738	167.9	1.784	4822.
#2	45900.	16.87	-.2708	169.3	1.625	4821.
#3	45720.	18.73	-.5268	168.5	1.656	4851.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1745	30.11	88.94	64.45	77250.	1606.
Stddev	.0765	.03	1.13	.23	511.	50.
%RSD	43.87	.0955	1.271	.3528	.6620	3.099
#1	.1992	30.14	88.22	64.22	76720.	1553.
#2	.2356	30.11	88.36	64.47	77290.	1652.
#3	.0886	30.08	90.24	64.67	77740.	1614.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7171.	1334.	164.9	76.74	66.44	2.369
Stddev	17.	5.	6.1	.48	1.82	.825
%RSD	.2425	.3571	3.690	.6251	2.746	34.80
#1	7151.	1331.	166.6	76.38	64.35	2.933
#2	7182.	1332.	170.0	76.55	67.71	1.423
#3	7179.	1340.	158.2	77.29	67.26	2.753

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-112001-B-2-A@4 Acquired: 4/13/2016 15:09:15 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.213	-1.506	83.21	425.7	2.527	1.721
Stddev	2.527	1.728	.48	2.1	.490	.290
%RSD	35.03	114.7	.5755	.4843	19.41	16.84
#1	9.320	-2.783	82.68	424.0	1.978	1.527
#2	4.412	-2.196	83.33	425.2	2.921	2.054
#3	7.907	.4598	83.61	428.0	2.683	1.581

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.946	36.17	990.6	1077.
Stddev	.564	.17	2.2	3.
%RSD	19.13	.4639	.2239	.2777
#1	3.562	36.01	988.4	1080.
#2	2.457	36.34	990.5	1074.
#3	2.818	36.16	992.8	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	3229.4	40248.	6016.8
Stddev	11.4	95.	40.0
%RSD	.35338	.23504	.66502
#1	3230.4	40295.	6062.1
#2	3240.2	40309.	6001.9
#3	3217.5	40139.	5986.3

Sample Name: 460-112001-A-4-A@4 Acquired: 4/13/2016 15:17:12 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50330.	25.24	-.2201	229.1	1.792	5766.
Stddev	478.	2.33	.1846	1.6	.036	56.
%RSD	.9504	9.225	83.85	.7056	2.032	.9640

#1	49850.	27.70	-.2394	227.5	1.809	5708.
#2	50340.	23.07	-.0267	229.0	1.750	5769.
#3	50810.	24.94	-.3943	230.7	1.816	5819.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.037	28.66	73.86	66.24	70880.	1531.
Stddev	.154	.14	.62	.22	394.	25.
%RSD	14.88	.4831	.8381	.3353	.5561	1.659

#1	1.195	28.74	73.42	66.08	70450.	1505.
#2	.8866	28.51	73.59	66.16	70980.	1556.
#3	1.031	28.75	74.57	66.50	71220.	1533.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7604.	1125.	111.9	57.57	548.0	2.339
Stddev	40.	8.	.5	.44	5.4	1.961
%RSD	.5309	.6960	.4213	.7593	.9775	83.83

#1	7560.	1118.	112.4	57.13	544.2	2.573
#2	7612.	1125.	112.0	57.59	545.6	.2717
#3	7639.	1133.	111.5	58.00	554.1	4.173

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-112001-A-4-A@4 Acquired: 4/13/2016 15:17:12 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.800	-1.257	88.71	494.5	3.912	1.661
Stddev	1.437	1.000	.36	3.6	.238	.129
%RSD	21.13	79.55	.4024	.7239	6.094	7.776
#1	5.420	-.6216	88.38	491.3	3.676	1.595
#2	8.287	-2.409	88.67	493.9	4.152	1.578
#3	6.693	-.7394	89.09	498.3	3.908	1.810

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.965	36.15	883.0	1137.
Stddev	.566	.29	5.8	6.
%RSD	11.40	.7989	.6516	.5545
#1	4.447	35.94	877.1	1144.
#2	4.879	36.02	883.4	1131.
#3	5.569	36.48	888.6	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	3224.2	40521.	6082.3
Stddev	4.8	33.	35.0
%RSD	.15008	.08173	.57495
#1	3226.3	40521.	6112.8
#2	3227.6	40555.	6044.1
#3	3218.6	40489.	6090.1

Sample Name: 460-111932-D-21-A@4 Acquired: 4/13/2016 15:25:04 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40170.	63.11	-0.091	311.7	1.916	7271.
Stddev	351.	.96	.1879	1.7	.010	55.
%RSD	.8739	1.526	189.6	.5504	.5163	.7584
#1	39950.	62.95	.1126	309.8	1.927	7208.
#2	39990.	64.15	-.2463	311.9	1.910	7292.
#3	40570.	62.24	-.1636	313.2	1.910	7312.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1200	44.10	113.3	141.1	78190.	1887.
Stddev	.0874	.06	.5	.9	565.	28.
%RSD	72.86	.1349	.4109	.6081	.7231	1.466
#1	-.1636	44.07	112.9	140.2	77570.	1901.
#2	-.0193	44.17	113.2	141.1	78320.	1855.
#3	-.1769	44.06	113.8	141.9	78670.	1905.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6868.	968.9	278.2	56.09	587.1	2.947
Stddev	51.	6.6	2.5	.32	.9	.854
%RSD	.7385	.6839	.8925	.5690	.1599	28.98
#1	6810.	961.5	281.0	56.01	587.0	3.678
#2	6887.	970.8	277.1	55.81	586.2	2.008
#3	6906.	974.3	276.4	56.44	588.1	3.154

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111932-D-21-A@4 Acquired: 4/13/2016 15:25:04 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.065	-2.143	129.9	534.7	5.700	3.268
Stddev	3.447	1.946	1.1	.5	.221	.322
%RSD	56.84	90.79	.8637	.0853	3.868	9.859
#1	4.445	-4.282	128.7	534.3	5.953	3.214
#2	3.726	-1.667	130.1	534.6	5.547	2.976
#3	10.02	-.4792	130.9	535.2	5.601	3.614

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	17.10	26.60	1138.	1431.
Stddev	.74	.36	6.	16.
%RSD	4.353	1.346	.4989	1.095
#1	17.72	26.44	1132.	1417.
#2	17.30	26.35	1138.	1448.
#3	16.27	27.01	1143.	1428.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3268.4	41064.	6153.9
Stddev	17.9	191.	55.0
%RSD	.54681	.46578	.89362
#1	3248.7	41282.	6174.8
#2	3272.9	40921.	6195.3
#3	3283.6	40990.	6091.5

Sample Name: 460-111972-E-1-B@4 Acquired: 4/13/2016 15:33:04 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8230.	32.86	-.1950	32.88	.4097	820.4
Stddev	67.	2.81	.2443	.23	.0789	8.4
%RSD	.8132	8.549	125.3	.6908	19.26	1.022

#1	8157.	30.24	.0406	32.62	.4969	810.8
#2	8244.	32.49	-.4472	33.04	.3887	826.2
#3	8289.	35.83	-.1783	32.97	.3434	824.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5381	1.190	29.28	10.06	22420.	1965.
Stddev	.0542	.213	.82	.20	161.	14.
%RSD	10.08	17.90	2.798	2.016	.7184	.7259

#1	-.6006	1.006	28.37	10.28	22230.	1948.
#2	-.5037	1.142	29.95	9.876	22480.	1973.
#3	-.5101	1.424	29.53	10.03	22530.	1972.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	870.5	35.02	191.1	3.784	17.50	2.441
Stddev	8.3	.48	6.3	.190	1.31	.993
%RSD	.9510	1.366	3.280	5.032	7.501	40.67

#1	861.0	34.50	184.0	3.732	17.97	1.815
#2	874.5	35.11	193.6	3.995	16.01	3.585
#3	876.1	35.45	195.7	3.625	18.51	1.922

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111972-E-1-B@4 Acquired: 4/13/2016 15:33:04 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9847	-.7154	33.69	21.66	6.565	1.025
Stddev	1.927	.9614	.15	.04	.101	.285
%RSD	195.7	134.4	.4511	.2011	1.533	27.78
#1	-.5892	-.4523	33.85	21.62	6.527	.7901
#2	.4098	-1.781	33.56	21.65	6.489	.9427
#3	3.133	.0870	33.65	21.70	6.680	1.341

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.9445	12.27	158.1	1446.
Stddev	.9191	.10	1.0	5.
%RSD	97.30	.8092	.6454	.3176
#1	.2218	12.20	156.9	1444.
#2	.6329	12.38	158.6	1443.
#3	1.979	12.23	158.8	1451.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3200.2	40377.	6015.9
Stddev	8.8	87.	23.8
%RSD	.27629	.21659	.39637
#1	3193.9	40400.	6034.8
#2	3196.4	40281.	6023.9
#3	3210.3	40451.	5989.1

Sample Name: MB 460-362272/1-A@2 Acquired: 4/13/2016 14:25:54 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.633	-.7329	.4241	.0373	-.0053	-15.33
Stddev	2.629	.5022	.1995	.1202	.0188	.68
%RSD	46.67	68.53	47.03	322.6	355.2	4.415

#1	-6.636	-1.157	.4899	.0029	.0061	-14.58
#2	-7.612	-.8639	.2000	.1709	-.0270	-15.91
#3	-2.650	-.1781	.5823	-.0620	.0050	-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	-.1635	-.0202	-.0760	-.1931	-3.909	28.88
Stddev	.0503	.0778	.3755	.1177	6.140	40.50
%RSD	30.74	385.6	493.8	60.94	157.1	140.2

#1	-.1838	.0617	.0051	-.0687	3.067	69.44
#2	-.2005	-.0291	-.4854	-.3026	-8.495	-11.56
#3	-.1063	-.0931	.2522	-.2079	-6.297	28.75

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.940	.0691	34.78	-.2144	-.9623	1.031
Stddev	4.106	.0060	7.66	.3286	.3387	1.408
%RSD	211.6	8.659	22.04	153.2	35.20	136.5

#1	4.583	.0622	43.60	.0489	-1.293	2.544
#2	4.028	.0718	31.01	-.1096	-.6157	-.2404
#3	-2.790	.0732	29.73	-.5826	-.9787	.7899

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-362272/1-A@2 Acquired: 4/13/2016 14:25:54 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {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	-.7456	.0668	.4821	-.8392	-.5643
Stddev	.827	.4757	.3010	.2569	.6011	.3359
%RSD	20.99	63.80	450.7	53.29	71.63	59.53
#1	-4.630	-.7822	.2973	.6450	-.1901	-.8660
#2	-4.164	-.2526	-.2738	.6153	-1.377	-.2023
#3	-3.023	-1.202	.1768	.1860	-.9507	-.6247

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6055	-.0226	-.2368	2.196
Stddev	.4007	.1260	.1190	14.05
%RSD	66.18	558.3	50.26	639.6
#1	-.1441	.1051	-.2376	-13.25
#2	-.8656	-.0260	-.3555	5.641
#3	-.8068	-.1468	-.1174	14.20

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3184.0	40095.	5831.4
Stddev	14.1	226.	9.3
%RSD	.44152	.56343	.15920
#1	3196.8	40351.	5840.8
#2	3186.4	39922.	5831.1
#3	3169.0	40012.	5822.3

Sample Name: LCSSRM 460-362272/2- Acquired: 4/13/2016 14:30:02 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34780.	660.3	137.3	1005.	456.6	27800.
Stddev	28.	3.6	.6	2.	1.3	109.
%RSD	.0794	.5445	.4278	.1704	.2745	.3928

#1	34810.	656.3	136.7	1005.	458.0	27680.
#2	34780.	661.8	137.8	1007.	456.3	27860.
#3	34750.	663.0	137.4	1004.	455.5	27880.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	438.2	803.5	709.4	822.0	67760.	10440.
Stddev	.2	2.6	3.6	1.2	140.	38.
%RSD	.0373	.3237	.5061	.1502	.2066	.3672

#1	438.4	800.6	705.4	820.8	67750.	10400.
#2	438.1	804.6	710.4	823.2	67910.	10450.
#3	438.1	805.4	712.4	822.1	67630.	10470.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11740.	1561.	3920.	689.4	709.8	436.1
Stddev	47.	5.	20.	.6	2.9	.4
%RSD	.3979	.2946	.5119	.0936	.4042	.0901

#1	11690.	1555.	3900.	688.9	706.4	435.7
#2	11760.	1563.	3940.	689.2	711.5	436.0
#3	11770.	1563.	3921.	690.2	711.3	436.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCSSRM 460-362272/2- Acquired: 4/13/2016 14:30:02 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	819.2	723.9	538.8	947.6	640.0	586.9
Stddev	4.3	7.6	1.3	2.5	1.1	1.4
%RSD	.5275	1.047	.2426	.2636	.1662	.2358
#1	815.3	717.8	537.7	945.5	639.3	585.3
#2	818.6	721.4	540.2	947.0	639.5	587.9
#3	823.9	732.4	538.4	950.4	641.2	587.5

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	691.8	502.1	1539.	2806.
Stddev	4.7	1.3	2.	15.
%RSD	.6860	.2673	.1334	.5315
#1	686.4	500.8	1536.	2800.
#2	693.6	502.1	1540.	2794.
#3	695.4	503.4	1540.	2822.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3279.6	41313.	6164.2
Stddev	9.9	246.	36.8
%RSD	.30291	.59587	.59619
#1	3268.4	41053.	6122.1
#2	3283.3	41343.	6181.0
#3	3287.2	41542.	6189.5

Sample Name: 460-111935-A-1-C DU Acquired: 4/13/2016 14:33:51 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45970.	-2.586	-1.305	471.7	2.540	1075.
Stddev	284.	.670	.387	3.5	.107	13.
%RSD	.6173	25.90	29.67	.7516	4.197	1.177
#1	45650.	-2.861	-1.694	467.8	2.423	1065.
#2	46140.	-3.074	-.9198	472.5	2.567	1089.
#3	46130.	-1.822	-1.302	474.7	2.631	1071.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.943	30.81	132.4	57.37	110600.	24880.
Stddev	.137	.11	.1	.62	568.	173.
%RSD	7.055	.3440	.0860	1.081	.5133	.6933
#1	-1.787	30.69	132.6	56.94	109900.	24720.
#2	-2.041	30.89	132.3	57.08	111000.	24870.
#3	-2.002	30.85	132.4	58.08	110800.	25060.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17410.	1129.	393.6	52.74	33.16	2.592
Stddev	107.	6.	8.1	.28	2.64	.282
%RSD	.6161	.5535	2.061	.5340	7.953	10.87
#1	17290.	1122.	398.2	52.50	33.90	2.758
#2	17420.	1131.	384.3	53.05	35.35	2.751
#3	17510.	1134.	398.5	52.67	30.23	2.267

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111935-A-1-C DU Acquired: 4/13/2016 14:33:51 Type: Unk
 Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.726	-4.497	228.9	135.8	-4.429	.9845
Stddev	3.635	2.993	1.6	.5	.085	.1528
%RSD	97.54	665.5	.6935	.3844	1.925	15.53
#1	7.528	1.312	227.1	135.3	-4.525	.9875
#2	3.366	-3.906	229.5	135.8	-4.401	1.136
#3	.2850	1.245	230.0	136.4	-4.361	.8301

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.082	17.60	6879.	811.9
Stddev	.569	.12	44.	17.2
%RSD	9.359	.6603	.6406	2.117
#1	5.660	17.48	6830.	824.2
#2	5.857	17.60	6890.	792.2
#3	6.730	17.71	6916.	819.3

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	3292.2	41186.	6155.8
Stddev	12.0	412.	123.6
%RSD	.36371	1.0001	2.0073
#1	3278.9	40997.	6106.5
#2	3295.4	40901.	6064.5
#3	3302.2	41658.	6296.4

Sample Name: sd 460-111935-A-1-B Acquired: 4/13/2016 14:41:45 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9176.	-1.758	-.4530	94.37	.4537	200.0
Stddev	39.	1.373	.1021	.55	.0521	7.1
%RSD	.4200	78.08	22.55	.5794	11.48	3.540
#1	9210.	-.8476	-.3763	94.98	.3989	201.4
#2	9134.	-3.337	-.4138	94.19	.4599	192.3
#3	9185.	-1.090	-.5690	93.93	.5025	206.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5867	6.095	26.25	11.23	22240.	4976.
Stddev	.0499	.335	.20	.22	137.	2.
%RSD	8.512	5.495	.7594	1.948	.6148	.0487
#1	-.5336	6.479	26.31	11.11	22380.	4979.
#2	-.6327	5.858	26.03	11.48	22110.	4976.
#3	-.5938	5.949	26.42	11.09	22220.	4974.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3494.	228.3	75.47	10.47	6.246	.8113
Stddev	11.	1.0	3.29	.14	.291	.6302
%RSD	.3169	.4250	4.356	1.337	4.656	77.68
#1	3494.	228.6	78.30	10.49	6.508	1.412
#2	3483.	227.2	71.86	10.61	6.297	.8670
#3	3505.	229.1	76.25	10.33	5.933	.1551

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-111935-A-1-B Acquired: 4/13/2016 14:41:45 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1232	-.0209	45.19	27.37	-1.868	-.3576
Stddev	2.339	1.905	.27	.07	.119	.0752
%RSD	1898.	9104.	.6058	.2598	6.361	21.02
#1	-.3336	.4339	45.36	27.33	-2.000	-.2715
#2	-1.953	-2.112	45.33	27.33	-1.769	-.3912
#3	2.657	1.615	44.87	27.45	-1.836	-.4100

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.136	3.522	1359.	162.3
Stddev	.555	.036	5.	18.4
%RSD	48.83	1.015	.3333	11.35
#1	.9859	3.526	1364.	153.9
#2	1.751	3.485	1355.	183.4
#3	.6724	3.556	1359.	149.5

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	3218.6	40420.	5988.1
Stddev	.2	98.	25.9
%RSD	.00622	.24207	.43326
#1	3218.4	40335.	5959.1
#2	3218.8	40527.	6009.2
#3	3218.6	40397.	5995.9

Sample Name: CCB Acquired: 4/13/2016 14:49:30 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-8.993	-2.790	-.2643	.1728	-.0267	-23.46
Stddev	2.441	2.047	.4482	.0431	.0793	1.42
%RSD	27.15	73.37	169.6	24.95	297.5	6.063
#1	-6.175	-4.398	.2018	.1450	-.1086	-25.11
#2	-10.33	-3.485	-.6921	.2225	.0497	-22.64
#3	-10.48	-.4857	-.3026	.1510	-.0210	-22.65

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0393	.0308	.3301	-.4769	-6.527	4.962
Stddev	.0932	.1190	.3892	.1910	5.614	52.20
%RSD	237.2	386.4	117.9	40.05	86.01	1052.
#1	-.1264	.0907	.4529	-.3557	-11.20	64.93
#2	-.0504	.1079	-.1056	-.6970	-.2997	-19.74
#3	.0590	-.1062	.6432	-.3779	-8.082	-30.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.394	.0395	10.06	-.3134	-.6877	.1978
Stddev	5.385	.0223	5.89	.3408	2.260	2.215
%RSD	122.6	56.53	58.56	108.7	328.6	1120.
#1	10.48	.0495	15.99	-.1173	-1.666	-1.331
#2	.2336	.0551	4.206	-.1160	-2.294	-.8134
#3	2.471	.0139	9.995	-.7069	1.896	2.738

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/13/2016 14:49:30 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8873	-.2393	.2150	-.1109	.0720	.4737
Stddev	2.563	.3783	.3273	.0676	.5262	.6633
%RSD	288.9	158.1	152.2	60.98	730.9	140.0
#1	2.064	.1966	.2034	-.1602	-.3615	1.239
#2	-2.552	-.4323	.5480	-.1388	.6574	.0761
#3	-2.175	-.4823	-.1063	-.0338	-.0799	.1056

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0566	.0594	.3227	1.823
Stddev	.8783	.0594	.1186	14.30
%RSD	1552.	100.1	36.74	784.3
#1	.0731	.0120	.4084	4.502
#2	.9265	.0401	.3724	14.60
#3	-.8299	.1261	.1874	-13.63

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	3175.7	39663.	5844.6
Stddev	7.1	128.	35.2
%RSD	.22471	.32358	.60159
#1	3168.1	39747.	5840.2
#2	3182.3	39727.	5881.7
#3	3176.7	39515.	5811.8

Sample Name: 460-111935-A-1-D MS Acquired: 4/13/2016 14:57:41 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48010.	334.9	7.369	842.8	11.77	4840.
Stddev	1364.	10.2	.119	18.5	.26	149.
%RSD	2.841	3.049	1.613	2.196	2.243	3.075
#1	46650.	323.9	7.247	824.5	11.46	4693.
#2	47990.	336.9	7.377	842.4	11.92	4836.
#3	49380.	344.0	7.484	861.5	11.92	4991.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.916	127.5	164.0	105.0	106500.	28470.
Stddev	.147	3.1	4.9	3.5	2872.	786.
%RSD	1.862	2.443	3.000	3.309	2.697	2.761
#1	7.755	124.2	159.3	101.3	103400.	27680.
#2	8.043	127.6	163.7	105.5	106800.	28480.
#3	7.950	130.5	169.1	108.1	109100.	29250.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20920.	1220.	3867.	155.1	128.1	35.23
Stddev	594.	35.	110.	3.5	4.6	1.33
%RSD	2.842	2.869	2.848	2.259	3.571	3.779
#1	20280.	1184.	3760.	151.3	123.0	34.12
#2	21010.	1222.	3861.	155.6	129.3	36.71
#3	21460.	1254.	3980.	158.3	132.0	34.87

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111935-A-1-D MS Acquired: 4/13/2016 14:57:41 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	328.5	395.4	318.8	230.2	88.74	87.29
Stddev	10.7	9.2	9.9	5.4	2.00	1.88
%RSD	3.254	2.326	3.116	2.346	2.258	2.157
#1	316.1	387.0	308.4	224.0	86.43	85.31
#2	335.0	394.0	319.9	232.8	89.80	87.50
#3	334.3	405.2	328.2	233.8	89.99	89.05

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	89.16	110.5	6960.	940.5
Stddev	3.81	3.1	191.	14.0
%RSD	4.279	2.826	2.751	1.490
#1	85.19	107.3	6759.	924.9
#2	89.50	110.8	6981.	944.4
#3	92.79	113.5	7140.	952.1

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	3233.1	40612.	6068.1
Stddev	25.6	79.	11.8
%RSD	.79191	.19453	.19370
#1	3234.0	40697.	6076.3
#2	3207.1	40598.	6073.5
#3	3258.2	40541.	6054.7

Sample Name: pds 460-111935-A-1-B Acquired: 4/13/2016 15:01:33 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45020.	1797.	43.80	2365.	48.73	19750.
Stddev	2473.	7.	.72	35.	.48	201.
%RSD	5.494	.4108	1.651	1.474	.9877	1.016

#1	42600.	1789.	43.46	2331.	48.21	19550.
#2	44910.	1797.	43.31	2362.	48.82	19750.
#3	47540.	1804.	44.63	2401.	49.16	19950.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45.47	504.4	325.7	287.7	105700.	40370.
Stddev	.36	3.9	8.5	4.9	5471.	1339.
%RSD	.7987	.7769	2.616	1.689	5.174	3.316

#1	45.08	500.6	318.5	283.7	100400.	39070.
#2	45.52	504.1	323.6	286.4	105600.	40310.
#3	45.80	508.4	335.1	293.1	111300.	41740.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34090.	1557.	17770.	539.6	498.8	436.7
Stddev	953.	61.	152.	3.9	5.5	2.2
%RSD	2.794	3.930	.8578	.7310	1.107	.5009

#1	33150.	1497.	17620.	535.2	492.6	434.3
#2	34050.	1555.	17760.	541.0	500.9	438.7
#3	35060.	1619.	17930.	542.7	503.0	437.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-111935-A-1-B Acquired: 4/13/2016 15:01:33 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1754.	1946.	694.5	603.6	468.0	466.6
Stddev	12.	15.	14.9	10.6	2.1	3.8
%RSD	.6622	.7885	2.143	1.757	.4418	.8183
#1	1741.	1929.	681.3	592.4	466.3	462.7
#2	1756.	1952.	691.7	605.1	467.3	466.8
#3	1764.	1958.	710.7	613.4	470.3	470.3

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	479.5	478.2	7032.	784.9
Stddev	4.0	3.7	351.	50.4
%RSD	.8445	.7798	4.989	6.419
#1	476.2	474.8	6686.	734.3
#2	478.3	477.6	7021.	785.4
#3	484.0	482.2	7388.	835.1

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	3171.5	39729.	5969.7
Stddev	5.8	83.	39.9
%RSD	.18148	.21000	.66786
#1	3178.1	39806.	6013.1
#2	3167.5	39741.	5961.5
#3	3168.9	39640.	5934.7

Sample Name: 460-112001-B-1-A@4 Acquired: 4/13/2016 15:05:18 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46060.	27.72	-.0708	240.2	1.702	5306.
Stddev	126.	.96	.2802	.7	.022	25.
%RSD	.2741	3.457	395.7	.2905	1.308	.4630

#1	46210.	27.97	-.3178	239.4	1.676	5287.
#2	46000.	28.53	-.1282	240.6	1.713	5297.
#3	45980.	26.66	.2336	240.7	1.717	5334.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.660	21.74	69.29	70.19	67700.	1462.
Stddev	.030	.16	.51	.18	107.	24.
%RSD	1.117	.7521	.7404	.2517	.1587	1.639

#1	2.636	21.86	68.90	70.02	67810.	1487.
#2	2.651	21.55	69.09	70.18	67590.	1440.
#3	2.693	21.79	69.87	70.37	67710.	1458.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6494.	1124.	120.0	54.89	113.4	1.023
Stddev	19.	1.	6.9	.15	2.4	.749
%RSD	.2897	.1242	5.769	.2761	2.135	73.19

#1	6482.	1123.	127.5	54.90	116.1	.5107
#2	6484.	1122.	118.9	54.73	112.7	1.883
#3	6516.	1125.	113.8	55.03	111.4	.6762

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-112001-B-1-A@4 Acquired: 4/13/2016 15:05:18 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.702	-1.590	84.83	380.3	3.511	1.854
Stddev	2.241	.559	.16	1.3	.058	.240
%RSD	82.95	35.15	.1921	.3408	1.644	12.92
#1	5.036	-.9447	84.96	379.2	3.527	1.869
#2	.5663	-1.917	84.88	380.0	3.447	2.086
#3	2.504	-1.909	84.65	381.7	3.559	1.608

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.529	38.71	864.1	1269.
Stddev	1.003	.04	.3	7.
%RSD	22.15	.1112	.0300	.5155
#1	5.626	38.67	863.9	1266.
#2	3.658	38.71	864.2	1277.
#3	4.303	38.76	864.4	1265.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3252.2	40883.	6192.8
Stddev	28.5	424.	85.7
%RSD	.87724	1.0373	1.3842
#1	3219.5	40394.	6094.6
#2	3264.8	41112.	6231.2
#3	3272.2	41144.	6252.6

Sample Name: 460-112001-B-3-A@4 Acquired: 4/13/2016 15:13:13 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45340.	16.12	-7358	276.2	1.763	4590.
Stddev	208.	2.63	.1815	.5	.036	21.
%RSD	.4590	16.29	24.66	.1747	2.027	.4514

#1	45490.	19.15	-.5366	276.5	1.764	4568.
#2	45100.	14.80	-.7789	275.6	1.798	4609.
#3	45420.	14.42	-.8917	276.4	1.727	4593.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5135	23.12	70.35	48.93	63790.	1583.
Stddev	.0609	.16	1.40	.39	183.	16.
%RSD	11.87	.6760	1.987	.7989	.2863	1.000

#1	.4496	23.27	68.81	49.05	63580.	1565.
#2	.5199	22.96	70.69	48.49	63830.	1594.
#3	.5709	23.14	71.54	49.25	63940.	1591.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7041.	966.4	113.7	65.86	276.2	2.758
Stddev	38.	4.6	3.7	.43	.7	1.090
%RSD	.5348	.4811	3.278	.6536	.2617	39.53

#1	6998.	962.0	116.5	66.21	275.7	2.499
#2	7056.	965.9	115.2	65.38	275.8	3.955
#3	7069.	971.2	109.5	65.99	277.0	1.821

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-112001-B-3-A@4 Acquired: 4/13/2016 15:13:13 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.724	-2.266	80.10	548.2	3.830	1.473
Stddev	3.149	1.196	.50	1.1	.355	.354
%RSD	66.67	52.79	.6290	.2030	9.267	24.06

#1	2.593	-1.092	79.55	549.4	3.721	1.678
#2	8.341	-2.223	80.54	547.6	4.226	1.064
#3	3.237	-3.484	80.21	547.4	3.542	1.676

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.721	35.49	950.4	1027.
Stddev	.689	.19	3.0	21.
%RSD	18.52	.5488	.3175	2.091

#1	3.916	35.46	947.2	1005.
#2	2.955	35.32	950.8	1047.
#3	4.292	35.70	953.2	1030.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3253.6	40860.	6109.6
Stddev	10.7	98.	39.5
%RSD	.32901	.23951	.64611

#1	3242.9	40942.	6069.9
#2	3264.3	40887.	6148.9
#3	3253.6	40752.	6110.0

Sample Name: 460-111933-A-1-B@4 Acquired: 4/13/2016 15:21:09 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	61830.	35.37	-.8418	462.0	6.446	27410.
Stddev	492.	.71	.0681	3.3	.092	278.
%RSD	.7958	2.010	8.089	.7171	1.421	1.016

#1	61320.	35.97	-.9031	458.4	6.365	27170.
#2	61880.	34.58	-.7685	463.0	6.428	27330.
#3	62300.	35.57	-.8539	464.8	6.546	27710.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.541	57.35	145.7	73.12	166900.	3369.
Stddev	.158	.27	1.6	.23	1463.	46.
%RSD	6.221	.4622	1.098	.3104	.8762	1.373

#1	-2.393	57.14	144.4	72.87	165400.	3316.
#2	-2.708	57.27	145.3	73.31	167100.	3385.
#3	-2.523	57.65	147.5	73.17	168300.	3404.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23590.	5322.	390.8	76.79	123.2	2.027
Stddev	199.	52.	6.5	.19	2.0	1.308
%RSD	.8416	.9812	1.671	.2473	1.605	64.53

#1	23380.	5271.	383.4	76.78	121.6	.8328
#2	23610.	5321.	393.6	76.99	125.4	1.824
#3	23770.	5375.	395.6	76.61	122.6	3.425

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111933-A-1-B@4 Acquired: 4/13/2016 15:21:09 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.10	-1.510	232.2	237.8	.2300	3.238
Stddev	3.13	2.519	2.1	1.3	.2053	.062
%RSD	23.86	166.8	.9049	.5442	89.24	1.924
#1	9.535	.2786	230.3	236.9	.4100	3.181
#2	15.38	-4.391	231.7	237.2	.2736	3.229
#3	14.37	-4.191	234.4	239.2	.0065	3.305

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	9.490	42.65	1363.	1872.
Stddev	.283	.45	12.	10.
%RSD	2.986	1.057	.8860	.5253
#1	9.793	42.15	1350.	1868.
#2	9.231	42.81	1364.	1865.
#3	9.446	43.01	1374.	1883.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3348.1	42155.	6353.2
Stddev	23.0	112.	30.6
%RSD	.68824	.26515	.48176
#1	3322.7	42051.	6319.1
#2	3354.0	42273.	6378.2
#3	3367.6	42140.	6362.4

Sample Name: 460-111932-C-22-A@4 Acquired: 4/13/2016 15:29:00 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1253.	.6208	.6222	4.636	.0331	3738.
Stddev	5.	1.279	.3927	.102	.0404	27.
%RSD	.4018	206.1	63.12	2.211	122.1	.7283

#1	1253.	1.700	1.068	4.748	.0387	3707.
#2	1248.	.9540	.3287	4.613	-.0098	3752.
#3	1258.	-.7920	.4696	4.546	.0703	3756.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3567	.0829	12.81	1.450	9006.	70.18
Stddev	.1357	.0777	.46	.158	66.	10.69
%RSD	38.04	93.75	3.563	10.88	.7346	15.23

#1	-.4654	.0359	12.38	1.334	8930.	67.79
#2	-.2046	.0401	13.28	1.386	9051.	81.86
#3	-.4003	.1725	12.76	1.630	9037.	60.88

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2108.	16.50	34.27	.3455	6.633	.9696
Stddev	24.	.04	.72	.0949	.341	.4951
%RSD	1.136	.2120	2.110	27.47	5.144	51.06

#1	2080.	16.47	34.96	.4345	6.292	1.111
#2	2125.	16.51	34.34	.3563	6.632	.4194
#3	2118.	16.54	33.52	.2456	6.975	1.379

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111932-C-22-A@4 Acquired: 4/13/2016 15:29:00 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.0064	-2.150	9.131	3.112	-.0294	.2970
Stddev	1.995	1.729	.620	.122	.2579	.0721
%RSD	30980.	80.40	6.788	3.928	876.6	24.26
#1	2.218	-2.461	8.456	2.971	.0005	.2433
#2	-.6032	-.2870	9.675	3.180	.2122	.3789
#3	-1.635	-3.702	9.263	3.185	-.3010	.2688

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1157	2.830	167.2	426.4
Stddev	.2989	.059	.7	20.2
%RSD	258.3	2.080	.4375	4.737
#1	-.0200	2.897	166.4	403.8
#2	.4585	2.791	167.2	442.7
#3	-.0913	2.801	167.9	432.7

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	3169.5	39713.	5813.3
Stddev	6.5	161.	23.5
%RSD	.20579	.40473	.40504
#1	3177.0	39894.	5793.4
#2	3165.4	39587.	5839.3
#3	3166.1	39658.	5807.3

Sample Name: CCV Acquired: 4/13/2016 15:37:07 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120700.	2504.	1239.	10240.	983.6	127300.
Stddev	1544.	8.	8.	47.	10.4	475.
%RSD	1.280	.3050	.6330	.4580	1.056	.3733

#1	122300.	2510.	1243.	10300.	993.9	127300.
#2	120600.	2506.	1244.	10220.	983.7	127800.
#3	119200.	2495.	1230.	10210.	973.1	126800.

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.	2518.	5133.	12590.	99420.	49250.
Stddev	7.	12.	24.	72.	592.	348.
%RSD	.5462	.4862	.4704	.5681	.5955	.7057

#1	1268.	2531.	5135.	12610.	99950.	49500.
#2	1260.	2513.	5156.	12660.	99520.	49390.
#3	1254.	2508.	5107.	12520.	98780.	48850.

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	123400.	5133.	120400.	2555.	7433.	983.6
Stddev	501.	23.	1213.	14.	53.	7.5
%RSD	.4059	.4440	1.007	.5285	.7087	.7584

#1	123700.	5137.	121600.	2570.	7492.	991.1
#2	123600.	5153.	120500.	2552.	7413.	983.4
#3	122800.	5108.	119200.	2544.	7392.	976.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/13/2016 15:37:07 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2406.	2553.	2530.	2495.	1011.	2534.
Stddev	25.	19.	11.	17.	8.	11.
%RSD	1.049	.7624	.4454	.6765	.7493	.4406
#1	2428.	2566.	2534.	2514.	1017.	2545.
#2	2410.	2563.	2538.	2489.	1013.	2535.
#3	2379.	2531.	2517.	2483.	1002.	2522.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1016.	5019.	9945.	9684.
Stddev	6.	34.	40.	82.
%RSD	.6021	.6725	.3992	.8427
#1	1023.	5051.	9984.	9769.
#2	1014.	5022.	9905.	9675.
#3	1012.	4984.	9946.	9607.

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	3015.2	38283.	5889.0
Stddev	17.3	66.	49.5
%RSD	.57244	.17229	.84130
#1	2995.9	38226.	5835.8
#2	3020.5	38269.	5897.5
#3	3029.1	38355.	5933.8

Sample Name: CCB Acquired: 4/13/2016 15:40:57 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.276	-1.604	.3627	.8427	-.0316	-28.61
Stddev	11.14	.996	.1481	1.137	.0735	4.37
%RSD	153.0	62.11	40.82	135.0	232.6	15.28
#1	-19.44	-.4934	.4094	.0462	-.0335	-33.64
#2	2.421	-1.901	.1970	.3366	.0428	-25.73
#3	-4.812	-2.419	.4818	2.145	-.1042	-26.45

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0631	.0286	-.2223	-.6063	-.0629	1.581
Stddev	.1127	.3354	.1113	.1915	13.37	10.86
%RSD	178.7	1172.	50.07	31.58	21240.	686.8
#1	-.1833	-.2175	-.1807	-.6348	12.50	11.67
#2	-.0463	-.1073	-.3484	-.4022	1.420	-9.911
#3	.0403	.4106	-.1378	-.7819	-14.11	2.986

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.763	.0568	10.76	-.1776	-1.417	1.011
Stddev	3.469	.0640	3.32	.2383	1.593	1.436
%RSD	196.8	112.6	30.87	134.2	112.4	142.0
#1	4.029	.0741	11.07	-.2779	-1.574	2.305
#2	3.491	.1103	13.92	-.3493	-2.926	-.5336
#3	-2.231	-.0140	7.295	.0944	.2485	1.261

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/13/2016 15:40:57 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.682	-.3952	-.1189	-.0414	.2649	.9446
Stddev	1.238	.5319	.1903	.2584	.3175	.1973
%RSD	33.61	134.6	160.1	624.7	119.9	20.89
#1	-3.429	.0468	.1008	-.1620	.5643	1.135
#2	-5.027	-.9855	-.2335	-.2173	.2984	.7407
#3	-2.591	-.2469	-.2239	.2553	-.0681	.9585

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0823	.0519	.1882	13.03
Stddev	1.426	.0594	.1354	9.60
%RSD	1732.	114.3	71.94	73.71
#1	.9911	.0110	.3423	8.361
#2	-1.561	.1200	.1343	6.653
#3	.8170	.0247	.0880	24.07

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	3224.2	40455.	6033.7
Stddev	17.5	274.	25.1
%RSD	.54288	.67814	.41565
#1	3236.0	40729.	6048.3
#2	3232.5	40457.	6048.1
#3	3204.1	40180.	6004.8

Sample Name: CCVL Acquired: 4/13/2016 15:45:05 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	202.8	13.62	9.922	214.0	2.018	5188.
Stddev	9.5	.62	.325	.5	.104	20.
%RSD	4.693	4.580	3.276	.2111	5.166	.3887

#1	197.3	13.35	9.620	213.6	1.910	5178.
#2	213.8	13.17	9.879	214.5	2.118	5175.
#3	197.3	14.33	10.27	213.9	2.025	5212.

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	4.002	53.29	10.59	24.32	151.8	4814.
Stddev	.076	.18	.57	.21	7.1	69.
%RSD	1.908	.3319	5.349	.8751	4.702	1.438

#1	3.954	53.50	10.83	24.17	143.6	4766.
#2	3.962	53.18	9.942	24.56	156.7	4894.
#3	4.090	53.20	10.99	24.22	155.1	4783.

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	4847.	16.23	4732.	43.22	9.295	18.97
Stddev	19.	.15	20.	.41	1.414	1.53
%RSD	.3867	.8958	.4173	.9448	15.21	8.093

#1	4829.	16.06	4735.	43.67	8.619	20.48
#2	4845.	16.32	4749.	42.89	8.346	19.02
#3	4866.	16.30	4710.	43.09	10.92	17.41

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/13/2016 15:45:05 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.41	21.10	51.37	31.59	50.14	19.91
Stddev	3.24	.45	.38	.09	.27	.16
%RSD	19.72	2.140	.7323	.2983	.5296	.7896

#1	16.95	21.45	50.97	31.68	50.12	20.00
#2	19.35	21.26	51.42	31.49	50.42	20.00
#3	12.94	20.59	51.71	31.58	49.89	19.72

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	51.50	20.60	20.54	F 15.76
Stddev	.52	.06	.09	21.59
%RSD	1.002	.2720	.4407	137.0

#1	51.78	20.55	20.49	-9.158
#2	51.82	20.66	20.65	27.61
#3	50.91	20.60	20.49	28.82

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	3172.1	39737.	5904.8
Stddev	2.9	64.	76.4
%RSD	.09249	.16080	1.2944

#1	3171.2	39753.	5984.5
#2	3169.7	39667.	5832.1
#3	3175.3	39792.	5898.0

Sample Name: scan Acquired: 4/13/2016 15:58:19 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24270.	F 441.3	F 96.02	F 673.9	F 303.4	F 18160.
Stddev	146.	1.3	.85	1.9	1.5	237.
%RSD	.6024	.2958	.8861	.2864	.4811	1.302

#1	24100.	440.0	95.28	672.4	301.8	17950.
#2	24330.	442.6	95.82	673.1	304.5	18130.
#3	24380.	441.2	96.95	676.1	304.1	18410.

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit		880.0	195.5	1225.	570.0	33800.
Low Limit		575.0	117.5	870.0	402.0	23050.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 287.6	F 529.2	F 482.1	F 545.7	53700.	F 7232.
Stddev	1.1	2.0	2.1	1.0	388.	42.
%RSD	.3855	.3748	.4253	.1858	.7218	.5857

#1	287.0	527.4	479.9	544.6	53350.	7184.
#2	286.9	528.8	482.5	546.1	53630.	7246.
#3	288.8	531.3	483.9	546.5	54110.	7265.

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Fail
High Limit	515.0	890.0	855.0	1020.		15400.
Low Limit	362.0	645.0	570.0	705.0		8600.

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 7970.	F 1045.	F 2542.	F 457.5	F 472.3	346.1
Stddev	110.	9.	14.	.8	4.2	1.7
%RSD	1.380	.8953	.5555	.1756	.8897	.4819

#1	7861.	1036.	2529.	456.9	468.1	346.4
#2	7968.	1045.	2539.	457.3	472.2	344.3
#3	8081.	1055.	2557.	458.4	476.5	347.6

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass
High Limit	16300.	1835.	5500.	755.0	865.0	
Low Limit	10100.	1260.	3160.	535.0	595.0	

Sample Name: scan Acquired: 4/13/2016 15:58:19 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 543.6	F 489.1	378.9	F 634.7	F 428.6	F 401.4
Stddev	3.9	1.8	2.7	4.1	2.0	1.8
%RSD	.7217	.3689	.7216	.6507	.4738	.4586

#1	548.0	487.7	375.9	631.8	428.9	400.0
#2	540.4	488.5	379.8	632.9	426.4	400.8
#3	542.3	491.1	381.1	639.4	430.4	403.5

Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit	1080.	855.0		1115.	800.0	705.0
Low Limit	700.0	560.0		795.0	459.0	457.5

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	564.7	F 325.3	1105.	2558.
Stddev	2.6	1.3	7.	20.
%RSD	.4569	.3991	.6390	.7849

#1	562.0	323.8	1098.	2561.
#2	565.0	325.8	1105.	2576.
#3	567.1	326.2	1112.	2536.

Check ?	Chk Pass	Chk Fail	Chk Pass	None
High Limit		630.0		
Low Limit		423.0		

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3243.2	40871.	6112.8
Stddev	13.5	203.	57.4
%RSD	.41577	.49622	.93980

#1	3232.0	40931.	6131.0
#2	3258.2	41037.	6159.0
#3	3239.6	40645.	6048.5

Sample Name: 460-111336-A-4-B@10 Acquired: 4/13/2016 16:06:06 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5309.	58.51	-.2529	105.4	.6413	2050.
Stddev	20.	.93	.2565	.7	.0955	18.
%RSD	.3740	1.590	101.4	.6766	14.90	.8687
#1	5289.	57.44	-.5313	104.6	.5384	2035.
#2	5328.	59.12	-.2012	105.5	.7273	2047.
#3	5311.	58.98	-.0263	106.0	.6583	2070.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.651	16.00	30.12	155.4	150300.	310.9
Stddev	.103	.32	.58	1.3	342.	3.2
%RSD	3.894	2.027	1.920	.8144	.2274	1.015
#1	-2.767	15.85	29.59	153.9	149900.	313.6
#2	-2.569	15.77	30.04	155.9	150200.	307.4
#3	-2.618	16.37	30.74	156.3	150600.	311.6

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	897.8	613.9	62.06	35.01	133.1	6.502
Stddev	3.3	2.9	7.51	.51	2.3	.374
%RSD	.3683	.4731	12.10	1.469	1.759	5.745
#1	896.6	611.6	54.76	34.72	130.9	6.118
#2	895.3	613.0	61.66	34.71	132.8	6.524
#3	901.6	617.1	69.77	35.61	135.6	6.864

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111336-A-4-B@10 Acquired: 4/13/2016 16:06:06 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.94	-2019	24.31	73.50	-3.374	10.94
Stddev	3.44	1.505	.80	.66	.343	.12
%RSD	24.67	745.2	3.292	.8939	10.17	1.060
#1	12.11	.7872	24.01	72.81	-3.007	10.84
#2	11.79	-1.933	25.22	73.59	-3.686	11.07
#3	17.90	.5404	23.70	74.11	-3.428	10.90

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	15.56	15.63	633.3	337.0
Stddev	.60	.06	2.3	3.4
%RSD	3.838	.3880	.3594	1.001
#1	15.33	15.57	631.1	333.2
#2	16.24	15.61	633.3	339.6
#3	15.11	15.69	635.6	338.2

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	3189.5	39945.	5909.0
Stddev	16.0	295.	86.1
%RSD	.50284	.73864	1.4570
#1	3171.6	39626.	5816.2
#2	3194.6	40000.	5924.5
#3	3202.5	40208.	5986.3

Sample Name: 460-111929-F-1-A@2 Acquired: 4/13/2016 16:14:12 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35.58	-1.350	.3516	40.10	-.0120	27280.
Stddev	1.72	1.628	.7588	.21	.0317	65.
%RSD	4.829	120.6	215.8	.5315	264.2	.2374
#1	33.71	-3.226	.6043	40.12	.0124	27210.
#2	35.95	-.5136	-.5013	40.30	-.0479	27300.
#3	37.08	-.3099	.9518	39.87	-.0006	27340.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2157	.0528	-.3946	-.1955	10.13	2802.
Stddev	.0608	.2003	.4059	.2032	7.54	32.
%RSD	28.18	379.3	102.9	104.0	74.41	1.130
#1	-.2421	-.1175	.0064	-.4075	11.96	2766.
#2	-.2588	.2736	-.8052	-.1767	1.845	2828.
#3	-.1462	.0023	-.3851	-.0023	16.59	2811.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7400.	159.1	69950.	-.0043	-.0446	1.106
Stddev	57.	.1	362.	.1511	2.768	1.198
%RSD	.7731	.0553	.5172	3494.	6209.	108.3
#1	7342.	159.1	69540.	-.1742	1.407	-.2766
#2	7402.	159.1	70210.	.1154	-3.237	1.756
#3	7456.	159.2	70110.	.0457	1.696	1.838

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-111929-F-1-A@2 Acquired: 4/13/2016 16:14:12 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.279	.0388	.3221	1.690	39.30	-.7909
Stddev	2.408	1.161	.1287	.120	.59	.1169
%RSD	56.29	2990.	39.96	7.116	1.514	14.78
#1	-1.592	.7476	.2138	1.757	39.10	-.7301
#2	-4.999	-1.300	.2880	1.761	39.97	-.7169
#3	-6.244	.6693	.4644	1.551	38.83	-.9257

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1561	155.8	1.166	2071.
Stddev	.3897	.2	.141	33.
%RSD	249.6	.1498	12.09	1.588
#1	.2608	156.1	1.091	2044.
#2	.4828	155.7	1.078	2061.
#3	-.2753	155.7	1.328	2108.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3091.6	38505.	5787.4
Stddev	11.8	96.	41.0
%RSD	.38271	.24880	.70871
#1	3085.4	38615.	5763.6
#2	3084.3	38462.	5763.8
#3	3105.3	38438.	5834.7

Sample Name: 460-111929-F-1-C MS Acquired: 4/13/2016 16:22:23 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	413.6	385.2	9.762	448.8	9.829	30930.
Stddev	11.6	1.3	.171	.8	.125	122.
%RSD	2.795	.3331	1.755	.1887	1.270	.3936
#1	412.0	384.6	9.595	449.7	9.795	30820.
#2	402.9	386.7	9.754	448.0	9.967	31060.
#3	425.9	384.4	9.937	448.7	9.724	30900.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.976	101.3	42.21	48.53	205.6	6376.
Stddev	.145	.3	.10	.37	5.2	57.
%RSD	1.457	.3450	.2425	.7538	2.534	.8924
#1	9.821	101.1	42.25	48.39	208.2	6311.
#2	10.11	101.1	42.10	48.94	209.0	6417.
#3	9.997	101.7	42.29	48.25	199.6	6400.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11010.	259.5	73620.	104.5	97.60	94.88
Stddev	23.	.8	397.	.3	1.57	.72
%RSD	.2085	.3043	.5388	.2852	1.612	.7562
#1	11010.	258.6	73160.	104.9	98.99	95.62
#2	11030.	260.1	73880.	104.5	95.89	94.18
#3	10990.	259.7	73820.	104.3	97.93	94.84

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111929-F-1-C MS Acquired: 4/13/2016 16:22:23 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	372.5	420.9	101.7	103.8	139.9	99.15
Stddev	2.8	1.8	.7	.4	.2	.12
%RSD	.7558	.4316	.6798	.3503	.1754	.1187
#1	371.4	422.5	101.0	103.5	140.0	99.14
#2	370.4	418.9	102.0	103.8	139.7	99.27
#3	375.7	421.1	102.3	104.2	140.2	99.04

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	102.5	253.3	101.0	2090.
Stddev	.5	1.7	.4	14.
%RSD	.4942	.6776	.3855	.6836
#1	102.3	251.4	100.6	2104.
#2	103.0	253.7	100.9	2075.
#3	102.1	254.7	101.4	2091.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3104.2	38655.	5806.8
Stddev	4.5	166.	64.6
%RSD	.14339	.43031	1.1122
#1	3100.0	38753.	5861.2
#2	3108.9	38463.	5735.4
#3	3103.8	38748.	5823.8

Sample Name: 460-111972-E-2-B@4 Acquired: 4/13/2016 16:30:11 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8016.	46.07	-5652	34.38	.3138	409.3
Stddev	55.	1.75	.4068	.08	.1264	7.5
%RSD	.6836	3.810	71.97	.2360	40.27	1.826

#1	7953.	44.69	-.5392	34.45	.4580	400.8
#2	8036.	45.47	-.1721	34.29	.2224	412.3
#3	8057.	48.04	-.9844	34.40	.2610	414.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8015	1.131	37.24	13.89	28430.	2139.
Stddev	.1758	.216	.47	.39	122.	33.
%RSD	21.93	19.08	1.262	2.773	.4273	1.549

#1	-.6740	1.380	37.30	13.45	28360.	2113.
#2	-1.002	1.016	36.74	14.06	28360.	2128.
#3	-.7284	.9978	37.68	14.17	28570.	2176.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	659.4	34.89	82.20	4.297	15.52	1.767
Stddev	6.5	.21	9.53	.653	.57	1.548
%RSD	.9787	.6149	11.59	15.21	3.656	87.58

#1	654.0	34.95	92.48	4.225	16.07	2.771
#2	657.6	34.65	80.42	4.984	14.93	-.0152
#3	666.6	35.06	73.68	3.683	15.57	2.545

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111972-E-2-B@4 Acquired: 4/13/2016 16:30:11 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.412	-1.268	38.61	14.52	6.402	2.244
Stddev	4.070	.514	.18	.26	.600	.012
%RSD	168.8	40.53	.4746	1.815	9.376	.5112
#1	-0.8902	-1.860	38.40	14.31	6.169	2.254
#2	1.167	-0.9360	38.76	14.82	7.084	2.246
#3	6.959	-1.009	38.66	14.43	5.953	2.232

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.9212	8.855	181.7	1372.
Stddev	.4840	.126	.5	18.
%RSD	52.54	1.418	.2911	1.334
#1	.5249	8.840	181.1	1361.
#2	1.461	8.738	181.8	1361.
#3	.7781	8.988	182.2	1393.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3166.0	39848.	6011.0
Stddev	4.5	282.	10.0
%RSD	.14201	.70774	.16566
#1	3161.5	39616.	5999.6
#2	3166.0	40161.	6017.6
#3	3170.5	39766.	6015.9

Sample Name: 460-111336-A-2-B@10 Acquired: 4/13/2016 16:02:07 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40120.	9.879	-5858	248.4	2.381	4859.
Stddev	520.	2.589	.3248	2.2	.032	76.
%RSD	1.296	26.21	55.44	.9037	1.360	1.561

#1	39600.	7.686	-.6896	246.1	2.345	4783.
#2	40110.	9.215	-.2218	248.4	2.406	4858.
#3	40640.	12.74	-.8460	250.6	2.393	4935.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.625	29.19	68.01	67.39	89110.	3267.
Stddev	.033	.07	1.25	1.27	858.	48.
%RSD	2.005	.2346	1.843	1.881	.9627	1.457

#1	-1.595	29.11	66.79	66.00	88220.	3213.
#2	-1.660	29.24	67.95	67.69	89190.	3304.
#3	-1.622	29.22	69.30	68.48	89930.	3283.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13430.	993.8	314.8	66.05	31.93	1.790
Stddev	151.	12.7	9.3	.82	.55	1.029
%RSD	1.121	1.281	2.969	1.244	1.726	57.47

#1	13280.	981.0	304.1	65.35	32.56	2.749
#2	13450.	993.9	319.1	65.86	31.55	.7037
#3	13570.	1006.	321.3	66.96	31.67	1.918

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111336-A-2-B@10 Acquired: 4/13/2016 16:02:07 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.727	-1.362	92.88	138.1	9.676	.9579
Stddev	1.374	2.142	1.46	2.2	.159	.0561
%RSD	24.00	157.3	1.577	1.608	1.644	5.854
#1	6.889	-3.478	91.28	135.6	9.521	1.019
#2	4.210	-1.415	93.20	138.9	9.667	.9467
#3	6.082	.8059	94.16	139.9	9.839	.9083

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.858	34.14	924.8	357.0
Stddev	.328	.38	10.1	26.8
%RSD	11.48	1.125	1.092	7.510
#1	2.745	33.78	914.4	336.1
#2	3.227	34.09	925.4	347.8
#3	2.601	34.55	934.6	387.2

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	3270.9	40817.	6087.9
Stddev	12.8	124.	25.1
%RSD	.39130	.30452	.41183
#1	3275.4	40958.	6111.4
#2	3256.4	40768.	6061.5
#3	3280.8	40724.	6090.8

Sample Name: 460-111929-F-1-B DU Acquired: 4/13/2016 16:10:07 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44.05	-1.811	.2301	40.03	-.0184	26850.
Stddev	8.80	.550	.3192	.22	.1497	11.
%RSD	19.98	30.38	138.7	.5498	813.2	.0394
#1	35.63	-2.297	.0999	39.78	-.0988	26850.
#2	53.19	-1.923	.5939	40.17	.1543	26860.
#3	43.33	-1.214	-.0035	40.15	-.1107	26840.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2157	-.0576	-.2606	-.3958	12.11	2816.
Stddev	.0866	.0786	.3722	.3756	9.50	30.
%RSD	40.16	136.4	142.8	94.92	78.41	1.081
#1	-.1162	.0194	-.3832	-.3481	11.19	2832.
#2	-.2572	-.0545	.1575	-.0462	22.03	2835.
#3	-.2739	-.1377	-.5559	-.7929	3.107	2781.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7292.	156.8	70070.	-.0085	-1.804	.8371
Stddev	33.	.4	290.	.1805	.526	.4033
%RSD	.4582	.2354	.4135	2126.	29.15	48.18
#1	7328.	156.7	70410.	.0035	-2.407	1.233
#2	7287.	156.4	69900.	.1657	-1.444	.4270
#3	7262.	157.1	69910.	-.1947	-1.561	.8511

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111929-F-1-B DU Acquired: 4/13/2016 16:10:07 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.208	-.1588	-.0883	1.474	38.80	-.4665
Stddev	1.652	.7273	.3921	.104	.96	.2495
%RSD	51.50	458.1	444.0	7.041	2.478	53.49
#1	-2.030	-.7348	.3641	1.577	37.69	-.4665
#2	-2.499	.6585	-.3286	1.369	39.46	-.2170
#3	-5.097	-.4000	-.3005	1.475	39.24	-.7161

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4314	155.9	.9603	2079.
Stddev	.4494	.4	.1531	10.
%RSD	104.2	.2701	15.95	.4609
#1	-.9503	155.5	1.105	2072.
#2	-.1701	156.3	.9767	2075.
#3	-.1737	155.9	.7996	2090.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3137.7	39401.	5917.9
Stddev	19.5	105.	22.3
%RSD	.62180	.26716	.37682
#1	3151.7	39492.	5929.8
#2	3146.1	39286.	5931.8
#3	3115.4	39425.	5892.2

Sample Name: CCB Acquired: 4/13/2016 16:42:10 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-8.979	.3739	-.0109	.2780	-.0386	-26.57
Stddev	7.305	.1675	.3630	.1983	.0250	5.39
%RSD	81.35	44.79	3340.	71.36	64.72	20.29
#1	-.8133	.4314	.3946	.1870	-.0673	-32.41
#2	-14.89	.5052	-.3058	.1414	-.0266	-25.54
#3	-11.23	.1853	-.1214	.5055	-.0219	-21.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1104	.1206	-.5161	-.2931	-.5364	3.584
Stddev	.0423	.2462	.6205	.2932	3.330	13.37
%RSD	38.31	204.1	120.2	100.0	620.8	373.2
#1	-.1193	-.1637	-.7974	-.0556	-.9363	3.103
#2	-.1475	.2590	-.9461	-.6208	2.976	-9.543
#3	-.0644	.2665	.1953	-.2030	-3.649	17.19

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	-1.085	.0849	12.25	-.1039	-.5175	.5782
Stddev	2.062	.0622	3.86	.1072	.7759	.9554
%RSD	190.2	73.18	31.49	103.2	149.9	165.2
#1	.7436	.1554	13.38	-.2150	-.0270	.0426
#2	-3.320	.0617	15.41	-.0011	-1.412	1.681
#3	-.6769	.0378	7.950	-.0956	-1.1136	.0108

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/13/2016 16:42:10 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.038	-.4782	-.0040	-.0991	.1417	.7189
Stddev	1.207	.4294	.2313	.0555	.2905	.4262
%RSD	116.2	89.81	5760.	56.05	205.0	59.28
#1	-2.345	-.6950	-.0867	-.0359	.4006	1.201
#2	.0353	.0165	-.1827	-.1212	-.1725	.5639
#3	-.8059	-.7560	.2573	-.1402	.1970	.3919

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2781	-.0232	.3118	6.356
Stddev	.8047	.0903	.2332	3.662
%RSD	289.3	389.3	74.80	57.61
#1	.0056	.0031	.4868	10.19
#2	-.3549	.0510	.4015	5.979
#3	1.184	-.1237	.0470	2.898

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	3168.3	39615.	5812.7
Stddev	18.9	75.	40.3
%RSD	.59514	.18810	.69382
#1	3178.4	39620.	5803.7
#2	3180.1	39539.	5856.8
#3	3146.6	39687.	5777.6

Sample Name: 460-111972-E-6-B@4 Acquired: 4/13/2016 16:58:38 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6667.	22.59	.1455	22.76	.2140	615.8
Stddev	4.	1.22	.3271	.24	.0780	3.6
%RSD	.0601	5.395	224.9	1.065	36.44	.5794
#1	6664.	21.27	.1059	22.98	.1251	618.6
#2	6672.	22.83	.4906	22.50	.2709	616.9
#3	6666.	23.67	-.1601	22.79	.2460	611.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5793	.6236	22.52	10.32	16770.	1484.
Stddev	.1156	.2767	.43	.09	54.	5.
%RSD	19.95	44.38	1.891	.8617	.3213	.3659
#1	-.4883	.7764	22.42	10.25	16780.	1483.
#2	-.7093	.3041	22.15	10.42	16820.	1479.
#3	-.5403	.7902	22.99	10.27	16710.	1490.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	571.2	15.79	44.81	1.630	9.734	.9140
Stddev	2.4	.10	7.24	.593	.849	.0181
%RSD	.4152	.6589	16.15	36.38	8.720	1.982
#1	569.1	15.81	52.71	1.821	8.906	.9324
#2	573.8	15.88	43.24	.9652	10.60	.8962
#3	570.6	15.67	38.49	2.104	9.693	.9135

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111972-E-6-B@4 Acquired: 4/13/2016 16:58:38 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.374	-2.849	27.95	10.69	4.761	1.106
Stddev	.916	2.134	.24	.15	.507	.092
%RSD	66.69	74.90	.8554	1.392	10.66	8.352
#1	-2.354	-4.051	28.10	10.86	4.814	1.052
#2	-1.229	-4.110	27.68	10.64	5.240	1.054
#3	-.5386	-.3852	28.08	10.58	4.229	1.213

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5858	9.191	137.9	1292.
Stddev	.7374	.035	.8	6.
%RSD	125.9	.3863	.5489	.4615
#1	1.203	9.218	137.7	1286.
#2	.7845	9.151	138.7	1296.
#3	-.2306	9.205	137.3	1296.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3096.3	38821.	5804.5
Stddev	18.3	285.	41.1
%RSD	.59227	.73372	.70793
#1	3083.0	38544.	5784.2
#2	3088.8	38807.	5777.6
#3	3117.3	39113.	5851.8

Sample Name: 460-111972-E-7-B@4 Acquired: 4/13/2016 17:02:45 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6076.	23.15	-0.869	20.69	.1306	553.0
Stddev	47.	.86	.1288	.14	.0073	2.8
%RSD	.7723	3.736	148.2	.6709	5.568	.5064

#1	6130.	22.20	.0252	20.82	.1297	552.6
#2	6049.	23.91	-.0584	20.72	.1239	556.0
#3	6049.	23.33	-.2276	20.54	.1384	550.5

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	-.5781	.5579	20.87	9.341	15140.	1381.
Stddev	.0621	.1546	.30	.364	21.	18.
%RSD	10.73	27.71	1.433	3.893	.1405	1.319

#1	-.5985	.6811	20.53	9.718	15160.	1362.
#2	-.5084	.3844	20.96	8.993	15110.	1398.
#3	-.6274	.6083	21.11	9.312	15130.	1383.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	515.3	14.30	43.63	1.466	7.260	1.205
Stddev	6.2	.05	3.82	.378	2.684	1.543
%RSD	1.202	.3217	8.747	25.76	36.97	128.1

#1	520.9	14.33	48.03	1.320	4.389	1.310
#2	508.7	14.33	41.17	1.895	9.707	-.3887
#3	516.4	14.25	41.69	1.183	7.685	2.693

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111972-E-7-B@4 Acquired: 4/13/2016 17:02:45 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8412	-.7674	25.04	9.561	4.205	.8168
Stddev	.9487	2.017	.25	.045	.591	.1680
%RSD	112.8	262.9	.9914	.4737	14.06	20.56
#1	-.1757	-2.204	24.99	9.589	3.684	1.002
#2	.9970	1.539	24.81	9.586	4.847	.6752
#3	1.702	-1.637	25.30	9.509	4.083	.7729

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.262	8.054	130.6	1209.
Stddev	.377	.051	.3	16.
%RSD	29.88	.6382	.2387	1.284
#1	1.595	8.066	130.9	1206.
#2	.8524	8.099	130.3	1196.
#3	1.339	7.998	130.7	1226.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3126.2	39318.	5857.4
Stddev	18.8	82.	76.5
%RSD	.59993	.20902	1.3068
#1	3105.2	39331.	5851.0
#2	3141.3	39230.	5784.3
#3	3132.2	39393.	5937.0

Sample Name: sd 460-111929-F-1-A Acquired: 4/13/2016 16:18:17 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.122	-2.221	.4269	7.763	-.0397	5264.
Stddev	11.17	.537	.1161	.114	.0049	8.
%RSD	270.9	24.20	27.18	1.463	12.37	.1470
#1	-.2229	-2.797	.5041	7.796	-.0406	5259.
#2	-4.221	-2.132	.2935	7.637	-.0440	5260.
#3	16.81	-1.734	.4831	7.857	-.0344	5273.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1783	.1359	-.1934	-.7095	-12.18	538.0
Stddev	.1054	.0398	.5828	.2828	2.38	29.5
%RSD	59.10	29.31	301.3	39.86	19.50	5.478
#1	-.1468	.0962	.4546	-1.013	-9.475	572.0
#2	-.0923	.1355	-.3602	-.4534	-13.92	522.3
#3	-.2958	.1759	-.6746	-.6621	-13.16	519.7

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	1422.	30.89	13500.	-.6101	-.8995	.6026
Stddev	2.	.07	108.	.3188	.9053	1.020
%RSD	.1714	.2366	.7971	52.24	100.6	169.3
#1	1424.	30.88	13380.	-.8713	-.2645	-.5740
#2	1422.	30.83	13510.	-.7042	-1.936	1.146
#3	1419.	30.97	13600.	-.2549	-.4979	1.236

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-111929-F-1-A Acquired: 4/13/2016 16:18:17 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.140	-.1158	.2149	.4303	6.899	-.5975
Stddev	3.185	1.816	.0643	.0983	.289	.1173
%RSD	148.8	1569.	29.93	22.84	4.183	19.63
#1	-5.286	1.151	.2144	.4330	6.974	-.4710
#2	-2.217	-2.197	.2794	.5273	7.143	-.7025
#3	1.083	.6981	.1508	.3307	6.581	-.6189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1976	30.63	.2716	401.7
Stddev	.3206	.25	.1955	14.0
%RSD	162.3	.8082	71.99	3.481
#1	.2705	30.34	.0738	398.0
#2	.4753	30.76	.2763	417.2
#3	-.1532	30.77	.4648	390.0
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	3153.4	39450.	5887.1
Stddev	16.3	65.	50.1
%RSD	.51816	.16523	.85120
#1	3150.0	39470.	5933.9
#2	3171.1	39503.	5893.0
#3	3139.0	39377.	5834.3

Sample Name: pds 460-111929-F-1-A Acquired: 4/13/2016 16:26:25 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1923.	1965.	47.74	2072.	49.21	46750.
Stddev	13.	6.	.19	1.	.09	45.
%RSD	.6806	.3261	.4079	.0555	.1848	.0964
#1	1934.	1967.	47.63	2073.	49.15	46720.
#2	1925.	1957.	47.63	2073.	49.31	46800.
#3	1909.	1969.	47.97	2071.	49.16	46720.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.79	504.1	211.0	243.8	992.5	20680.
Stddev	.11	.6	.8	.4	12.5	30.
%RSD	.2140	.1171	.4009	.1747	1.260	.1432
#1	50.70	504.7	210.1	243.3	981.4	20700.
#2	50.76	504.0	211.8	244.1	1006.	20700.
#3	50.91	503.5	211.1	244.1	990.2	20650.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25770.	666.6	88040.	524.7	493.4	467.5
Stddev	47.	.8	93.	1.6	2.3	1.6
%RSD	.1813	.1246	.1056	.2995	.4589	.3495
#1	25720.	665.7	88140.	526.5	490.8	468.4
#2	25780.	667.0	88020.	523.6	494.4	465.6
#3	25810.	667.2	87960.	524.0	494.9	468.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-111929-F-1-A Acquired: 4/13/2016 16:26:25 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1894.	2102.	507.5	511.8	555.0	500.2
Stddev	5.	1.	2.2	.9	1.9	.6
%RSD	.2539	.0292	.4318	.1850	.3480	.1278
#1	1890.	2102.	505.3	512.4	556.2	500.9
#2	1893.	2103.	509.6	512.3	552.8	499.7
#3	1900.	2102.	507.5	510.7	556.1	499.9

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	514.5	644.5	494.8	2136.
Stddev	1.7	1.6	.9	9.
%RSD	.3351	.2514	.1837	.4386
#1	516.5	643.7	493.9	2143.
#2	513.8	646.4	495.7	2139.
#3	513.3	643.5	494.6	2125.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3079.9	38652.	5825.5
Stddev	16.7	207.	15.9
%RSD	.54080	.53669	.27223
#1	3062.7	38760.	5832.6
#2	3081.1	38413.	5807.4
#3	3095.9	38783.	5836.6

Sample Name: 460-112004-D-1-A@4 Acquired: 4/13/2016 17:11:01 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33590.	10.35	-1.091	259.0	2.517	4255.
Stddev	92.	1.04	.161	.5	.106	17.
%RSD	.2751	10.03	14.77	.1895	4.211	.4058

#1	33680.	9.159	-1.177	259.3	2.396	4238.
#2	33580.	11.08	-1.190	259.2	2.593	4273.
#3	33490.	10.80	-.9050	258.4	2.562	4254.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.567	79.15	165.8	140.7	91220.	4730.
Stddev	.105	.09	1.1	.9	91.	17.
%RSD	6.708	.1160	.6393	.6681	.0999	.3669

#1	-1.595	79.25	165.0	140.7	91120.	4712.
#2	-1.451	79.10	165.4	141.7	91230.	4731.
#3	-1.655	79.09	167.0	139.8	91310.	4747.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27400.	1723.	343.7	966.0	57.66	2.510
Stddev	116.	3.	7.1	2.7	1.18	1.072
%RSD	.4231	.1640	2.051	.2767	2.039	42.70

#1	27290.	1721.	349.2	963.7	58.32	1.703
#2	27520.	1726.	346.1	969.0	58.36	2.100
#3	27390.	1722.	335.7	965.3	56.30	3.726

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-112004-D-1-A@4 Acquired: 4/13/2016 17:11:01 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.323	-2.099	97.69	172.7	10.33	1.365
Stddev	.613	.695	.41	1.1	.30	.107
%RSD	11.51	33.13	.4217	.6216	2.917	7.869
#1	5.752	-1.437	97.35	172.6	10.22	1.339
#2	4.621	-2.035	97.58	173.8	10.11	1.273
#3	5.596	-2.824	98.15	171.7	10.68	1.483

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.263	26.01	1535.	990.4
Stddev	.286	.19	3.	10.6
%RSD	12.64	.7352	.2162	1.074
#1	2.593	25.90	1537.	992.2
#2	2.085	26.23	1536.	979.0
#3	2.111	25.90	1531.	1000.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3222.3	40536.	6093.4
Stddev	22.3	76.	9.3
%RSD	.69273	.18706	.15213
#1	3217.1	40616.	6103.6
#2	3203.0	40465.	6085.5
#3	3246.8	40528.	6091.2

Sample Name: CCV Acquired: 4/13/2016 17:31:17 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120800.	2513.	1228.	10230.	989.3	127200.
Stddev	363.	11.	1.	4.	1.8	508.
%RSD	.3006	.4524	.0869	.0396	.1809	.3997

#1	120700.	2521.	1227.	10230.	989.8	127200.
#2	120500.	2518.	1229.	10220.	987.3	126600.
#3	121200.	2500.	1228.	10230.	990.7	127700.

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	1267.	2517.	5142.	12480.	99720.	48960.
Stddev	1.	2.	20.	11.	186.	101.
%RSD	.0795	.0741	.3918	.0901	.1861	.2054

#1	1267.	2517.	5147.	12490.	99560.	48970.
#2	1266.	2518.	5120.	12480.	99690.	48850.
#3	1268.	2515.	5159.	12460.	99920.	49050.

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	122900.	5123.	119700.	2560.	7450.	983.7
Stddev	173.	10.	393.	1.	19.	3.7
%RSD	.1409	.1933	.3279	.0568	.2494	.3740

#1	122800.	5117.	119600.	2561.	7428.	985.6
#2	122900.	5118.	119400.	2559.	7461.	986.1
#3	123100.	5135.	120200.	2561.	7459.	979.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/13/2016 17:31:17 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2413.	2531.	2521.	2517.	1010.	2529.
Stddev	9.	6.	5.	7.	3.	3.
%RSD	.3697	.2426	.1811	.2593	.2600	.1132

#1	2416.	2531.	2518.	2511.	1008.	2526.
#2	2419.	2525.	2518.	2516.	1013.	2528.
#3	2403.	2537.	2526.	2524.	1009.	2532.

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	1018.	5011.	10010.	9627.
Stddev	3.	2.	44.	92.
%RSD	.2815	.0385	.4404	.9512

#1	1021.	5013.	10020.	9605.
#2	1015.	5009.	9958.	9728.
#3	1019.	5011.	10040.	9548.

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	3007.1	38169.	5822.7
Stddev	9.6	248.	61.6
%RSD	.31865	.65053	1.0577

#1	3017.9	38328.	5836.6
#2	3003.5	38295.	5876.2
#3	2999.8	37883.	5755.4

Sample Name: CCB Acquired: 4/13/2016 17:35:03 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.713	-2.168	.2134	.5063	.0825	-21.78
Stddev	13.44	1.902	.4028	.4465	.0666	9.07
%RSD	361.9	87.74	188.8	88.20	80.77	41.63
#1	11.80	-.7362	.6247	.1925	.1594	-23.82
#2	-11.19	-4.326	-.1803	1.017	.0458	-11.86
#3	-11.76	-1.441	.1957	.3088	.0423	-29.65

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2438	.4218	.0282	.3291	-.1462	3.565
Stddev	.1156	.1388	.5170	.5609	14.20	23.46
%RSD	47.44	32.90	1834.	170.4	9710.	657.9
#1	-.3772	.3194	.4927	-.0958	-16.48	1.683
#2	-.1810	.5797	.1207	.9649	6.785	-18.89
#3	-.1731	.3663	-.5288	.1181	9.253	27.91

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.221	.1935	9.936	.2630	-.4099	1.606
Stddev	3.010	.1832	1.882	.5733	.3872	.741
%RSD	41.68	94.66	18.94	218.0	94.46	46.15
#1	5.562	.0243	8.379	.0009	-.3560	.8117
#2	5.406	.3881	12.03	-.1324	-.0525	2.279
#3	10.69	.1682	9.400	.9204	-.8212	1.726

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/13/2016 17:35:03 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.038	-.8973	-.0726	-.1525	-.1484	.5474
Stddev	2.384	.8060	.1546	.1255	.2390	.5088
%RSD	117.0	89.83	212.9	82.30	161.1	92.95
#1	-.6162	-.5749	-.2373	-.2112	-.1142	.9465
#2	-.7071	-.3022	-.0497	-.0084	-.4026	.7213
#3	-4.790	-1.815	.0693	-.2379	.0717	-.0256

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8815	.1526	.5871	14.09
Stddev	.5918	.1178	.2913	7.94
%RSD	67.13	77.20	49.62	56.37
#1	-.9259	.0344	.3548	8.625
#2	-1.450	.1534	.9139	23.21
#3	-.2688	.2701	.4925	10.45

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	3143.3	39230.	5661.0
Stddev	9.8	55.	46.5
%RSD	.31073	.14117	.82053
#1	3136.9	39292.	5613.2
#2	3138.4	39212.	5705.9
#3	3154.5	39186.	5664.0

Sample Name: 460-109943-E-4-B Acquired: 4/13/2016 17:43:21 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.11	-.6441	.2886	59.36	.0597	9359.
Stddev	5.47	.5860	.3449	.43	.0723	17.
%RSD	30.23	90.98	119.5	.7188	121.1	.1798
#1	21.16	-.8685	.6245	58.96	.0484	9345.
#2	11.79	-1.085	.3059	59.30	-.0063	9377.
#3	21.38	.0209	-.0647	59.81	.1370	9354.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1231	1.041	1.438	.3395	11.45	3388.
Stddev	.0503	.135	.256	.1350	4.58	29.
%RSD	40.84	13.00	17.80	39.76	40.00	.8555
#1	-.0684	1.190	1.734	.1853	16.73	3413.
#2	-.1337	.9254	1.301	.3968	9.125	3356.
#3	-.1672	1.007	1.280	.4364	8.500	3394.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1635.	19.14	32620.	3.008	-4.333	1.776
Stddev	10.	.16	156.	.324	1.735	1.138
%RSD	.5972	.8145	.4782	10.75	40.04	64.09
#1	1623.	19.00	32450.	3.316	-3.519	.5334
#2	1639.	19.12	32650.	3.039	-6.325	2.768
#3	1641.	19.31	32760.	2.671	-3.154	2.026

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-109943-E-4-B Acquired: 4/13/2016 17:43:21 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.010	.6480	.0647	5.566	36.77	-.3180
Stddev	1.704	2.254	.3641	.126	.54	.0705
%RSD	84.79	347.8	563.0	2.260	1.474	22.18
#1	-3.962	1.692	.4851	5.629	36.17	-.3152
#2	-.8177	-1.938	-.1420	5.422	37.23	-.3899
#3	-1.250	2.190	-.1491	5.649	36.91	-.2489

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1277	63.94	.7093	3499.
Stddev	.4445	.23	.0557	16.
%RSD	348.1	.3588	7.854	.4520
#1	-.3436	63.71	.6572	3488.
#2	.5394	64.17	.7680	3517.
#3	.1873	63.95	.7027	3491.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3191.0	40128.	6006.0
Stddev	17.9	135.	52.7
%RSD	.56081	.33558	.87715
#1	3203.6	40177.	6034.1
#2	3198.8	40232.	6038.7
#3	3170.5	39976.	5945.2

Sample Name: 460-109980-F-1-D Acquired: 4/13/2016 17:51:34 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.37	-2.840	-.0607	55.53	.0136	19140.
Stddev	4.88	.776	.3529	.24	.0292	28.
%RSD	20.90	27.31	581.7	.4287	214.3	.1452
#1	28.27	-2.437	.1442	55.35	.0424	19140.
#2	18.50	-2.349	-.4681	55.80	-.0160	19180.
#3	23.33	-3.734	.1420	55.45	.0146	19120.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1236	.1852	17.83	-.0273	-3.780	6664.
Stddev	.0456	.2811	.29	.3953	5.953	44.
%RSD	36.87	151.7	1.616	1449.	157.5	.6642
#1	.1088	-.0387	17.50	-.2425	.0987	6613.
#2	.0873	.5006	18.05	.4290	-10.63	6692.
#3	.1747	.0938	17.93	-.2684	-.8052	6686.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5037.	120.7	44510.	9.090	-4.157	1.012
Stddev	14.	.1	116.	.170	1.748	.607
%RSD	.2839	.1215	.2610	1.865	42.04	59.92
#1	5027.	120.5	44440.	8.928	-5.726	1.713
#2	5053.	120.8	44450.	9.077	-4.472	.6532
#3	5030.	120.7	44650.	9.266	-2.273	.6711

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-109980-F-1-D Acquired: 4/13/2016 17:51:34 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.424	-.1505	-.2334	11.05	23.96	-.6809
Stddev	2.696	1.884	.0625	.13	.46	.1527
%RSD	78.74	1251.	26.79	1.220	1.926	22.43
#1	-4.818	1.771	-.1819	11.11	23.72	-.6376
#2	-5.138	-1.993	-.2154	10.90	24.50	-.8505
#3	-.3166	-.2296	-.3030	11.15	23.67	-.5544

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2450	111.4	.8744	4576.
Stddev	.8138	.5	.0689	24.
%RSD	332.1	.4557	7.884	.5186
#1	.9753	111.2	.9188	4563.
#2	.3920	111.1	.7950	4603.
#3	-.6322	112.0	.9095	4561.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3112.4	38824.	5897.6
Stddev	6.7	105.	31.1
%RSD	.21469	.27026	.52679
#1	3117.2	38892.	5918.4
#2	3104.8	38703.	5861.9
#3	3115.3	38876.	5912.6

Sample Name: 460-111972-E-3-B@4 Acquired: 4/13/2016 16:34:16 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7468.	32.45	-2205	32.05	.3153	611.4
Stddev	26.	2.07	.0878	.18	.0354	8.4
%RSD	.3515	6.397	39.83	.5724	11.23	1.376
#1	7444.	33.36	-.1199	31.95	.2768	612.1
#2	7496.	30.07	-.2816	31.93	.3225	619.5
#3	7466.	33.90	-.2601	32.26	.3465	602.7

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	-.7827	.8574	36.37	9.771	29660.	1440.
Stddev	.0327	.1258	.42	.089	147.	34.
%RSD	4.174	14.68	1.142	.9121	.4954	2.373
#1	-.7716	.7518	36.69	9.696	29510.	1407.
#2	-.7571	.8236	36.51	9.748	29800.	1475.
#3	-.8195	.9966	35.90	9.869	29680.	1438.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	558.4	34.58	40.66	5.141	26.73	1.364
Stddev	6.4	.09	6.43	.234	2.21	.931
%RSD	1.152	.2655	15.81	4.558	8.286	68.24
#1	556.8	34.49	42.42	5.256	28.74	2.117
#2	553.0	34.60	33.54	5.296	27.10	.3234
#3	565.6	34.67	46.03	4.871	24.36	1.651

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111972-E-3-B@4 Acquired: 4/13/2016 16:34:16 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.223	-3.120	57.58	26.64	4.871	1.691
Stddev	2.118	2.229	.47	.08	.387	.269
%RSD	95.31	71.45	.8243	.3148	7.937	15.87
#1	-0.2234	-1.142	57.36	26.55	4.920	2.001
#2	3.429	-5.535	57.25	26.72	5.232	1.539
#3	3.462	-2.682	58.12	26.64	4.463	1.533

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4898	9.949	188.3	1269.
Stddev	.7291	.110	.8	11.
%RSD	148.9	1.107	.4355	.8361
#1	1.006	9.860	187.5	1258.
#2	-.3443	10.07	188.4	1269.
#3	.8075	9.916	189.1	1279.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3126.5	39302.	5785.1
Stddev	6.5	251.	43.9
%RSD	.20744	.63753	.75885
#1	3120.0	39171.	5755.5
#2	3126.4	39143.	5764.3
#3	3133.0	39591.	5835.6

Sample Name: 460-109980-F-4-B Acquired: 4/13/2016 18:03:55 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.04	-1.429	.3975	110.5	.1514	18610.
Stddev	4.00	1.184	.1530	.5	.0483	111.
%RSD	7.533	82.89	38.50	.4251	31.90	.5965
#1	57.57	-2.136	.4036	110.0	.2031	18520.
#2	51.51	-.0615	.5474	110.8	.1074	18590.
#3	50.03	-2.088	.2416	110.8	.1437	18730.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2810	.0312	2.844	-.0650	5.079	3538.
Stddev	.0650	.0350	.252	.1700	3.507	21.
%RSD	23.15	112.1	8.861	261.7	69.05	.5833
#1	.2066	.0715	2.832	-.0744	5.724	3561.
#2	.3094	.0089	3.102	.1096	1.294	3521.
#3	.3270	.0132	2.598	-.2300	8.219	3531.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3422.	182.4	37420.	5.490	-4.040	.9014
Stddev	25.	1.5	138.	.402	1.612	1.294
%RSD	.7401	.8350	.3681	7.313	39.91	143.5
#1	3393.	180.9	37580.	5.243	-2.966	2.288
#2	3433.	182.3	37320.	5.954	-5.894	-.2743
#3	3439.	184.0	37360.	5.274	-3.260	.6909

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-109980-F-4-B Acquired: 4/13/2016 18:03:55 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.491	-.9873	.0445	2.648	77.86	-.5838
Stddev	1.825	1.031	.1331	.272	.53	.2452
%RSD	122.4	104.5	299.0	10.27	.6832	42.00
#1	-3.579	-.1649	-.1009	2.845	77.99	-.3131
#2	-.2054	-.6523	.1602	2.338	78.32	-.7911
#3	-.6879	-2.145	.0743	2.760	77.28	-.6473

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6185	91.39	.8722	5580.
Stddev	.7729	.17	.0506	12.
%RSD	124.9	.1806	5.805	.2142
#1	1.508	91.48	.9220	5587.
#2	.2347	91.20	.8208	5586.
#3	.1127	91.49	.8738	5566.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3105.3	39077.	5857.0
Stddev	10.0	454.	54.8
%RSD	.32110	1.1611	.93632
#1	3115.2	39430.	5892.6
#2	3105.6	39235.	5884.6
#3	3095.2	38565.	5793.9

Sample Name: 460-109980-F-6-B Acquired: 4/13/2016 18:12:09 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	166.7	-2.168	.2551	110.8	.2256	35450.
Stddev	13.7	1.740	.0402	.2	.0537	13.
%RSD	8.203	80.26	15.74	.1449	23.82	.0356
#1	153.5	-.1803	.2870	110.9	.2350	35430.
#2	180.8	-3.416	.2682	110.8	.1678	35460.
#3	165.8	-2.909	.2100	110.6	.2740	35450.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2720	.2303	.0122	.3634	12.84	4951.
Stddev	.0920	.0438	.3460	.2106	13.84	34.
%RSD	33.83	19.00	2826.	57.95	107.8	.6859
#1	.3776	.2050	-.3866	.5665	28.79	4990.
#2	.2286	.2808	.2321	.3778	3.897	4932.
#3	.2097	.2050	.1913	.1460	5.840	4932.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5467.	234.5	26290.	10.08	-4.965	.4851
Stddev	16.	.1	80.	.32	1.497	1.288
%RSD	.2939	.0614	.3055	3.196	30.15	265.6
#1	5450.	234.7	26270.	10.45	-6.184	.8972
#2	5471.	234.5	26380.	9.835	-3.294	1.517
#3	5482.	234.4	26230.	9.972	-5.417	-.9589

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-109980-F-6-B Acquired: 4/13/2016 18:12:09 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.651	-1.030	.0714	13.75	48.74	-.8497
Stddev	4.007	.784	.1531	.12	.34	.0997
%RSD	109.7	76.09	214.2	.8966	.7021	11.73
#1	-4.803	-1.154	-.1012	13.84	48.38	-.7392
#2	.8055	-1.745	.1907	13.61	48.78	-.8771
#3	-6.956	-.1919	.1248	13.80	49.06	-.9328

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2088	139.2	1.083	6851.
Stddev	.8538	.6	.146	55.
%RSD	408.9	.4238	13.50	.7995
#1	.3405	139.4	.9404	6859.
#2	.2256	139.6	1.232	6901.
#3	-1.193	138.5	1.075	6792.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3136.8	39322.	5935.9
Stddev	4.2	9.	23.7
%RSD	.13482	.02236	.39890
#1	3140.0	39331.	5908.8
#2	3138.4	39314.	5952.8
#3	3132.0	39319.	5946.0

Sample Name: 460-111859-G-4-A Acquired: 4/13/2016 18:20:24 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32.86	-1.495	.2799	87.59	.0854	22850.
Stddev	7.24	1.420	.2321	.23	.0412	69.
%RSD	22.04	95.01	82.90	.2629	48.27	.3007
#1	24.93	-1.200	.1678	87.72	.0587	22790.
#2	39.13	-1.408	.5468	87.72	.1329	22930.
#3	34.51	-2.956	.1252	87.32	.0646	22840.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2995	.9765	1.439	1.531	26.66	3062.
Stddev	.0975	.2460	.603	.080	5.74	35.
%RSD	32.54	25.19	41.88	5.209	21.55	1.137
#1	-.4018	1.256	1.173	1.448	24.60	3097.
#2	-.2077	.8788	2.129	1.606	33.14	3060.
#3	-.2890	.7944	1.015	1.538	22.22	3028.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8997.	3.353	17770.	5.991	-2.609	1.275
Stddev	3.	.027	83.	.252	2.325	1.084
%RSD	.0366	.7930	.4695	4.209	89.14	85.08
#1	8993.	3.378	17850.	5.701	-2.234	1.419
#2	8998.	3.355	17690.	6.112	-5.099	.1251
#3	9000.	3.325	17760.	6.159	-.4936	2.280

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111859-G-4-A Acquired: 4/13/2016 18:20:24 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9371	-.2749	.9653	13.44	15.29	-.2414
Stddev	2.424	1.138	.4847	.14	.67	.1360
%RSD	258.6	413.9	50.21	1.078	4.357	56.33
#1	-3.623	-1.558	.4811	13.30	15.44	-.0845
#2	-.2752	.1232	.9645	13.44	15.87	-.3255
#3	1.087	.6103	1.450	13.59	14.57	-.3143

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2161	220.8	1.422	3707.
Stddev	1.253	1.5	.202	11.
%RSD	579.7	.6599	14.17	.3019
#1	-1.230	222.5	1.211	3716.
#2	.9536	220.0	1.443	3710.
#3	.9251	219.9	1.613	3695.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3131.3	38984.	5849.4
Stddev	11.4	111.	28.0
%RSD	.36477	.28348	.47786
#1	3140.9	39084.	5877.3
#2	3118.7	39003.	5849.6
#3	3134.4	38866.	5821.4

Sample Name: CCV Acquired: 4/13/2016 16:38:21 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120900.	2578.	1245.	10490.	995.8	129800.
Stddev	178.	15.	2.	7.	2.2	55.
%RSD	.1469	.5730	.1990	.0646	.2189	.0420

#1	120700.	2592.	1242.	10500.	993.5	129800.
#2	120900.	2562.	1246.	10490.	996.1	129900.
#3	121000.	2580.	1247.	10500.	997.9	129900.

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	1294.	2564.	5268.	12730.	101000.	49600.
Stddev	4.	7.	7.	10.	228.	118.
%RSD	.3159	.2909	.1359	.0748	.2261	.2374

#1	1297.	2568.	5270.	12720.	100900.	49460.
#2	1290.	2555.	5274.	12740.	100800.	49650.
#3	1296.	2568.	5260.	12730.	101200.	49680.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124300.	5224.	120100.	2623.	7526.	1000.
Stddev	373.	3.	45.	7.	44.	7.
%RSD	.3001	.0586	.0379	.2786	.5818	.7199

#1	124100.	5222.	120100.	2630.	7539.	1005.
#2	124100.	5223.	120000.	2615.	7477.	992.1
#3	124700.	5227.	120100.	2624.	7562.	1004.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/13/2016 16:38:21 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2447.	2581.	2570.	2549.	1032.	2590.
Stddev	22.	11.	2.	10.	7.	2.
%RSD	.9124	.4190	.0670	.3748	.7238	.0642

#1	2463.	2591.	2571.	2549.	1037.	2592.
#2	2422.	2582.	2571.	2539.	1023.	2589.
#3	2457.	2570.	2568.	2558.	1035.	2590.

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	1042.	5080.	10110.	9752.
Stddev	2.	9.	77.	43.
%RSD	.2156	.1809	.7644	.4359

#1	1043.	5071.	10110.	9797.
#2	1040.	5089.	10030.	9713.
#3	1044.	5079.	10190.	9745.

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	2986.7	37834.	5836.8
Stddev	13.0	54.	25.0
%RSD	.43595	.14325	.42914

#1	2980.3	37877.	5854.5
#2	3001.7	37773.	5847.8
#3	2978.1	37851.	5808.2

Sample Name: CCVL Acquired: 4/13/2016 16:46:20 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	207.3	12.80	10.09	217.0	2.095	5256.
Stddev	9.5	1.28	.13	1.4	.065	3.
%RSD	4.566	9.971	1.243	.6306	3.090	.0553

#1	216.4	14.27	9.984	215.8	2.152	5255.
#2	197.5	11.98	10.06	216.8	2.109	5260.
#3	207.9	12.14	10.23	218.5	2.025	5254.

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	4.181	54.19	10.45	25.19	147.4	4918.
Stddev	.076	.20	.51	.11	22.9	43.
%RSD	1.813	.3749	4.857	.4376	15.54	.8713

#1	4.188	54.10	10.88	25.23	137.4	4877.
#2	4.253	54.06	10.57	25.07	131.2	4915.
#3	4.102	54.43	9.887	25.28	173.6	4963.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4953.	16.48	4875.	43.98	11.79	20.96
Stddev	27.	.09	27.	.26	2.21	.45
%RSD	.5549	.5270	.5474	.5936	18.73	2.166

#1	4936.	16.39	4845.	43.70	14.33	20.45
#2	4938.	16.48	4897.	44.22	10.71	21.11
#3	4985.	16.56	4882.	44.02	10.33	21.32

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/13/2016 16:46:20 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.09	20.48	52.69	32.33	50.69	20.54
Stddev	3.13	1.14	.37	.23	.37	.12
%RSD	17.31	5.558	.6933	.6968	.7241	.5735

#1	19.43	19.18	52.31	32.10	50.62	20.65
#2	14.51	20.95	53.04	32.55	50.37	20.54
#3	20.33	21.30	52.72	32.35	51.09	20.42

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	51.74	21.13	20.92	F 15.97
Stddev	.71	.06	.13	9.18
%RSD	1.371	.2754	.6187	57.48

#1	51.32	21.13	20.78	20.59
#2	52.56	21.18	20.95	5.396
#3	51.34	21.07	21.04	21.91

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	3155.1	39372.	5797.6
Stddev	14.5	233.	48.0
%RSD	.46039	.59159	.82819

#1	3138.4	39285.	5783.8
#2	3162.1	39196.	5758.0
#3	3164.8	39636.	5851.0

Sample Name: 460-111859-G-7-A@2 Acquired: 4/13/2016 18:36:45 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28.64	1.995	-.2307	311.5	-.0192	8914.
Stddev	18.05	2.685	.3571	2.1	.0838	82.
%RSD	63.02	134.6	154.8	.6844	436.5	.9225
#1	10.29	-.4166	-.4793	310.0	.0456	8844.
#2	46.37	1.512	-.3912	310.6	-.1139	8894.
#3	29.26	4.888	.1785	313.9	.0107	9005.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5892	16.61	1.146	-.9478	22610.	1690.
Stddev	.1072	.23	.338	.0879	172.	19.
%RSD	18.19	1.405	29.45	9.272	.7610	1.124
#1	-.6997	16.34	.7563	-1.048	22430.	1676.
#2	-.5821	16.73	1.337	-.8853	22630.	1712.
#3	-.4858	16.75	1.345	-.9099	22770.	1682.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4067.	3386.	16290.	.1701	-.1085	2.187
Stddev	37.	18.	41.	.6218	.4214	.916
%RSD	.8983	.5316	.2544	365.6	388.5	41.88
#1	4032.	3367.	16330.	-.0988	-.4910	3.205
#2	4063.	3390.	16280.	-.2720	-.1776	1.430
#3	4105.	3402.	16250.	.8810	.3432	1.926

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111859-G-7-A@2 Acquired: 4/13/2016 18:36:45 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6425	.1446	-2.167	2.875	10.11	-.0540
Stddev	1.033	2.383	.357	.334	.58	.2899
%RSD	160.8	1648.	16.46	11.62	5.729	537.0
#1	.4345	-1.411	-1.902	2.497	10.66	-.2876
#2	-.2709	2.888	-2.027	2.997	10.18	-.1448
#3	1.764	-1.042	-2.573	3.130	9.503	.2705

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7798	86.70	.9438	3002.
Stddev	.5544	.34	.1656	22.
%RSD	71.10	.3968	17.54	.7398
#1	.2900	86.43	.9043	2979.
#2	1.382	87.09	.8016	3023.
#3	.6676	86.58	1.126	3006.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3116.7	39044.	5891.9
Stddev	1.1	139.	27.3
%RSD	.03475	.35724	.46335
#1	3117.9	39180.	5860.4
#2	3116.3	39050.	5909.1
#3	3115.8	38901.	5906.2

Sample Name: 460-111972-E-4-D@4 Acquired: 4/13/2016 16:50:25 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5921.	11.81	.2143	22.22	.1341	530.6
Stddev	61.	2.41	.3368	.21	.1276	13.3
%RSD	1.038	20.39	157.2	.9390	95.22	2.504
#1	5894.	9.300	.4651	21.99	.2721	519.3
#2	5877.	12.02	-.1686	22.38	.1099	527.4
#3	5991.	14.10	.3464	22.31	.0202	545.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5135	.2108	26.62	8.725	11160.	1203.
Stddev	.1057	.0303	.24	.378	55.	41.
%RSD	20.58	14.38	.9175	4.331	.4914	3.367
#1	-.3924	.2458	26.36	8.322	11100.	1184.
#2	-.5606	.1932	26.65	9.071	11180.	1250.
#3	-.5874	.1935	26.84	8.784	11200.	1176.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	394.7	9.383	52.74	.8133	10.78	1.405
Stddev	9.5	.110	1.30	.1456	.74	.609
%RSD	2.413	1.176	2.470	17.91	6.831	43.32
#1	384.0	9.257	51.52	.9240	11.22	.7836
#2	397.8	9.465	54.12	.6483	9.930	2.000
#3	402.3	9.426	52.59	.8676	11.20	1.431

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111972-E-4-D@4 Acquired: 4/13/2016 16:50:25 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.013	-.9361	23.88	5.286	3.796	.7722
Stddev	1.780	.6773	.37	.178	.162	.1318
%RSD	88.42	72.36	1.554	3.362	4.266	17.07
#1	2.036	-.8205	23.47	5.337	3.745	.6566
#2	3.780	-1.664	23.99	5.433	3.666	.9157
#3	.2212	-.3240	24.18	5.089	3.977	.7444

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7534	10.70	84.33	1316.
Stddev	1.043	.02	.40	7.
%RSD	138.4	.2085	.4722	.5637
#1	-.2173	10.68	83.90	1307.
#2	.6223	10.72	84.40	1321.
#3	1.855	10.70	84.68	1319.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3127.5	39319.	5867.6
Stddev	6.8	111.	44.6
%RSD	.21823	.28266	.76074
#1	3134.9	39445.	5893.1
#2	3126.3	39236.	5893.6
#3	3121.4	39275.	5816.0

Sample Name: 460-111966-B-1-D MS Acquired: 4/13/2016 19:01:07 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	80790.	1077.	22.25	1659.	27.62	20660.
Stddev	292.	4.	.08	3.	.27	99.
%RSD	.3607	.3287	.3480	.1693	.9714	.4807
#1	80540.	1081.	22.17	1658.	27.32	20550.
#2	80730.	1074.	22.27	1657.	27.69	20750.
#3	81110.	1076.	22.31	1662.	27.85	20680.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22.57	289.4	204.6	309.4	122400.	15320.
Stddev	.19	.9	.7	1.5	127.	76.
%RSD	.8332	.3054	.3665	.4751	.1034	.4941
#1	22.44	288.5	204.1	310.2	122500.	15260.
#2	22.49	289.5	204.1	307.7	122200.	15300.
#3	22.79	290.3	205.4	310.4	122400.	15400.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29450.	2682.	10410.	364.2	485.2	92.33
Stddev	28.	4.	61.	1.7	1.4	.64
%RSD	.0961	.1459	.5854	.4598	.2878	.6903
#1	29430.	2678.	10350.	362.4	486.8	93.07
#2	29450.	2685.	10410.	364.5	484.6	91.99
#3	29480.	2683.	10480.	365.7	484.1	91.94

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111966-B-1-D MS Acquired: 4/13/2016 19:01:07 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	870.9	989.2	383.9	605.4	254.2	231.8
Stddev	4.4	5.3	1.6	2.3	.7	.9
%RSD	.5033	.5315	.4258	.3735	.2638	.3892
#1	866.0	983.1	383.7	602.9	253.5	230.8
#2	872.4	991.6	382.4	605.9	254.8	231.9
#3	874.4	992.8	385.7	607.3	254.2	232.5

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	225.4	337.6	1793.	2205.
Stddev	1.3	.3	1.	12.
%RSD	.5933	.0913	.0822	.5628
#1	224.7	337.6	1791.	2191.
#2	227.0	337.3	1793.	2208.
#3	224.7	337.9	1793.	2214.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3191.1	39862.	5950.3
Stddev	1.8	32.	34.8
%RSD	.05590	.07994	.58501
#1	3190.1	39830.	5982.2
#2	3193.2	39893.	5955.5
#3	3190.2	39864.	5913.1

Sample Name: 460-111972-E-5-B@4 Acquired: 4/13/2016 16:54:32 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8008.	40.49	-.0288	29.32	.2173	564.3
Stddev	90.	1.65	.1198	.13	.0703	2.0
%RSD	1.118	4.084	415.8	.4341	32.35	.3519

#1	7955.	38.76	-.1526	29.43	.1376	562.3
#2	7957.	42.05	-.0205	29.18	.2704	566.3
#3	8111.	40.65	.0866	29.35	.2439	564.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7652	1.134	33.44	14.22	29080.	1969.
Stddev	.0674	.320	.18	.07	156.	13.
%RSD	8.803	28.24	.5381	.4854	.5372	.6778

#1	-.8357	1.254	33.59	14.15	28940.	1978.
#2	-.7584	.7708	33.24	14.23	29250.	1954.
#3	-.7015	1.376	33.48	14.29	29060.	1975.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	669.4	35.47	65.69	2.251	15.25	1.524
Stddev	7.0	.11	5.60	.195	2.43	1.142
%RSD	1.049	.3094	8.530	8.668	15.95	74.92

#1	663.6	35.34	63.69	2.082	12.46	.2110
#2	677.2	35.54	61.37	2.205	16.41	2.285
#3	667.4	35.52	72.02	2.464	16.89	2.076

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111972-E-5-B@4 Acquired: 4/13/2016 16:54:32 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.513	-1.132	43.78	15.72	6.483	1.730
Stddev	1.513	.4550	.40	.11	.519	.217
%RSD	60.18	402.0	.9187	.7104	8.006	12.56
#1	.8126	-.6279	43.55	15.77	7.082	1.912
#2	3.019	.2353	44.24	15.80	6.209	1.489
#3	3.708	.0531	43.53	15.60	6.158	1.788

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.095	9.663	214.5	1408.
Stddev	.404	.021	1.5	13.
%RSD	36.91	.2213	.6859	.9120
#1	1.117	9.688	214.0	1398.
#2	.6803	9.649	216.2	1423.
#3	1.488	9.653	213.4	1403.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3122.9	39292.	5867.9
Stddev	9.9	122.	53.6
%RSD	.31675	.31122	.91294
#1	3124.0	39254.	5852.6
#2	3112.5	39194.	5927.4
#3	3132.2	39429.	5823.6

Sample Name: CCV Acquired: 4/13/2016 19:16:52 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122400.	2493.	1243.	10250.	997.2	128800.
Stddev	443.	20.	3.	24.	2.2	116.
%RSD	.3622	.8105	.2784	.2310	.2198	.0902

#1	122600.	2516.	1242.	10280.	998.7	128900.
#2	121900.	2483.	1240.	10240.	994.7	128700.
#3	122700.	2480.	1246.	10230.	998.4	128900.

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.	2528.	5173.	12470.	101400.	49440.
Stddev	4.	8.	8.	34.	138.	122.
%RSD	.3324	.3003	.1612	.2702	.1360	.2466

#1	1274.	2537.	5182.	12510.	101300.	49570.
#2	1267.	2523.	5166.	12450.	101400.	49320.
#3	1266.	2524.	5171.	12440.	101600.	49420.

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.	5182.	121600.	2558.	7512.	979.3
Stddev	292.	8.	542.	8.	11.	4.5
%RSD	.2328	.1518	.4456	.3125	.1412	.4617

#1	125300.	5186.	121800.	2567.	7524.	984.4
#2	125100.	5172.	121000.	2554.	7508.	977.2
#3	125700.	5186.	122100.	2554.	7505.	976.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/13/2016 19:16:52 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2421.	2545.	2543.	2555.	997.8	2530.
Stddev	12.	7.	3.	5.	4.6	7.
%RSD	.4777	.2738	.1222	.1936	.4635	.2574

#1	2435.	2553.	2546.	2558.	1003.	2537.
#2	2416.	2540.	2540.	2550.	994.6	2527.
#3	2414.	2542.	2543.	2558.	995.7	2525.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1022.	5040.	10130.	9524.
Stddev	3.	13.	15.	32.
%RSD	.3119	.2548	.1458	.3400

#1	1025.	5055.	10130.	9539.
#2	1022.	5032.	10110.	9545.
#3	1019.	5033.	10140.	9486.

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	3001.6	37660.	5632.7
Stddev	7.5	100.	58.0
%RSD	.25084	.26579	1.0298

#1	2999.6	37690.	5667.1
#2	3010.0	37741.	5665.3
#3	2995.3	37548.	5565.7

Sample Name: CCB Acquired: 4/13/2016 19:20:38 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-21.94	-.9774	.1243	.2194	.0069	-14.72
Stddev	8.11	1.129	.4349	.0820	.1160	1.97
%RSD	36.98	115.5	349.8	37.39	1676.	13.36
#1	-27.17	-.6906	.6255	.2310	.0605	-15.62
#2	-12.59	-2.222	-.1538	.2951	-.1261	-12.46
#3	-26.05	-.0195	-.0987	.1322	.0864	-16.07

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1406	.1181	-.1882	-.1371	-7.411	12.81
Stddev	.0528	.1189	.0458	.3379	3.246	6.56
%RSD	37.58	100.7	24.34	246.5	43.80	51.25
#1	-.1506	.2507	-.1364	-.3135	-4.175	15.98
#2	-.0835	.0826	-.2045	.2525	-10.67	17.19
#3	-.1877	.0210	-.2235	-.3504	-7.393	5.262

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.569	.0980	2.281	-.3329	-1.073	2.114
Stddev	3.161	.0565	2.081	.0833	.618	1.035
%RSD	69.20	57.65	91.23	25.03	57.60	48.95
#1	8.203	.0950	1.101	-.2581	-1.604	.9694
#2	2.457	.0430	1.058	-.3180	-.3945	2.388
#3	3.045	.1559	4.683	-.4227	-1.221	2.983

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/13/2016 19:20:38 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.864	-.8406	.1252	-.0164	.3144	.3948
Stddev	1.452	.9471	.2088	.0311	.1826	.3774
%RSD	77.92	112.7	166.8	189.4	58.09	95.60
#1	-.3679	-.6636	-.1023	-.0444	.4788	.8047
#2	-3.268	.0056	.3080	-.0220	.1178	.3182
#3	-1.955	-1.864	.1698	.0171	.3464	.0615

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3114	.0719	.3617	5.698
Stddev	.3469	.0256	.0808	18.82
%RSD	111.4	35.60	22.34	330.3
#1	-.0455	.1007	.4550	-4.086
#2	-.1851	.0520	.3128	-6.213
#3	-.7038	.0629	.3173	27.39

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	3210.2	39708.	5785.5
Stddev	25.2	361.	114.9
%RSD	.78567	.90991	1.9865
#1	3193.2	39406.	5656.6
#2	3198.2	39609.	5822.7
#3	3239.2	40108.	5877.3

Sample Name: 460-111285-A-6-A@4 Acquired: 4/13/2016 19:33:01 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	116300.	16.62	-1.116	581.7	3.200	4132.
Stddev	226.	1.58	.503	1.4	.023	20.
%RSD	.1939	9.516	45.10	.2336	.7259	.4874

#1	116500.	16.83	-1.013	580.9	3.225	4149.
#2	116100.	14.94	-1.662	583.3	3.198	4110.
#3	116400.	18.08	-.6720	581.0	3.178	4137.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.021	43.54	164.4	90.72	134800.	16250.
Stddev	.129	.20	.9	.49	281.	43.
%RSD	6.373	.4648	.5178	.5408	.2084	.2638

#1	-2.167	43.45	165.3	91.21	135100.	16230.
#2	-1.974	43.41	164.1	90.23	134700.	16230.
#3	-1.922	43.78	163.7	90.72	134500.	16300.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27030.	1582.	186.5	67.21	77.20	2.169
Stddev	71.	1.	9.9	.33	3.08	2.484
%RSD	.2626	.0926	5.321	.4916	3.986	114.5

#1	27060.	1581.	191.3	67.25	79.41	-.6852
#2	26950.	1582.	175.1	66.86	78.50	3.345
#3	27090.	1584.	193.1	67.52	73.68	3.846

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111285-A-6-A@4 Acquired: 4/13/2016 19:33:01 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.961	-4.166	277.4	340.3	4.554	3.976
Stddev	1.585	1.367	.8	1.1	.428	.143
%RSD	15.92	32.82	.2975	.3229	9.392	3.588
#1	9.163	-3.021	278.2	341.6	4.188	4.113
#2	8.933	-3.796	277.4	339.6	5.024	3.828
#3	11.79	-5.680	276.5	339.8	4.451	3.985

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.312	39.30	5904.	1841.
Stddev	.259	.21	3.	26.
%RSD	7.819	.5379	.0517	1.396
#1	3.060	39.11	5907.	1864.
#2	3.577	39.27	5903.	1846.
#3	3.297	39.52	5901.	1813.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3331.6	41522.	6267.4
Stddev	10.9	85.	36.8
%RSD	.32580	.20580	.58772
#1	3321.0	41435.	6242.8
#2	3331.1	41606.	6309.8
#3	3342.7	41526.	6249.6

Sample Name: 460-111285-A-2-A@4 Acquired: 4/13/2016 19:29:00 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	106700.	36.73	-4857	480.2	3.313	5915.
Stddev	2528.	.98	.3164	7.4	.056	66.
%RSD	2.369	2.659	65.14	1.545	1.675	1.122

#1	103900.	35.73	-.8503	471.7	3.318	5838.
#2	107400.	37.68	-.3226	483.3	3.255	5955.
#3	108800.	36.77	-.2841	485.6	3.365	5952.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.035	32.13	181.0	73.09	153700.	10460.
Stddev	.014	.40	1.7	.94	2590.	202.
%RSD	.7016	1.255	.9471	1.283	1.685	1.930

#1	-2.041	31.70	179.0	72.04	150800.	10240.
#2	-2.045	32.50	181.9	73.42	154600.	10480.
#3	-2.018	32.20	181.9	73.82	155800.	10650.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17060.	1502.	141.8	75.31	66.95	2.614
Stddev	258.	24.	8.0	1.42	1.73	2.545
%RSD	1.513	1.574	5.661	1.893	2.589	97.35

#1	16770.	1475.	132.6	73.78	65.11	3.944
#2	17130.	1510.	145.3	75.53	67.21	4.218
#3	17280.	1520.	147.4	76.61	68.54	-.3201

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111285-A-2-A@4 Acquired: 4/13/2016 19:29:00 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.85	-2.971	256.9	373.1	15.67	5.216
Stddev	5.24	.397	2.7	6.0	.69	.125
%RSD	40.77	13.35	1.049	1.603	4.416	2.389
#1	9.111	-2.913	253.8	366.2	15.05	5.168
#2	10.61	-2.608	258.7	376.0	16.42	5.122
#3	18.84	-3.394	258.1	377.0	15.55	5.357

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.922	41.31	3741.	1630.
Stddev	.229	1.05	69.	45.
%RSD	5.839	2.539	1.831	2.776
#1	4.123	40.19	3667.	1578.
#2	3.971	41.47	3753.	1654.
#3	3.673	42.27	3803.	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	3350.3	41859.	6337.7
Stddev	18.4	239.	4.0
%RSD	.54776	.57190	.06292
#1	3355.2	41720.	6342.3
#2	3330.0	41722.	6335.8
#3	3365.7	42136.	6335.0

Sample Name: 460-111972-E-8-B@4 Acquired: 4/13/2016 17:06:52 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6830.	32.62	-.1413	24.49	.2554	453.7
Stddev	89.	1.04	.7422	.28	.0540	7.4
%RSD	1.297	3.176	525.3	1.129	21.13	1.623
#1	6801.	31.82	-.9897	24.21	.3159	445.2
#2	6760.	32.25	.1780	24.48	.2382	457.5
#3	6930.	33.79	.3878	24.77	.2121	458.4

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7359	.8064	26.05	11.07	26280.	1745.
Stddev	.0568	.2344	.44	.44	228.	33.
%RSD	7.719	29.07	1.693	4.009	.8691	1.901
#1	-.7534	.9873	26.55	10.73	26100.	1724.
#2	-.6724	.5416	25.74	10.91	26190.	1728.
#3	-.7819	.8904	25.85	11.57	26530.	1783.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	594.8	33.01	52.10	2.050	11.90	1.175
Stddev	3.2	.24	11.51	.491	1.04	1.528
%RSD	.5370	.7229	22.09	23.95	8.751	130.0
#1	593.3	32.76	64.25	1.671	10.70	1.367
#2	592.6	33.02	41.36	1.874	12.53	2.597
#3	598.4	33.24	50.68	2.605	12.48	-.4400

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-111972-E-8-B@4 Acquired: 4/13/2016 17:06:52 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.597	-.9196	39.26	14.08	6.931	1.550
Stddev	1.321	.2580	.16	.26	.363	.256
%RSD	50.85	28.05	.4083	1.860	5.235	16.54
#1	3.519	-1.003	39.26	13.83	6.516	1.753
#2	3.187	-.6302	39.42	14.35	7.191	1.635
#3	1.084	-1.125	39.10	14.04	7.086	1.262

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0046	8.018	197.9	1298.
Stddev	.4943	.040	1.2	38.
%RSD	10810.	.5040	.5856	2.902
#1	-.5196	8.005	197.0	1279.
#2	.4623	8.063	197.4	1341.
#3	.0710	7.986	199.2	1274.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3084.4	38596.	5695.0
Stddev	27.3	416.	150.8
%RSD	.88352	1.0766	2.6479
#1	3115.1	38846.	5758.3
#2	3063.2	38826.	5803.9
#3	3074.9	38116.	5522.9

Sample Name: 460-111285-A-73-A@4 Acquired: 4/13/2016 19:45:02 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	104400.	51.73	-.9865	1184.	4.244	13750.
Stddev	222.	2.12	.3730	2.	.129	111.
%RSD	.2124	4.091	37.81	.2085	3.040	.8081

#1	104200.	54.09	-1.417	1186.	4.117	13670.
#2	104500.	51.07	-.7636	1185.	4.239	13710.
#3	104600.	50.02	-.7788	1181.	4.375	13880.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4431	51.11	186.0	143.8	119100.	17720.
Stddev	.3048	.34	1.2	.8	296.	95.
%RSD	68.80	.6740	.6679	.5797	.2485	.5378

#1	-.3059	51.23	184.6	142.8	118800.	17640.
#2	-.2309	51.39	186.5	144.1	119200.	17680.
#3	-.7924	50.73	186.9	144.4	119400.	17820.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29240.	3744.	245.9	78.49	269.6	3.841
Stddev	142.	14.	3.7	.25	.9	1.314
%RSD	.4857	.3871	1.511	.3237	.3184	34.22

#1	29130.	3734.	244.7	78.79	270.5	5.305
#2	29190.	3737.	250.1	78.36	269.7	2.765
#3	29400.	3760.	242.9	78.34	268.7	3.452

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111285-A-73-A@4 Acquired: 4/13/2016 19:45:02 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.386	-1.942	235.3	761.7	1.956	6.983
Stddev	1.201	1.853	1.2	1.4	.101	.029
%RSD	12.80	95.43	.5123	.1773	5.141	.4230
#1	8.001	-1.542	234.1	760.6	2.056	7.008
#2	10.13	-.3217	235.3	763.2	1.855	6.992
#3	10.02	-3.963	236.5	761.3	1.956	6.951

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	6.117	97.38	6685.	1656.
Stddev	.923	.40	10.	8.
%RSD	15.09	.4077	.1553	.5059
#1	7.170	96.95	6677.	1657.
#2	5.453	97.45	6681.	1663.
#3	5.727	97.74	6697.	1647.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3782.4	47060.	7180.7
Stddev	7.7	239.	57.9
%RSD	.20226	.50840	.80644
#1	3786.3	47148.	7208.5
#2	3773.6	47242.	7219.4
#3	3787.4	46789.	7114.1

Sample Name: 460-111285-A-82-A@4 Acquired: 4/13/2016 19:53:12 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	92190.	64.73	-1.021	985.4	4.563	4596.
Stddev	361.	1.97	.397	1.2	.056	53.
%RSD	.3916	3.049	38.92	.1194	1.225	1.157
#1	92070.	64.09	-.6937	984.7	4.500	4557.
#2	91900.	63.16	-.9060	986.8	4.583	4574.
#3	92590.	66.95	-1.463	984.8	4.606	4656.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.593	53.72	138.2	91.23	113000.	12570.
Stddev	.243	.53	1.2	.43	871.	51.
%RSD	15.27	.9837	.8325	.4669	.7707	.4042
#1	-1.349	53.29	136.9	90.83	112300.	12570.
#2	-1.596	54.31	138.7	91.67	112600.	12520.
#3	-1.835	53.57	139.1	91.19	113900.	12620.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25300.	3538.	69.04	63.49	83.86	5.169
Stddev	161.	21.	2.67	.60	1.71	.817
%RSD	.6355	.6019	3.868	.9451	2.040	15.80
#1	25160.	3517.	71.63	62.85	84.28	6.098
#2	25250.	3536.	66.29	64.04	81.97	4.567
#3	25470.	3560.	69.18	63.59	85.32	4.842

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111285-A-82-A@4 Acquired: 4/13/2016 19:53:12 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.35	-1.259	249.1	391.4	1.365	5.610
Stddev	1.23	1.737	1.3	4.6	.475	.164
%RSD	11.93	138.0	.5155	1.175	34.82	2.919
#1	9.333	.7464	247.9	386.3	1.015	5.485
#2	11.72	-2.232	249.0	392.8	1.174	5.795
#3	9.985	-2.291	250.5	395.2	1.907	5.549

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.984	69.49	5078.	1228.
Stddev	.477	.39	17.	27.
%RSD	11.99	.5561	.3350	2.176
#1	3.458	69.19	5065.	1228.
#2	4.102	69.93	5073.	1255.
#3	4.391	69.35	5097.	1202.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3709.2	45818.	6901.7
Stddev	9.4	383.	142.6
%RSD	.25312	.83598	2.0666
#1	3719.9	45899.	6914.5
#2	3702.4	46153.	7037.5
#3	3705.3	45400.	6753.1

Sample Name: 460-111285-A-97-A@4 Acquired: 4/13/2016 20:01:14 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122200.	29.77	-1.083	637.4	3.918	6257.
Stddev	2247.	.44	.278	9.8	.124	110.
%RSD	1.839	1.487	25.69	1.542	3.176	1.755
#1	119800.	29.58	-1.260	627.0	3.895	6136.
#2	122600.	30.28	-.7624	638.6	4.052	6286.
#3	124200.	29.45	-1.227	646.6	3.806	6350.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.524	41.64	197.5	77.52	172900.	9795.
Stddev	.130	.74	2.9	1.49	2762.	192.
%RSD	5.155	1.777	1.468	1.919	1.597	1.961
#1	-2.507	40.79	194.2	75.99	169800.	9600.
#2	-2.404	42.00	199.0	77.60	173900.	9801.
#3	-2.662	42.14	199.4	78.96	175000.	9984.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19060.	1180.	118.9	83.36	99.98	2.605
Stddev	380.	20.	7.5	1.47	2.34	.698
%RSD	1.995	1.724	6.297	1.768	2.345	26.78
#1	18650.	1158.	114.3	82.33	97.42	2.909
#2	19130.	1185.	114.9	82.70	100.5	3.099
#3	19400.	1198.	127.6	85.05	102.0	1.807

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111285-A-97-A@4 Acquired: 4/13/2016 20:01:14 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.32	-3.906	283.1	260.7	13.57	5.773
Stddev	2.23	2.327	4.1	3.3	.24	.377
%RSD	16.77	59.58	1.459	1.284	1.773	6.534
#1	15.82	-4.056	278.7	257.2	13.70	5.372
#2	12.62	-6.154	283.6	261.0	13.71	5.827
#3	11.52	-1.507	287.0	263.9	13.29	6.121

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.306	58.48	3995.	1759.
Stddev	.369	1.15	70.	47.
%RSD	11.17	1.966	1.742	2.675
#1	3.474	57.31	3919.	1705.
#2	3.562	58.52	4010.	1781.
#3	2.883	59.61	4056.	1791.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3334.1	41286.	6294.3
Stddev	8.8	158.	15.4
%RSD	.26333	.38313	.24476
#1	3324.8	41165.	6305.7
#2	3335.1	41230.	6276.8
#3	3342.3	41465.	6300.5

Sample Name: 460-112004-D-2-A@4 Acquired: 4/13/2016 17:14:59 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29880.	26.72	-.5616	325.1	2.151	8492.
Stddev	188.	.96	.3963	2.7	.045	117.
%RSD	.6275	3.605	70.57	.8397	2.078	1.373

#1	30060.	25.83	-.3746	323.2	2.100	8418.
#2	29880.	26.59	-.2934	323.9	2.168	8431.
#3	29690.	27.74	-1.017	328.3	2.185	8626.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5297	100.7	166.0	280.9	86100.	4949.
Stddev	.0622	.8	2.2	2.6	664.	20.
%RSD	11.75	.8361	1.298	.9172	.7710	.4042

#1	-.4733	100.1	164.9	280.1	85890.	4936.
#2	-.5965	100.2	164.6	278.8	85570.	4972.
#3	-.5194	101.6	168.5	283.7	86850.	4940.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21520.	850.0	500.7	888.1	364.6	1.478
Stddev	202.	9.2	6.5	8.8	5.4	1.032
%RSD	.9365	1.086	1.291	.9901	1.474	69.80

#1	21460.	846.6	506.1	882.9	360.5	1.446
#2	21350.	842.9	493.5	883.1	362.7	2.526
#3	21740.	860.4	502.4	898.2	370.7	.4631

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-112004-D-2-A@4 Acquired: 4/13/2016 17:14:59 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.049	-1.652	90.33	3030.	9.387	6.122
Stddev	.649	1.630	1.00	23.	.390	.051
%RSD	10.73	98.66	1.105	.7712	4.153	.8277
#1	5.456	-3.432	89.89	3020.	9.833	6.162
#2	5.948	-.2307	89.63	3014.	9.218	6.139
#3	6.743	-1.295	91.47	3057.	9.111	6.065

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	11.88	98.59	1480.	1010.
Stddev	.59	.28	13.	14.
%RSD	4.972	.2791	.8523	1.405
#1	11.57	98.81	1475.	1023.
#2	11.51	98.67	1471.	1012.
#3	12.56	98.28	1495.	994.5

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	3173.8	40129.	6051.2
Stddev	15.3	383.	25.6
%RSD	.48298	.95539	.42266
#1	3170.7	39968.	6025.2
#2	3190.4	40567.	6076.3
#3	3160.2	39852.	6052.2

Sample Name: 460-111964-B-1-B@4 Acquired: 4/13/2016 20:05:14 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33620.	20.54	-1.189	407.6	1.746	19810.
Stddev	161.	2.73	.4585	4.0	.152	97.
%RSD	.4796	13.27	385.6	.9806	8.731	.4906

#1	33440.	17.88	.3721	403.1	1.652	19700.
#2	33690.	20.42	-.5359	409.1	1.922	19840.
#3	33740.	23.33	-.1928	410.6	1.663	19880.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7622	32.84	75.90	145.8	81600.	3534.
Stddev	.2323	.09	.66	.9	570.	38.
%RSD	30.48	.2707	.8696	.6385	.6980	1.085

#1	-.5147	32.92	75.26	145.0	80980.	3523.
#2	-.7963	32.84	75.87	145.5	81730.	3577.
#3	-.9756	32.75	76.58	146.8	82100.	3503.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17650.	1758.	6357.	91.68	244.5	4.171
Stddev	113.	7.	49.	.53	1.0	1.019
%RSD	.6377	.3857	.7632	.5817	.4113	24.43

#1	17520.	1751.	6301.	91.90	243.5	3.390
#2	17720.	1760.	6385.	91.07	245.5	5.324
#3	17720.	1764.	6385.	92.07	244.5	3.798

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111964-B-1-B@4 Acquired: 4/13/2016 20:05:14 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.618	-1.761	120.1	378.4	52.67	6.905
Stddev	1.241	.225	.5	1.7	1.04	.281
%RSD	14.40	12.78	.4355	.4514	1.980	4.072
#1	7.329	-1.997	119.5	376.8	51.80	6.999
#2	8.718	-1.739	120.5	378.3	52.39	6.588
#3	9.806	-1.548	120.2	380.2	53.83	7.126

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	20.35	91.74	2127.	1680.
Stddev	.86	.55	11.	23.
%RSD	4.227	.5958	.5009	1.368
#1	20.91	91.12	2116.	1662.
#2	20.78	92.12	2128.	1673.
#3	19.36	91.99	2138.	1706.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3151.2	39128.	5802.7
Stddev	10.1	158.	53.3
%RSD	.31910	.40464	.91801
#1	3141.1	39022.	5801.0
#2	3151.1	39053.	5750.2
#3	3161.2	39310.	5856.7

Sample Name: CCB Acquired: 4/13/2016 20:13:16 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.244	-1.297	.4061	.1964	.0349	-4.015
Stddev	22.10	.568	.2073	.1438	.0643	11.00
%RSD	520.8	43.77	51.04	73.24	184.4	274.1
#1	-13.39	-1.951	.6428	.3513	.0267	-8.604
#2	29.04	-.9342	.2567	.0671	.1028	8.541
#3	-2.913	-1.005	.3189	.1708	-.0249	-11.98

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0581	.1291	.0907	.5225	7.252	5.746
Stddev	.1306	.0314	.3308	.4354	8.652	33.33
%RSD	224.9	24.29	364.7	83.33	119.3	580.0
#1	.0279	.1042	.3061	.3285	16.97	30.28
#2	.0062	.1643	.2562	1.021	4.409	19.16
#3	-.2083	.1187	-.2902	.2178	.3783	-32.20

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.719	.2835	7.703	-.3779	.0331	1.193
Stddev	2.798	.2507	13.28	.2244	.4159	.616
%RSD	36.25	88.45	172.4	59.36	1256.	51.63
#1	4.905	.1790	2.584	-.6370	.2636	.8915
#2	10.50	.5695	22.79	-.2507	.2828	.7861
#3	7.750	.1019	-2.259	-.2462	-.4470	1.902

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/13/2016 20:13:16 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.308	-.6009	-.4421	-.1243	-.0766	.5280
Stddev	2.511	1.840	.5219	.0099	.2261	.4984
%RSD	108.8	306.2	118.0	7.938	294.9	94.39
#1	.4313	-2.426	-.7773	-.1304	-.3004	1.029
#2	-2.856	-.6297	.1592	-.1295	-.0812	.5228
#3	-4.501	1.253	-.7082	-.1129	.1516	.0323

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1384	.3544	.7953	11.79
Stddev	.3080	.5367	.6825	11.50
%RSD	222.6	151.5	85.82	97.56
#1	-.0239	.0553	.5032	3.248
#2	.4936	.9740	1.575	7.253
#3	-.0546	.0338	.3075	24.87

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	3187.2	39714.	5752.4
Stddev	7.3	161.	39.2
%RSD	.22981	.40561	.68161
#1	3190.3	39898.	5784.3
#2	3178.8	39648.	5764.2
#3	3192.4	39596.	5708.6

Sample Name: 460-111964-B-3-B@4 Acquired: 4/13/2016 20:25:43 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39930.	11.40	.2643	519.5	2.700	19590.
Stddev	326.	1.32	.3844	4.5	.059	130.
%RSD	.8152	11.60	145.5	.8606	2.176	.6651

#1	39640.	11.00	.4263	514.3	2.652	19520.
#2	39860.	12.87	-.1747	522.3	2.766	19520.
#3	40280.	10.32	.5411	521.9	2.683	19740.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8925	36.61	74.85	267.3	81420.	6594.
Stddev	.0428	.37	.26	1.6	308.	73.
%RSD	4.795	1.001	.3488	.6116	.3781	1.101

#1	-.8741	36.37	74.65	266.8	81320.	6530.
#2	-.9415	37.03	74.75	265.9	81170.	6579.
#3	-.8621	36.43	75.14	269.1	81760.	6673.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19280.	797.5	1802.	131.4	306.3	1.927
Stddev	134.	5.2	16.	.8	.6	1.095
%RSD	.6966	.6492	.8606	.5991	.1798	56.81

#1	19250.	795.2	1804.	130.6	305.9	1.301
#2	19170.	793.9	1785.	132.2	306.2	3.191
#3	19430.	803.5	1816.	131.6	306.9	1.289

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111964-B-3-B@4 Acquired: 4/13/2016 20:25:43 Type: Unk
 Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.178	-1.078	145.5	513.0	101.3	4.818
Stddev	2.814	1.102	.8	1.0	.8	.424
%RSD	34.41	102.2	.5325	.1920	.8012	8.808
#1	9.806	-2.336	145.5	511.9	100.4	4.339
#2	4.929	-.2851	144.8	513.6	102.0	4.971
#3	9.800	-.6124	146.3	513.6	101.3	5.145

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	28.48	87.48	3111.	1498.
Stddev	.46	.68	19.	19.
%RSD	1.611	.7820	.5951	1.237
#1	29.01	87.15	3103.	1477.
#2	28.23	87.02	3098.	1505.
#3	28.20	88.26	3132.	1511.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3190.8	39884.	5980.1
Stddev	20.4	220.	53.1
%RSD	.63930	.55279	.88725
#1	3213.1	40006.	6003.7
#2	3186.3	40016.	6017.2
#3	3173.1	39630.	5919.3

Sample Name: 460-111961-B-1-D@4 Acquired: 4/13/2016 20:29:46 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43420.	30.23	.3140	445.0	2.842	24430.
Stddev	98.	1.95	.3765	1.1	.050	10.
%RSD	.2259	6.459	119.9	.2360	1.741	.0424

#1	43340.	31.13	.7467	446.2	2.785	24450.
#2	43400.	27.99	.1346	444.2	2.873	24430.
#3	43530.	31.57	.0607	444.6	2.868	24430.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8237	46.54	128.9	604.9	126500.	5247.
Stddev	.1409	.49	.7	.9	168.	44.
%RSD	17.10	1.053	.5221	.1548	.1327	.8456

#1	-.6712	45.98	128.1	605.4	126600.	5222.
#2	-.9490	46.75	129.0	605.4	126300.	5222.
#3	-.8508	46.88	129.4	603.8	126600.	5299.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20760.	1063.	8268.	138.2	1094.	3.057
Stddev	8.	2.	27.	.4	3.	1.243
%RSD	.0409	.2310	.3242	.3195	.3156	40.65

#1	20760.	1066.	8237.	138.2	1094.	2.583
#2	20750.	1063.	8278.	137.8	1091.	2.122
#3	20770.	1061.	8287.	138.7	1098.	4.468

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111961-B-1-D@4 Acquired: 4/13/2016 20:29:46 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.57	-1.772	212.8	892.0	227.4	18.17
Stddev	2.50	1.597	1.5	6.6	1.4	.39
%RSD	23.68	90.12	.7031	.7380	.6049	2.132
#1	13.05	-2.112	213.8	892.4	226.2	18.09
#2	10.63	-.0326	213.6	885.3	227.2	18.59
#3	8.040	-3.172	211.1	898.4	228.9	17.83

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	38.46	129.5	2016.	1649.
Stddev	.74	.2	2.	18.
%RSD	1.922	.1320	.0941	1.079
#1	37.63	129.3	2017.	1669.
#2	38.68	129.5	2017.	1645.
#3	39.06	129.7	2014.	1634.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3169.5	39743.	5944.8
Stddev	19.3	180.	5.8
%RSD	.60751	.45371	.09830
#1	3147.5	39539.	5951.6
#2	3183.5	39812.	5941.1
#3	3177.5	39879.	5941.8

Sample Name: 460-111961-B-3-B@4 Acquired: 4/13/2016 20:37:48 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53360.	16.71	-.2680	396.7	3.314	41650.
Stddev	71.	.77	.0825	2.1	.064	60.
%RSD	.1330	4.625	30.77	.5325	1.920	.1434

#1	53280.	16.88	-.2844	395.7	3.268	41710.
#2	53370.	17.38	-.3410	395.2	3.386	41640.
#3	53420.	15.87	-.1785	399.1	3.287	41600.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.114	55.72	173.5	357.1	129600.	4540.
Stddev	.139	.05	.7	.6	375.	31.
%RSD	12.45	.0924	.4143	.1654	.2894	.6789

#1	-1.264	55.70	173.4	356.6	129900.	4515.
#2	-.9898	55.68	172.9	357.0	129200.	4574.
#3	-1.088	55.77	174.3	357.8	129600.	4532.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29050.	1512.	3375.	196.7	327.3	3.995
Stddev	107.	2.	3.	.6	2.9	1.807
%RSD	.3699	.1044	.0855	.2812	.8986	45.24

#1	29170.	1514.	3374.	196.4	330.5	4.441
#2	28960.	1513.	3372.	196.3	324.7	5.537
#3	29010.	1511.	3378.	197.3	326.6	2.006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111961-B-3-B@4 Acquired: 4/13/2016 20:37:48 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.687	-4.730	217.8	1108.	258.9	13.17
Stddev	.735	.481	.3	3.	.8	.17
%RSD	7.592	10.18	.1170	.2493	.2946	1.253
#1	10.34	-5.249	218.0	1112.	258.2	13.11
#2	9.835	-4.644	217.9	1107.	259.7	13.36
#3	8.889	-4.297	217.5	1107.	258.7	13.05

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	29.34	136.7	3750.	1784.
Stddev	.37	1.1	3.	10.
%RSD	1.269	.8180	.0712	.5672
#1	28.91	136.6	3753.	1789.
#2	29.51	137.9	3749.	1773.
#3	29.59	135.7	3748.	1791.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3186.7	39782.	5955.4
Stddev	13.0	298.	10.1
%RSD	.40797	.74805	.16947
#1	3172.8	39458.	5946.4
#2	3198.7	40042.	5953.6
#3	3188.4	39847.	5966.3

Sample Name: 460-111950-E-2-B@4 Acquired: 4/13/2016 20:45:54 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8277.	1.399	-.1299	23.34	.3707	5062.
Stddev	124.	.511	.3891	.48	.0732	92.
%RSD	1.498	36.50	299.4	2.050	19.75	1.810

#1	8149.	1.957	.0401	22.81	.2919	4960.
#2	8286.	.9546	-.5751	23.48	.4367	5090.
#3	8396.	1.286	.1452	23.73	.3834	5137.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4382	5.878	30.06	5.452	14880.	1537.
Stddev	.1200	.221	1.07	.219	296.	65.
%RSD	27.38	3.755	3.569	4.020	1.986	4.249

#1	-.4383	6.041	28.94	5.207	14590.	1506.
#2	-.3181	5.966	30.17	5.517	14870.	1493.
#3	-.5581	5.626	31.08	5.630	15180.	1612.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3873.	179.9	651.8	15.11	14.64	.8965
Stddev	87.	4.0	10.7	.48	1.45	1.370
%RSD	2.243	2.228	1.643	3.209	9.901	152.8

#1	3782.	175.9	640.4	14.66	13.30	-.6220
#2	3883.	180.1	653.3	15.06	16.18	1.273
#3	3955.	183.9	661.6	15.63	14.45	2.038

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111950-E-2-B@4 Acquired: 4/13/2016 20:45:54 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.6740	-2.282	22.54	38.05	7.458	1.239
Stddev	3.426	.751	.38	.63	.531	.257
%RSD	508.2	32.91	1.706	1.664	7.127	20.74
#1	2.831	-2.849	22.41	37.36	7.652	.9565
#2	-.8392	-2.568	22.24	38.61	6.857	1.459
#3	-4.014	-1.430	22.97	38.17	7.865	1.303

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8314	22.71	751.6	694.2
Stddev	.7680	.39	12.0	23.4
%RSD	92.36	1.706	1.601	3.367
#1	.5059	22.29	738.5	684.4
#2	1.709	22.78	754.4	677.3
#3	.2799	23.06	762.1	720.9

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	3178.0	39553.	5892.1
Stddev	18.6	383.	95.1
%RSD	.58459	.96955	1.6136
#1	3156.8	39110.	5794.1
#2	3185.7	39756.	5898.1
#3	3191.4	39791.	5984.0

Sample Name: 460-112006-B-1-A@4 Acquired: 4/13/2016 17:18:56 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40500.	11.50	-.4323	206.3	1.934	F 430000.
Stddev	133.	2.10	.1115	.6	.127	3301.
%RSD	.3283	18.28	25.78	.2948	6.564	.7676

#1	40550.	13.58	-.5215	205.8	2.066	426500.
#2	40350.	9.377	-.3073	207.0	1.924	430700.
#3	40610.	11.54	-.4680	206.1	1.813	433000.

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	-.5913	25.24	45.27	50.50	54690.	13700.
Stddev	.0705	.22	.42	.14	126.	26.
%RSD	11.92	.8746	.9282	.2695	.2307	.1919

#1	-.6290	25.02	45.62	50.46	54610.	13690.
#2	-.6349	25.24	44.80	50.66	54830.	13680.
#3	-.5100	25.46	45.37	50.40	54610.	13730.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19800.	1220.	12870.	51.01	14.22	.2365
Stddev	35.	3.	27.	.46	.78	1.827
%RSD	.1774	.2080	.2082	.9018	5.499	772.3

#1	19760.	1217.	12880.	50.52	15.11	-.8386
#2	19830.	1221.	12840.	51.08	13.66	2.346
#3	19800.	1222.	12880.	51.44	13.89	-.7976

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-112006-B-1-A@4 Acquired: 4/13/2016 17:18:56 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.788	-1.163	51.14	121.5	92.56	2.016
Stddev	3.190	1.440	.28	.6	.23	.037
%RSD	84.22	123.8	.5445	.4818	.2461	1.855
#1	-5.060	-2.033	50.82	121.4	92.31	2.027
#2	-.1580	-1.955	51.27	120.9	92.75	1.975
#3	-6.146	.4991	51.34	122.1	92.61	2.047

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7405	2190.	898.7	2473.
Stddev	1.480	7.	1.6	72.
%RSD	199.9	.3289	.1765	2.901
#1	-.2586	2192.	897.1	2530.
#2	2.441	2181.	900.2	2497.
#3	.0390	2195.	898.8	2393.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3030.2	38162.	5859.0
Stddev	5.3	77.	39.2
%RSD	.17502	.20163	.66831
#1	3026.8	38074.	5814.8
#2	3036.4	38195.	5889.3
#3	3027.5	38217.	5872.8

Sample Name: 460-112006-B-2-A@4 Acquired: 4/13/2016 17:23:06 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42230.	10.05	-4.077	190.9	1.877	224600.
Stddev	195.	2.26	.1185	.6	.033	1577.
%RSD	.4614	22.52	29.07	.3053	1.759	.7022

#1	42030.	9.245	-.2752	190.2	1.893	225500.
#2	42420.	8.294	-.5035	191.3	1.899	225400.
#3	42250.	12.60	-.4445	191.1	1.839	222800.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3927	21.23	58.24	36.50	66160.	9458.
Stddev	.1945	.16	1.17	.13	350.	59.
%RSD	49.54	.7314	2.004	.3517	.5289	.6261

#1	-.5413	21.32	58.23	36.55	66360.	9391.
#2	-.4643	21.31	59.41	36.60	66370.	9503.
#3	-.1725	21.05	57.08	36.36	65760.	9481.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19120.	961.4	7039.	56.12	14.00	1.677
Stddev	89.	4.4	41.	.39	.13	.554
%RSD	.4662	.4533	.5860	.7004	.9310	33.02

#1	19070.	963.5	7002.	55.69	14.09	2.296
#2	19220.	964.4	7083.	56.22	14.06	1.505
#3	19060.	956.4	7032.	56.46	13.85	1.229

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-112006-B-2-A@4 Acquired: 4/13/2016 17:23:06 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.161	-7.155	44.17	123.2	45.97	.9515
Stddev	2.574	2.198	.50	.1	.64	.0571
%RSD	221.8	307.2	1.123	.0462	1.382	6.000
#1	4.101	-2.904	44.22	123.1	45.32	1.009
#2	-.6917	1.492	44.64	123.2	45.99	.9515
#3	.0737	-.7344	43.65	123.3	46.59	.8944

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.436	1534.	626.0	1960.
Stddev	.173	3.	1.1	89.
%RSD	12.06	.2117	.1701	4.537
#1	1.347	1532.	624.8	2047.
#2	1.326	1538.	626.9	1962.
#3	1.636	1532.	626.2	1870.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3080.1	38975.	5899.1
Stddev	27.8	665.	41.0
%RSD	.90140	1.7067	.69529
#1	3057.5	38525.	5865.6
#2	3071.7	38660.	5886.8
#3	3111.1	39739.	5944.8

Sample Name: 460-109943-G-3-D Acquired: 4/13/2016 17:27:08 Type: Unk

Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27.07	-2.519	.1660	37.91	-.0100	17760.
Stddev	7.54	1.382	.3109	.04	.0764	60.
%RSD	27.87	54.85	187.4	.1017	762.0	.3394
#1	18.82	-1.676	.5121	37.95	.0415	17750.
#2	33.61	-1.767	.0757	37.88	.0263	17830.
#3	28.78	-4.114	-.0899	37.91	-.0978	17710.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0020	.8898	4.265	.3379	11.02	14740.
Stddev	.0798	.1714	.343	.3988	13.70	41.
%RSD	4009.	19.26	8.037	118.0	124.3	.2774
#1	-.0194	1.054	4.355	.1892	4.252	14770.
#2	.0850	.7124	4.553	.0348	26.79	14770.
#3	-.0716	.9028	3.886	.7897	2.023	14700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3219.	856.3	38110.	12.79	-3.200	2.589
Stddev	26.	.6	35.	.31	.660	1.255
%RSD	.8002	.0719	.0907	2.428	20.61	48.45
#1	3225.	856.0	38150.	12.67	-3.833	1.832
#2	3191.	857.0	38090.	12.55	-2.517	4.038
#3	3241.	855.8	38080.	13.14	-3.250	1.899

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-109943-G-3-D Acquired: 4/13/2016 17:27:08 Type: Unk

Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.676	-.2235	.8999	32.29	41.03	-.3042
Stddev	.359	.8381	.2648	.04	.86	.1310
%RSD	21.40	374.9	29.43	.1348	2.089	43.04

#1	-1.556	-.9936	.7736	32.28	41.48	-.3268
#2	-1.393	.6691	1.204	32.24	41.56	-.1634
#3	-2.079	-.3462	.7218	32.33	40.04	-.4224

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1902	75.00	1.077	5406.
Stddev	1.101	.53	.074	12.
%RSD	578.9	.7108	6.838	.2231

#1	-.4743	74.96	1.105	5403.
#2	1.461	75.55	1.133	5395.
#3	-.4163	74.49	.9937	5419.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3173.2	39932.	6072.1
Stddev	7.5	36.	29.5
%RSD	.23490	.09050	.48639

#1	3165.2	39951.	6051.8
#2	3174.7	39890.	6058.6
#3	3179.9	39954.	6106.0

Sample Name: CCVL Acquired: 4/13/2016 17:39:14 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	188.1	14.07	9.788	212.6	2.023	5237.
Stddev	13.1	1.44	.280	.5	.070	13.
%RSD	6.965	10.21	2.863	.2584	3.437	.2563

#1	195.6	13.72	9.801	212.2	1.996	5225.
#2	173.0	15.65	10.06	212.2	1.971	5252.
#3	195.8	12.84	9.501	213.2	2.102	5234.

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	4.110	53.29	10.15	24.24	158.2	4800.
Stddev	.023	.15	.35	.23	12.3	61.
%RSD	.5543	.2735	3.483	.9458	7.773	1.269

#1	4.118	53.42	10.08	23.97	157.6	4746.
#2	4.084	53.32	10.54	24.34	146.2	4787.
#3	4.128	53.14	9.842	24.40	170.7	4866.

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	4870.	16.32	4709.	43.23	9.808	18.69
Stddev	29.	.06	7.	.44	1.447	1.23
%RSD	.5968	.3944	.1545	1.015	14.75	6.564

#1	4844.	16.32	4706.	43.73	11.36	17.46
#2	4901.	16.38	4703.	42.92	9.563	18.70
#3	4864.	16.25	4717.	43.05	8.500	19.91

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/13/2016 17:39:14 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.18	20.97	51.86	32.07	49.78	19.95
Stddev	2.25	1.82	.48	.12	.47	.41
%RSD	13.09	8.664	.9195	.3842	.9465	2.063

#1	15.07	22.31	51.48	32.01	49.25	20.02
#2	19.55	21.69	52.40	32.21	49.94	19.51
#3	16.93	18.90	51.70	31.99	50.15	20.32

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	51.24	20.68	20.68	F 8.319
Stddev	.63	.03	.13	15.82
%RSD	1.227	.1242	.6319	190.1

#1	51.72	20.65	20.82	-9.639
#2	51.47	20.68	20.66	14.42
#3	50.53	20.70	20.56	20.18

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	3150.4	39221.	5696.6
Stddev	25.2	33.	8.4
%RSD	.80110	.08366	.14727

#1	3130.0	39223.	5700.0
#2	3142.5	39188.	5702.7
#3	3178.6	39253.	5687.0

Sample Name: 460-109943-G-5-D Acquired: 4/13/2016 17:47:27 Type: Unk

Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.75	-1.672	.4403	49.78	-.0444	14560.
Stddev	14.05	1.859	.4484	.27	.1243	49.
%RSD	79.13	111.2	101.8	.5390	279.8	.3338

#1	30.73	-2.014	.3118	49.55	-.1272	14520.
#2	19.71	.3348	.0703	49.70	.0985	14550.
#3	2.832	-3.336	.9390	50.07	-.1047	14620.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2777	.3343	2.479	-.0189	4.515	3617.
Stddev	.1257	.0467	.566	.1980	7.580	32.
%RSD	45.26	13.98	22.82	1046.	167.9	.8826

#1	.2809	.3716	2.414	-.2475	-.7411	3638.
#2	.1504	.3493	1.948	.1021	13.20	3581.
#3	.4017	.2819	3.074	.0885	1.083	3633.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3965.	152.9	34530.	44.16	-3.397	2.331
Stddev	27.	.8	9.	.57	.456	.971
%RSD	.6686	.5090	.0256	1.284	13.41	41.67

#1	3937.	152.2	34530.	44.74	-3.652	3.437
#2	3968.	152.7	34540.	44.13	-2.871	1.944
#3	3990.	153.7	34520.	43.61	-3.668	1.613

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-109943-G-5-D Acquired: 4/13/2016 17:47:27 Type: Unk

Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.063	.1862	-.2959	5.496	31.98	-.4646
Stddev	2.583	.4945	.2284	.223	.09	.0717
%RSD	125.2	265.5	77.19	4.061	.2837	15.44

#1	.3413	.0371	-.1534	5.254	31.91	-.4434
#2	-4.793	.7381	-.1750	5.540	32.08	-.5446
#3	-1.737	-.2165	-.5594	5.694	31.94	-.4059

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4111	88.76	.6823	4113.
Stddev	.2932	.24	.0956	23.
%RSD	71.32	.2666	14.01	.5535

#1	-.3669	88.65	.5720	4124.
#2	-.1425	88.60	.7357	4087.
#3	-.7239	89.03	.7392	4128.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3156.6	39575.	5929.7
Stddev	7.2	132.	10.1
%RSD	.22656	.33296	.17112

#1	3150.3	39718.	5918.0
#2	3164.4	39550.	5936.0
#3	3155.2	39458.	5935.2

Sample Name: 460-109980-E-2-D Acquired: 4/13/2016 17:55:41 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.24	-1.914	.5285	41.31	-.0350	10980.
Stddev	4.18	1.913	.0320	.19	.0705	14.
%RSD	25.73	99.95	6.046	.4709	201.3	.1257
#1	11.64	-2.585	.5418	41.15	-.1024	10980.
#2	17.28	-3.402	.4921	41.24	-.0408	10960.
#3	19.80	.2441	.5517	41.53	.0382	10990.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1505	1.280	13.93	-.5981	.8379	3364.
Stddev	.0555	.030	.86	.2120	5.744	31.
%RSD	36.85	2.373	6.146	35.44	685.5	.9174
#1	-.0945	1.314	14.86	-.8268	-4.588	3367.
#2	-.1516	1.257	13.18	-.5594	6.854	3394.
#3	-.2054	1.270	13.74	-.4082	.2474	3332.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2716.	36.71	22720.	87.78	-4.510	1.075
Stddev	3.	.06	63.	.62	1.261	1.030
%RSD	.1018	.1586	.2762	.7052	27.95	95.85
#1	2713.	36.75	22780.	87.39	-4.942	.2552
#2	2719.	36.64	22740.	88.49	-5.498	2.231
#3	2716.	36.73	22660.	87.45	-3.090	.7379

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-109980-E-2-D Acquired: 4/13/2016 17:55:41 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.776	.4189	-.4187	1.466	36.01	-.5884
Stddev	1.770	1.161	.5259	.195	.47	.1672
%RSD	99.64	277.1	125.6	13.29	1.297	28.42
#1	-.5351	1.418	-1.019	1.255	35.61	-.4472
#2	-3.803	-.8543	-.1957	1.502	36.52	-.5448
#3	-.9910	.6932	-.0410	1.639	35.90	-.7730

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2862	75.75	.5852	4960.
Stddev	.1059	.48	.1755	28.
%RSD	37.02	.6362	29.98	.5654
#1	-.3858	75.41	.6677	4934.
#2	-.1749	76.30	.7043	4990.
#3	-.2979	75.53	.3837	4956.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3143.3	39335.	6002.4
Stddev	9.9	117.	27.3
%RSD	.31453	.29709	.45435
#1	3154.4	39443.	6028.8
#2	3135.4	39351.	6004.1
#3	3140.1	39211.	5974.4

Sample Name: 460-109980-F-3-B Acquired: 4/13/2016 17:59:48 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.61	-2.009	-.0455	85.64	.0215	15530.
Stddev	4.62	1.120	.5220	.04	.0690	99.
%RSD	18.77	55.74	1147.	.0408	321.2	.6362
#1	23.30	-1.336	-.4662	85.64	-.0578	15610.
#2	20.78	-1.388	-.2089	85.60	.0543	15560.
#3	29.74	-3.301	.5386	85.67	.0679	15420.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8622	.5719	7.251	-.1956	-5.574	7761.
Stddev	.0669	.1740	.377	.1467	3.690	59.
%RSD	7.760	30.42	5.196	74.97	66.20	.7588
#1	.9281	.5131	7.030	-.0633	-1.399	7764.
#2	.7943	.4349	7.686	-.3533	-8.399	7818.
#3	.8640	.7677	7.038	-.1703	-6.925	7701.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4113.	41.61	34470.	25.41	-3.956	1.242
Stddev	27.	.12	201.	.45	2.298	1.085
%RSD	.6653	.2893	.5816	1.776	58.10	87.39
#1	4138.	41.54	34610.	25.02	-4.320	.8983
#2	4118.	41.75	34560.	25.90	-1.497	.3699
#3	4084.	41.54	34240.	25.29	-6.050	2.457

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-109980-F-3-B Acquired: 4/13/2016 17:59:48 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.662	.3236	-.2711	3.961	36.37	-.6435
Stddev	3.179	.8949	.3769	.198	.57	.2192
%RSD	191.3	276.6	139.0	4.995	1.571	34.06
#1	1.090	1.353	-.5582	4.178	36.09	-.7658
#2	-.9334	-.1094	.1557	3.790	35.99	-.7741
#3	-5.142	-.2726	-.4108	3.915	37.03	-.3905

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2020	94.06	.6704	6065.
Stddev	.6276	.19	.0666	84.
%RSD	310.8	.2011	9.937	1.382
#1	.4374	93.89	.6460	5988.
#2	.6778	94.27	.7457	6154.
#3	-.5093	94.03	.6193	6053.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3102.3	38932.	5931.6
Stddev	10.1	141.	49.8
%RSD	.32639	.36162	.83984
#1	3102.2	38838.	5876.1
#2	3092.2	38863.	5972.5
#3	3112.5	39093.	5946.2

Sample Name: 460-109980-F-5-B Acquired: 4/13/2016 18:08:02 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	141.6	-2.079	.0773	166.8	.1538	9907.
Stddev	3.8	1.646	.1922	.7	.0818	7.
%RSD	2.712	79.20	248.6	.4227	53.21	.0722
#1	137.4	-3.538	-.1348	166.1	.0953	9915.
#2	142.3	-.2939	.1268	167.0	.2472	9901.
#3	145.0	-2.404	.2399	167.4	.1187	9905.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1852	.1585	3.007	-.0554	8.787	2500.
Stddev	.1117	.0616	.370	.2833	11.26	23.
%RSD	60.31	38.84	12.31	511.6	128.2	.9302
#1	.2801	.0938	2.720	.2086	17.82	2485.
#2	.2134	.1654	2.877	-.3547	12.37	2526.
#3	.0621	.2163	3.425	-.0201	-3.830	2487.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2537.	192.2	43160.	15.03	-2.589	-.1593
Stddev	6.	.4	131.	.41	.705	1.026
%RSD	.2382	.1936	.3031	2.703	27.24	643.7
#1	2536.	192.5	43260.	14.89	-2.717	-.3283
#2	2544.	191.8	43210.	14.72	-1.829	.9403
#3	2532.	192.4	43010.	15.49	-3.222	-1.090

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-109980-F-5-B Acquired: 4/13/2016 18:08:02 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.143	.3340	-.1622	2.625	27.12	-.6575
Stddev	2.741	1.333	.3354	.125	.67	.0629
%RSD	87.20	399.0	206.8	4.742	2.465	9.563
#1	-3.138	-1.199	.1485	2.664	26.50	-.6219
#2	-5.887	1.213	-.1175	2.486	27.02	-.7301
#3	-.4052	.9881	-.5177	2.726	27.83	-.6205

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4826	66.51	.5115	3825.
Stddev	.3900	.08	.0781	40.
%RSD	80.82	.1181	15.27	1.042
#1	-.7451	66.58	.4263	3779.
#2	-.6683	66.42	.5798	3851.
#3	-.0344	66.53	.5283	3844.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3086.1	38409.	5676.0
Stddev	13.7	48.	21.3
%RSD	.44463	.12426	.37571
#1	3099.5	38390.	5654.9
#2	3072.1	38374.	5675.5
#3	3086.8	38463.	5697.5

Sample Name: 460-109980-D-8-B Acquired: 4/13/2016 18:16:16 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.34	-4.331	-.0325	32.29	-.0165	8549.
Stddev	16.92	1.379	.1322	.18	.0822	28.
%RSD	137.2	31.85	406.6	.5561	497.2	.3263
#1	.6896	-5.639	.1068	32.14	.0195	8544.
#2	4.572	-4.465	-.0483	32.23	-.1106	8525.
#3	31.75	-2.890	-.1561	32.49	.0415	8580.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2446	.2032	46.21	-.0791	-7.764	2426.
Stddev	.1207	.0931	.35	.1298	8.768	15.
%RSD	49.35	45.81	.7617	163.9	112.9	.6006
#1	-.3683	.2794	46.61	-.1657	-11.90	2417.
#2	-.1272	.2307	46.08	.0700	2.308	2418.
#3	-.2382	.0995	45.94	-.1418	-13.70	2442.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3470.	11.36	25910.	29.94	-2.789	.6155
Stddev	18.	.09	68.	.21	1.337	1.655
%RSD	.5273	.7646	.2627	.7094	47.93	268.9
#1	3450.	11.45	25870.	30.18	-1.310	-.9671
#2	3474.	11.37	25870.	29.80	-3.911	.4784
#3	3486.	11.27	25990.	29.83	-3.146	2.335

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-109980-D-8-B Acquired: 4/13/2016 18:16:16 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1205	-1.278	.0588	4.921	30.52	-.2751
Stddev	1.124	.464	.4045	.203	.95	.2007
%RSD	932.6	36.31	688.0	4.128	3.129	72.94
#1	.5238	-.8350	.0741	4.727	31.46	-.1302
#2	.5327	-1.761	.4555	4.903	29.55	-.1910
#3	-1.418	-1.239	-.3532	5.132	30.55	-.5041

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0007	82.38	.3335	4999.
Stddev	1.004	.23	.2353	58.
%RSD	137200.	.2808	70.56	1.164
#1	-1.143	82.11	.3263	4988.
#2	.4063	82.54	.5723	5062.
#3	.7388	82.47	.1018	4947.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3118.1	39004.	5928.0
Stddev	7.0	89.	43.0
%RSD	.22534	.22819	.72555
#1	3120.9	38979.	5922.4
#2	3110.1	39103.	5973.6
#3	3123.3	38931.	5888.1

Sample Name: CCV Acquired: 4/13/2016 18:24:33 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122000.	2567.	1237.	10470.	1002.	129000.
Stddev	214.	6.	3.	12.	2.	379.
%RSD	.1749	.2205	.2519	.1157	.1521	.2935

#1	121900.	2566.	1241.	10460.	1000.	129200.
#2	122300.	2562.	1235.	10460.	1003.	128500.
#3	121900.	2573.	1235.	10480.	1003.	129200.

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	1293.	2560.	5258.	12680.	101000.	49560.
Stddev	3.	4.	11.	14.	284.	113.
%RSD	.2482	.1562	.2125	.1101	.2810	.2285

#1	1293.	2558.	5262.	12700.	101300.	49470.
#2	1290.	2558.	5245.	12670.	101000.	49690.
#3	1296.	2565.	5266.	12680.	100800.	49540.

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	123600.	5199.	120700.	2619.	7518.	1004.
Stddev	401.	11.	227.	7.	17.	4.
%RSD	.3243	.2045	.1879	.2856	.2199	.4414

#1	124000.	5208.	120600.	2615.	7512.	1002.
#2	123300.	5187.	120900.	2615.	7505.	1000.0
#3	123300.	5201.	120500.	2628.	7537.	1008.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/13/2016 18:24:33 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2437.	2570.	2561.	2549.	1038.	2589.
Stddev	9.	24.	5.	2.	7.	5.
%RSD	.3571	.9156	.2111	.0775	.6732	.1802

#1	2439.	2582.	2567.	2550.	1034.	2589.
#2	2427.	2543.	2557.	2547.	1033.	2585.
#3	2443.	2586.	2558.	2551.	1046.	2594.

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	1041.	5078.	10100.	9717.
Stddev	4.	5.	57.	96.
%RSD	.3599	.1027	.5689	.9873

#1	1043.	5072.	10030.	9645.
#2	1036.	5082.	10120.	9680.
#3	1043.	5081.	10140.	9826.

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	2969.8	37752.	5761.1
Stddev	11.5	69.	31.7
%RSD	.38819	.18373	.54980

#1	2973.1	37693.	5744.3
#2	2979.4	37829.	5741.4
#3	2957.0	37734.	5797.6

Sample Name: CCB Acquired: 4/13/2016 18:28:24 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.616	-1.251	.0553	.1316	-.0341	-29.78
Stddev	4.836	1.049	.3416	.0624	.0682	4.83
%RSD	63.50	83.86	618.0	47.37	200.3	16.20
#1	-4.894	-2.370	.4141	.0894	-.1019	-31.07
#2	-4.754	-.2883	-.2659	.2033	.0345	-33.83
#3	-13.20	-1.096	.0177	.1022	-.0348	-24.44

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1574	-.0516	.1572	-.3560	-1.221	13.19
Stddev	.0623	.3011	.1279	.4231	6.248	25.06
%RSD	39.57	583.2	81.36	118.8	511.9	190.0
#1	-.1520	.1805	.1582	-.7431	5.427	31.60
#2	-.2222	-.3919	.2847	-.4207	-2.117	23.33
#3	-.0980	.0565	.0289	.0957	-6.972	-15.35

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	8.460	.1320	8.883	-.3894	-1.944	.9011
Stddev	3.333	.1838	5.469	.3709	.082	.6227
%RSD	39.40	139.2	61.56	95.27	4.206	69.11
#1	8.423	.1148	15.20	-.2554	-2.026	.2334
#2	5.146	-.0425	5.738	-.1040	-1.862	1.004
#3	11.81	.3238	5.714	-.8087	-1.944	1.466

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/13/2016 18:28:24 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.308	-1.103	-.0271	-.0658	-.5950	.7524
Stddev	2.440	.489	.3372	.0892	.1788	.5541
%RSD	186.6	44.38	1244.	135.6	30.05	73.65
#1	3.852	-.5967	-.3177	-.0295	-.4905	1.293
#2	1.083	-1.138	-.1062	-.0005	-.8015	.7778
#3	-1.012	-1.574	.3426	-.1674	-.4930	.1859

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2010	.0423	.4554	9.456
Stddev	.2285	.0313	.2117	14.66
%RSD	113.7	73.98	46.49	155.0
#1	-.4142	.0551	.5333	8.091
#2	-.2291	.0653	.2158	-4.471
#3	.0403	.0067	.6170	24.75

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	3141.1	39478.	5851.5
Stddev	13.9	93.	51.3
%RSD	.44206	.23541	.87739
#1	3153.8	39585.	5814.1
#2	3143.2	39420.	5830.3
#3	3126.3	39428.	5910.1

Sample Name: CCVL Acquired: 4/13/2016 18:32:37 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	202.0	10.96	10.25	217.8	2.000	5296.
Stddev	18.8	.87	.41	.6	.085	14.
%RSD	9.311	7.932	3.958	.2529	4.262	.2611

#1	217.1	10.67	9.791	217.8	2.002	5301.
#2	208.0	10.27	10.56	218.3	1.913	5280.
#3	181.0	11.93	10.40	217.2	2.084	5306.

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	4.132	54.22	10.88	24.95	154.9	4892.
Stddev	.021	.31	.63	.27	13.3	13.
%RSD	.5142	.5731	5.765	1.062	8.576	.2628

#1	4.157	53.87	11.53	25.25	139.8	4878.
#2	4.121	54.47	10.28	24.78	164.7	4904.
#3	4.119	54.32	10.82	24.81	160.3	4895.

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	4897.	16.65	4766.	44.11	11.39	20.51
Stddev	5.	.10	30.	.37	2.19	.20
%RSD	.1050	.6254	.6228	.8359	19.26	.9705

#1	4901.	16.70	4764.	43.72	13.92	20.65
#2	4891.	16.53	4797.	44.45	10.23	20.59
#3	4899.	16.72	4737.	44.17	10.03	20.28

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/13/2016 18:32:37 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.67	21.37	52.36	32.14	50.87	20.68
Stddev	1.49	1.93	.17	.22	.38	.06
%RSD	8.913	9.052	.3249	.6789	.7394	.2673
#1	18.04	19.14	52.48	32.39	51.25	20.74
#2	15.09	22.47	52.16	31.99	50.87	20.63
#3	16.88	22.50	52.42	32.05	50.49	20.66

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	52.38	21.02	20.64	F 2.250
Stddev	.94	.16	.04	7.274
%RSD	1.799	.7656	.2103	323.3
#1	52.67	20.98	20.64	9.712
#2	53.14	21.20	20.60	-4.821
#3	51.32	20.89	20.68	1.859

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	3127.0	39260.	5849.4
Stddev	7.1	40.	56.4
%RSD	.22851	.10092	.96462
#1	3134.5	39294.	5853.3
#2	3126.0	39269.	5791.2
#3	3120.3	39217.	5903.8

Sample Name: MB 460-362061/1-A@2 Acquired: 4/13/2016 18:40:51 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-14.79	-1.156	.5750	.0730	.0420	-30.24
Stddev	11.78	1.639	.5337	.1506	.0635	7.88
%RSD	79.68	141.8	92.81	206.4	151.1	26.06
#1	-19.69	-2.287	1.174	.0075	.0892	-37.58
#2	-23.32	-1.905	.1510	.2453	.0671	-31.21
#3	-1.345	.7242	.3998	-.0338	-.0302	-21.92

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	-.1821	-.0427	-.5505	-.6408	-1.527	-.1777
Stddev	.0367	.2352	.5321	.0485	16.89	10.98
%RSD	20.13	551.4	96.65	7.573	1107.	6177.
#1	-.1412	-.2442	-.4737	-.5875	16.24	-8.603
#2	-.1929	.2157	-.0611	-.6823	-17.39	12.24
#3	-.2120	-.0995	-1.117	-.6527	-3.432	-4.167

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9234	-.0005	-6.566	-.1403	-.5669	.9210
Stddev	1.950	.0603	5.503	.7810	1.105	.4061
%RSD	211.1	12020.	83.80	556.7	194.9	44.09
#1	-1.269	.0643	-1.039	-1.020	-.1206	.6814
#2	1.579	-.0550	-6.616	.1282	.2453	.6917
#3	2.461	-.0108	-12.04	.4711	-1.825	1.390

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-362061/1-A@2 Acquired: 4/13/2016 18:40:51 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.637	.2849	-.3297	.3883	-.7653	-.6585
Stddev	.384	.6125	.4440	.2648	.0546	.1046
%RSD	14.54	215.0	134.7	68.20	7.138	15.88
#1	-3.050	.9870	-.8378	.4695	-.7082	-.5685
#2	-2.292	-.1400	-.1345	.6029	-.7706	-.6338
#3	-2.569	.0078	-.0168	.0924	-.8171	-.7732

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3893	.0179	-.1173	13.23
Stddev	.7889	.0707	.0677	9.79
%RSD	202.6	396.1	57.73	74.05
#1	-.0072	-.0630	-.1902	1.924
#2	-.1226	.0481	-.1055	18.56
#3	1.298	.0684	-.0563	19.20

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	3113.7	39043.	5788.6
Stddev	4.6	69.	39.4
%RSD	.14732	.17684	.68046
#1	3113.6	39093.	5818.4
#2	3109.2	39071.	5743.9
#3	3118.3	38964.	5803.4

Sample Name: LCSSRM 460-362061/2- Acquired: 4/13/2016 18:45:03 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36810.	707.3	146.3	1081.	471.9	28500.
Stddev	163.	3.1	1.0	5.	.4	231.
%RSD	.4426	.4329	.6678	.4494	.0745	.8103

#1	36680.	705.5	145.2	1076.	471.5	28290.
#2	36770.	705.5	146.7	1082.	472.2	28460.
#3	36990.	710.8	147.0	1086.	471.9	28750.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	459.1	842.5	756.5	862.5	70430.	11090.
Stddev	1.0	1.6	4.9	1.8	283.	24.
%RSD	.2125	.1946	.6487	.2046	.4021	.2153

#1	458.4	840.6	752.4	860.5	70190.	11060.
#2	458.7	843.1	755.3	863.1	70350.	11110.
#3	460.2	843.7	762.0	863.8	70740.	11090.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12160.	1609.	4036.	731.0	746.9	450.5
Stddev	66.	10.	16.	2.2	3.2	2.2
%RSD	.5468	.6057	.4015	.2999	.4223	.4967

#1	12120.	1601.	4018.	728.5	746.3	453.1
#2	12120.	1607.	4044.	732.4	744.2	449.2
#3	12240.	1620.	4047.	732.1	750.4	449.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCSSRM 460-362061/2- Acquired: 4/13/2016 18:45:03 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	841.7	771.9	571.2	988.8	684.4	623.9
Stddev	3.2	7.8	2.4	2.6	2.3	3.0
%RSD	.3766	1.008	.4241	.2643	.3364	.4735

#1	839.2	763.0	569.2	987.0	683.3	620.5
#2	845.2	777.2	570.5	987.7	687.0	626.0
#3	840.6	775.5	573.9	991.8	682.8	625.2

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	756.2	522.0	1562.	2513.
Stddev	4.1	1.7	5.	24.
%RSD	.5389	.3224	.3314	.9671

#1	751.7	520.3	1557.	2513.
#2	757.0	521.8	1564.	2489.
#3	759.7	523.7	1567.	2538.

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	3169.3	40255.	6130.6
Stddev	20.6	355.	52.1
%RSD	.64939	.88214	.84977

#1	3145.8	39974.	6070.5
#2	3184.3	40654.	6161.9
#3	3177.8	40139.	6159.5

Sample Name: 460-111966-B-1-C DU Acquired: 4/13/2016 18:48:55 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	62840.	149.8	-7961	651.0	3.620	12320.
Stddev	446.	2.6	.7500	1.3	.151	66.
%RSD	.7104	1.740	94.21	.1940	4.171	.5349
#1	63060.	150.2	-.6240	649.7	3.563	12260.
#2	63130.	152.1	-.1472	652.2	3.791	12390.
#3	62320.	147.0	-1.617	651.1	3.505	12330.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.362	46.41	95.16	231.6	122000.	5115.
Stddev	.071	.23	1.00	1.3	252.	41.
%RSD	5.230	.4977	1.047	.5545	.2062	.8079
#1	-1.381	46.36	94.32	230.3	121800.	5114.
#2	-1.283	46.66	96.26	232.8	121900.	5156.
#3	-1.421	46.21	94.90	231.8	122300.	5074.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18210.	2513.	1409.	107.4	255.8	3.643
Stddev	85.	8.	10.	.2	2.4	.336
%RSD	.4673	.3065	.7160	.1911	.9189	9.210
#1	18130.	2504.	1399.	107.4	253.4	3.309
#2	18300.	2518.	1419.	107.6	258.0	3.640
#3	18200.	2516.	1408.	107.2	256.1	3.980

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111966-B-1-C DU Acquired: 4/13/2016 18:48:55 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.21	-1.822	124.6	358.3	23.59	4.037
Stddev	4.17	1.831	1.1	1.7	.30	.174
%RSD	37.25	100.5	.8910	.4858	1.276	4.299
#1	14.46	-3.463	123.3	356.7	23.93	4.201
#2	12.66	.1529	125.4	358.1	23.34	4.055
#3	6.499	-2.156	125.1	360.2	23.51	3.855

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	13.85	104.6	1411.	1916.
Stddev	.61	.8	3.	14.
%RSD	4.392	.7407	.2007	.7238
#1	13.63	104.8	1408.	1929.
#2	13.38	105.3	1412.	1917.
#3	14.54	103.8	1413.	1902.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3144.7	39368.	5900.2
Stddev	6.7	132.	29.2
%RSD	.21368	.33539	.49515
#1	3152.2	39473.	5925.5
#2	3142.4	39220.	5868.2
#3	3139.4	39412.	5906.7

Sample Name: 460-111966-B-1-B@4 Acquired: 4/13/2016 18:52:58 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	62730.	150.7	-.2047	646.0	3.437	12220.
Stddev	105.	1.2	.2811	.8	.030	36.
%RSD	.1676	.8159	137.4	.1243	.8724	.2937

#1	62750.	149.3	-.4140	646.7	3.417	12190.
#2	62620.	151.7	.1149	646.1	3.422	12260.
#3	62820.	151.0	-.3148	645.1	3.471	12230.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.400	46.03	93.21	231.2	121300.	5090.
Stddev	.034	.30	.82	.2	475.	44.
%RSD	2.453	.6422	.8848	.1064	.3917	.8739

#1	-1.372	45.78	92.89	231.4	120900.	5052.
#2	-1.390	45.97	94.14	230.9	121200.	5078.
#3	-1.438	46.36	92.59	231.2	121800.	5139.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18230.	2501.	1416.	106.7	253.8	4.041
Stddev	47.	4.	13.	.2	1.7	1.233
%RSD	.2574	.1684	.9478	.1693	.6574	30.50

#1	18180.	2496.	1404.	106.5	252.2	3.020
#2	18250.	2505.	1414.	106.7	253.7	5.411
#3	18270.	2501.	1431.	106.8	255.5	3.693

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111966-B-1-B@4 Acquired: 4/13/2016 18:52:58 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.783	-2.979	123.8	356.1	22.83	3.915
Stddev	.510	1.141	.4	2.0	.91	.374
%RSD	5.214	38.30	.2968	.5512	3.980	9.552
#1	10.17	-3.253	123.5	354.1	22.11	4.339
#2	9.978	-1.725	123.6	356.2	23.85	3.770
#3	9.204	-3.957	124.2	358.0	22.54	3.635

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	13.00	104.4	1411.	1906.
Stddev	.98	.4	4.	39.
%RSD	7.526	.3784	.3007	2.021
#1	13.81	104.1	1408.	1885.
#2	13.28	104.9	1409.	1951.
#3	11.91	104.3	1416.	1883.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3190.9	40080.	6031.8
Stddev	7.9	80.	54.4
%RSD	.24642	.19854	.90261
#1	3198.8	40020.	5977.0
#2	3183.1	40049.	6085.8
#3	3190.7	40170.	6032.6

Sample Name: sd 460-111966-B-1-B Acquired: 4/13/2016 18:56:58 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12300.	27.95	-.0009	127.5	.6986	2400.
Stddev	144.	1.17	.3542	2.0	.0504	40.
%RSD	1.168	4.176	38790.	1.545	7.208	1.658

#1	12370.	28.02	.2623	128.7	.7164	2411.
#2	12400.	26.75	-.4036	128.5	.7377	2433.
#3	12130.	29.08	.1386	125.2	.6418	2356.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4814	9.050	18.07	43.64	24230.	969.6
Stddev	.0671	.210	.84	.99	504.	42.2
%RSD	13.93	2.319	4.634	2.262	2.078	4.351

#1	-.4088	9.039	17.52	44.09	24440.	943.3
#2	-.5410	9.266	19.03	44.32	24600.	1018.
#3	-.4944	8.846	17.65	42.51	23660.	947.2

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	3629.	492.6	275.3	20.59	48.83	2.112
Stddev	59.	9.6	12.8	.40	1.90	1.233
%RSD	1.621	1.944	4.630	1.922	3.896	58.41

#1	3657.	496.9	274.6	21.04	50.11	3.248
#2	3669.	499.2	288.4	20.43	49.74	2.287
#3	3562.	481.6	263.0	20.29	46.64	.8001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-111966-B-1-B Acquired: 4/13/2016 18:56:58 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.9234	-1.707	24.03	70.89	3.744	.1101
Stddev	2.245	3.493	.40	.68	.357	.1028
%RSD	243.2	204.7	1.662	.9582	9.529	93.37
#1	-1.667	1.875	24.46	71.45	3.366	.0029
#2	1.599	-5.105	23.95	71.08	4.075	.1196
#3	-2.703	-1.891	23.67	70.13	3.790	.2077

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.174	20.11	274.1	364.1
Stddev	.890	.32	5.8	1.1
%RSD	40.93	1.603	2.112	.3142
#1	1.991	20.24	276.9	363.9
#2	3.141	20.35	278.0	363.0
#3	1.389	19.75	267.5	365.3

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	3167.0	39323.	5844.8
Stddev	28.1	355.	22.1
%RSD	.88784	.90189	.37860
#1	3148.2	39096.	5868.8
#2	3153.4	39142.	5840.4
#3	3199.3	39732.	5825.2

Sample Name: pds 460-111966-B-1-B Acquired: 4/13/2016 19:05:01 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	61780.	1957.	45.36	2537.	49.87	30450.
Stddev	243.	5.	.18	7.	.27	81.
%RSD	.3929	.2346	.3939	.2686	.5337	.2644

#1	61940.	1952.	45.57	2543.	50.17	30540.
#2	61500.	1958.	45.26	2530.	49.66	30400.
#3	61890.	1961.	45.26	2537.	49.78	30410.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46.01	522.1	287.2	453.6	115900.	21740.
Stddev	.07	.5	1.7	1.3	366.	28.
%RSD	.1498	.1037	.5974	.2768	.3160	.1291

#1	45.93	522.7	289.1	452.5	115800.	21770.
#2	46.02	522.0	285.7	453.3	116300.	21730.
#3	46.07	521.6	286.8	454.9	115700.	21720.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34920.	2835.	18980.	592.2	709.7	445.5
Stddev	16.	2.	77.	1.8	1.7	.2
%RSD	.0453	.0625	.4061	.3035	.2428	.0385

#1	34900.	2833.	19060.	593.5	711.7	445.5
#2	34930.	2834.	18900.	590.2	709.1	445.4
#3	34920.	2837.	18980.	593.0	708.4	445.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-111966-B-1-B Acquired: 4/13/2016 19:05:01 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1773.	1967.	597.6	815.2	497.8	477.1
Stddev	12.	2.	1.6	1.2	1.9	1.2
%RSD	.6754	.0959	.2713	.1496	.3787	.2583

#1	1759.	1968.	599.5	816.4	495.7	477.5
#2	1780.	1965.	596.8	814.0	498.4	475.7
#3	1778.	1968.	596.5	815.2	499.4	478.0

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	493.6	565.5	1809.	1871.
Stddev	1.4	.9	4.	33.
%RSD	.2852	.1589	.2026	1.768

#1	494.0	566.2	1806.	1837.
#2	492.0	564.5	1813.	1903.
#3	494.8	566.0	1810.	1874.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3202.9	40310.	6079.9
Stddev	24.3	369.	162.3
%RSD	.75737	.91660	2.6702

#1	3175.3	39897.	5892.5
#2	3212.5	40421.	6177.5
#3	3220.8	40611.	6169.7

Sample Name: 460-111966-B-2-B@4 Acquired: 4/13/2016 19:08:52 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	66240.	119.5	-1.152	658.9	3.164	10570.
Stddev	426.	1.8	.583	1.5	.075	63.
%RSD	.6436	1.527	50.61	.2320	2.379	.5923

#1	65810.	118.3	-1.216	657.3	3.078	10490.
#2	66660.	121.6	-1.700	660.4	3.212	10600.
#3	66250.	118.6	-.5395	659.1	3.204	10610.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.173	54.37	105.5	274.7	F 212000.	5512.
Stddev	.105	.18	1.2	1.5	839.	54.
%RSD	3.294	.3221	1.098	.5477	.3959	.9869

#1	-3.053	54.40	104.3	273.1	211200.	5452.
#2	-3.246	54.53	105.6	274.9	211900.	5524.
#3	-3.219	54.18	106.6	276.1	212900.	5559.

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	21310.	2704.	2305.	132.8	262.6	4.097
Stddev	169.	11.	28.	.4	.3	.625
%RSD	.7921	.4062	1.206	.2751	.1096	15.25

#1	21120.	2692.	2275.	132.9	262.2	3.570
#2	21350.	2709.	2308.	133.1	262.7	3.934
#3	21450.	2712.	2331.	132.4	262.7	4.788

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111966-B-2-B@4 Acquired: 4/13/2016 19:08:52 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.05	.2124	133.6	300.3	33.64	7.356
Stddev	3.09	1.055	1.9	1.3	.86	.072
%RSD	16.23	496.5	1.449	.4311	2.567	.9747
#1	17.31	.0490	131.5	299.0	34.49	7.429
#2	17.21	-.7509	134.1	300.2	33.67	7.286
#3	22.62	1.339	135.3	301.6	32.77	7.353

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	17.70	88.88	1570.	1923.
Stddev	.46	.62	4.	8.
%RSD	2.616	.6975	.2370	.3931
#1	17.20	88.27	1566.	1929.
#2	18.12	88.88	1570.	1914.
#3	17.79	89.51	1574.	1925.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3240.3	40730.	6083.1
Stddev	12.3	88.	15.0
%RSD	.37860	.21698	.24669
#1	3226.1	40648.	6097.3
#2	3247.1	40719.	6067.4
#3	3247.6	40824.	6084.7

Sample Name: 460-111966-B-3-B@4 Acquired: 4/13/2016 19:12:52 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52160.	27.18	-.1259	489.4	10.53	26410.
Stddev	645.	1.93	.2262	2.2	.08	265.
%RSD	1.237	7.105	179.7	.4551	.8007	1.003

#1	51580.	26.27	-.2471	487.1	10.46	26110.
#2	52030.	25.88	-.2656	489.7	10.50	26490.
#3	52850.	29.40	.1351	491.5	10.62	26620.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.714	49.07	244.1	1331.	F 216000.	5748.
Stddev	.279	.31	2.4	4.	2715.	69.
%RSD	16.26	.6287	.9641	.3159	1.257	1.198

#1	1.972	48.71	241.4	1329.	213000.	5670.
#2	1.418	49.25	245.4	1329.	216600.	5775.
#3	1.751	49.25	245.5	1336.	218400.	5799.

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	15060.	1636.	1647.	277.3	1393.	5.027
Stddev	169.	12.	30.	1.3	14.	.149
%RSD	1.125	.7576	1.851	.4833	.9947	2.967

#1	14860.	1622.	1616.	276.4	1379.	4.984
#2	15140.	1639.	1648.	276.7	1393.	4.904
#3	15170.	1646.	1677.	278.9	1407.	5.193

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111966-B-3-B@4 Acquired: 4/13/2016 19:12:52 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.39	-3120	132.6	2244.	95.65	21.57
Stddev	4.25	2.325	1.0	32.	.29	.10
%RSD	21.91	745.0	.7404	1.434	.3024	.4574
#1	15.08	-1.437	131.5	2208.	95.77	21.66
#2	23.58	-1.860	132.9	2251.	95.85	21.58
#3	19.52	2.361	133.5	2272.	95.32	21.46

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	121.7	155.8	1622.	2012.
Stddev	2.0	1.0	13.	26.
%RSD	1.665	.6340	.7803	1.270
#1	122.6	154.9	1609.	1995.
#2	119.4	155.7	1622.	2041.
#3	123.2	156.9	1634.	2000.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	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	40653.	6159.5
Stddev	12.5	232.	108.2
%RSD	.38514	.56991	1.7569
#1	3252.1	40917.	6234.2
#2	3231.4	40557.	6208.9
#3	3229.7	40485.	6035.4

Sample Name: CCVL Acquired: 4/13/2016 19:24:51 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	202.7	15.23	10.30	212.4	2.058	5255.
Stddev	14.0	2.08	.26	.4	.069	32.
%RSD	6.917	13.66	2.512	.1939	3.353	.5996
#1	214.9	14.01	10.31	212.0	2.135	5283.
#2	187.4	14.05	10.54	212.8	2.036	5261.
#3	205.7	17.63	10.03	212.3	2.002	5221.

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	4.057	53.43	10.59	25.52	158.1	4905.
Stddev	.085	.34	.34	.23	8.3	70.
%RSD	2.096	.6323	3.171	.8981	5.226	1.427
#1	4.142	53.23	10.73	25.29	158.2	4953.
#2	3.972	53.82	10.21	25.75	149.8	4824.
#3	4.056	53.23	10.83	25.50	166.4	4937.

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	4990.	16.57	4839.	43.34	10.31	18.60
Stddev	12.	.20	21.	.51	2.02	1.68
%RSD	.2413	1.227	.4429	1.183	19.62	9.052
#1	4990.	16.47	4854.	42.88	12.61	16.75
#2	5002.	16.81	4815.	43.24	9.523	20.05
#3	4978.	16.44	4849.	43.89	8.803	18.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/13/2016 19:24:51 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.48	21.42	52.33	31.90	49.78	20.00
Stddev	2.91	.47	.43	.08	.57	.06
%RSD	16.66	2.179	.8142	.2468	1.146	.2919
#1	15.87	21.79	51.84	31.99	50.30	20.07
#2	15.74	21.56	52.63	31.87	49.86	19.97
#3	20.85	20.89	52.51	31.84	49.17	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	51.40	21.00	20.78	F 9.925
Stddev	.89	.06	.07	7.455
%RSD	1.723	.2869	.3582	75.11
#1	51.91	21.07	20.86	11.98
#2	51.92	20.96	20.74	1.659
#3	50.38	20.97	20.72	16.14

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	3211.5	39788.	5893.2
Stddev	23.6	570.	103.8
%RSD	.73494	1.4322	1.7608
#1	3199.9	39360.	5799.1
#2	3195.9	39569.	5875.9
#3	3238.6	40434.	6004.5

Sample Name: 460-111285-A-58-A@4 Acquired: 4/13/2016 19:37:02 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	99390.	34.45	-8055	966.2	4.434	4661.
Stddev	160.	2.58	.4748	1.1	.136	35.
%RSD	.1610	7.479	58.94	.1165	3.075	.7458
#1	99470.	35.37	-.8816	965.0	4.278	4631.
#2	99200.	36.43	-.2973	967.2	4.495	4653.
#3	99490.	31.54	-1.238	966.4	4.530	4699.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.586	58.91	155.9	109.9	125000.	16090.
Stddev	.057	.56	.9	.1	578.	61.
%RSD	3.614	.9554	.5544	.1180	.4622	.3807
#1	-1.525	58.37	155.4	110.0	124500.	16130.
#2	-1.594	59.50	155.4	109.8	124800.	16020.
#3	-1.639	58.85	156.9	110.0	125600.	16120.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31910.	3801.	87.96	67.76	197.0	3.019
Stddev	171.	18.	4.21	.27	1.4	1.064
%RSD	.5368	.4613	4.790	.4032	.7075	35.23
#1	31760.	3794.	89.87	67.79	198.1	1.831
#2	31890.	3788.	90.87	68.01	197.6	3.345
#3	32100.	3821.	83.13	67.47	195.4	3.881

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111285-A-58-A@4 Acquired: 4/13/2016 19:37:02 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.805	-1.296	296.2	458.0	-.7270	4.886
Stddev	.438	1.314	1.3	3.2	.4516	.105
%RSD	4.978	101.4	.4536	.6880	62.12	2.151
#1	9.287	-1.761	294.8	454.5	-1.143	4.833
#2	8.429	.1875	296.6	458.9	-.7921	4.818
#3	8.699	-2.314	297.4	460.6	-.2463	5.008

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.583	31.25	6334.	1541.
Stddev	.317	.04	9.	42.
%RSD	12.27	.1317	.1361	2.717
#1	2.328	31.21	6329.	1516.
#2	2.483	31.27	6329.	1589.
#3	2.938	31.28	6344.	1517.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3777.2	46804.	7130.6
Stddev	7.2	284.	142.7
%RSD	.18937	.60670	2.0012
#1	3785.0	46940.	7154.6
#2	3775.6	46994.	7259.8
#3	3771.0	46478.	6977.4

Sample Name: 460-111285-A-70-A@4 Acquired: 4/13/2016 19:41:02 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	155200.	52.00	-2.584	732.3	4.027	4809.
Stddev	1143.	1.33	.414	1.5	.049	14.
%RSD	.7366	2.555	16.01	.2064	1.206	.2830
#1	154200.	50.80	-2.107	730.6	3.973	4819.
#2	154900.	51.78	-2.816	733.0	4.065	4793.
#3	156500.	53.43	-2.830	733.4	4.044	4814.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.833	22.92	331.6	311.8	F 207700.	40010.
Stddev	.192	.29	1.8	.4	559.	193.
%RSD	6.780	1.275	.5346	.1412	.2691	.4829
#1	-3.050	22.58	330.3	311.5	208000.	39820.
#2	-2.685	23.03	330.9	311.6	207100.	40000.
#3	-2.764	23.14	333.6	312.3	208100.	40210.

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	39750.	1224.	131.1	66.44	89.51	4.106
Stddev	54.	2.	7.2	.67	2.94	1.879
%RSD	.1366	.1575	5.497	1.005	3.281	45.77
#1	39820.	1225.	126.3	66.00	91.64	2.144
#2	39720.	1222.	139.3	67.20	90.72	5.890
#3	39720.	1225.	127.6	66.10	86.16	4.284

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111285-A-70-A@4 Acquired: 4/13/2016 19:41:02 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.26	-2.560	481.3	600.1	.5505	13.79
Stddev	3.28	.266	.6	1.0	.1225	.25
%RSD	20.17	10.38	.1301	.1715	22.24	1.846
#1	13.57	-2.774	480.6	599.0	.4449	13.50
#2	15.29	-2.645	481.3	601.0	.5219	13.87
#3	19.91	-2.263	481.8	600.3	.6848	13.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.577	52.84	8525.	2019.
Stddev	.944	.59	15.	52.
%RSD	26.39	1.122	.1703	2.596
#1	3.478	52.17	8517.	1976.
#2	4.567	53.29	8516.	2077.
#3	2.687	53.06	8542.	2004.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3526.3	43800.	6624.0
Stddev	7.6	455.	76.9
%RSD	.21526	1.0379	1.1602
#1	3521.1	43285.	6578.6
#2	3522.7	44146.	6712.8
#3	3535.0	43968.	6580.8

Sample Name: 460-111285-A-76-A@4 Acquired: 4/13/2016 19:49:00 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	148400.	27.24	-2.506	1065.	6.348	4743.
Stddev	493.	.79	.240	2.	.068	21.
%RSD	.3321	2.895	9.599	.1670	1.076	.4472

#1	147900.	26.33	-2.773	1065.	6.288	4736.
#2	148500.	27.67	-2.307	1063.	6.334	4767.
#3	148800.	27.72	-2.437	1066.	6.422	4727.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.489	79.76	326.7	194.9	F 237000.	26790.
Stddev	.083	.57	1.3	1.0	454.	122.
%RSD	3.323	.7177	.3878	.5026	.1914	.4541

#1	-2.454	79.14	325.6	194.3	236700.	26650.
#2	-2.431	79.86	328.1	196.0	237500.	26870.
#3	-2.584	80.27	326.4	194.4	236800.	26840.

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	35920.	1755.	91.16	134.9	89.30	5.059
Stddev	158.	5.	.88	.4	.64	.616
%RSD	.4395	.2772	.9678	.2834	.7181	12.17

#1	36020.	1758.	92.07	134.5	88.70	4.758
#2	35990.	1758.	90.31	135.0	89.97	4.652
#3	35730.	1749.	91.12	135.3	89.22	5.767

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111285-A-76-A@4 Acquired: 4/13/2016 19:49:00 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.30	-6.486	668.7	623.9	-2.286	5.813
Stddev	2.91	.771	2.9	2.6	1.371	.144
%RSD	16.83	11.89	.4294	.4161	59.98	2.476
#1	16.75	-6.183	665.6	621.0	-3.842	5.963
#2	14.70	-7.362	671.3	624.9	-1.757	5.677
#3	20.45	-5.912	669.1	625.9	-1.258	5.798

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.969	45.07	10370.	1433.
Stddev	.189	.23	28.	15.
%RSD	4.768	.5157	.2667	1.075
#1	3.785	44.81	10370.	1421.
#2	4.163	45.15	10390.	1427.
#3	3.959	45.25	10340.	1450.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3508.7	43713.	6697.4
Stddev	9.4	231.	15.7
%RSD	.26745	.52828	.23405
#1	3498.0	43491.	6701.7
#2	3512.9	43696.	6710.4
#3	3515.3	43952.	6680.0

Sample Name: 460-111285-A-94-A@4 Acquired: 4/13/2016 19:57:12 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	107100.	31.76	-8565	462.1	3.176	4052.
Stddev	714.	2.63	.3338	2.2	.138	34.
%RSD	.6663	8.264	38.98	.4701	4.344	.8340

#1	106300.	34.70	-.6642	459.8	3.021	4014.
#2	107500.	30.94	-.6635	462.3	3.285	4079.
#3	107500.	29.65	-1.242	464.2	3.221	4063.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.598	36.30	173.3	61.16	152500.	8092.
Stddev	.101	.28	1.5	.58	653.	54.
%RSD	3.882	.7739	.8905	.9556	.4282	.6686

#1	-2.522	36.14	171.9	60.53	152000.	8041.
#2	-2.713	36.62	175.0	61.69	153200.	8149.
#3	-2.560	36.13	173.0	61.26	152400.	8087.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14950.	1106.	117.1	72.71	73.22	3.859
Stddev	37.	5.	6.5	.40	2.82	1.656
%RSD	.2499	.4425	5.520	.5456	3.850	42.90

#1	14940.	1101.	118.8	72.28	73.56	5.768
#2	15000.	1110.	122.5	72.76	75.86	2.994
#3	14930.	1107.	109.9	73.07	70.25	2.815

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111285-A-94-A@4 Acquired: 4/13/2016 19:57:12 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.58	-2.051	250.7	320.1	13.39	5.254
Stddev	3.39	2.061	2.5	1.9	.24	.418
%RSD	24.94	100.5	.9979	.5902	1.788	7.957
#1	13.31	-.2661	248.0	319.9	13.44	4.791
#2	17.10	-1.580	252.8	322.1	13.60	5.367
#3	10.34	-4.307	251.5	318.3	13.13	5.604

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	4.514	41.35	3091.	1825.
Stddev	1.388	.34	11.	3.
%RSD	30.74	.8295	.3672	.1671
#1	5.958	40.96	3078.	1827.
#2	3.191	41.55	3101.	1825.
#3	4.393	41.55	3093.	1821.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3300.1	41212.	6197.7
Stddev	9.1	93.	69.5
%RSD	.27512	.22593	1.1210
#1	3310.5	41275.	6255.7
#2	3295.3	41105.	6216.9
#3	3294.4	41256.	6120.7

Sample Name: CCV Acquired: 4/13/2016 20:09:18 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124900.	2540.	1280.	10410.	1010.	131100.
Stddev	648.	22.	4.	14.	6.	232.
%RSD	.5192	.8634	.3381	.1372	.5579	.1767

#1	124100.	2515.	1284.	10400.	1004.	131400.
#2	125300.	2556.	1275.	10410.	1012.	130900.
#3	125200.	2551.	1282.	10430.	1015.	131100.

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	1288.	2579.	5225.	12800.	103000.	50750.
Stddev	6.	10.	5.	29.	321.	209.
%RSD	.4675	.3880	.1038	.2302	.3111	.4109

#1	1281.	2568.	5230.	12810.	103100.	50520.
#2	1290.	2580.	5219.	12760.	102700.	50800.
#3	1293.	2588.	5225.	12820.	103300.	50930.

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	128800.	5270.	125400.	2596.	7701.	1003.
Stddev	373.	9.	615.	5.	42.	4.
%RSD	.2894	.1621	.4904	.2106	.5500	.4307

#1	128900.	5273.	124700.	2590.	7655.	998.9
#2	128400.	5261.	125800.	2598.	7709.	1003.
#3	129200.	5277.	125600.	2601.	7738.	1008.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/13/2016 20:09:18 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2493.	2614.	2590.	2589.	1015.	2572.
Stddev	21.	22.	7.	16.	5.	9.
%RSD	.8539	.8588	.2778	.6190	.4560	.3623

#1	2469.	2591.	2593.	2572.	1010.	2561.
#2	2501.	2636.	2582.	2594.	1018.	2575.
#3	2510.	2616.	2595.	2603.	1017.	2579.

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	1036.	5149.	10240.	9811.
Stddev	4.	25.	33.	62.
%RSD	.3706	.4781	.3235	.6272

#1	1032.	5122.	10240.	9750.
#2	1036.	5155.	10210.	9810.
#3	1039.	5171.	10270.	9873.

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	2962.2	37197.	5645.5
Stddev	6.0	149.	3.7
%RSD	.20251	.40187	.06616

#1	2969.2	37026.	5641.2
#2	2958.6	37268.	5647.8
#3	2959.0	37298.	5647.5

Sample Name: CCVL Acquired: 4/13/2016 20:17:30 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	208.1	14.52	10.48	221.8	2.023	5434.
Stddev	12.1	.68	.22	.7	.047	32.
%RSD	5.814	4.682	2.138	.3207	2.318	.5863

#1	199.5	14.74	10.73	221.3	2.076	5399.
#2	222.0	15.06	10.34	221.6	1.987	5461.
#3	203.0	13.76	10.35	222.6	2.005	5442.

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	4.348	55.91	10.83	26.24	168.5	5084.
Stddev	.072	.26	.19	.24	7.9	7.
%RSD	1.666	.4566	1.716	.9265	4.661	.1463

#1	4.348	55.62	10.97	26.04	160.5	5077.
#2	4.420	56.03	10.62	26.17	168.8	5084.
#3	4.275	56.08	10.90	26.51	176.2	5092.

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	5194.	17.12	5031.	45.45	10.94	20.50
Stddev	48.	.05	16.	.64	1.36	.83
%RSD	.9217	.2965	.3168	1.411	12.41	4.041

#1	5139.	17.12	5024.	44.83	12.35	19.60
#2	5214.	17.07	5019.	45.41	9.647	20.66
#3	5228.	17.17	5049.	46.11	10.81	21.24

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/13/2016 20:17:30 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.28	21.81	54.48	33.15	51.81	21.04
Stddev	3.28	.13	.28	.28	.66	.32
%RSD	17.96	.5810	.5070	.8549	1.271	1.522
#1	17.07	21.67	54.18	32.86	51.69	20.71
#2	15.78	21.85	54.54	33.15	51.22	21.07
#3	22.00	21.92	54.72	33.42	52.52	21.34

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	53.17	21.79	22.03	F 6.157
Stddev	.48	.20	.34	11.26
%RSD	.9099	.9030	1.530	182.8
#1	52.61	21.76	22.00	-2.460
#2	53.41	21.60	21.71	18.89
#3	53.49	21.99	22.38	2.040

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	3148.8	39106.	5766.4
Stddev	11.9	198.	53.5
%RSD	.37763	.50725	.92734
#1	3154.4	39335.	5800.5
#2	3156.9	38998.	5794.0
#3	3135.2	38986.	5704.8

Sample Name: 460-111964-B-2-B@4 Acquired: 4/13/2016 20:21:44 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	62210.	25.19	.3746	554.0	2.826	72500.
Stddev	412.	2.10	.1888	1.3	.037	238.
%RSD	.6621	8.352	50.38	.2275	1.304	.3286

#1	61760.	23.47	.1757	554.7	2.850	72480.
#2	62290.	27.54	.5511	554.7	2.844	72270.
#3	62570.	24.57	.3971	552.6	2.783	72740.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4815	66.64	164.0	380.8	143400.	6057.
Stddev	.0392	.47	.9	.7	520.	81.
%RSD	8.148	.7019	.5204	.1758	.3628	1.334

#1	-.5268	66.10	163.1	381.2	143100.	5982.
#2	-.4611	66.95	164.7	381.2	143100.	6045.
#3	-.4567	66.88	164.4	380.0	144000.	6142.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43820.	2141.	11420.	183.9	542.0	5.755
Stddev	118.	7.	62.	.3	3.7	1.218
%RSD	.2702	.3259	.5462	.1387	.6791	21.17

#1	43840.	2140.	11350.	183.9	538.0	6.981
#2	43690.	2135.	11440.	184.2	542.6	4.545
#3	43920.	2149.	11470.	183.7	545.3	5.739

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111964-B-2-B@4 Acquired: 4/13/2016 20:21:44 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.07	-2.846	314.7	1064.	163.0	14.94
Stddev	2.96	.395	1.1	4.	.4	.31
%RSD	21.05	13.88	.3518	.4133	.2335	2.096
#1	17.13	-2.420	313.4	1060.	162.9	15.30
#2	11.21	-3.200	315.4	1064.	163.4	14.70
#3	13.88	-2.918	315.2	1068.	162.7	14.83

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	14.20	273.0	4695.	2085.
Stddev	1.47	1.6	15.	18.
%RSD	10.38	.5910	.3201	.8425
#1	12.50	271.5	4683.	2092.
#2	15.14	272.9	4690.	2098.
#3	14.96	274.7	4712.	2065.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3232.4	40346.	6138.5
Stddev	13.9	305.	59.7
%RSD	.43026	.75496	.97322
#1	3217.4	39998.	6136.0
#2	3234.8	40566.	6199.5
#3	3244.9	40472.	6080.1

Sample Name: 460-111961-B-2-B@4 Acquired: 4/13/2016 20:33:47 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	69520.	24.59	-.2885	611.3	3.522	25360.
Stddev	224.	.75	.0689	1.3	.018	73.
%RSD	.3217	3.047	23.90	.2058	.4956	.2896

#1	69460.	24.35	-.2985	612.8	3.502	25290.
#2	69330.	25.43	-.2152	610.7	3.536	25350.
#3	69770.	23.99	-.3520	610.5	3.527	25430.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.071	53.37	135.4	318.7	140200.	7644.
Stddev	.241	.27	.7	2.3	222.	14.
%RSD	22.54	.5099	.5408	.7125	.1583	.1853

#1	-.9295	53.14	135.4	318.7	139900.	7658.
#2	-1.350	53.32	136.2	320.9	140300.	7644.
#3	-.9346	53.67	134.7	316.4	140300.	7630.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25580.	1718.	2043.	153.9	584.6	4.643
Stddev	46.	4.	12.	.3	.6	1.990
%RSD	.1781	.2066	.5969	.1999	.0983	42.85

#1	25570.	1714.	2029.	153.8	585.2	2.433
#2	25630.	1719.	2053.	153.7	584.0	5.205
#3	25540.	1721.	2048.	154.3	584.7	6.290

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111961-B-2-B@4 Acquired: 4/13/2016 20:33:47 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.23	-1.449	201.3	738.0	68.31	8.712
Stddev	1.89	2.069	1.3	1.4	.35	.404
%RSD	18.51	142.8	.6460	.1905	.5106	4.632
#1	9.433	-3.804	201.3	737.3	67.91	8.527
#2	12.39	.0759	202.6	737.1	68.49	8.435
#3	8.860	-.6184	200.0	739.6	68.53	9.175

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	28.43	177.2	1810.	2292.
Stddev	.29	.3	1.	8.
%RSD	1.030	.1639	.0500	.3671
#1	28.76	177.0	1809.	2300.
#2	28.21	177.0	1811.	2283.
#3	28.33	177.5	1810.	2293.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3226.6	40238.	6034.1
Stddev	5.5	83.	30.0
%RSD	.17069	.20742	.49693
#1	3227.9	40242.	6027.0
#2	3231.3	40320.	6067.0
#3	3220.5	40153.	6008.4

Sample Name: 460-111950-E-1-B@4 Acquired: 4/13/2016 20:41:46 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15960.	14.65	-.2689	183.9	.7216	8761.
Stddev	250.	2.92	.5286	3.8	.0642	139.
%RSD	1.567	19.94	196.5	2.067	8.894	1.586

#1	15670.	11.85	.2824	180.1	.7325	8612.
#2	16110.	14.41	-.7714	183.8	.7796	8784.
#3	16090.	17.68	-.3178	187.7	.6526	8888.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3199	11.19	55.62	133.5	37280.	3425.
Stddev	.1852	.48	1.16	2.4	801.	98.
%RSD	57.89	4.254	2.079	1.795	2.149	2.853

#1	-.4464	10.77	54.72	131.2	36450.	3316.
#2	-.1074	11.09	55.20	133.5	37340.	3454.
#3	-.4060	11.71	56.92	136.0	38050.	3505.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7000.	360.6	1462.	29.47	1181.	.6051
Stddev	134.	7.0	23.	.28	25.	.6432
%RSD	1.908	1.932	1.578	.9646	2.113	106.3

#1	6877.	353.4	1436.	29.17	1155.	1.186
#2	6982.	360.9	1472.	29.51	1184.	-.0864
#3	7142.	367.4	1479.	29.74	1205.	.7160

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111950-E-1-B@4 Acquired: 4/13/2016 20:41:46 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {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	.1180	53.14	502.2	19.53	3.895
Stddev	1.696	.6113	.85	11.3	.57	.229
%RSD	55.45	517.8	1.596	2.255	2.904	5.890
#1	3.999	.4576	52.27	491.1	19.17	3.982
#2	1.101	.4842	53.19	501.7	19.23	4.068
#3	4.077	-.5876	53.97	513.7	20.18	3.635

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	35.07	48.64	1089.	1222.
Stddev	1.88	.61	20.	18.
%RSD	5.361	1.261	1.871	1.509
#1	32.91	47.94	1068.	1201.
#2	35.99	49.09	1090.	1235.
#3	36.32	48.88	1109.	1230.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3111.4	38865.	5712.2
Stddev	3.2	65.	33.5
%RSD	.10176	.16734	.58594
#1	3113.9	38791.	5714.0
#2	3112.5	38889.	5677.9
#3	3107.9	38914.	5744.8

Sample Name: scan Acquired: 4/13/2016 20:50:05 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37060.	749.8	159.0	F 1229.	511.1	30770.
Stddev	99.	5.8	.8	4.	1.6	194.
%RSD	.2668	.7687	.5097	.3486	.3135	.6298

#1	37110.	755.7	159.3	1233.	511.0	30640.
#2	36950.	744.2	158.0	1225.	509.5	30680.
#3	37130.	749.5	159.5	1229.	512.7	31000.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				1225.		
Low Limit				870.0		

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	484.8	878.6	809.2	924.6	79270.	11620.
Stddev	1.1	2.5	4.5	4.4	357.	36.
%RSD	.2363	.2823	.5516	.4736	.4497	.3136

#1	486.0	879.4	807.5	928.5	79090.	11590.
#2	483.8	875.9	805.8	919.9	79040.	11600.
#3	484.5	880.7	814.2	925.5	79680.	11660.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12900.	F 1974.	4183.	F 765.3	823.6	444.5
Stddev	63.	10.	24.	1.8	3.5	2.5
%RSD	.4896	.5303	.5798	.2410	.4288	.5572

#1	12850.	1970.	4183.	767.2	826.0	446.9
#2	12880.	1967.	4159.	763.5	819.6	444.6
#3	12970.	1986.	4208.	765.3	825.4	442.0

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		1835.		755.0		
Low Limit		1260.		535.0		

Sample Name: scan Acquired: 4/13/2016 20:50:05 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	910.9	826.9	F 621.8	1063.	691.1	651.9
Stddev	4.0	1.5	2.8	5.	2.1	1.6
%RSD	.4402	.1803	.4488	.4464	.2970	.2493
#1	915.5	825.5	621.1	1059.	693.4	652.5
#2	908.8	826.8	619.4	1063.	690.4	650.1
#3	908.4	828.5	624.9	1069.	689.5	653.1
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			595.0			
Low Limit			373.0			

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	828.4	561.5	1537.	2268.
Stddev	1.1	1.2	7.	5.
%RSD	.1288	.2213	.4319	.2009
#1	827.3	561.8	1534.	2266.
#2	828.3	560.1	1532.	2273.
#3	829.5	562.5	1544.	2265.
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	3197.2	39879.	5956.2
Stddev	6.9	105.	78.8
%RSD	.21487	.26326	1.3224
#1	3189.2	39910.	5972.5
#2	3201.5	39964.	6025.6
#3	3200.8	39761.	5870.6

Sample Name: CCV Acquired: 4/13/2016 20:57:58 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123900.	2543.	1263.	10430.	1003.	129600.
Stddev	494.	7.	1.	4.	5.	260.
%RSD	.3990	.2912	.0845	.0341	.5455	.2005

#1	124500.	2551.	1264.	10430.	1009.	129900.
#2	123600.	2543.	1262.	10420.	999.9	129400.
#3	123600.	2536.	1264.	10420.	999.8	129600.

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	1283.	2564.	5219.	12750.	101200.	50420.
Stddev	2.	3.	13.	17.	107.	286.
%RSD	.1468	.1317	.2422	.1360	.1056	.5671

#1	1285.	2568.	5230.	12770.	101200.	50720.
#2	1282.	2562.	5221.	12750.	101300.	50150.
#3	1282.	2562.	5205.	12740.	101100.	50390.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125900.	5218.	123600.	2599.	7581.	1000.
Stddev	172.	4.	368.	4.	13.	1.
%RSD	.1367	.0771	.2979	.1616	.1778	.1338

#1	125800.	5219.	124100.	2604.	7597.	1001.
#2	125700.	5213.	123400.	2595.	7573.	998.6
#3	126100.	5221.	123400.	2598.	7574.	1001.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/13/2016 20:57:58 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2454.	2594.	2569.	2547.	1029.	2575.
Stddev	10.	4.	3.	6.	2.	4.
%RSD	.4222	.1579	.1032	.2239	.1728	.1604

#1	2451.	2592.	2572.	2553.	1030.	2577.
#2	2466.	2599.	2570.	2541.	1030.	2578.
#3	2446.	2592.	2567.	2546.	1027.	2571.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1035.	5133.	10180.	9758.
Stddev	4.	30.	40.	51.
%RSD	.3836	.5754	.3968	.5269

#1	1038.	5167.	10190.	9733.
#2	1036.	5111.	10210.	9723.
#3	1030.	5122.	10130.	9817.

Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3020.4	38226.	5806.1
Stddev	10.5	204.	64.1
%RSD	.34756	.53324	1.1036

#1	3008.9	38022.	5740.1
#2	3023.0	38227.	5809.9
#3	3029.4	38430.	5868.1

Sample Name: CCB Acquired: 4/13/2016 21:01:59 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.0162	-1.861	.5703	.2980	.0567	-24.39
Stddev	8.818	1.746	.4416	.0201	.0723	3.53
%RSD	54580.	93.82	77.43	6.745	127.5	14.46

#1	-5.487	-9.137	1.022	.3117	.0951	-24.65
#2	-4.717	-7.932	.1390	.2749	.1016	-27.78
#3	10.16	-3.876	.5504	.3073	-.0267	-20.74

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1535	.0626	-.1092	.1317	-4.013	.3340
Stddev	.1147	.2756	.0979	.2118	3.289	26.95
%RSD	74.76	440.2	89.62	160.9	81.95	8067.

#1	-.2410	.1106	-.0131	.3456	-2.238	23.98
#2	-.0236	.3111	-.2088	.1275	-1.994	-29.00
#3	-.1959	-.2339	-.1058	-.0780	-7.808	6.024

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.546	.0778	1.403	-.0753	-.7585	.5061
Stddev	2.234	.0805	4.738	.1542	.3824	.6955
%RSD	49.15	103.5	337.7	204.6	50.42	137.4

#1	6.494	.1450	6.714	-.0544	-1.195	1.297
#2	2.107	-.0114	-2.392	-.2389	-.4822	.2321
#3	5.036	.0998	-.1127	.0673	-.5985	-.0108

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/13/2016 21:01:59 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.064	.0407	-.1493	-.0394	.2179	.6034
Stddev	1.615	1.894	.2645	.0567	.3915	.1614
%RSD	151.8	4648.	177.2	143.9	179.7	26.75
#1	-2.481	-1.148	.1509	-.1042	-.0015	.6423
#2	-1.405	2.225	-.3482	.0011	-.0147	.7418
#3	.6940	-.9545	-.2505	-.0151	.6700	.4261

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4730	.0705	.2846	12.07
Stddev	.1525	.0903	.1164	11.54
%RSD	32.23	128.0	40.91	95.64
#1	-.6038	-.0303	.3651	22.55
#2	-.3056	.0978	.1511	13.95
#3	-.5097	.1440	.3375	-.3003

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	3204.0	39891.	5892.1
Stddev	1.9	129.	35.5
%RSD	.05988	.32422	.60265
#1	3202.1	40005.	5886.1
#2	3204.0	39918.	5930.2
#3	3206.0	39750.	5859.9

Sample Name: CCVL Acquired: 4/13/2016 21:06:19 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	202.9	12.19	9.911	215.7	2.029	5238.
Stddev	10.9	1.40	.523	.8	.067	21.
%RSD	5.385	11.48	5.282	.3888	3.306	.3992

#1	209.9	13.77	10.19	216.3	2.065	5228.
#2	208.4	11.11	9.307	215.9	2.070	5225.
#3	190.3	11.69	10.24	214.7	1.951	5263.

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	4.016	53.75	10.54	24.91	156.4	4820.
Stddev	.035	.19	.36	.17	2.4	31.
%RSD	.8694	.3488	3.385	.6770	1.560	.6358

#1	3.980	53.92	10.87	25.10	153.9	4855.
#2	4.050	53.79	10.58	24.79	158.8	4801.
#3	4.017	53.55	10.16	24.83	156.5	4804.

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	4844.	16.51	4681.	43.95	9.503	20.20
Stddev	45.	.14	28.	.83	1.874	.29
%RSD	.9192	.8748	.6005	1.899	19.72	1.450

#1	4824.	16.61	4709.	43.17	9.861	20.44
#2	4812.	16.35	4681.	43.85	7.475	19.87
#3	4895.	16.58	4653.	44.83	11.17	20.29

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/13/2016 21:06:19 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.60	21.67	51.92	31.85	50.95	20.35
Stddev	.93	.86	.31	.15	.63	.15
%RSD	5.581	3.970	.6062	.4728	1.229	.7137
#1	17.34	22.60	51.89	31.68	51.63	20.19
#2	15.56	20.91	51.62	31.94	50.81	20.42
#3	16.91	21.49	52.25	31.94	50.40	20.45

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	51.84	20.69	20.70	F 17.51
Stddev	.10	.14	.27	3.73
%RSD	.1880	.6576	1.301	21.30
#1	51.91	20.79	20.42	21.11
#2	51.73	20.75	20.73	13.66
#3	51.87	20.54	20.96	17.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3173.6	39590.	5898.9
Stddev	6.2	48.	67.8
%RSD	.19532	.12050	1.1500
#1	3166.5	39595.	5820.7
#2	3176.8	39635.	5934.3
#3	3177.7	39540.	5941.7

Sample Name: 460-111686-D-4-A@20 Acquired: 4/13/2016 21:18:47 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12160.	21.26	-5901	19.12	.7146	34.08
Stddev	110.	.03	.4093	.37	.0434	3.68
%RSD	.9005	.1557	69.36	1.953	6.077	10.81
#1	12030.	21.22	-.3912	18.73	.6898	31.95
#2	12240.	21.27	-.3183	19.16	.6892	31.95
#3	12200.	21.28	-1.061	19.47	.7647	38.33

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.176	.9391	41.82	7.580	49570.	4330.
Stddev	.078	.0863	1.64	.129	813.	76.
%RSD	6.668	9.187	3.911	1.708	1.641	1.764
#1	-1.265	.8412	40.61	7.441	48720.	4242.
#2	-1.117	1.004	41.17	7.603	49640.	4379.
#3	-1.146	.9720	43.68	7.696	50340.	4369.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1374.	32.69	27.12	6.905	18.46	-.1113
Stddev	28.	.75	2.30	.368	1.67	1.841
%RSD	2.014	2.291	8.468	5.328	9.037	1655.
#1	1346.	31.90	28.19	7.222	20.30	-1.060
#2	1374.	32.78	24.48	6.993	18.04	-1.285
#3	1402.	33.39	28.68	6.502	17.05	2.011

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111686-D-4-A@20 Acquired: 4/13/2016 21:18:47 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.554	-.9783	75.91	12.79	19.10	.0759
Stddev	1.608	.8882	1.97	.47	.35	.1259
%RSD	45.24	90.79	2.591	3.704	1.839	165.9
#1	4.416	-1.968	73.99	12.25	18.76	-.0025
#2	1.699	-.7178	75.83	13.15	19.46	.0090
#3	4.547	-.2495	77.92	12.98	19.06	.2211

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.469	8.601	141.5	258.1
Stddev	1.034	.164	2.8	8.3
%RSD	41.88	1.912	1.960	3.233
#1	1.474	8.412	138.5	258.3
#2	3.537	8.711	142.1	249.6
#3	2.395	8.680	144.0	266.3

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	3189.0	39441.	5922.4
Stddev	7.2	216.	29.4
%RSD	.22722	.54716	.49694
#1	3190.7	39597.	5905.3
#2	3181.1	39531.	5905.6
#3	3195.3	39194.	5956.4

Sample Name: scan Acquired: 4/13/2016 21:10:34 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40360.	F 537.8	F 216.4	F 1793.	F 362.8	F 36440.
Stddev	731.	8.1	3.3	27.	8.1	736.
%RSD	1.812	1.514	1.523	1.524	2.232	2.019

#1	39640.	530.3	213.2	1764.	354.6	35770.
#2	40350.	536.7	216.3	1797.	363.1	36330.
#3	41100.	546.5	219.8	1818.	370.7	37230.

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit		880.0	195.5	1225.	570.0	33800.
Low Limit		575.0	117.5	870.0	402.0	23050.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 848.7	F 984.9	F 1078.	F 600.2	76920.	12970.
Stddev	13.1	15.3	20.	9.3	1794.	237.
%RSD	1.544	1.553	1.883	1.557	2.332	1.826

#1	835.2	969.8	1061.	591.4	75220.	12750.
#2	849.5	984.5	1073.	599.2	76740.	12940.
#3	861.3	1000.	1100.	610.0	78800.	13220.

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit	515.0	890.0	855.0	1020.		
Low Limit	362.0	645.0	570.0	705.0		

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	13580.	F 2538.	F 13730.	F 937.1	727.4	297.8
Stddev	280.	49.	210.	16.1	12.9	4.6
%RSD	2.065	1.931	1.532	1.721	1.770	1.550

#1	13300.	2492.	13530.	920.0	715.4	293.3
#2	13570.	2532.	13700.	939.2	725.7	297.6
#3	13860.	2589.	13950.	952.1	741.0	302.5

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit		1835.	5500.	755.0		
Low Limit		1260.	3160.	535.0		

Sample Name: scan Acquired: 4/13/2016 21:10:34 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	822.9	F 1077.	548.8	1107.	781.6	F 958.8
Stddev	14.5	15.	10.7	21.	12.7	17.1
%RSD	1.759	1.420	1.949	1.942	1.631	1.779
#1	811.9	1061.	537.8	1085.	768.1	940.8
#2	817.5	1078.	549.4	1108.	783.2	960.8
#3	839.3	1092.	559.1	1128.	793.4	974.8
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit		855.0				705.0
Low Limit		560.0				457.5

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	588.7	485.5	2165.	1019.
Stddev	10.4	8.8	41.	28.
%RSD	1.776	1.813	1.910	2.704
#1	577.0	476.7	2125.	990.7
#2	592.3	485.5	2163.	1021.
#3	596.9	494.4	2207.	1046.
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	3273.0	40942.	6201.5
Stddev	14.0	223.	17.8
%RSD	.42799	.54346	.28780
#1	3258.5	40686.	6185.9
#2	3274.1	41092.	6221.0
#3	3286.5	41047.	6197.5

Sample Name: MB 460-361880/1-A Acquired: 4/13/2016 21:35:43 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5146	-.9463	.0188	.0365	-.0487	-34.86
Stddev	1.865	.3265	.4992	.1339	.0496	3.85
%RSD	362.5	34.50	2659.	366.5	101.8	11.04
#1	.9952	-.6685	-.5435	-.0456	.0084	-39.19
#2	-1.544	-.8646	.1899	-.0359	-.0812	-31.82
#3	2.092	-1.306	.4100	.1910	-.0734	-33.59

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1636	.0199	-.0849	-.5567	-6.618	-20.84
Stddev	.1346	.2095	.2073	.1932	2.906	29.73
%RSD	82.29	1055.	244.1	34.70	43.91	142.6
#1	-.1985	-.1270	.0608	-.6853	-4.974	13.47
#2	-.0150	.2598	.0067	-.6503	-4.906	-38.80
#3	-.2773	-.0732	-.3223	-.3346	-9.974	-37.20

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.196	-.0828	-9.120	-.4946	-.8302	.6566
Stddev	3.637	.0421	5.761	.1977	.6368	.3332
%RSD	304.0	50.77	63.17	39.97	76.70	50.74
#1	1.147	-.1280	-15.69	-.2664	-1.465	.3448
#2	-2.416	-.0448	-4.932	-.6137	-.8339	.6174
#3	4.858	-.0757	-6.736	-.6036	-.1916	1.008

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-361880/1-A Acquired: 4/13/2016 21:35:43 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.606	.0904	.0477	.4210	-1.096	-.6734
Stddev	2.753	.9176	.2927	.2166	.390	.2160
%RSD	105.6	1015.	613.7	51.45	35.54	32.07
#1	.2943	-.9047	.0210	.6257	-1.011	-.9225
#2	-2.929	.9030	.3528	.4431	-1.522	-.5571
#3	-5.183	.2730	-.2307	.1942	-.7565	-.5404

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0311	.0084	-.1435	9.343
Stddev	.5465	.0736	.1026	8.183
%RSD	1754.	876.9	71.46	87.59
#1	-.6621	.0761	-.1294	18.71
#2	.2762	-.0699	-.0488	3.580
#3	.2925	.0190	-.2524	5.739

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	3195.6	39685.	5924.7
Stddev	8.2	133.	35.4
%RSD	.25650	.33512	.59675
#1	3187.1	39544.	5956.5
#2	3203.5	39809.	5886.6
#3	3196.3	39701.	5931.1

Sample Name: 460-110252-G-2-B DU Acquired: 4/13/2016 21:43:59 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	489.7	-1.326	.5720	105.0	.6807	16240.
Stddev	6.4	2.042	.5000	.3	.0129	41.
%RSD	1.308	154.0	87.40	.2891	1.893	.2509
#1	497.0	-3.472	.9534	105.3	.6660	16260.
#2	485.1	.5942	.7568	104.7	.6899	16270.
#3	487.0	-1.100	.0060	105.2	.6862	16190.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0087	.6992	7.388	20.07	88.75	4668.
Stddev	.1966	.1158	.380	.45	5.77	41.
%RSD	2271.	16.56	5.143	2.254	6.498	.8840
#1	-.2349	.5980	6.954	20.18	85.77	4648.
#2	.1203	.6740	7.661	19.57	95.40	4640.
#3	.0887	.8255	7.549	20.45	85.08	4715.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2533.	278.6	21430.	7.400	-2.764	-.5907
Stddev	13.	.5	122.	.530	2.202	.9966
%RSD	.4992	.1865	.5697	7.165	79.66	168.7
#1	2529.	278.3	21330.	7.193	-5.098	-.6634
#2	2523.	279.2	21390.	7.005	-.7240	.4402
#3	2547.	278.2	21570.	8.003	-2.470	-1.549

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110252-G-2-B DU Acquired: 4/13/2016 21:43:59 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0060	-1.191	-.0705	24.86	24.48	-.0767
Stddev	2.448	1.248	.3237	.08	.13	.1507
%RSD	40590.	104.8	459.3	.3261	.5180	196.4
#1	2.080	-2.628	-.4441	24.76	24.57	-.2500
#2	.6323	-.5640	.1067	24.92	24.54	-.0045
#3	-2.695	-.3812	.1260	24.89	24.34	.0243

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3273	48.27	2.158	5717.
Stddev	1.225	.28	.189	42.
%RSD	374.1	.5727	8.771	.7395
#1	1.554	48.04	1.984	5721.
#2	-.8956	48.20	2.131	5673.
#3	.3239	48.58	2.360	5757.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3298.9	41190.	6120.4
Stddev	15.9	155.	31.2
%RSD	.48152	.37559	.51035
#1	3282.9	41183.	6148.0
#2	3314.7	41040.	6126.5
#3	3299.1	41349.	6086.5

Sample Name: 460-111686-A-2-A@20 Acquired: 4/13/2016 21:14:32 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10750.	13.65	.1688	17.59	.6499	126.9
Stddev	179.	1.49	.2767	.37	.0879	6.0
%RSD	1.667	10.94	163.9	2.081	13.52	4.716

#1	10570.	11.94	-.0682	17.27	.6265	122.6
#2	10750.	14.36	.1017	17.50	.5760	133.8
#3	10920.	14.66	.4729	17.99	.7471	124.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.085	.8903	34.97	9.195	43600.	3173.
Stddev	.092	.0271	.76	.443	641.	21.
%RSD	8.514	3.043	2.176	4.817	1.469	.6584

#1	-1.175	.8895	34.41	8.693	42930.	3157.
#2	-1.090	.9177	34.66	9.529	43670.	3165.
#3	-.9905	.8635	35.84	9.364	44210.	3197.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1138.	36.35	19.98	40.72	16.52	2.449
Stddev	15.	.56	.35	.18	1.69	1.511
%RSD	1.356	1.545	1.759	.4448	10.22	61.70

#1	1121.	35.77	20.15	40.52	15.37	.8947
#2	1143.	36.39	20.22	40.76	15.73	3.913
#3	1151.	36.89	19.58	40.88	18.46	2.540

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111686-A-2-A@20 Acquired: 4/13/2016 21:14:32 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.167	-1.637	65.97	14.82	13.41	.2134
Stddev	4.607	1.789	1.55	.28	.19	.1560
%RSD	394.7	109.3	2.355	1.880	1.434	73.10
#1	-2.709	-2.539	64.29	14.60	13.36	.3916
#2	6.260	-2.795	66.25	14.73	13.62	.1475
#3	-.0501	.4231	67.36	15.14	13.25	.1012

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.269	6.286	98.10	253.2
Stddev	.384	.101	1.91	7.9
%RSD	16.93	1.612	1.942	3.122
#1	2.711	6.169	96.18	249.2
#2	2.021	6.356	98.13	262.3
#3	2.074	6.332	99.99	248.0

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	3259.4	40436.	5928.0
Stddev	15.9	329.	75.0
%RSD	.48745	.81291	1.2649
#1	3241.4	40086.	5842.1
#2	3265.2	40482.	5961.8
#3	3271.5	40739.	5980.2

Sample Name: CCV Acquired: 4/13/2016 21:52:30 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	118200.	2520.	1235.	10360.	967.4	128400.
Stddev	884.	5.	2.	33.	5.0	271.
%RSD	.7480	.1882	.1269	.3220	.5171	.2108

#1	117600.	2518.	1237.	10400.	965.0	128600.
#2	117800.	2525.	1233.	10350.	964.0	128600.
#3	119200.	2516.	1235.	10340.	973.1	128100.

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	1267.	2526.	5199.	12600.	98250.	48870.
Stddev	2.	2.	14.	19.	333.	198.
%RSD	.1479	.0594	.2718	.1523	.3392	.4049

#1	1270.	2524.	5209.	12620.	98150.	48740.
#2	1267.	2527.	5205.	12600.	97980.	48780.
#3	1266.	2526.	5183.	12580.	98620.	49100.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122100.	5154.	117800.	2586.	7394.	982.5
Stddev	282.	8.	966.	7.	25.	4.8
%RSD	.2312	.1545	.8197	.2617	.3334	.4870

#1	122100.	5158.	117300.	2593.	7368.	977.0
#2	121800.	5159.	117300.	2587.	7397.	985.1
#3	122300.	5145.	119000.	2579.	7417.	985.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/13/2016 21:52:30 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2379.	2542.	2529.	2490.	1022.	2552.
Stddev	24.	13.	2.	4.	2.	6.
%RSD	1.024	.5166	.0862	.1657	.2091	.2385

#1	2353.	2535.	2530.	2486.	1024.	2558.
#2	2382.	2534.	2531.	2492.	1022.	2546.
#3	2401.	2558.	2527.	2494.	1020.	2553.

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	1022.	4978.	9912.	9572.
Stddev	2.	18.	37.	119.
%RSD	.1809	.3602	.3696	1.242

#1	1024.	4965.	9894.	9553.
#2	1021.	4971.	9954.	9698.
#3	1021.	4998.	9887.	9463.

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	2970.7	37676.	5811.6
Stddev	1.6	59.	30.1
%RSD	.05239	.15738	.51744

#1	2971.7	37637.	5814.6
#2	2968.9	37744.	5840.0
#3	2971.6	37647.	5780.1

Sample Name: 460-111686-D-8-A@20 Acquired: 4/13/2016 21:23:01 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10310.	24.47	-8349	25.51	.4213	329.6
Stddev	349.	2.03	.3315	.39	.1040	12.5
%RSD	3.390	8.310	39.70	1.528	24.69	3.786
#1	9923.	22.24	-1.209	25.13	.3165	315.5
#2	10400.	26.23	-.7188	25.50	.5245	333.9
#3	10600.	24.93	-.5771	25.90	.4230	339.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.220	1.960	34.26	10.58	53810.	2141.
Stddev	.013	.115	.97	.58	998.	123.
%RSD	1.082	5.865	2.824	5.486	1.854	5.722
#1	-1.218	1.879	33.94	10.09	52780.	2006.
#2	-1.234	1.910	33.50	10.43	53880.	2173.
#3	-1.208	2.092	35.35	11.22	54770.	2245.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1159.	39.02	19.70	262.4	21.24	.6961
Stddev	26.	.94	3.97	4.5	.93	.3477
%RSD	2.213	2.419	20.17	1.723	4.399	49.94
#1	1131.	38.01	17.09	258.0	20.41	.6809
#2	1163.	39.16	24.27	262.2	21.06	1.051
#3	1182.	39.88	17.73	267.0	22.25	.3563

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111686-D-8-A@20 Acquired: 4/13/2016 21:23:01 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.903	-.6220	70.35	24.37	3.821	-.0289
Stddev	1.398	2.207	1.75	.68	.744	.0922
%RSD	73.44	354.9	2.487	2.795	19.47	318.9
#1	1.957	1.921	68.56	23.90	3.317	-.0108
#2	3.274	-2.043	70.44	24.07	3.470	-.1288
#3	.4796	-1.744	72.05	25.15	4.675	.0528

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.156	11.53	157.3	243.0
Stddev	.716	.33	3.2	11.2
%RSD	22.68	2.863	2.011	4.592
#1	3.660	11.21	154.0	230.8
#2	2.337	11.51	157.8	245.5
#3	3.472	11.87	160.2	252.7

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	3216.5	39803.	5959.8
Stddev	9.9	125.	29.5
%RSD	.30801	.31441	.49453
#1	3215.9	39659.	5972.8
#2	3226.8	39875.	5926.1
#3	3207.0	39876.	5980.5

Sample Name: 460-111686-D-9-A@20 Acquired: 4/13/2016 21:27:14 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10720.	17.54	-.9044	16.48	.7140	205.7
Stddev	64.	1.87	.2290	.11	.0723	6.4
%RSD	.5989	10.66	25.32	.6650	10.13	3.102
#1	10660.	19.45	-.9112	16.53	.6389	199.7
#2	10710.	17.45	-.6720	16.35	.7200	212.4
#3	10790.	15.71	-1.130	16.55	.7831	205.0

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	-1.299	3.076	38.83	6.228	62530.	4152.
Stddev	.028	.204	.82	.040	509.	6.
%RSD	2.115	6.631	2.110	.6433	.8134	.1488
#1	-1.331	2.903	37.94	6.189	62020.	4152.
#2	-1.287	3.023	38.98	6.225	62530.	4146.
#3	-1.280	3.301	39.56	6.269	63030.	4158.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1416.	36.61	25.52	305.3	16.10	-.2494
Stddev	13.	.46	8.35	2.7	2.56	.3549
%RSD	.8854	1.267	32.72	.8898	15.87	142.3
#1	1405.	36.14	28.01	303.1	16.46	-.6569
#2	1414.	36.60	32.35	304.4	13.38	-.0083
#3	1430.	37.07	16.21	308.3	18.45	-.0829

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-111686-D-9-A@20 Acquired: 4/13/2016 21:27:14 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.524	-4.727	71.20	29.32	15.36	-.2740
Stddev	3.522	.9966	.45	.17	.33	.3480
%RSD	53.98	210.8	.6344	.5636	2.149	127.0
#1	6.302	.0088	70.88	29.21	15.08	.0898
#2	3.119	-1.619	71.01	29.24	15.27	-.3080
#3	10.15	.1916	71.72	29.51	15.72	-.6038

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 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	6.663	126.8	252.4
Stddev	.391	.100	1.4	6.4
%RSD	16.78	1.503	1.097	2.542
#1	2.144	6.697	125.6	246.2
#2	2.783	6.550	126.5	251.9
#3	2.072	6.741	128.3	259.0

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	3194.3	39748.	5909.9
Stddev	10.5	247.	30.8
%RSD	.33027	.62018	.52060
#1	3204.7	39971.	5938.4
#2	3194.5	39790.	5913.9
#3	3183.6	39484.	5877.3

Sample Name: 460-110252-G-3-A Acquired: 4/13/2016 22:25:49 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	108.5	-2.041	.4883	6.437	.0029	14590.
Stddev	7.1	2.474	.4235	.128	.0142	107.
%RSD	6.549	121.2	86.73	1.984	495.9	.7361
#1	111.6	.7532	.9733	6.563	-.0035	14610.
#2	113.6	-2.921	.3003	6.442	.0191	14680.
#3	100.4	-3.955	.1913	6.307	-.0070	14470.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1285	2.098	16.63	4.302	239.9	1095.
Stddev	.0685	.280	.28	.062	4.2	42.
%RSD	53.34	13.34	1.691	1.434	1.747	3.804
#1	-.0949	1.930	16.64	4.269	240.1	1109.
#2	-.2074	2.421	16.34	4.265	243.9	1128.
#3	-.0833	1.944	16.90	4.374	235.6	1048.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6064.	53.85	16210.	137.7	-4.540	-.6494
Stddev	17.	.25	71.	.4	1.312	.3868
%RSD	.2853	.4717	.4359	.2935	28.91	59.56
#1	6053.	53.67	16140.	137.4	-5.048	-.8291
#2	6084.	54.14	16230.	138.2	-5.522	-.2054
#3	6055.	53.74	16270.	137.5	-3.049	-.9136

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110252-G-3-A Acquired: 4/13/2016 22:25:49 Type: Unk

Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.6332	-1.044	.6089	17.36	31.40	1.613
Stddev	.4674	1.283	.2128	.18	.45	.172
%RSD	73.81	122.9	34.94	1.023	1.445	10.66

#1	-1.013	-1.414	.8530	17.56	31.80	1.790
#2	-.1113	-2.101	.5106	17.26	31.50	1.446
#3	-.7753	.3838	.4631	17.25	30.91	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	.3370	101.7	3.767	8893.
Stddev	1.219	.7	.752	157.
%RSD	361.9	.7139	19.96	1.770

#1	-.7409	100.9	3.284	8817.
#2	1.661	101.7	4.633	8788.
#3	.0913	102.4	3.383	9074.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3156.4	38988.	5672.7
Stddev	24.5	474.	106.0
%RSD	.77526	1.2157	1.8692

#1	3128.4	38782.	5627.5
#2	3167.5	38651.	5596.8
#3	3173.3	39530.	5793.9

Sample Name: 460-110252-G-5-A Acquired: 4/13/2016 22:34:30 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	64.58	-8874	.5640	1.227	.0728	10100.
Stddev	5.51	1.585	.2518	.080	.0296	71.
%RSD	8.535	178.7	44.65	6.501	40.66	.7023
#1	70.55	-6610	.3635	1.176	.0957	10050.
#2	63.51	.5727	.4818	1.319	.0833	10070.
#3	59.69	-2.574	.8466	1.187	.0394	10180.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0661	.3449	14.40	3.537	159.8	3992.
Stddev	.0819	.1231	.43	.277	4.9	41.
%RSD	123.8	35.68	3.005	7.837	3.085	1.018
#1	.0215	.4301	13.90	3.531	155.1	3947.
#2	-.0792	.2038	14.68	3.817	165.0	4027.
#3	-.1407	.4009	14.63	3.263	159.4	4003.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	779.6	561.0	5616.	18.24	-1.887	1.256
Stddev	9.8	2.0	36.	.37	1.474	2.658
%RSD	1.258	.3623	.6352	2.017	78.09	211.6
#1	768.4	559.4	5575.	17.95	-.2300	1.120
#2	783.6	560.4	5637.	18.13	-2.381	3.980
#3	786.8	563.3	5637.	18.66	-3.051	-1.331

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110252-G-5-A Acquired: 4/13/2016 22:34:30 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.779	.9448	-.0720	11.21	16.01	2.657
Stddev	2.224	1.434	.1089	.23	.13	.073
%RSD	80.01	151.8	151.1	2.014	.8084	2.744
#1	-3.344	1.009	.0481	10.95	16.04	2.715
#2	-.3276	-.5201	-.1643	11.35	16.12	2.682
#3	-4.666	2.345	-.0999	11.33	15.87	2.575

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4031	57.01	1.238	1537.
Stddev	.2918	.58	.072	18.
%RSD	72.40	1.014	5.805	1.161
#1	-.2118	56.38	1.240	1542.
#2	-.7389	57.52	1.165	1552.
#3	-.2585	57.14	1.309	1517.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3142.2	38870.	5818.7
Stddev	11.3	259.	24.8
%RSD	.35934	.66711	.42646
#1	3132.6	38958.	5832.5
#2	3139.4	39074.	5833.5
#3	3154.6	38578.	5790.0

Sample Name: 460-110252-G-7-A Acquired: 4/13/2016 22:43:07 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	142.7	-1.895	.2890	62.18	-.0610	11870.
Stddev	6.6	1.292	.5388	.20	.0913	18.
%RSD	4.602	68.19	186.4	.3160	149.8	.1552
#1	147.8	-3.368	-.3072	62.36	-.0400	11870.
#2	145.1	-.9528	.7411	62.22	.0181	11840.
#3	135.3	-1.364	.4331	61.97	-.1609	11880.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1235	.0083	2.609	.8582	102.4	2741.
Stddev	.1114	.1427	.340	.1624	9.7	48.
%RSD	90.23	1718.	13.04	18.93	9.445	1.743
#1	-.2454	-.1501	2.988	1.043	100.5	2711.
#2	-.0980	.0479	2.330	.7383	112.9	2796.
#3	-.0270	.1271	2.509	.7932	93.86	2716.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4812.	797.2	38380.	.4701	-3.216	1.572
Stddev	5.	.8	307.	.1971	.469	1.423
%RSD	.0963	.1039	.8005	41.93	14.60	90.54
#1	4817.	797.4	38240.	.4654	-2.675	.5325
#2	4809.	796.3	38730.	.6696	-3.448	.9894
#3	4810.	798.0	38160.	.2755	-3.523	3.194

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110252-G-7-A Acquired: 4/13/2016 22:43:07 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.388	1.130	.3803	4.379	19.01	-.6300
Stddev	2.882	.941	.2816	.094	.23	.0988
%RSD	120.7	83.24	74.05	2.139	1.194	15.69
#1	-5.657	.3538	.6856	4.483	19.21	-.5827
#2	-.2125	.8603	.3241	4.303	19.07	-.5637
#3	-1.293	2.176	.1310	4.349	18.76	-.7436

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0348	95.01	4.548	6341.
Stddev	.9976	.97	.174	42.
%RSD	2863.	1.019	3.830	.6683
#1	.2466	94.69	4.354	6295.
#2	.7918	96.09	4.692	6378.
#3	-1.143	94.23	4.598	6350.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3113.5	38760.	5732.7
Stddev	15.6	86.	47.5
%RSD	.50104	.22255	.82854
#1	3131.5	38826.	5752.4
#2	3104.6	38663.	5678.6
#3	3104.4	38791.	5767.2

Sample Name: 460-111686-A-10-A@20 Acquired: 4/13/2016 21:31:28 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4788.	3.542	-.1456	12.76	.2128	69.91
Stddev	166.	1.975	.3786	.54	.0356	2.67
%RSD	3.475	55.77	260.0	4.265	16.72	3.813
#1	4615.	1.875	-.0161	12.17	.2086	68.45
#2	4802.	5.724	.1512	12.88	.1795	72.99
#3	4947.	3.027	-.5719	13.24	.2503	68.30

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5115	4.734	12.61	1.786	12450.	1195.
Stddev	.0294	.263	.58	.281	424.	41.
%RSD	5.750	5.548	4.576	15.71	3.402	3.459
#1	-.5356	4.743	11.94	1.895	12020.	1199.
#2	-.5203	4.467	12.91	1.467	12480.	1152.
#3	-.4787	4.992	12.97	1.995	12860.	1234.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	654.0	18.82	5.962	1100.	6.484	.5639
Stddev	22.1	.61	8.883	35.	1.748	1.131
%RSD	3.385	3.233	149.0	3.144	26.95	200.6
#1	635.2	18.21	-.2753	1064.	7.953	.4488
#2	648.4	18.81	2.028	1104.	6.947	-.5056
#3	678.4	19.43	16.13	1133.	4.551	1.749

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111686-A-10-A@20 Acquired: 4/13/2016 21:31:28 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.258	-.5890	18.24	13.24	6.896	-.3268
Stddev	1.109	.2738	.33	.31	.254	.2225
%RSD	49.09	46.48	1.815	2.368	3.681	68.07
#1	-2.265	-.8908	18.02	12.94	7.146	-.4936
#2	-1.146	-.3566	18.07	13.21	6.638	-.0742
#3	-3.363	-.5196	18.62	13.57	6.902	-.4125

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.168	1.972	69.35	206.3
Stddev	.275	.092	2.12	15.8
%RSD	12.70	4.673	3.055	7.648
#1	2.305	1.890	67.21	193.7
#2	2.348	1.954	69.39	201.2
#3	1.851	2.071	71.45	224.0

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	3197.6	39703.	5925.2
Stddev	5.8	170.	28.9
%RSD	.18263	.42927	.48850
#1	3197.8	39899.	5949.2
#2	3191.6	39586.	5893.1
#3	3203.3	39625.	5933.3

Sample Name: CCV Acquired: 4/13/2016 22:47:23 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124600.	2499.	1284.	10330.	998.7	129400.
Stddev	568.	7.	1.	5.	3.7	189.
%RSD	.4558	.2897	.1109	.0489	.3696	.1459

#1	124300.	2493.	1283.	10330.	999.1	129200.
#2	125300.	2496.	1285.	10330.	1002.	129600.
#3	124300.	2507.	1285.	10320.	994.8	129300.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1264.	2556.	5147.	12830.	101700.	50560.
Stddev	2.	2.	7.	17.	239.	152.
%RSD	.1739	.0712	.1406	.1309	.2350	.3005

#1	1263.	2555.	5141.	12830.	101800.	50430.
#2	1263.	2555.	5155.	12820.	101900.	50730.
#3	1267.	2558.	5145.	12850.	101400.	50520.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	128200.	5221.	125600.	2559.	7631.	995.8
Stddev	205.	7.	561.	3.	8.	4.3
%RSD	.1599	.1400	.4468	.1194	.1007	.4277

#1	128100.	5219.	125200.	2559.	7624.	991.0
#2	128400.	5229.	126300.	2556.	7630.	999.0
#3	128100.	5214.	125300.	2562.	7639.	997.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/13/2016 22:47:23 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2470.	2600.	2569.	2534.	1010.	2552.
Stddev	16.	12.	6.	4.	3.	3.
%RSD	.6327	.4802	.2422	.1637	.3106	.1271

#1	2453.	2586.	2565.	2534.	1007.	2548.
#2	2474.	2609.	2576.	2530.	1013.	2554.
#3	2483.	2605.	2566.	2539.	1011.	2554.

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	1020.	5120.	10250.	9767.
Stddev	3.	10.	44.	43.
%RSD	.2719	.1918	.4246	.4359

#1	1017.	5117.	10290.	9731.
#2	1021.	5131.	10210.	9756.
#3	1022.	5113.	10240.	9814.

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	2952.6	37036.	5630.7
Stddev	7.2	83.	29.9
%RSD	.24374	.22411	.53022

#1	2944.3	36997.	5605.7
#2	2955.9	36979.	5622.6
#3	2957.5	37131.	5663.8

Sample Name: LCS 460-361880/2-A Acquired: 4/13/2016 21:40:02 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1809.	1851.	46.19	1959.	46.86	19290.
Stddev	13.	1.	.61	4.	.12	20.
%RSD	.7145	.0414	1.320	.1805	.2663	.1048
#1	1811.	1851.	45.51	1962.	46.84	19310.
#2	1796.	1850.	46.67	1959.	46.75	19290.
#3	1821.	1851.	46.41	1955.	47.00	19270.

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	48.87	488.1	205.3	232.1	954.6	16940.
Stddev	.12	1.2	.9	.4	1.6	9.
%RSD	.2534	.2486	.4294	.1902	.1685	.0541
#1	48.74	488.5	205.8	232.3	954.0	16950.
#2	48.87	489.1	205.8	232.4	953.5	16930.
#3	48.99	486.7	204.3	231.6	956.5	16940.

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	17900.	497.8	17500.	508.3	482.6	446.6
Stddev	45.	1.1	86.	.9	1.4	1.8
%RSD	.2542	.2180	.4920	.1744	.2963	.4073
#1	17870.	498.7	17520.	509.3	480.9	444.9
#2	17950.	498.3	17400.	508.0	483.1	448.5
#3	17870.	496.6	17570.	507.6	483.7	446.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: LCS 460-361880/2-A Acquired: 4/13/2016 21:40:02 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1780.	2034.	487.4	494.1	478.7	482.5
Stddev	8.	8.	1.5	1.7	2.7	3.0
%RSD	.4578	.3860	.3058	.3370	.5610	.6214
#1	1771.	2041.	489.1	492.7	479.5	483.5
#2	1787.	2036.	487.0	495.9	480.9	485.0
#3	1780.	2026.	486.2	493.8	475.7	479.2

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	495.1	470.8	474.7	51.17
Stddev	2.8	1.5	.3	13.33
%RSD	.5588	.3229	.0649	26.05
#1	494.6	470.8	474.5	41.04
#2	498.0	469.2	474.6	66.27
#3	492.6	472.3	475.1	46.19

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	3172.1	39532.	5940.4
Stddev	3.8	166.	34.2
%RSD	.12017	.41958	.57562
#1	3168.8	39405.	5902.4
#2	3171.3	39472.	5968.6
#3	3176.3	39720.	5950.2

Sample Name: LCS 460-362290/2-A@2 Acquired: 4/13/2016 23:04:20 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2418.	2345.	247.3	5077.	492.1	9962.
Stddev	9.	7.	.4	8.	1.1	24.
%RSD	.3587	.3017	.1533	.1512	.2173	.2407

#1	2420.	2353.	247.7	5085.	493.1	9980.
#2	2426.	2341.	247.3	5076.	492.1	9972.
#3	2409.	2341.	246.9	5069.	491.0	9935.

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	520.4	534.5	2508.	500.1	487.8	9500.
Stddev	1.4	.8	3.	.3	10.7	31.
%RSD	.2638	.1420	.1109	.0659	2.199	.3256

#1	521.8	535.3	2510.	499.8	496.8	9470.
#2	519.1	534.3	2510.	500.4	490.6	9532.
#3	520.4	533.8	2505.	500.1	475.9	9499.

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	9647.	537.9	9516.	538.8	2557.	486.2
Stddev	29.	1.5	31.	1.0	2.	2.7
%RSD	.3053	.2875	.3208	.1843	.0840	.5622

#1	9642.	537.5	9501.	539.1	2558.	489.2
#2	9678.	539.6	9551.	539.7	2555.	483.8
#3	9620.	536.7	9495.	537.7	2559.	485.5

Check ?	None	None	None	Chk Pass	Chk Pass	None
Value						
Range						

Sample Name: LCS 460-362290/2-A@2 Acquired: 4/13/2016 23:04:20 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	492.7	539.5	258.7	534.2	503.8	513.5
Stddev	2.1	1.4	1.1	1.4	2.3	1.5
%RSD	.4174	.2668	.4415	.2657	.4495	.2884

#1	494.7	541.2	258.9	534.0	503.9	513.3
#2	490.6	538.5	259.7	532.9	501.5	512.1
#3	492.8	538.9	257.4	535.7	506.0	515.0

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	498.5	501.7	513.3	46.32
Stddev	2.3	.4	1.3	2.95
%RSD	.4654	.0729	.2520	6.361

#1	498.7	502.0	514.1	45.99
#2	496.1	501.6	514.0	43.54
#3	500.7	501.3	511.8	49.41

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	3136.7	39151.	5760.6
Stddev	8.0	200.	11.5
%RSD	.25360	.51128	.19936

#1	3132.2	38972.	5773.5
#2	3132.0	39115.	5757.0
#3	3145.9	39367.	5751.4

Sample Name: sd 460-111956-A-1-B Acquired: 4/13/2016 23:17:11 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.612	216.4	-.3418	11.01	-.0509	331.7
Stddev	2.776	1.2	.1670	.07	.0312	2.2
%RSD	36.47	.5473	48.85	.6199	61.23	.6763
#1	-5.568	217.0	-.2036	10.95	-.0704	330.5
#2	-6.494	217.2	-.5273	11.00	-.0674	334.3
#3	-10.77	215.1	-.2944	11.09	-.0150	330.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0430	5.568	-.4610	1.447	12.25	81.69
Stddev	.0692	.131	.3547	.324	11.63	25.11
%RSD	160.9	2.345	76.95	22.36	94.98	30.74
#1	-.0157	5.678	-.1348	1.526	17.65	100.0
#2	.1192	5.423	-.4095	1.724	20.20	91.99
#3	.0254	5.602	-.8386	1.092	-1.104	53.07

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	100.7	1.032	58350.	56.84	4.307	82.98
Stddev	3.9	.057	179.	.14	.862	1.17
%RSD	3.870	5.546	.3068	.2492	20.01	1.408
#1	98.07	1.023	58150.	56.98	4.971	81.95
#2	98.94	1.093	58460.	56.69	4.618	82.73
#3	105.2	.9796	58450.	56.84	3.333	84.25

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: sd 460-111956-A-1-B Acquired: 4/13/2016 23:17:11 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.0300	-1.283	24.14	3.726	2.461	1.061
Stddev	2.425	1.864	.49	.170	.380	.191
%RSD	8088.	145.3	2.010	4.568	15.45	17.96
#1	-0.8395	-0.0030	23.70	3.919	2.556	1.222
#2	2.696	-0.4239	24.66	3.599	2.042	.8504
#3	-1.946	-3.421	24.06	3.659	2.785	1.110

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2323	-34.83	.1013	543.9
Stddev	.5454	.49	.1445	19.3
%RSD	234.7	1.396	142.6	3.549
#1	-0.2023	-34.28	-.0332	551.6
#2	.8443	-34.99	.0832	522.0
#3	.0550	-35.21	.2540	558.2

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	3114.6	38470.	5620.4
Stddev	8.1	84.	18.3
%RSD	.25900	.21823	.32593
#1	3115.7	38374.	5639.0
#2	3122.0	38532.	5602.4
#3	3106.0	38504.	5620.0

Sample Name: CCV Acquired: 4/13/2016 23:43:08 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125400.	2463.	1254.	10130.	1010.	125700.
Stddev	653.	2.	4.	33.	5.	63.
%RSD	.5204	.0945	.3038	.3240	.4602	.0499

#1	124800.	2463.	1258.	10100.	1005.	125700.
#2	125400.	2465.	1252.	10120.	1009.	125800.
#3	126100.	2460.	1252.	10170.	1015.	125700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1254.	2523.	5020.	12570.	101700.	49980.
Stddev	4.	4.	18.	26.	343.	129.
%RSD	.3041	.1718	.3575	.2029	.3377	.2589

#1	1252.	2519.	5002.	12600.	101300.	49960.
#2	1252.	2522.	5038.	12570.	101900.	49860.
#3	1259.	2528.	5020.	12550.	101900.	50110.

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	126600.	5108.	125600.	2517.	7599.	990.3
Stddev	255.	3.	406.	6.	15.	3.0
%RSD	.2010	.0589	.3230	.2443	.2022	.3073

#1	126900.	5105.	125100.	2513.	7584.	986.9
#2	126400.	5111.	125700.	2514.	7599.	991.4
#3	126500.	5108.	125900.	2524.	7615.	992.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/13/2016 23:43:08 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2495.	2561.	2526.	2531.	987.7	2518.
Stddev	8.	13.	2.	10.	2.5	11.
%RSD	.3224	.4982	.0817	.4023	.2532	.4420

#1	2486.	2547.	2524.	2524.	985.6	2506.
#2	2496.	2565.	2528.	2527.	987.0	2518.
#3	2502.	2572.	2525.	2543.	990.4	2529.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1006.	5106.	10220.	9669.
Stddev	5.	7.	17.	38.
%RSD	.4904	.1445	.1627	.3926

#1	1001.	5098.	10210.	9671.
#2	1005.	5106.	10240.	9705.
#3	1011.	5113.	10220.	9629.

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	3009.9	37935.	5722.5
Stddev	14.0	65.	43.8
%RSD	.46634	.17233	.76504

#1	3019.8	38011.	5765.8
#2	3016.0	37903.	5723.4
#3	2993.8	37893.	5678.2

Sample Name: pds 460-111956-A-1-B Acquired: 4/13/2016 23:25:44 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1855.	2930.	45.67	1998.	49.83	21170.
Stddev	15.	14.	.61	8.	.36	44.
%RSD	.8071	.4656	1.327	.4026	.7190	.2098

#1	1843.	2931.	46.11	1993.	49.42	21120.
#2	1851.	2916.	45.93	1995.	49.99	21210.
#3	1872.	2943.	44.98	2007.	50.09	21180.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.63	517.6	205.3	251.5	1129.	18530.
Stddev	.09	1.8	1.5	2.1	18.	59.
%RSD	.1919	.3417	.7192	.8543	1.557	.3163

#1	48.53	516.3	203.6	249.0	1115.	18480.
#2	48.71	516.8	206.1	252.2	1122.	18500.
#3	48.65	519.6	206.2	253.1	1149.	18590.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19480.	512.0	F 306600.	766.6	507.4	857.9
Stddev	20.	.9	6128.	3.9	1.8	4.3
%RSD	.1030	.1738	1.999	.5136	.3587	.5067

#1	19460.	511.0	301000.	762.9	505.6	852.9
#2	19490.	512.4	305500.	766.2	507.3	859.9
#3	19500.	512.6	313100.	770.7	509.2	860.9

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: pds 460-111956-A-1-B Acquired: 4/13/2016 23:25:44 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1967.	2003.	637.9	521.5	502.8	490.9
Stddev	8.	12.	5.2	2.6	1.6	2.1
%RSD	.3977	.5980	.8121	.4921	.3246	.4259
#1	1961.	2007.	632.4	519.0	501.0	489.3
#2	1965.	1990.	638.7	521.4	503.9	490.1
#3	1976.	2014.	642.6	524.1	503.7	493.3

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	492.1	318.9	508.1	2849.
Stddev	2.1	1.3	2.1	21.
%RSD	.4182	.4193	.4050	.7202
#1	490.6	318.5	506.3	2831.
#2	491.3	317.8	507.6	2845.
#3	494.5	320.4	510.3	2871.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3077.0	37581.	5698.4
Stddev	14.6	63.	48.6
%RSD	.47550	.16877	.85214
#1	3087.3	37643.	5750.7
#2	3083.3	37583.	5689.9
#3	3060.2	37516.	5654.7

Sample Name: 460-111958-B-1-C@5 Acquired: 4/13/2016 23:34:16 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	309.4	226.9	-.0634	25.85	.0479	1085.
Stddev	6.2	.9	.4693	.18	.1150	6.
%RSD	2.014	.4142	740.3	.7081	239.9	.5238

#1	315.2	227.5	.1103	25.65	-.0482	1084.
#2	302.8	225.8	.2943	25.90	.0167	1080.
#3	310.1	227.5	-.5948	26.01	.1754	1091.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0999	15.90	-.1339	11.37	277.4	799.8
Stddev	.0539	.04	.3710	.64	9.7	57.7
%RSD	53.99	.2339	277.1	5.619	3.508	7.210

#1	-.0630	15.93	.0199	10.74	278.0	733.3
#2	-.1618	15.86	-.5570	12.01	286.8	829.6
#3	-.0749	15.90	.1355	11.37	267.3	836.5

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	2498.	6.140	F 292200.	132.8	4.132	370.2
Stddev	16.	.078	4895.	.5	1.350	2.9
%RSD	.6222	1.275	1.675	.3906	32.67	.7842

#1	2481.	6.154	289000.	132.2	5.285	366.8
#2	2509.	6.210	297800.	133.0	2.647	372.2
#3	2506.	6.055	289700.	133.2	4.463	371.5

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111958-B-1-C@5 Acquired: 4/13/2016 23:34:16 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.6629	-1.113	592.6	9.302	20.70	131.2
Stddev	3.312	.911	2.5	.338	.40	.8
%RSD	499.7	81.83	.4236	3.634	1.947	.6473
#1	-1.301	-1.655	589.7	9.237	20.53	130.2
#2	-3.610	-1.624	594.4	9.001	20.40	131.5
#3	2.922	-.0615	593.6	9.667	21.16	131.8

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1165	-29.71	12.52	4415.
Stddev	.9076	.54	.26	45.
%RSD	779.2	1.819	2.043	1.029
#1	-.5446	-29.10	12.24	4363.
#2	1.151	-30.10	12.72	4438.
#3	-.2572	-29.95	12.62	4445.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3017.4	37131.	5508.5
Stddev	7.6	103.	29.2
%RSD	.25022	.27817	.53086
#1	3014.0	37012.	5536.8
#2	3012.1	37192.	5478.4
#3	3026.0	37189.	5510.2

Sample Name: 460-110252-G-2-A Acquired: 4/13/2016 21:48:14 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	479.5	-2.968	.4095	106.6	.7509	16540.
Stddev	11.6	.644	.2567	.5	.0434	80.
%RSD	2.411	21.70	62.69	.4412	5.781	.4857
#1	478.9	-3.568	.1202	106.2	.7742	16470.
#2	491.3	-3.049	.6103	106.5	.7776	16540.
#3	468.2	-2.287	.4981	107.1	.7008	16630.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0108	.3295	7.518	19.74	97.23	4671.
Stddev	.1087	.0813	.369	.22	10.09	10.
%RSD	1007.	24.67	4.914	1.113	10.38	.2126
#1	-.0870	.2678	7.839	19.83	108.7	4668.
#2	.1278	.2990	7.602	19.90	93.02	4682.
#3	-.0085	.4216	7.114	19.49	89.93	4664.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2543.	282.0	21350.	7.710	-3.363	1.326
Stddev	4.	1.2	135.	.504	1.553	.736
%RSD	.1700	.4224	.6310	6.543	46.18	55.52
#1	2541.	280.8	21500.	8.036	-2.324	1.749
#2	2548.	282.0	21320.	7.965	-2.617	1.752
#3	2540.	283.2	21230.	7.129	-5.148	.4758

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110252-G-2-A Acquired: 4/13/2016 21:48:14 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9775	-.1788	.0560	24.65	24.97	-.4414
Stddev	1.206	.4011	.2893	.17	.44	.0679
%RSD	123.4	224.3	516.7	.6849	1.757	15.39
#1	-.7636	-.0426	.0775	24.64	25.47	-.3718
#2	.1075	.1364	.3339	24.82	24.83	-.5076
#3	-2.276	-.6303	-.2435	24.49	24.63	-.4446

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6766	48.28	1.933	5717.
Stddev	.8175	.17	.041	47.
%RSD	120.8	.3418	2.135	.8183
#1	.6966	48.46	1.898	5765.
#2	1.484	48.25	1.924	5714.
#3	-.1507	48.14	1.979	5672.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3242.0	40452.	6045.0
Stddev	14.3	54.	29.7
%RSD	.44252	.13230	.49132
#1	3228.1	40512.	6012.2
#2	3241.1	40436.	6052.7
#3	3256.7	40408.	6070.1

Sample Name: CCB Acquired: 4/13/2016 21:56:30 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-8.432	-2.082	-.1302	.1791	.0211	-32.34
Stddev	6.138	1.552	.1563	.1717	.0944	3.16
%RSD	72.79	74.54	120.0	95.90	447.0	9.772

#1	-6.339	-3.140	-.0039	.3711	.0831	-31.30
#2	-15.34	-2.805	-.0818	.0403	-.0875	-35.89
#3	-3.615	-.3004	-.3050	.1257	.0677	-29.83

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1325	-.0014	-.1328	-.5164	-6.412	-2.221
Stddev	.0348	.3334	.3639	.1499	6.652	10.14
%RSD	26.26	24070.	274.0	29.04	103.7	456.6

#1	-.1548	-.3574	.2871	-.3711	1.099	-13.87
#2	-.1503	.0497	-.3563	-.5074	-11.56	4.647
#3	-.0924	.3035	-.3292	-.6706	-8.779	2.558

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.903	.0840	3.850	-.4099	-1.521	1.290
Stddev	3.505	.0800	4.463	.1529	.660	2.326
%RSD	59.38	95.25	115.9	37.29	43.41	180.3

#1	2.540	.0305	8.770	-.5536	-2.282	2.279
#2	9.535	.1760	2.715	-.4268	-1.096	2.956
#3	5.634	.0455	.0638	-.2493	-1.186	-1.367

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/13/2016 21:56:30 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.881	-1.199	.0321	-.0641	.1577	.6173
Stddev	.890	1.002	.1312	.2167	.5374	.4730
%RSD	47.33	83.64	408.6	338.1	340.8	76.62
#1	-2.665	-.5038	.1800	-.2921	.2829	1.099
#2	-2.065	-2.348	-.0137	.1392	.6214	.5986
#3	-.9130	-.7440	-.0700	-.0393	-.4313	.1540

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1090	.1011	.3595	11.17
Stddev	.3876	.0125	.0536	16.86
%RSD	355.6	12.38	14.91	150.9
#1	.3021	.1004	.4212	29.62
#2	-.3372	.1139	.3320	-3.453
#3	.3622	.0889	.3252	7.359

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	3172.8	39539.	5907.0
Stddev	9.0	100.	55.1
%RSD	.28334	.25168	.93237
#1	3163.3	39476.	5954.8
#2	3181.2	39488.	5919.3
#3	3174.0	39654.	5846.8

Sample Name: CCVL Acquired: 4/13/2016 22:00:50 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	202.5	12.50	9.600	216.4	2.027	5332.
Stddev	7.6	.32	.674	.4	.149	21.
%RSD	3.741	2.572	7.019	.1875	7.375	.3867

#1	205.1	12.82	8.823	216.2	2.199	5315.
#2	208.5	12.52	9.957	216.9	1.928	5327.
#3	194.0	12.18	10.02	216.3	1.954	5355.

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	4.015	53.87	11.20	24.76	152.2	4818.
Stddev	.110	.21	.29	.17	4.3	48.
%RSD	2.738	.3873	2.633	.6858	2.818	.9981

#1	3.957	53.70	11.42	24.77	155.5	4816.
#2	4.142	54.10	11.32	24.58	153.7	4771.
#3	3.946	53.81	10.87	24.92	147.3	4867.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4878.	16.63	4669.	44.34	11.53	19.39
Stddev	23.	.09	56.	.37	1.41	1.54
%RSD	.4643	.5699	1.207	.8450	12.25	7.963

#1	4860.	16.54	4653.	43.91	11.18	17.72
#2	4869.	16.63	4622.	44.60	10.32	20.77
#3	4903.	16.73	4731.	44.50	13.08	19.67

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/13/2016 22:00:50 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.70	20.90	52.60	32.16	51.05	20.39
Stddev	2.08	.44	.57	.40	.75	.20
%RSD	11.76	2.118	1.090	1.244	1.471	.9887

#1	19.74	21.35	52.61	32.27	50.22	20.62
#2	15.57	20.46	53.17	31.71	51.68	20.22
#3	17.80	20.89	52.02	32.49	51.25	20.33

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	51.62	20.61	20.57	F 10.80
Stddev	.67	.11	.09	4.60
%RSD	1.304	.5158	.4489	42.57

#1	50.96	20.70	20.51	12.32
#2	52.31	20.65	20.68	14.44
#3	51.59	20.49	20.53	5.632

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	3121.1	38713.	5703.8
Stddev	1.7	104.	62.8
%RSD	.05363	.26826	1.1010

#1	3122.9	38769.	5698.0
#2	3119.7	38778.	5769.3
#3	3120.5	38594.	5644.1

Sample Name: MB 460-362058/1-A Acquired: 4/14/2016 0:16:59 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-20.62	-2.089	.2436	.0234	-.0438	6.868
Stddev	6.42	2.640	.1756	.0662	.1076	3.756
%RSD	31.14	126.4	72.08	282.9	245.4	54.69
#1	-22.11	-.5470	.4437	-.0465	.0110	3.273
#2	-26.16	-5.137	.1158	.0315	.0253	10.77
#3	-13.58	-.5820	.1712	.0851	-.1678	6.565

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0604	-.1016	-.3642	.4548	3.444	-32.04
Stddev	.0715	.2623	.1811	.2463	3.540	18.68
%RSD	118.4	258.2	49.72	54.15	102.8	58.30
#1	-.1421	.0626	-.5717	.5147	.5070	-13.93
#2	-.0095	-.4041	-.2822	.1842	2.450	-51.24
#3	-.0295	.0367	-.2386	.6657	7.375	-30.95

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.713	-.0764	85.08	.1331	.7498	.0952
Stddev	2.464	.0379	20.03	.2463	.3783	1.057
%RSD	143.8	49.52	23.55	185.1	50.45	1110.
#1	1.055	-.1074	107.0	.3325	.7457	1.123
#2	-3.665	-.0342	80.41	-.1423	1.130	-.9887
#3	-2.530	-.0877	67.79	.2090	.3736	.1516

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-362058/1-A Acquired: 4/14/2016 0:16:59 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {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	1.848	-.2222	.4039	-.9555	-.6633
Stddev	1.565	1.409	.6048	.1980	.5087	.1479
%RSD	70.54	76.21	272.2	49.04	53.24	22.30
#1	-3.266	3.471	.4715	.3544	-.9438	-.5219
#2	-.4195	1.133	-.4987	.2353	-1.470	-.8170
#3	-2.968	.9415	-.6393	.6220	-.4527	-.6510

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2996	-.0001	-.1018	10.56
Stddev	.4610	.0557	.0472	3.29
%RSD	153.9	38710.	46.33	31.15
#1	.1700	.0069	-.0903	13.07
#2	-.3172	-.0591	-.0614	11.76
#3	-.7515	.0517	-.1536	6.835

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	3181.5	39506.	5727.0
Stddev	19.2	124.	19.0
%RSD	.60323	.31329	.33100
#1	3159.4	39408.	5721.0
#2	3193.5	39645.	5748.2
#3	3191.7	39465.	5711.7

Sample Name: sd 460-110252-G-2-A Acquired: 4/13/2016 22:05:06 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	95.46	-.6341	-.1389	21.04	.1155	3254.
Stddev	5.99	2.023	.3512	.21	.0693	3.
%RSD	6.277	319.1	253.0	.9755	59.94	.0915

#1	88.79	-2.759	.2661	21.19	.0740	3251.
#2	100.4	-.4131	-.3615	21.13	.1955	3253.
#3	97.17	1.270	-.3211	20.81	.0771	3257.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1481	.2035	1.373	3.464	14.90	883.5
Stddev	.1138	.0804	.525	.164	10.64	25.0
%RSD	76.85	39.53	38.25	4.734	71.40	2.825

#1	-.0365	.2327	1.646	3.637	2.633	856.0
#2	-.1438	.2652	.7678	3.310	20.48	889.8
#3	-.2641	.1125	1.706	3.445	21.59	904.7

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	497.1	56.50	4186.	1.351	-.4695	-.0195
Stddev	6.9	.44	46.	.333	.8109	1.379
%RSD	1.395	.7708	1.107	24.66	172.7	7067.

#1	495.7	56.29	4134.	1.572	-.1468	1.488
#2	491.0	56.22	4201.	1.515	.1304	-.3296
#3	504.7	57.00	4222.	.9680	-1.392	-1.217

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-110252-G-2-A Acquired: 4/13/2016 22:05:06 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.871	-.1440	.1496	5.093	4.174	-.3171
Stddev	1.206	.6057	.1291	.185	.513	.1492
%RSD	42.00	420.7	86.27	3.637	12.30	47.04
#1	-2.120	-.3600	.1838	5.239	4.716	-.2439
#2	-2.232	.5401	.2582	5.154	4.109	-.4887
#3	-4.262	-.6121	.0069	4.884	3.695	-.2187

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6492	9.487	.4600	1118.
Stddev	.9629	.176	.0430	23.
%RSD	148.3	1.857	9.346	2.058
#1	-.0085	9.322	.5034	1111.
#2	-.1826	9.467	.4174	1144.
#3	-1.757	9.673	.4592	1099.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3206.1	39844.	5936.9
Stddev	.8	116.	64.8
%RSD	.02378	.29153	1.0907
#1	3205.4	39954.	5989.1
#2	3206.9	39723.	5957.1
#3	3206.2	39856.	5864.4

Sample Name: 460-110252-G-2-C MS Acquired: 4/13/2016 22:09:22 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2220.	1815.	44.87	2011.	46.22	35090.
Stddev	9.	7.	.53	4.	.39	41.
%RSD	.4017	.4071	1.185	.1946	.8543	.1183
#1	2209.	1818.	44.45	2013.	46.19	35130.
#2	2225.	1821.	45.47	2013.	45.84	35050.
#3	2225.	1807.	44.69	2006.	46.63	35080.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.14	473.7	207.6	249.9	1011.	21110.
Stddev	.28	.4	1.9	1.9	14.	34.
%RSD	.5956	.0919	.9038	.7618	1.382	.1613
#1	47.15	473.7	205.4	247.9	994.8	21120.
#2	46.86	473.2	208.8	251.6	1019.	21080.
#3	47.42	474.1	208.6	250.3	1019.	21150.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19810.	756.6	38170.	498.5	460.2	438.2
Stddev	39.	.3	160.	.6	.1	4.0
%RSD	.1977	.0408	.4200	.1202	.0161	.9015
#1	19770.	756.2	38060.	499.2	460.2	441.8
#2	19830.	756.8	38100.	498.4	460.1	438.8
#3	19840.	756.8	38360.	498.0	460.2	434.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110252-G-2-C MS Acquired: 4/13/2016 22:09:22 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1727.	1966.	480.6	500.4	493.7	469.7
Stddev	12.	18.	2.0	1.0	3.7	2.9
%RSD	.6973	.9233	.4239	.1926	.7593	.6256
#1	1718.	1969.	478.3	499.3	495.8	469.2
#2	1741.	1982.	481.3	500.8	496.0	472.8
#3	1722.	1946.	482.1	501.2	489.4	467.0

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	481.7	503.2	463.5	5846.
Stddev	3.4	1.6	.6	33.
%RSD	.7084	.3269	.1381	.5717
#1	482.1	502.3	463.1	5810.
#2	485.0	502.2	463.1	5853.
#3	478.2	505.1	464.2	5876.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3217.7	40220.	6109.2
Stddev	6.8	110.	10.3
%RSD	.21177	.27233	.16897
#1	3209.9	40128.	6113.8
#2	3221.0	40342.	6116.5
#3	3222.3	40191.	6097.4

Sample Name: CCV Acquired: 4/14/2016 0:37:06 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	128100.	2528.	1285.	10420.	1031.	128900.
Stddev	724.	13.	10.	41.	5.	983.
%RSD	.5649	.5050	.7500	.3903	.5177	.7626

#1	127400.	2518.	1279.	10380.	1027.	128400.
#2	128100.	2542.	1280.	10460.	1029.	128300.
#3	128900.	2523.	1296.	10430.	1038.	130000.

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	1286.	2594.	5154.	12860.	104200.	51090.
Stddev	4.	10.	33.	64.	482.	351.
%RSD	.2818	.3999	.6374	.4958	.4622	.6862

#1	1283.	2583.	5137.	12820.	104300.	50730.
#2	1290.	2603.	5133.	12830.	103600.	51090.
#3	1286.	2596.	5192.	12940.	104600.	51440.

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	129400.	5236.	128200.	2585.	7800.	1017.
Stddev	832.	34.	503.	7.	16.	5.
%RSD	.6429	.6522	.3924	.2785	.2085	.4773

#1	129100.	5222.	127900.	2577.	7785.	1011.
#2	128700.	5211.	127900.	2591.	7799.	1020.
#3	130300.	5275.	128700.	2588.	7817.	1019.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/14/2016 0:37:06 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2542.	2633.	2588.	2599.	1016.	2586.
Stddev	4.	15.	13.	8.	3.	12.
%RSD	.1428	.5656	.4913	.2933	.2474	.4807
#1	2546.	2617.	2581.	2590.	1013.	2573.
#2	2539.	2646.	2581.	2603.	1018.	2597.
#3	2541.	2637.	2603.	2604.	1016.	2590.

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	1036.	5218.	10450.	9852.
Stddev	4.	29.	35.	146.
%RSD	.3605	.5555	.3396	1.479
#1	1032.	5190.	10460.	9716.
#2	1040.	5217.	10400.	9834.
#3	1035.	5247.	10470.	10010.

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	2940.6	37170.	5565.0
Stddev	7.6	270.	46.1
%RSD	.25794	.72752	.82783
#1	2949.2	37072.	5528.6
#2	2937.4	37475.	5616.8
#3	2935.0	36961.	5549.7

Sample Name: CCVL Acquired: 4/14/2016 0:44:56 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	224.6	14.35	10.46	214.1	2.142	5318.
Stddev	6.0	.75	.38	.8	.058	8.
%RSD	2.684	5.207	3.661	.3745	2.698	.1509

#1	225.9	13.80	10.45	214.4	2.076	5323.
#2	229.9	15.20	10.08	214.7	2.167	5308.
#3	218.1	14.05	10.84	213.2	2.183	5321.

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	4.242	54.39	10.42	25.98	174.9	5033.
Stddev	.106	.39	.09	.20	11.3	52.
%RSD	2.505	.7134	.8203	.7746	6.482	1.034

#1	4.343	54.83	10.46	26.08	185.7	4974.
#2	4.131	54.08	10.32	25.75	175.9	5060.
#3	4.252	54.27	10.48	26.12	163.1	5067.

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.	16.94	5097.	43.58	11.12	19.89
Stddev	13.	.07	28.	.23	2.34	.67
%RSD	.2555	.4078	.5446	.5170	21.06	3.353

#1	5158.	17.01	5067.	43.34	11.64	19.24
#2	5149.	16.93	5122.	43.62	13.16	19.84
#3	5175.	16.87	5103.	43.79	8.561	20.58

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/14/2016 0:44:56 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.05	22.48	53.03	33.02	49.38	20.30
Stddev	1.22	1.25	.28	.05	.65	.09
%RSD	7.170	5.582	.5330	.1504	1.316	.4345

#1	16.13	23.64	52.97	33.04	50.06	20.23
#2	18.44	21.15	52.79	32.96	49.29	20.40
#3	16.58	22.66	53.35	33.06	48.77	20.28

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	51.16	21.74	21.57	F 17.23
Stddev	.94	.20	.14	11.67
%RSD	1.829	.9125	.6373	67.73

#1	50.09	21.61	21.68	10.52
#2	51.58	21.97	21.62	30.71
#3	51.81	21.64	21.41	10.47

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	3146.9	38735.	5536.5
Stddev	10.4	147.	62.3
%RSD	.33172	.37936	1.1254

#1	3148.2	38810.	5604.9
#2	3135.8	38829.	5521.8
#3	3156.6	38566.	5482.9

Sample Name: pds 460-111840-J-16- Acquired: 4/14/2016 0:52:50 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2000.	1860.	48.47	1971.	50.02	35140.
Stddev	16.	5.	.77	1.	.36	270.
%RSD	.7922	.2820	1.578	.0661	.7291	.7685
#1	1983.	1860.	47.94	1972.	50.31	35180.
#2	2001.	1854.	48.13	1969.	49.61	34860.
#3	2015.	1864.	49.35	1971.	50.14	35390.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.44	491.5	200.2	245.3	1469.	28080.
Stddev	.23	.2	2.0	1.3	13.	85.
%RSD	.4740	.0407	1.014	.5354	.8547	.3043
#1	48.32	491.4	199.1	243.8	1465.	28000.
#2	48.29	491.7	198.9	246.4	1459.	28060.
#3	48.70	491.3	202.5	245.6	1483.	28170.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21310.	635.8	241600.	498.6	497.8	458.0
Stddev	135.	3.4	4373.	.6	2.7	1.8
%RSD	.6321	.5381	1.810	.1295	.5475	.3843
#1	21310.	636.0	236600.	498.4	499.4	459.4
#2	21180.	632.3	244100.	498.1	494.6	456.1
#3	21450.	639.1	244200.	499.3	499.3	458.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-111840-J-16- Acquired: 4/14/2016 0:52:50 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1938.	2028.	506.4	511.7	515.9	485.5
Stddev	15.	3.	2.9	3.2	5.1	3.6
%RSD	.7583	.1577	.5687	.6221	.9811	.7425
#1	1944.	2030.	503.1	511.3	518.0	484.1
#2	1921.	2024.	507.7	508.8	510.2	482.8
#3	1949.	2030.	508.4	515.1	519.7	489.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	489.5	637.3	499.4	1050.
Stddev	5.1	1.3	2.0	15.
%RSD	1.038	.2042	.3990	1.426
#1	488.6	637.4	498.4	1034.
#2	485.0	635.9	498.1	1052.
#3	495.0	638.5	501.6	1064.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	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	38063.	5656.1
Stddev	8.2	240.	27.7
%RSD	.26769	.63177	.48906
#1	3053.6	37911.	5635.9
#2	3058.2	38340.	5687.6
#3	3069.6	37937.	5644.7

Sample Name: LB 460-361895/1-B@5 Acquired: 4/14/2016 0:56:42 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.524	-1.610	.4564	.1447	-.0245	7.201
Stddev	8.326	1.820	.6249	.0643	.0255	3.969
%RSD	184.0	113.0	136.9	44.44	103.8	55.12
#1	-1.927	-2.362	-.1416	.2086	.0032	4.045
#2	-13.84	.4654	.4057	.1456	-.0468	11.66
#3	2.193	-2.933	1.105	.0800	-.0301	5.900

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0743	-.0996	-.0693	.3165	.8975	20.48
Stddev	.0682	.2050	.1081	.0531	4.249	25.75
%RSD	91.85	205.9	156.0	16.78	473.4	125.7
#1	-.1401	.1094	-.0534	.2612	-.6857	-8.502
#2	-.0039	-.1079	-.1845	.3672	5.711	40.73
#3	-.0789	-.3002	.0300	.3210	-2.333	29.22

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.175	.0230	75.70	.4352	-.7733	.4131
Stddev	3.276	.0360	15.94	.4471	3.136	.9127
%RSD	103.2	156.2	21.06	102.7	405.5	221.0
#1	6.514	.0525	91.78	.8393	-4.394	.3274
#2	-.0333	-.0170	75.40	.5115	1.014	-.4538
#3	3.043	.0336	59.90	-.0451	1.060	1.366

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LB 460-361895/1-B@5 Acquired: 4/14/2016 0:56:42 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {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	.3970	-.1272	.8310	.3675	-.3051
Stddev	2.011	1.621	.2807	.0675	.3989	.0491
%RSD	69.72	408.2	220.6	8.123	108.5	16.08
#1	-.8026	-.9996	-.2763	.7847	.6056	-.3454
#2	-4.817	.0167	-.3019	.9085	-.0930	-.2504
#3	-3.035	2.174	.1965	.7999	.5899	-.3193

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6941	-.0132	-.0252	19.60
Stddev	.6410	.0443	.0563	7.04
%RSD	92.36	336.0	223.2	35.94
#1	-.0156	-.0643	-.0449	19.54
#2	.8666	.0109	-.0691	26.68
#3	1.231	.0139	.0383	12.59

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3145.6	38782.	5589.6
Stddev	12.5	268.	85.2
%RSD	.39801	.68979	1.5235
#1	3147.0	39037.	5610.3
#2	3132.5	38504.	5496.0
#3	3157.4	38804.	5662.5

Sample Name: LCSSRM 460-361840/2- Acquired: 4/14/2016 1:04:50 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35450.	689.6	151.6	1060.	485.4	28470.
Stddev	515.	6.4	1.4	8.	6.1	141.
%RSD	1.453	.9335	.9082	.7170	1.247	.4950

#1	35080.	683.2	150.7	1053.	480.6	28340.
#2	35240.	689.6	150.8	1060.	483.4	28460.
#3	36040.	696.0	153.2	1068.	492.2	28620.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	449.3	847.0	737.2	872.3	70990.	10990.
Stddev	3.2	4.4	4.1	3.0	604.	114.
%RSD	.7106	.5174	.5565	.3463	.8506	1.038

#1	446.1	847.5	733.4	870.9	70490.	10880.
#2	449.2	842.4	736.6	870.2	70820.	10970.
#3	452.5	851.1	741.5	875.7	71660.	11110.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12360.	1591.	4291.	721.1	761.2	413.2
Stddev	79.	9.	54.	6.2	5.9	5.6
%RSD	.6354	.5483	1.264	.8571	.7701	1.354

#1	12320.	1584.	4254.	714.8	755.8	409.4
#2	12310.	1588.	4265.	721.3	760.4	410.5
#3	12450.	1601.	4353.	727.2	767.4	419.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCSSRM 460-361840/2- Acquired: 4/14/2016 1:04:50 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	878.6	781.9	567.9	995.3	641.1	614.1
Stddev	12.9	10.8	2.9	5.6	6.4	7.5
%RSD	1.470	1.379	.5190	.5641	1.001	1.219

#1	869.5	771.3	566.0	992.8	635.3	606.6
#2	873.0	781.5	566.4	991.4	639.9	614.2
#3	893.4	792.8	571.3	1002.	648.0	621.5

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	750.8	539.0	1411.	1617.
Stddev	12.9	5.7	8.	41.
%RSD	1.719	1.059	.5682	2.545

#1	737.5	535.1	1405.	1574.
#2	751.6	536.3	1409.	1621.
#3	763.2	545.5	1420.	1656.

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	3230.8	40297.	5976.0
Stddev	20.4	416.	59.0
%RSD	.63158	1.0317	.98717

#1	3209.8	39834.	5908.2
#2	3232.2	40416.	6003.6
#3	3250.5	40639.	6016.1

Sample Name: 460-111474-C-1-E DU Acquired: 4/14/2016 1:08:33 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7459.	30.24	.4659	89.03	.8161	1711.
Stddev	112.	.64	.2003	.17	.0453	10.
%RSD	1.497	2.109	42.99	.1891	5.550	.5799
#1	7330.	30.25	.2454	88.93	.8172	1720.
#2	7526.	29.60	.5156	89.23	.7703	1713.
#3	7521.	30.88	.6366	88.94	.8608	1700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7182	12.25	31.03	20.85	48320.	1319.
Stddev	.1133	.26	.15	.48	166.	18.
%RSD	15.78	2.084	.4926	2.296	.3440	1.386
#1	-.7495	11.98	30.85	20.84	48130.	1303.
#2	-.5925	12.28	31.12	21.34	48400.	1314.
#3	-.8126	12.49	31.11	20.38	48430.	1339.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3017.	804.4	703.2	24.72	252.3	1.841
Stddev	38.	1.9	13.9	.45	1.0	.245
%RSD	1.261	.2399	1.969	1.811	.3898	13.29
#1	3011.	802.4	687.5	24.20	252.3	1.621
#2	3058.	806.2	708.4	24.96	251.3	1.799
#3	2983.	804.6	713.6	24.99	253.3	2.104

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111474-C-1-E DU Acquired: 4/14/2016 1:08:33 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.567	-2.266	42.24	222.7	13.80	2.288
Stddev	1.957	1.444	.71	1.4	.23	.263
%RSD	42.85	63.74	1.680	.6163	1.684	11.51
#1	4.357	-2.944	41.69	221.1	13.54	2.576
#2	6.620	-.6073	43.04	223.3	13.99	2.227
#3	2.723	-3.246	41.99	223.7	13.88	2.060

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10.34	40.70	291.5	680.6
Stddev	.37	.68	.9	24.4
%RSD	3.612	1.667	.2993	3.579
#1	10.36	39.93	290.9	652.4
#2	10.71	41.22	291.1	694.7
#3	9.962	40.94	292.5	694.5

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	3182.7	39699.	5729.7
Stddev	18.9	331.	21.0
%RSD	.59237	.83350	.36577
#1	3161.9	39421.	5713.0
#2	3198.8	39611.	5723.0
#3	3187.4	40065.	5753.2

Sample Name: pds 460-110252-G-2-A Acquired: 4/13/2016 22:13:21 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2302.	1846.	45.70	2042.	48.05	35250.
Stddev	17.	5.	.31	4.	.21	205.
%RSD	.7228	.2858	.6682	.1715	.4443	.5827

#1	2291.	1842.	45.53	2039.	47.80	35270.
#2	2294.	1845.	46.05	2041.	48.13	35440.
#3	2321.	1852.	45.51	2046.	48.21	35030.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.53	484.1	210.3	251.1	1054.	21540.
Stddev	.33	.9	1.4	.7	9.	90.
%RSD	.6787	.1775	.6715	.2879	.8441	.4188

#1	48.44	483.6	211.8	251.7	1045.	21480.
#2	48.25	483.5	210.2	250.3	1063.	21490.
#3	48.89	485.1	209.0	251.4	1056.	21640.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20320.	764.0	38750.	507.3	474.3	446.9
Stddev	59.	1.9	191.	1.2	2.5	4.3
%RSD	.2923	.2429	.4921	.2275	.5209	.9723

#1	20290.	764.7	38570.	506.6	473.5	442.4
#2	20390.	765.5	38730.	506.6	477.0	447.2
#3	20280.	761.9	38950.	508.6	472.3	451.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-110252-G-2-A Acquired: 4/13/2016 22:13:21 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1792.	2025.	491.0	517.5	504.4	481.5
Stddev	17.	8.	1.5	1.0	3.5	3.7
%RSD	.9589	.4098	.3108	.1995	.6930	.7701
#1	1777.	2024.	489.6	517.5	500.6	477.6
#2	1790.	2017.	492.6	516.4	505.1	481.9
#3	1811.	2033.	490.8	518.5	507.5	485.0

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	494.7	515.1	476.2	5703.
Stddev	2.0	3.1	1.2	85.
%RSD	.4123	.6022	.2610	1.483
#1	492.4	513.4	476.0	5688.
#2	495.4	513.2	475.1	5626.
#3	496.3	518.6	477.6	5794.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3258.1	40379.	6005.2
Stddev	25.0	376.	74.7
%RSD	.76853	.93235	1.2441
#1	3231.5	40316.	6024.7
#2	3281.2	40038.	5922.7
#3	3261.6	40783.	6068.3

Sample Name: 460-110049-D-12-A Acquired: 4/13/2016 22:17:19 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	86.74	-2.892	.2552	21.64	.0182	8990.
Stddev	16.55	1.340	.4464	.12	.0385	66.
%RSD	19.08	46.33	174.9	.5681	211.4	.7330
#1	70.63	-3.882	.5925	21.57	.0531	8928.
#2	103.7	-3.427	.4240	21.57	-.0231	9059.
#3	85.88	-1.368	-.2510	21.78	.0247	8982.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1159	4.794	48.61	7.486	423.2	4684.
Stddev	.0856	.090	1.31	.233	15.1	43.
%RSD	73.89	1.889	2.694	3.107	3.565	.9197
#1	-.2124	4.708	48.73	7.748	436.6	4634.
#2	-.0490	4.888	47.24	7.302	406.9	4708.
#3	-.0863	4.786	49.85	7.409	426.3	4710.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2769.	264.5	21410.	87.23	-3.466	.8261
Stddev	12.	1.0	7.	.45	.469	1.341
%RSD	.4298	.3763	.0318	.5162	13.54	162.3
#1	2755.	263.5	21400.	87.43	-3.997	.3214
#2	2776.	264.4	21410.	87.55	-3.108	-.1893
#3	2777.	265.5	21420.	86.72	-3.292	2.346

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110049-D-12-A Acquired: 4/13/2016 22:17:19 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.563	-6530	-0675	10.51	32.75	8.197
Stddev	1.459	.6615	.2467	.10	.57	.136
%RSD	93.32	101.3	365.3	.9920	1.744	1.663
#1	-1.750	-1.384	.2099	10.40	32.56	8.229
#2	-.0202	-.4809	-.1506	10.53	32.31	8.047
#3	-2.921	-.0946	-.2619	10.61	33.40	8.314

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6145	69.21	3.600	6225.
Stddev	.3302	.36	.687	65.
%RSD	53.73	.5168	19.08	1.042
#1	.9951	68.96	3.007	6151.
#2	.4051	69.06	4.353	6273.
#3	.4433	69.62	3.439	6249.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3186.9	39875.	5929.2
Stddev	10.9	154.	42.8
%RSD	.34092	.38519	.72203
#1	3181.2	40044.	5881.4
#2	3199.4	39835.	5964.0
#3	3180.0	39745.	5942.2

Sample Name: CCV Acquired: 4/14/2016 1:27:50 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	128900.	2537.	1304.	10450.	1032.	130400.
Stddev	637.	16.	7.	69.	4.	654.
%RSD	.4946	.6124	.5653	.6610	.3575	.5015

#1	128200.	2554.	1308.	10520.	1028.	130800.
#2	129500.	2529.	1309.	10450.	1035.	130800.
#3	128900.	2527.	1296.	10380.	1034.	129700.

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	1285.	2602.	5176.	13020.	104500.	51660.
Stddev	9.	18.	25.	77.	683.	318.
%RSD	.7253	.6778	.4843	.5924	.6535	.6161

#1	1294.	2620.	5203.	13090.	105300.	51380.
#2	1286.	2602.	5170.	13030.	104200.	52010.
#3	1275.	2584.	5154.	12940.	104000.	51580.

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	131400.	5292.	129900.	2587.	7831.	1018.
Stddev	642.	29.	893.	18.	57.	5.
%RSD	.4886	.5497	.6875	.7028	.7234	.4986

#1	131900.	5316.	129100.	2605.	7888.	1023.
#2	131700.	5300.	130800.	2588.	7830.	1015.
#3	130700.	5259.	129700.	2568.	7775.	1015.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/14/2016 1:27:50 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2553.	2633.	2613.	2595.	1016.	2587.
Stddev	14.	30.	14.	17.	7.	14.
%RSD	.5452	1.138	.5226	.6451	.7089	.5595

#1	2567.	2664.	2626.	2611.	1023.	2602.
#2	2554.	2630.	2614.	2595.	1017.	2586.
#3	2539.	2604.	2599.	2578.	1009.	2573.

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	1032.	5251.	10490.	9905.
Stddev	9.	34.	59.	141.
%RSD	.8626	.6381	.5576	1.427

#1	1040.	5217.	10500.	9820.
#2	1034.	5284.	10550.	10070.
#3	1023.	5252.	10430.	9827.

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	2953.3	37061.	5590.0
Stddev	23.9	134.	51.6
%RSD	.80850	.36165	.92270

#1	2933.2	36928.	5531.4
#2	2947.0	37057.	5628.4
#3	2979.7	37196.	5610.2

Sample Name: CCVL Acquired: 4/14/2016 1:35:38 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	224.4	11.61	10.96	216.8	2.267	5349.
Stddev	11.0	1.41	.50	.5	.012	21.
%RSD	4.896	12.17	4.519	.2216	.5197	.3942

#1	211.8	11.49	10.69	217.2	2.272	5338.
#2	230.1	13.08	10.67	216.8	2.254	5374.
#3	231.4	10.27	11.54	216.3	2.276	5336.

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	4.187	54.78	10.68	26.54	174.2	5106.
Stddev	.078	.15	.29	.45	4.3	40.
%RSD	1.865	.2681	2.681	1.693	2.494	.7918

#1	4.133	54.95	10.60	26.72	170.5	5115.
#2	4.277	54.70	10.45	26.02	179.0	5061.
#3	4.152	54.68	11.00	26.86	173.2	5140.

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	5188.	17.04	5174.	44.30	12.49	20.43
Stddev	19.	.13	11.	.31	1.59	.32
%RSD	.3581	.7652	.2180	.7069	12.73	1.557

#1	5167.	16.92	5186.	44.66	11.11	20.07
#2	5193.	17.18	5172.	44.14	12.12	20.65
#3	5203.	17.02	5163.	44.10	14.23	20.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/14/2016 1:35:38 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.19	21.86	53.61	33.00	50.48	20.46
Stddev	1.41	2.32	.29	.08	.57	.13
%RSD	7.724	10.61	.5424	.2340	1.139	.6305

#1	16.93	20.97	53.30	33.02	51.12	20.35
#2	19.70	24.49	53.64	33.07	50.28	20.42
#3	17.93	20.11	53.88	32.92	50.02	20.60

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	52.28	21.82	21.77	F 16.13
Stddev	1.45	.26	.16	2.47
%RSD	2.782	1.200	.7222	15.33

#1	50.61	22.12	21.65	13.50
#2	53.18	21.62	21.72	18.41
#3	53.07	21.72	21.95	16.48

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	3101.7	38434.	5494.9
Stddev	6.4	176.	21.2
%RSD	.20727	.45749	.38506

#1	3106.5	38574.	5476.5
#2	3104.2	38236.	5490.3
#3	3094.4	38491.	5518.0

Sample Name: 460-111474-C-2-D@4 Acquired: 4/14/2016 1:39:32 Type: Unk

Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6571.	24.56	.6935	139.5	.6751	1252.
Stddev	26.	1.37	.5090	.4	.0520	16.
%RSD	.3940	5.566	73.39	.3058	7.695	1.287

#1	6547.	25.93	1.177	140.0	.7348	1236.
#2	6598.	23.19	.1621	139.2	.6502	1251.
#3	6568.	24.57	.7419	139.4	.6403	1268.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6260	11.18	27.31	19.02	41490.	1251.
Stddev	.1561	.22	.31	.19	225.	20.
%RSD	24.94	1.998	1.140	.9844	.5424	1.575

#1	-.5729	10.97	26.96	18.85	41230.	1269.
#2	-.8018	11.41	27.39	19.00	41620.	1230.
#3	-.5034	11.14	27.57	19.22	41630.	1252.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2811.	818.7	631.0	19.01	155.4	.4580
Stddev	25.	4.5	4.3	.29	.8	.7153
%RSD	.8737	.5532	.6889	1.523	.4894	156.2

#1	2783.	814.3	627.0	19.28	155.0	1.223
#2	2828.	818.6	630.3	19.05	156.2	.3462
#3	2822.	823.3	635.6	18.71	154.9	-.1948

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111474-C-2-D@4 Acquired: 4/14/2016 1:39:32 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.336	-.9680	40.56	205.3	5.593	1.276
Stddev	1.571	1.887	.63	1.0	.901	.209
%RSD	47.10	194.9	1.554	.4896	16.10	16.36
#1	2.095	-3.133	39.85	205.0	6.528	1.035
#2	5.102	.3240	41.05	204.4	5.518	1.402
#3	2.809	-.0950	40.80	206.4	4.732	1.391

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	98.72	23.79	227.0	676.1
Stddev	.34	.34	2.5	2.4
%RSD	.3471	1.420	1.085	.3483
#1	99.04	23.45	226.8	676.8
#2	98.75	23.80	224.7	673.5
#3	98.36	24.13	229.6	678.0

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	3105.9	38723.	5566.6
Stddev	12.6	17.	43.0
%RSD	.40643	.04457	.77180
#1	3093.3	38716.	5537.0
#2	3105.8	38742.	5546.9
#3	3118.6	38710.	5615.8

Sample Name: 460-110491-A-18-A@10 Acquired: 4/14/2016 1:43:21 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11230.	73.53	.1635	77.98	1.358	1733.
Stddev	508.	3.84	.1373	3.57	.042	85.
%RSD	4.524	5.224	83.94	4.574	3.062	4.905
#1	10790.	72.42	.2659	74.55	1.360	1655.
#2	11120.	70.37	.2171	77.72	1.316	1721.
#3	11780.	77.81	.0076	81.67	1.399	1824.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8774	22.87	35.78	17.86	67320.	2590.
Stddev	.1349	1.21	1.77	.91	2926.	114.
%RSD	15.38	5.314	4.937	5.118	4.346	4.403
#1	-.9560	21.53	34.21	17.05	64580.	2470.
#2	-.9547	23.17	35.43	17.68	66970.	2602.
#3	-.7217	23.90	37.69	18.85	70400.	2697.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4816.	204.3	115.8	38.99	22.71	1.144
Stddev	237.	9.9	.9	2.16	2.76	.502
%RSD	4.914	4.845	.7915	5.551	12.14	43.89
#1	4617.	195.8	115.3	36.78	21.92	1.347
#2	4753.	201.9	115.2	39.08	25.77	1.512
#3	5078.	215.2	116.8	41.11	20.43	.5719

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110491-A-18-A@10 Acquired: 4/14/2016 1:43:21 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.116	-2.029	96.25	101.8	13.01	.7571
Stddev	3.383	1.320	4.81	5.3	1.01	.1194
%RSD	108.6	65.08	5.000	5.233	7.749	15.77
#1	.5532	-2.590	92.27	96.89	12.23	.6200
#2	1.845	-.5206	94.88	101.0	12.65	.8129
#3	6.950	-2.976	101.6	107.5	14.15	.8383

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7651	19.74	264.8	500.9
Stddev	.6991	.84	12.0	20.3
%RSD	91.37	4.241	4.549	4.044
#1	1.515	19.13	253.4	477.7
#2	.6478	19.39	263.6	510.1
#3	.1321	20.70	277.4	515.0

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	3247.8	40658.	5983.1
Stddev	5.3	165.	24.9
%RSD	.16228	.40608	.41663
#1	3250.5	40624.	5979.0
#2	3251.2	40837.	6009.8
#3	3241.7	40512.	5960.4

Sample Name: 460-110491-A-26-A@10 Acquired: 4/14/2016 1:47:12 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15060.	73.42	-1.1489	107.0	1.702	4178.
Stddev	116.	2.74	.2462	.3	.057	18.
%RSD	.7693	3.735	165.3	.2665	3.336	.4258

#1	15000.	70.61	.1322	106.8	1.747	4195.
#2	15200.	73.56	-.3260	106.8	1.721	4180.
#3	14990.	76.08	-.2530	107.3	1.639	4159.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.523	20.04	81.08	14.58	155500.	4762.
Stddev	.025	.45	.28	.48	287.	49.
%RSD	.9924	2.229	.3430	3.294	.1843	1.021

#1	-2.549	20.16	81.40	14.46	155900.	4749.
#2	-2.499	19.54	80.91	15.11	155400.	4816.
#3	-2.520	20.41	80.93	14.17	155400.	4721.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4618.	3219.	30.16	66.57	45.66	1.976
Stddev	39.	6.	7.96	.80	1.01	1.110
%RSD	.8418	.2005	26.40	1.207	2.205	56.15

#1	4627.	3226.	39.15	65.77	44.56	1.183
#2	4651.	3213.	24.00	66.57	46.53	3.244
#3	4575.	3220.	27.33	67.38	45.90	1.501

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110491-A-26-A@10 Acquired: 4/14/2016 1:47:12 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.34	-1.590	216.9	140.9	13.82	.9596
Stddev	3.67	1.154	2.0	.7	.39	.1796
%RSD	32.40	72.59	.9116	.4764	2.806	18.72
#1	12.08	-.2891	216.3	140.1	14.11	1.087
#2	14.58	-2.491	219.2	141.3	13.96	.7542
#3	7.349	-1.989	215.4	141.3	13.38	1.038

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3357	30.36	118.9	796.9
Stddev	1.214	.12	.9	23.0
%RSD	361.6	.3923	.7271	2.888
#1	-1.051	30.33	118.6	785.7
#2	.8485	30.49	119.8	781.7
#3	1.209	30.26	118.2	823.4

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	3221.2	40192.	5894.0
Stddev	17.3	194.	93.8
%RSD	.53673	.48312	1.5913
#1	3204.8	39972.	5864.7
#2	3239.3	40262.	5818.3
#3	3219.4	40341.	5998.9

Sample Name: 460-110491-A-33-A@10 Acquired: 4/14/2016 1:54:50 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13360.	35.20	.1100	43.44	.8514	1424.
Stddev	358.	1.60	.2411	.86	.0302	43.
%RSD	2.681	4.530	219.2	1.970	3.542	3.037
#1	13070.	35.67	.0665	42.62	.8175	1381.
#2	13260.	33.42	.3698	43.37	.8753	1423.
#3	13760.	36.50	-.1064	44.33	.8613	1468.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7941	2.708	51.92	13.71	44940.	4634.
Stddev	.0528	.089	.98	.56	1285.	95.
%RSD	6.643	3.280	1.878	4.101	2.859	2.041
#1	-.7710	2.722	50.88	13.35	43670.	4551.
#2	-.7568	2.614	52.08	13.43	44910.	4614.
#3	-.8545	2.790	52.81	14.36	46240.	4737.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2598.	35.04	54.91	7.130	13.50	1.404
Stddev	78.	1.00	4.29	.231	1.49	1.996
%RSD	3.018	2.845	7.813	3.239	11.04	142.2
#1	2529.	34.30	50.78	6.899	11.89	3.314
#2	2583.	34.65	54.62	7.129	13.77	1.564
#3	2683.	36.17	59.34	7.361	14.83	-.6681

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110491-A-33-A@10 Acquired: 4/14/2016 1:54:50 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4906	-2.156	143.1	29.43	18.72	-.0194
Stddev	.8577	1.368	4.3	.87	.67	.4122
%RSD	174.8	63.44	3.019	2.953	3.571	2121.
#1	-.4037	-3.378	139.5	28.63	19.46	-.4754
#2	.5693	-2.410	142.0	29.31	18.16	.0901
#3	1.306	-.6788	147.9	30.35	18.55	.3269

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8169	11.27	104.0	744.9
Stddev	.0514	.21	2.7	15.0
%RSD	6.292	1.821	2.643	2.011
#1	.7685	11.05	101.8	736.5
#2	.8114	11.31	103.2	736.0
#3	.8708	11.46	107.1	762.2

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	3236.5	40404.	5968.3
Stddev	12.7	148.	28.1
%RSD	.39209	.36740	.47040
#1	3221.8	40288.	5978.0
#2	3243.4	40571.	5990.2
#3	3244.2	40353.	5936.6

Sample Name: 460-110491-A-36-A@4 Acquired: 4/14/2016 1:58:42 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28760.	51.63	-3534	98.53	2.346	1609.
Stddev	73.	1.27	.0905	.69	.118	3.
%RSD	.2552	2.451	25.61	.7029	5.030	.1689

#1	28840.	50.17	-.2843	97.96	2.242	1612.
#2	28710.	52.28	-.4559	98.33	2.474	1607.
#3	28730.	52.43	-.3201	99.30	2.323	1608.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.182	6.075	118.8	58.68	113800.	5862.
Stddev	.127	.157	.5	.27	255.	38.
%RSD	5.839	2.584	.3810	.4580	.2242	.6483

#1	-2.260	6.241	118.6	58.75	113700.	5820.
#2	-2.035	5.929	118.6	58.39	113600.	5894.
#3	-2.250	6.054	119.4	58.92	114100.	5873.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3770.	155.4	142.8	24.37	57.72	1.249
Stddev	11.	.7	6.4	.49	1.74	.806
%RSD	.2954	.4624	4.497	2.029	3.021	64.53

#1	3763.	154.7	143.5	23.80	59.72	1.763
#2	3783.	156.1	148.9	24.59	56.53	.3201
#3	3764.	155.3	136.1	24.71	56.91	1.663

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110491-A-36-A@4 Acquired: 4/14/2016 1:58:42 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.306	-3.182	173.2	78.16	9.096	1.333
Stddev	3.061	.927	.8	.74	.408	.164
%RSD	41.90	29.13	.4649	.9414	4.481	12.32
#1	10.82	-2.389	172.3	77.31	8.658	1.510
#2	5.255	-2.957	173.8	78.49	9.168	1.186
#3	5.838	-4.201	173.5	78.67	9.464	1.302

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.493	23.95	355.5	1940.
Stddev	.131	.14	.3	29.
%RSD	5.251	.5983	.0943	1.515
#1	2.600	23.92	355.9	1906.
#2	2.347	24.10	355.4	1961.
#3	2.531	23.82	355.3	1952.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3293.0	40872.	5945.6
Stddev	8.5	189.	31.5
%RSD	.25773	.46242	.52967
#1	3300.7	40653.	5909.6
#2	3294.3	40984.	5958.8
#3	3283.9	40978.	5968.3

Sample Name: 460-111853-A-2-A@4 Acquired: 4/14/2016 2:06:21 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20940.	10.35	.1465	180.4	.8743	61290.
Stddev	7.	1.67	.4926	.6	.0664	97.
%RSD	.0345	16.10	336.2	.3347	7.597	.1584

#1	20940.	12.17	-.0869	179.9	.9385	61390.
#2	20940.	10.01	.7124	180.2	.8787	61260.
#3	20930.	8.886	-.1859	181.1	.8058	61200.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0067	13.68	42.20	78.73	38150.	4432.
Stddev	.1157	.21	.49	.93	53.	11.
%RSD	1739.	1.534	1.161	1.178	.1395	.2396

#1	-.1246	13.58	42.63	77.77	38160.	4440.
#2	.0937	13.54	42.31	78.81	38200.	4437.
#3	.0508	13.92	41.67	79.62	38090.	4420.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22040.	668.8	546.5	44.96	176.2	.7199
Stddev	34.	.3	6.1	.26	1.4	.2440
%RSD	.1547	.0488	1.122	.5694	.8047	33.90

#1	22010.	669.1	541.4	45.22	174.6	.8614
#2	22040.	668.4	553.3	44.96	177.2	.4381
#3	22070.	668.8	544.7	44.71	176.7	.8602

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111853-A-2-A@4 Acquired: 4/14/2016 2:06:21 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.767	-8651	71.77	252.1	18.44	1.380
Stddev	1.631	.7432	.51	2.3	.78	.165
%RSD	58.96	85.91	.7050	.9301	4.209	11.92
#1	2.513	-.1228	71.20	249.8	17.55	1.322
#2	1.277	-.8634	72.16	251.9	18.90	1.253
#3	4.510	-1.609	71.95	254.5	18.89	1.566

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.417	133.0	861.9	1182.
Stddev	.679	1.2	1.0	15.
%RSD	12.54	.8780	.1121	1.231
#1	6.174	134.0	860.8	1180.
#2	4.860	133.3	862.2	1168.
#3	5.217	131.7	862.6	1197.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3176.4	39670.	5948.3
Stddev	15.5	356.	45.3
%RSD	.48876	.89818	.76088
#1	3158.5	39301.	5897.0
#2	3185.4	39698.	5965.4
#3	3185.4	40012.	5982.5

Sample Name: CCV Acquired: 4/14/2016 2:14:03 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125800.	2482.	1263.	10340.	1016.	129500.
Stddev	376.	6.	6.	16.	6.	330.
%RSD	.2992	.2485	.4377	.1563	.5615	.2549

#1	126200.	2488.	1268.	10350.	1022.	129900.
#2	125500.	2476.	1258.	10340.	1012.	129300.
#3	125600.	2482.	1262.	10320.	1013.	129400.

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	1270.	2549.	5194.	12670.	102900.	50600.
Stddev	3.	3.	20.	72.	611.	24.
%RSD	.2126	.1070	.3926	.5650	.5935	.0473

#1	1273.	2548.	5216.	12740.	103500.	50630.
#2	1269.	2548.	5176.	12600.	102700.	50590.
#3	1268.	2552.	5189.	12670.	102400.	50580.

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	127100.	5224.	125400.	2562.	7587.	988.2
Stddev	483.	18.	138.	7.	6.	4.0
%RSD	.3800	.3523	.1096	.2600	.0847	.4056

#1	127600.	5245.	125500.	2570.	7581.	990.3
#2	126700.	5210.	125300.	2561.	7587.	990.7
#3	126900.	5216.	125500.	2557.	7594.	983.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/14/2016 2:14:03 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2426.	2571.	2577.	2556.	998.8	2554.
Stddev	9.	11.	13.	5.	1.2	2.
%RSD	.3724	.4215	.4979	.2082	.1227	.0674
#1	2430.	2563.	2591.	2561.	999.3	2556.
#2	2416.	2566.	2566.	2555.	997.4	2554.
#3	2433.	2583.	2572.	2550.	999.7	2552.

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	1021.	5141.	10310.	9551.
Stddev	2.	19.	52.	29.
%RSD	.1960	.3707	.5008	.3050
#1	1022.	5163.	10370.	9584.
#2	1023.	5127.	10270.	9532.
#3	1019.	5134.	10280.	9535.

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	2979.3	37284.	5547.2
Stddev	6.2	109.	26.5
%RSD	.20814	.29304	.47715
#1	2984.8	37410.	5576.6
#2	2980.5	37227.	5539.7
#3	2972.6	37216.	5525.3

Sample Name: 460-110252-G-1-A Acquired: 4/13/2016 22:21:36 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3403.	-.5834	.5690	49.54	.1246	31040.
Stddev	15.	1.071	.4360	.31	.0655	63.
%RSD	.4374	183.5	76.63	.6315	52.58	.2031
#1	3400.	-.3327	1.038	49.56	.1910	31110.
#2	3390.	.3397	.1764	49.84	.1229	31040.
#3	3420.	-1.757	.4924	49.21	.0600	30980.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0748	1.662	10.19	7.110	5179.	3055.
Stddev	.0197	.076	.33	.293	23.	36.
%RSD	26.28	4.560	3.212	4.122	.4350	1.177
#1	-.0538	1.750	10.46	7.032	5153.	3013.
#2	-.0777	1.617	9.823	6.864	5191.	3079.
#3	-.0928	1.620	10.28	7.435	5193.	3071.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4890.	179.2	40570.	5.869	-.6461	.9362
Stddev	9.	.3	95.	.294	1.970	.2125
%RSD	.1890	.1786	.2346	5.014	304.9	22.70
#1	4888.	179.0	40670.	6.079	.5353	1.179
#2	4882.	179.0	40480.	5.995	.4469	.8454
#3	4900.	179.5	40570.	5.533	-2.921	.7842

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110252-G-1-A Acquired: 4/13/2016 22:21:36 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4444	.3072	4.935	89.69	38.91	.0560
Stddev	4.330	1.439	.249	.34	.46	.0967
%RSD	974.2	468.4	5.044	.3767	1.177	172.5
#1	2.426	-.0138	4.659	89.50	39.43	.1298
#2	1.666	-.9440	5.002	90.08	38.56	.0917
#3	-5.424	1.879	5.144	89.49	38.74	-.0534

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.630	141.9	125.5	5839.
Stddev	.338	.5	.7	23.
%RSD	12.85	.3438	.5819	.3969
#1	2.825	142.0	125.0	5821.
#2	2.239	141.4	126.4	5865.
#3	2.824	142.4	125.3	5831.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3217.2	39876.	5927.2
Stddev	10.9	157.	21.0
%RSD	.33992	.39248	.35431
#1	3210.9	39698.	5911.5
#2	3210.9	39993.	5951.1
#3	3229.8	39936.	5919.2

Sample Name: CCVL Acquired: 4/14/2016 2:21:37 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	207.6	13.22	10.42	215.9	2.041	5233.
Stddev	3.1	2.37	.73	1.3	.072	38.
%RSD	1.490	17.90	7.028	.6161	3.546	.7247

#1	206.5	10.51	10.27	215.5	2.099	5229.
#2	205.2	14.29	11.22	217.3	1.960	5272.
#3	211.1	14.87	9.780	214.8	2.064	5197.

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	4.159	54.41	10.08	25.41	162.2	4940.
Stddev	.092	.49	.38	.20	2.4	25.
%RSD	2.218	.9085	3.753	.7776	1.473	.4984

#1	4.265	54.74	10.03	25.63	160.2	4944.
#2	4.107	54.64	10.49	25.35	164.9	4963.
#3	4.104	53.84	9.734	25.24	161.5	4914.

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	4964.	16.60	4951.	44.02	11.15	20.05
Stddev	31.	.19	5.	.19	.52	1.22
%RSD	.6157	1.126	.1038	.4376	4.651	6.071

#1	4972.	16.45	4954.	44.00	11.73	19.97
#2	4989.	16.81	4945.	44.22	10.98	18.88
#3	4930.	16.54	4954.	43.83	10.74	21.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/14/2016 2:21:37 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.41	22.51	51.97	32.37	49.42	20.36
Stddev	3.13	.41	.32	.39	.71	.16
%RSD	18.01	1.808	.6119	1.195	1.440	.8059

#1	19.81	22.06	51.73	32.45	49.39	20.24
#2	13.86	22.86	52.33	32.70	50.15	20.55
#3	18.55	22.62	51.83	31.94	48.73	20.29

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	51.66	21.36	21.19	F 8.131
Stddev	.49	.21	.34	22.95
%RSD	.9548	.9936	1.585	282.3

#1	52.19	21.12	20.83	33.03
#2	51.57	21.51	21.50	3.551
#3	51.22	21.46	21.24	-12.19

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	3195.6	39740.	5806.8
Stddev	7.2	203.	41.4
%RSD	.22475	.51197	.71257

#1	3203.7	39514.	5763.7
#2	3189.9	39797.	5846.2
#3	3193.3	39908.	5810.5

Sample Name: 460-110252-G-4-A Acquired: 4/13/2016 22:30:05 Type: Unk

Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	138.8	.1190	.0626	40.07	.0153	61860.
Stddev	10.4	1.942	.2582	.12	.0250	333.
%RSD	7.506	1632.	412.4	.2907	163.2	.5388

#1	149.9	-1.889	-.0435	39.94	.0262	61500.
#2	137.1	1.988	.3569	40.11	-.0133	61940.
#3	129.3	.2574	-.1256	40.17	.0331	62150.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3998	.2968	-.0136	.6444	7091.	2099.
Stddev	.0617	.1325	.3859	.3371	37.	21.
%RSD	15.43	44.66	2827.	52.31	.5177	1.024

#1	-.3935	.1562	.4313	.5952	7053.	2074.
#2	-.4644	.4195	-.2143	1.003	7095.	2112.
#3	-.3415	.3146	-.2579	.3346	7126.	2110.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18990.	456.7	202000.	.7927	-.5290	.8702
Stddev	58.	1.7	3053.	.0893	1.175	.5233
%RSD	.3033	.3664	1.511	11.27	222.2	60.13

#1	18920.	455.0	199200.	.7058	.6349	1.472
#2	19020.	456.6	205200.	.8842	-.5067	.5208
#3	19020.	458.4	201700.	.7880	-1.715	.6180

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110252-G-4-A Acquired: 4/13/2016 22:30:05 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.410	-.0126	-.0626	4.940	21.62	-.1409
Stddev	2.539	1.424	.4318	.165	.46	.1025
%RSD	74.47	11310.	689.6	3.336	2.131	72.76
#1	-6.331	-.6767	-.5484	4.749	21.48	-.1134
#2	-2.169	-.9830	.2776	5.035	21.25	-.2544
#3	-1.730	1.622	.0829	5.035	22.14	-.0550

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6089	222.0	3.807	2969.
Stddev	.6637	1.4	.095	21.
%RSD	109.0	.6290	2.496	.7215
#1	-.9364	220.6	3.753	2993.
#2	-1.045	223.4	3.917	2959.
#3	.1550	222.1	3.751	2954.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3027.4	37830.	5684.4
Stddev	4.8	196.	90.6
%RSD	.15849	.51829	1.5939
#1	3032.7	38045.	5787.2
#2	3026.3	37782.	5616.2
#3	3023.3	37662.	5649.8

Sample Name: 460-110252-G-6-A Acquired: 4/13/2016 22:38:50 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	146.5	-4.993	.4279	101.8	.3037	13190.
Stddev	5.4	.202	.1510	.0	.0754	2.
%RSD	3.705	4.054	35.28	.0318	24.82	.0182
#1	144.8	-4.871	.4728	101.8	.3143	13190.
#2	152.6	-5.227	.2596	101.8	.2236	13190.
#3	142.2	-4.882	.5513	101.7	.3732	13190.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1059	.2137	1.638	1.028	43.04	4172.
Stddev	.0939	.1438	.191	.518	15.01	35.
%RSD	88.67	67.29	11.68	50.34	34.88	.8467
#1	-.0032	.2195	1.420	1.279	58.02	4133.
#2	-.1874	.3545	1.776	1.372	28.00	4201.
#3	-.1272	.0671	1.718	.4329	43.10	4181.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2557.	682.7	50070.	1.622	-1.039	1.019
Stddev	21.	.8	90.	.906	1.167	.920
%RSD	.8378	.1142	.1801	55.85	112.3	90.29
#1	2552.	681.8	49970.	2.425	.0349	.1137
#2	2580.	683.3	50100.	.6402	-2.280	.9901
#3	2538.	682.9	50150.	1.800	-.8709	1.953

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110252-G-6-A Acquired: 4/13/2016 22:38:50 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.496	-.3257	.3383	15.03	24.01	-.5343
Stddev	3.969	2.269	.1349	.18	.16	.1487
%RSD	265.3	696.7	39.88	1.181	.6755	27.84
#1	-2.577	-1.235	.4084	14.84	24.19	-4.030
#2	2.902	-1.999	.1828	15.07	23.96	-.6958
#3	-4.812	2.257	.4238	15.19	23.88	-.5040

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0625	67.51	2.539	4565.
Stddev	.2280	.48	.106	54.
%RSD	364.7	.7047	4.165	1.179
#1	.2730	67.58	2.623	4559.
#2	.0942	67.95	2.574	4622.
#3	-.1796	67.01	2.420	4514.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3100.5	38077.	5561.0
Stddev	3.1	151.	27.6
%RSD	.09955	.39712	.49595
#1	3098.4	38188.	5572.8
#2	3099.1	38138.	5580.6
#3	3104.0	37905.	5529.4

Sample Name: CCB Acquired: 4/13/2016 22:51:23 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.752	-1.155	.2640	.8136	.0215	-2.941
Stddev	6.653	1.108	.3592	1.101	.0397	2.740
%RSD	177.3	95.95	136.0	135.3	184.3	93.17
#1	-4.669	-.8652	.0284	.3413	-.0202	-5.892
#2	3.313	-.2201	.0863	2.071	.0587	-.4762
#3	-9.899	-2.378	.6775	.0280	.0261	-2.456

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0454	.2340	.0065	.3223	5.340	4.801
Stddev	.1143	.2773	.1070	.1063	13.94	19.85
%RSD	251.9	118.5	1657.	33.00	261.1	413.4
#1	-.0068	.1193	-.0766	.3935	-1.470	27.61
#2	.1765	.5502	-.0312	.3733	21.38	-4.711
#3	-.0335	.0325	.1272	.2000	-3.887	-8.500

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.404	.0804	9.097	-.0030	-.8641	1.206
Stddev	4.408	.0768	8.931	.6927	1.234	.673
%RSD	129.5	95.48	98.18	23450.	142.8	55.81
#1	7.395	.1682	19.41	-.6042	-.7585	1.787
#2	4.145	.0255	3.831	.7545	.3136	.4684
#3	-1.327	.0477	4.050	-.1591	-2.147	1.362

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/13/2016 22:51:23 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.646	.0627	-.1727	-.0469	-.0478	.5063
Stddev	3.128	1.180	.1569	.4237	.1173	.4596
%RSD	118.2	1881.	90.85	903.4	245.6	90.78
#1	-6.207	-1.298	-.2192	-.1379	-.1094	.8436
#2	-.3408	.8061	-.3012	.4149	.0875	.6924
#3	-1.391	.6797	.0022	-.4177	-.1214	-.0172

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1958	.1164	.3322	6.769
Stddev	.4942	.0722	.0708	19.75
%RSD	252.3	62.07	21.32	291.8
#1	-.7391	.0771	.2756	-8.872
#2	.2270	.1997	.4117	.2142
#3	-.0754	.0723	.3094	28.97

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	3192.8	39412.	5789.7
Stddev	20.0	272.	39.3
%RSD	.62605	.69111	.67914
#1	3169.8	39098.	5750.0
#2	3202.4	39572.	5828.7
#3	3206.2	39567.	5790.3

Sample Name: CCVL Acquired: 4/13/2016 22:55:44 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	212.3	13.74	10.67	213.9	1.958	5252.
Stddev	2.3	2.96	.12	.5	.062	12.
%RSD	1.070	21.53	1.136	.2234	3.151	.2283

#1	214.7	10.42	10.71	213.3	2.029	5264.
#2	210.2	16.11	10.54	214.2	1.920	5240.
#3	212.0	14.69	10.77	214.1	1.924	5250.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.208	54.16	10.46	25.91	170.1	4965.
Stddev	.091	.06	.24	.29	4.6	32.
%RSD	2.168	.1158	2.290	1.126	2.681	.6348

#1	4.176	54.22	10.20	26.03	175.4	4975.
#2	4.311	54.09	10.67	25.57	167.2	4990.
#3	4.137	54.16	10.52	26.12	167.8	4930.

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	5031.	16.62	5007.	43.81	10.85	19.17
Stddev	16.	.06	36.	.51	.89	1.13
%RSD	.3139	.3751	.7233	1.168	8.177	5.907

#1	5049.	16.64	5037.	43.36	11.38	17.86
#2	5025.	16.55	5018.	44.37	11.33	19.78
#3	5019.	16.67	4967.	43.72	9.822	19.86

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/13/2016 22:55:44 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.72	23.32	52.39	32.46	49.50	20.00
Stddev	1.55	.89	.47	.17	.23	.38
%RSD	8.268	3.813	.8965	.5100	.4563	1.913
#1	19.21	24.06	52.82	32.28	49.24	19.57
#2	19.97	22.33	51.89	32.50	49.58	20.16
#3	16.99	23.56	52.45	32.60	49.66	20.28

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	51.35	21.48	21.18	F .8843
Stddev	.16	.16	.12	5.264
%RSD	.3103	.7233	.5697	595.2
#1	51.53	21.59	21.10	-5.162
#2	51.27	21.55	21.11	3.372
#3	51.24	21.30	21.32	4.444

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	3173.7	39283.	5744.6
Stddev	6.7	201.	45.3
%RSD	.21122	.51178	.78874
#1	3166.1	39062.	5741.2
#2	3178.7	39333.	5701.1
#3	3176.2	39455.	5791.5

Sample Name: MB 460-362290/1-A Acquired: 4/13/2016 23:00:00 Type: QC

Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.971	-3.146	.4573	.1005	-.0438	1.791
Stddev	6.821	.7550	.2681	.0155	.0243	4.759
%RSD	229.5	240.0	58.63	15.45	55.45	265.8

#1	-1.703	.3840	.6203	.0839	-.0447	-3.626
#2	3.126	-1.116	.1479	.1027	-.0676	5.301
#3	-10.34	-.2123	.6036	.1147	-.0191	3.698

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0199	.0576	-.7090	.3693	-1.861	-9.347
Stddev	.0629	.1945	.1767	.1615	9.289	18.88
%RSD	315.9	337.8	24.92	43.73	499.3	202.0

#1	-.0529	-.0252	-.8723	.1979	7.351	-16.98
#2	.0527	-.0819	-.5214	.3913	-11.23	-23.22
#3	-.0595	.2798	-.7332	.5186	-1.708	12.16

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.316	-.0111	1.347	-.3092	-.3507	.4571
Stddev	3.556	.0237	8.288	.2456	1.789	1.370
%RSD	82.40	213.3	615.1	79.45	510.0	299.8

#1	3.731	-.0298	.4531	-.2284	-.7593	1.759
#2	8.129	-.0191	-6.457	-.5850	-1.900	.5857
#3	1.089	.0156	10.05	-.1141	1.607	-.9731

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-362290/1-A Acquired: 4/13/2016 23:00:00 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.540	-.0398	-.2156	.3699	-.6202	-.4954
Stddev	1.199	.3810	.4755	.1995	.4371	.1211
%RSD	77.84	957.1	220.5	53.94	70.47	24.46
#1	-1.974	.2119	-.3591	.2442	-.8522	-.3853
#2	-.1848	.1468	-.6028	.6000	-.1161	-.4756
#3	-2.461	-.4781	.3151	.2656	-.8924	-.6252

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2159	.0090	-.1424	13.99
Stddev	.2251	.0959	.0621	5.73
%RSD	104.2	1060.	43.62	40.98
#1	.0389	-.0916	-.1891	19.14
#2	-.3878	.0192	-.1662	15.00
#3	-.2988	.0995	-.0719	7.816

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	3181.1	39504.	5789.6
Stddev	13.3	168.	49.4
%RSD	.41870	.42576	.85353
#1	3175.0	39317.	5758.2
#2	3171.8	39551.	5764.0
#3	3196.3	39643.	5846.6

Sample Name: 460-111956-A-1-B@5 Acquired: 4/13/2016 23:12:45 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-110.9	1094.	-3.914	55.87	k -.0170	1613.
Stddev	20.2	3.	.485	.30	.0344	23.
%RSD	18.18	.3044	12.39	.5457	202.1	1.431

#1	-95.25	1097.	-3.376	55.53	k -.0510	1640.
#2	-133.7	1091.	-4.047	56.12	k .0178	1596.
#3	-103.8	1093.	-4.318	55.96	k -.0178	1604.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k -.1312	27.53	k .1230	k 5.962	k 113.2	431.8
Stddev	.0578	.12	.2856	.244	9.4	29.7
%RSD	44.08	.4280	232.3	4.088	8.273	6.887

#1	k -.1814	27.39	k .0223	k 6.242	k 107.1	415.7
#2	k -.1441	27.59	k -.0986	k 5.797	k 124.0	413.6
#3	k -.0680	27.60	k .4453	k 5.847	k 108.6	466.1

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	k 544.6	k 5.365	F 298700.	287.5	k 16.04	k 419.7
Stddev	2.9	.073	1522.	.9	1.45	3.6
%RSD	.5301	1.370	.5094	.2993	9.049	.8497

#1	k 547.4	k 5.427	297200.	286.5	k 17.25	k 416.1
#2	k 541.6	k 5.284	300200.	287.9	k 14.43	k 419.8
#3	k 544.9	k 5.385	298700.	288.1	k 16.42	k 423.2

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111956-A-1-B@5 Acquired: 4/13/2016 23:12:45 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k 7.289	k -1.103	k 125.8	k 11.77	k 18.23	k 7.657
Stddev	1.434	.459	1.4	.19	.14	.252
%RSD	19.67	41.59	1.079	1.605	.7879	3.285

#1	k 5.650	k -1.441	k 126.7	k 11.57	k 18.17	k 7.723
#2	k 8.312	k -1.287	k 124.3	k 11.80	k 18.12	k 7.869
#3	k 7.904	k -.5808	k 126.5	k 11.95	k 18.39	k 7.379

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	k -.0531	^ *****	k .8574	k 2808.
Stddev	.2018	----	.0973	25.
%RSD	380.2	----	11.35	.8931

#1	k .1780	^ ----	k .9619	k 2791.
#2	k -.1941	^ ----	k .7695	k 2797.
#3	k -.1431	^ ----	k .8409	k 2837.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3061.8	37170.	5517.5
Stddev	18.7	392.	94.4
%RSD	.61076	1.0547	1.7106

#1	3040.3	36744.	5492.9
#2	3073.8	37515.	5437.8
#3	3071.5	37252.	5621.7

Sample Name: 460-111956-A-1-C DU Acquired: 4/13/2016 23:08:21 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-100.4	1107.	-3.673	56.20	k .0778	1647.
Stddev	14.4	11.	.319	.23	.0560	10.
%RSD	14.37	.9997	8.691	.4144	72.00	.5885

#1	-99.02	1104.	-4.038	56.15	k .1096	1637.
#2	-86.72	1097.	-3.443	55.99	k .1106	1647.
#3	-115.5	1119.	-3.539	56.45	k .0131	1656.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k .0467	27.95	k -.3272	k 6.037	k 108.3	402.7
Stddev	.0711	.05	.2417	.119	11.1	17.4
%RSD	152.2	.1754	73.86	1.975	10.23	4.326

#1	k -.0033	27.90	k -.6056	k 6.147	k 114.1	387.5
#2	k .1280	27.94	k -.2050	k 5.910	k 95.48	398.7
#3	k .0153	28.00	k -.1710	k 6.054	k 115.2	421.7

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	k 549.3	k 5.531	F 298600.	289.9	k 15.97	k 422.7
Stddev	4.6	.101	4410.	1.7	1.16	1.7
%RSD	.8453	1.829	1.477	.5899	7.239	.3927

#1	k 545.6	k 5.448	301200.	288.9	k 17.25	k 421.2
#2	k 554.5	k 5.644	293500.	289.0	k 14.99	k 422.5
#3	k 547.8	k 5.501	301200.	291.9	k 15.67	k 424.5

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111956-A-1-C DU Acquired: 4/13/2016 23:08:21 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k 9.059	k .0498	k 127.0	k 11.77	k 18.75	k 7.844
Stddev	1.248	.7927	.9	.10	.72	.269
%RSD	13.78	1591.	.6888	.8917	3.836	3.428
#1	k 7.708	k -.8264	k 126.2	k 11.89	k 19.41	k 7.895
#2	k 10.17	k .2586	k 127.0	k 11.72	k 18.85	k 7.554
#3	k 9.298	k .7173	k 127.9	k 11.69	k 17.99	k 8.085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	k .2842	^ *****	k .9413	k 2842.
Stddev	.1661	----	.0731	47.
%RSD	58.46	----	7.762	1.644
#1	k .4140	^ ----	k .8866	k 2836.
#2	k .0970	^ ----	k 1.024	k 2891.
#3	k .3415	^ ----	k .9131	k 2798.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3055.1	36956.	5614.8
Stddev	12.1	207.	92.9
%RSD	.39676	.55879	1.6541
#1	3060.2	37145.	5642.1
#2	3063.8	36987.	5691.0
#3	3041.3	36735.	5511.4

Sample Name: 460-111956-A-1-D MS Acquired: 4/13/2016 23:21:32 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	904.3	1982.	97.16	2043.	k 198.7	5567.
Stddev	21.7	21.	1.09	22.	2.5	71.
%RSD	2.396	1.045	1.119	1.059	1.240	1.270

#1	918.6	2005.	98.18	2068.	k 201.5	5648.
#2	914.9	1972.	97.27	2031.	k 198.0	5534.
#3	879.4	1967.	96.02	2030.	k 196.7	5518.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	204.6	234.1	1013.	k 210.3	k 305.2	k 4306.
Stddev	2.2	2.0	15.	2.8	13.6	47.
%RSD	1.091	.8699	1.464	1.347	4.460	1.092

#1	207.1	236.5	1030.	k 213.6	k 319.5	k 4361.
#2	203.3	232.8	1007.	k 208.9	k 303.5	k 4281.
#3	203.2	233.2	1002.	k 208.4	k 292.4	k 4277.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k 4430.	223.8	F 287700.	478.6	k 1009.	k 585.3
Stddev	41.	2.4	568.	4.2	8.	7.7
%RSD	.9177	1.061	.1973	.8772	.7993	1.318

#1	k 4477.	226.6	287700.	483.4	k 1018.	k 594.1
#2	k 4409.	222.6	288300.	476.3	k 1002.	k 579.5
#3	k 4404.	222.4	287100.	476.0	k 1007.	k 582.5

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111956-A-1-D MS Acquired: 4/13/2016 23:21:32 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k 215.5	k 204.8	k 227.5	k 225.3	k 224.0	k 210.7
Stddev	1.2	.4	2.3	1.5	2.1	1.8
%RSD	.5486	.1735	1.017	.6561	.9402	.8404

#1	k 215.6	k 204.7	k 230.1	k 227.0	k 226.3	k 212.7
#2	k 214.3	k 204.6	k 225.9	k 224.6	k 223.5	k 210.1
#3	k 216.7	k 205.2	k 226.4	k 224.3	k 222.2	k 209.3

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	k 195.2	^ *****	k 214.7	k 2753.
Stddev	1.9	----	1.7	48.
%RSD	.9697	----	.7685	1.736

#1	k 197.0	^ ----	k 216.6	k 2807.
#2	k 193.3	^ ----	k 213.7	k 2738.
#3	k 195.4	^ ----	k 213.7	k 2715.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3070.2	37257.	5664.0
Stddev	27.1	368.	42.5
%RSD	.88116	.98649	.75103

#1	3039.2	36846.	5626.4
#2	3089.2	37553.	5655.4
#3	3082.2	37372.	5710.2

Sample Name: 460-111957-A-1-B@5 Acquired: 4/13/2016 23:29:51 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	259.7	232.0	-3159	36.50	.0385	1207.
Stddev	10.3	1.7	.1674	.20	.0351	4.
%RSD	3.950	.7326	52.97	.5556	91.31	.3163

#1	249.7	234.0	-.4006	36.43	.0494	1203.
#2	270.2	231.3	-.4241	36.73	-.0008	1211.
#3	259.2	230.8	-.1232	36.34	.0668	1206.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0627	18.75	-.0881	11.05	165.4	801.8
Stddev	.0910	.19	.2257	.28	12.3	34.5
%RSD	145.2	1.000	256.0	2.537	7.453	4.309

#1	-.1515	18.73	.0054	11.34	173.5	764.5
#2	.0303	18.94	.0757	11.01	171.5	832.6
#3	-.0667	18.57	-.3455	10.78	151.2	808.5

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	2593.	7.024	F 289200.	144.2	6.738	390.4
Stddev	7.	.078	5887.	.8	.575	.9
%RSD	.2875	1.105	2.035	.5569	8.532	.2233

#1	2587.	7.095	289900.	143.3	6.865	391.4
#2	2601.	6.941	294800.	144.6	7.239	390.0
#3	2590.	7.038	283000.	144.7	6.110	389.8

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111957-A-1-B@5 Acquired: 4/13/2016 23:29:51 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.685	-.9136	592.8	471.2	21.52	82.72
Stddev	2.600	.6456	2.8	.5	.38	.30
%RSD	154.3	70.67	.4772	.1153	1.750	.3583
#1	1.183	-1.452	590.7	470.7	21.95	82.95
#2	4.499	-1.091	591.6	471.2	21.39	82.39
#3	-.6267	-.1977	596.0	471.8	21.24	82.83

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6690	-.31.17	11.74	4134.
Stddev	.8996	.40	.11	14.
%RSD	134.5	1.293	.9011	.3322
#1	1.314	-31.10	11.71	4139.
#2	1.051	-31.60	11.86	4119.
#3	-.3586	-30.81	11.66	4145.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3034.4	37533.	5568.5
Stddev	5.1	238.	47.8
%RSD	.16699	.63370	.85829
#1	3038.0	37662.	5590.5
#2	3036.5	37679.	5513.7
#3	3028.6	37259.	5601.3

Sample Name: 460-111960-B-1-C@5 Acquired: 4/13/2016 23:38:42 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	225.3	-7028	4620	132.2	-0606	135000.
Stddev	11.3	1.474	.4589	.6	.0452	28.
%RSD	5.036	209.8	99.34	.4417	74.63	.0207

#1	228.7	-.9649	-.0444	132.5	-.0092	135000.
#2	212.6	.8848	.8505	132.5	-.0780	134900.
#3	234.5	-2.028	.5798	131.5	-.0944	135000.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3408	2.912	-.7610	1.929	62.11	1966.
Stddev	.0169	.437	.2833	.322	7.94	28.
%RSD	4.955	15.01	37.23	16.67	12.79	1.448

#1	.3601	2.444	-.9340	1.573	64.48	1998.
#2	.3328	2.983	-.4340	2.013	68.60	1945.
#3	.3293	3.310	-.9151	2.200	53.25	1955.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5425.	444.4	F 300700.	8.992	-2.567	.5099
Stddev	37.	.2	1631.	.130	1.402	.8415
%RSD	.6743	.0528	.5422	1.443	54.62	165.0

#1	5410.	444.3	298900.	8.985	-3.818	-.3251
#2	5397.	444.6	302200.	9.125	-1.051	1.358
#3	5466.	444.2	301000.	8.866	-2.831	.4970

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111960-B-1-C@5 Acquired: 4/13/2016 23:38:42 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.392	-3.420	.4686	17.97	32.58	.4239
Stddev	.502	.882	.5421	.22	1.31	.0942
%RSD	21.00	25.80	115.7	1.206	4.021	22.22
#1	-2.299	-4.284	1.071	18.09	33.80	.4244
#2	-2.934	-2.521	.3162	18.10	32.73	.5178
#3	-1.942	-3.455	.0191	17.72	31.20	.3294

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2727	709.6	2.650	7290.
Stddev	.3107	1.3	.147	27.
%RSD	113.9	.1771	5.550	.3710
#1	.0550	709.7	2.687	7260.
#2	-.3100	708.3	2.775	7300.
#3	-.5631	710.8	2.488	7311.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3021.6	37779.	5745.1
Stddev	7.3	69.	14.7
%RSD	.24040	.18201	.25503
#1	3014.5	37858.	5733.9
#2	3021.4	37746.	5761.7
#3	3029.0	37733.	5739.6

Sample Name: CCVL Acquired: 4/13/2016 23:51:25 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	212.5	12.65	10.18	210.3	2.069	5227.
Stddev	9.0	1.28	.39	.5	.051	50.
%RSD	4.251	10.10	3.801	.2550	2.469	.9493

#1	219.7	14.06	9.744	210.5	2.021	5170.
#2	215.4	12.33	10.31	209.7	2.063	5254.
#3	202.4	11.56	10.48	210.7	2.123	5257.

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	4.223	53.36	10.36	25.67	175.9	4982.
Stddev	.123	.17	.17	.03	6.2	34.
%RSD	2.900	.3208	1.649	.1143	3.539	.6898

#1	4.100	53.50	10.34	25.64	172.2	4943.
#2	4.345	53.17	10.55	25.68	172.5	5008.
#3	4.225	53.42	10.21	25.69	183.1	4996.

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	5047.	16.54	4988.	42.83	12.09	20.40
Stddev	44.	.07	6.	.38	1.08	1.29
%RSD	.8780	.3930	.1252	.8979	8.939	6.297

#1	4997.	16.59	4990.	43.02	10.85	21.89
#2	5061.	16.46	4981.	42.38	12.62	19.67
#3	5083.	16.55	4993.	43.08	12.82	19.66

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/13/2016 23:51:25 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.80	24.01	52.22	32.43	49.03	19.82
Stddev	2.92	.98	.30	.37	.77	.05
%RSD	15.55	4.083	.5834	1.127	1.560	.2551

#1	22.15	23.44	52.25	32.02	49.91	19.86
#2	16.72	25.14	51.90	32.71	48.53	19.76
#3	17.55	23.45	52.51	32.57	48.66	19.84

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	50.61	21.31	21.21	F 14.62
Stddev	.47	.11	.11	5.09
%RSD	.9358	.5380	.5088	34.81

#1	51.15	21.34	21.16	16.51
#2	50.28	21.42	21.34	18.49
#3	50.39	21.19	21.15	8.853

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	3190.4	39266.	5658.6
Stddev	13.1	333.	97.1
%RSD	.40979	.84801	1.7168

#1	3205.5	39644.	5770.6
#2	3182.3	39142.	5607.2
#3	3183.3	39014.	5597.9

Sample Name: CCB Acquired: 4/13/2016 23:47:04 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.696	-1.134	.3133	.2050	.0205	8.548
Stddev	9.965	1.913	.2306	.0605	.0037	3.003
%RSD	129.5	168.7	73.61	29.50	18.28	35.13
#1	1.862	.0410	.0601	.1363	.0189	7.936
#2	-6.925	-3.341	.3683	.2503	.0248	11.81
#3	-18.02	-.1009	.5114	.2283	.0179	5.898

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0616	.1410	-.4344	1.051	-4.793	7.878
Stddev	.0605	.1264	.4022	.384	5.562	26.89
%RSD	98.26	89.60	92.59	36.57	116.1	341.3
#1	-.0387	.0150	-.1555	1.450	.4708	29.62
#2	-.0159	.2677	-.8954	1.017	-4.238	-22.19
#3	-.1302	.1404	-.2522	.6840	-10.61	16.21

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.115	.2236	47.51	.3500	-.2354	.8762
Stddev	6.188	.2675	9.55	.3268	2.004	1.072
%RSD	76.26	119.6	20.10	93.37	851.5	122.4
#1	14.00	.5235	57.41	.5008	-.5907	1.424
#2	8.691	.0097	38.35	-.0250	-2.038	-.3594
#3	1.659	.1376	46.76	.5743	1.923	1.564

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/13/2016 23:47:04 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.833	-.5374	-.2355	-.2035	-.0584	.3760
Stddev	.983	1.442	.2969	.1233	.5282	.4297
%RSD	34.70	268.4	126.1	60.58	904.1	114.3
#1	-3.243	.0031	.1019	-.1955	.4942	.8605
#2	-1.711	.5565	-.3511	-.0844	-.5583	.0413
#3	-3.544	-2.172	-.4572	-.3305	-.1112	.2262

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6345	.0567	.6748	2.133
Stddev	.4665	.1404	.4543	11.81
%RSD	73.52	247.5	67.32	553.6
#1	.8648	.2167	1.199	-8.666
#2	.0976	-.0002	.4174	14.74
#3	.9411	-.0463	.4077	.3244

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	3205.1	39959.	5737.4
Stddev	9.1	118.	14.8
%RSD	.28374	.29481	.25790
#1	3213.1	39874.	5724.2
#2	3207.0	39909.	5734.6
#3	3195.2	40093.	5753.4

Sample Name: 460-111961-B-1-H@5 Acquired: 4/13/2016 23:55:42 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	140.7	1.628	.2605	96.00	.1278	20450.
Stddev	9.9	2.362	.1607	.96	.0345	80.
%RSD	7.056	145.1	61.68	.9953	26.98	.3927

#1	139.9	-.4160	.0830	95.40	.1626	20490.
#2	151.0	1.087	.3027	95.50	.0936	20360.
#3	131.2	4.213	.3960	97.10	.1273	20500.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6063	6.968	.2614	13.26	353.7	997.1
Stddev	.0894	.183	.2318	.27	8.0	57.0
%RSD	14.74	2.623	88.68	2.007	2.270	5.715

#1	.7011	6.868	.0231	12.96	344.6	933.9
#2	.5941	7.179	.2751	13.45	356.9	1013.
#3	.5236	6.856	.4860	13.38	359.7	1045.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3215.	353.0	F 301300.	13.69	128.3	.9316
Stddev	22.	1.3	2223.	.06	3.2	1.974
%RSD	.6860	.3814	.7378	.4457	2.530	211.9

#1	3190.	352.0	298700.	13.76	125.5	2.537
#2	3230.	352.5	302500.	13.66	127.7	-1.273
#3	3227.	354.5	302700.	13.64	131.9	1.531

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111961-B-1-H@5 Acquired: 4/13/2016 23:55:42 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.843	-1.306	.7296	202.4	22.64	-.0667
Stddev	.587	1.535	.4109	2.2	.60	.1239
%RSD	31.83	117.6	56.32	1.110	2.645	185.8
#1	-2.491	-.3894	.3195	200.4	21.97	.0673
#2	-1.349	-3.078	1.141	201.8	22.83	-.1772
#3	-1.689	-.4502	.7280	204.8	23.12	-.0902

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2357	89.27	2.223	1028.
Stddev	.7923	1.19	.226	12.
%RSD	336.1	1.330	10.16	1.158
#1	-.6435	88.04	2.458	1027.
#2	.4563	89.35	2.008	1017.
#3	.8944	90.41	2.202	1041.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3072.4	37943.	5597.6
Stddev	14.8	188.	35.1
%RSD	.48240	.49543	.62693
#1	3083.6	37784.	5557.3
#2	3077.9	38150.	5621.5
#3	3055.6	37893.	5614.0

Sample Name: 460-111961-B-2-F@5 Acquired: 4/14/2016 0:00:07 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	190.3	1.219	.2931	181.1	.1372	48000.
Stddev	7.5	.570	.5898	.4	.0540	203.
%RSD	3.914	46.75	201.2	.2126	39.35	.4233

#1	191.3	1.604	-.3781	180.8	.0794	47850.
#2	182.4	1.488	.5292	181.5	.1862	47920.
#3	197.2	.5641	.7283	180.9	.1459	48230.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6170	6.326	-.3567	3.952	2567.	1434.
Stddev	.0279	.308	.3084	.569	17.	40.
%RSD	4.514	4.873	86.45	14.39	.6571	2.806

#1	.6489	5.971	-.2172	3.552	2580.	1392.
#2	.6049	6.489	-.1427	3.700	2548.	1473.
#3	.5972	6.520	-.7101	4.603	2573.	1436.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3646.	744.5	F 295700.	14.05	29.32	2.013
Stddev	35.	3.1	1374.	.81	2.58	1.085
%RSD	.9583	.4142	.4648	5.757	8.803	53.88

#1	3639.	741.2	297200.	14.98	32.04	1.587
#2	3614.	745.0	295300.	13.50	26.90	1.206
#3	3683.	747.3	294500.	13.68	29.03	3.246

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111961-B-2-F@5 Acquired: 4/14/2016 0:00:07 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7355	-.4781	.7520	250.4	22.16	-.2357
Stddev	1.180	1.576	.2329	.6	.11	.1038
%RSD	160.4	329.7	30.97	.2524	.5109	44.04
#1	-1.806	-.2391	.6609	250.4	22.03	-.2221
#2	.5298	.9651	.5784	251.1	22.19	-.3457
#3	-.9306	-2.160	1.017	249.8	22.25	-.1394

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4132	281.4	2.473	3044.
Stddev	1.042	1.3	.153	35.
%RSD	252.1	.4553	6.173	1.137
#1	-.3101	280.3	2.484	3011.
#2	-1.503	281.0	2.316	3080.
#3	.5731	282.8	2.621	3040.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3043.3	38039.	5695.7
Stddev	22.5	69.	5.3
%RSD	.73835	.18208	.09349
#1	3059.4	38051.	5692.6
#2	3053.0	38101.	5692.6
#3	3017.7	37964.	5701.8

Sample Name: 460-111961-B-3-F@5 Acquired: 4/14/2016 0:04:35 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.52	.5839	.6767	7.804	-.1045	924.1
Stddev	25.06	.1393	.2693	7.049	.0519	1239.
%RSD	217.5	23.86	39.80	90.32	49.63	134.1
#1	-2.418	.6465	.7888	.1230	-.1088	-35.74
#2	-3.473	.4243	.3694	9.313	-.1541	485.4
#3	40.45	.6810	.8719	13.98	-.0506	2323.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0419	.4369	-.5891	-3.454	-4.835	14.16
Stddev	.0450	.1683	.3253	.597	6.838	59.88
%RSD	107.4	38.53	55.23	17.28	141.4	422.9
#1	.0206	.2610	-.3795	-3.871	-12.65	-41.07
#2	.0115	.4533	-.9639	-3.721	-1.880	5.740
#3	.0936	.5965	-.4238	-2.770	.0284	77.81

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	155.8	20.08	^ *****	.1576	-.9930	-.0542
Stddev	201.0	26.16	-----	.3956	1.029	.6911
%RSD	129.0	130.3	-----	251.0	103.7	1274.
#1	-.7238	-.1341	19.97	-.2125	-2.015	-.5343
#2	85.71	10.75	69.39	.1107	.0437	.7378
#3	382.5	49.63	^ -----	.5746	-1.008	-.3662

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-111961-B-3-F@5 Acquired: 4/14/2016 0:04:35 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.400	4.052	.0882	20.12	-1.868	-.4734
Stddev	1.201	.960	.0486	18.36	1.267	.1742
%RSD	22.25	23.70	55.12	91.28	67.84	36.80
#1	-6.589	4.797	.0776	.1327	-3.164	-.6224
#2	-5.424	2.968	.1412	23.98	-1.811	-.5160
#3	-4.186	4.390	.0457	36.24	-.6307	-.2818

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.384	4.138	-.1408	12.69
Stddev	.354	7.129	.3062	63.44
%RSD	25.54	172.3	217.4	499.8
#1	-1.769	.0185	-.4415	-22.68
#2	-1.074	.0260	-.1516	-25.17
#3	-1.310	12.37	.1706	85.93

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6791.4	83567.	9526.7
Stddev	454.3	6225.	604.6
%RSD	6.6898	7.4486	6.3458
#1	7276.1	90409.	9968.2
#2	6722.9	82054.	9774.3
#3	6375.2	78239.	8837.7

Sample Name: 460-111961-A-4-C@5 Acquired: 4/14/2016 0:08:41 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	181.6	-1.909	.1343	148.7	.1524	26850.
Stddev	4.7	3.073	.4188	.7	.0197	100.
%RSD	2.577	161.0	311.9	.4840	12.93	.3719
#1	186.6	-3.899	-.3377	149.0	.1719	26940.
#2	177.3	-3.459	.4616	149.2	.1527	26880.
#3	180.9	1.630	.2788	147.9	.1325	26740.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5739	5.479	.2848	3.443	3576.	1241.
Stddev	.1377	.159	.1473	.055	32.	41.
%RSD	23.99	2.910	51.72	1.609	.8913	3.288
#1	.7306	5.626	.4266	3.412	3568.	1213.
#2	.5192	5.502	.2952	3.411	3611.	1222.
#3	.4720	5.309	.1326	3.507	3548.	1288.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3313.	860.1	F 299400.	18.67	190.5	2.240
Stddev	18.	4.0	5853.	.18	4.3	.923
%RSD	.5443	.4644	1.955	.9872	2.246	41.21
#1	3325.	863.2	293100.	18.86	193.8	2.862
#2	3321.	861.5	304800.	18.49	192.0	2.679
#3	3292.	855.6	300300.	18.68	185.7	1.179

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-111961-A-4-C@5 Acquired: 4/14/2016 0:08:41 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6693	-.1908	.7611	174.5	19.59	-.3592
Stddev	3.274	2.126	.1828	1.6	.49	.1231
%RSD	489.1	1114.	24.01	.9365	2.506	34.27
#1	2.276	-2.390	.8674	175.1	19.75	-.3441
#2	-4.194	-.0365	.5501	175.7	19.98	-.2443
#3	-.0900	1.854	.8660	172.6	19.04	-.4891

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0314	140.9	2.269	1550.
Stddev	.4179	1.2	.058	28.
%RSD	1332.	.8297	2.550	1.808
#1	-.5045	141.5	2.284	1558.
#2	.2878	139.6	2.205	1573.
#3	.1226	141.7	2.317	1519.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3053.9	38045.	5646.7
Stddev	8.2	149.	39.2
%RSD	.26914	.39278	.69498
#1	3063.2	38216.	5683.3
#2	3047.6	37941.	5651.5
#3	3050.8	37978.	5605.2

Sample Name: LB 460-362182/1-B@5 Acquired: 4/14/2016 0:12:49 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.210	-3.361	.2480	-.0131	-.0097	18.93
Stddev	5.537	1.118	.3686	.0977	.0421	2.35
%RSD	250.5	33.28	148.6	744.0	432.4	12.40
#1	-6.144	-3.011	.6732	.0891	.0074	16.83
#2	-4.607	-4.613	.0196	-.1055	-.0577	21.47
#3	4.122	-2.459	.0511	-.0230	.0211	18.50

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1376	-.1318	-.2453	.8771	-5.544	59.57
Stddev	.0514	.0954	.2032	.2169	5.948	33.03
%RSD	37.35	72.43	82.82	24.73	107.3	55.45
#1	-.1488	-.1732	-.3747	1.120	1.283	43.87
#2	-.1825	-.0226	-.0111	.8085	-9.614	37.32
#3	-.0815	-.1995	-.3502	.7028	-8.300	97.52

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.831	.0010	^ *****	.8605	-.1315	.2967
Stddev	4.051	.0490	-----	.1574	.1305	.7394
%RSD	105.7	4710.	-----	18.29	99.28	249.2
#1	4.840	.0284	^ -----	1.017	-.2810	.7090
#2	-.6295	-.0555	304300.	.7025	-.0406	-.5569
#3	7.282	.0302	302600.	.8618	-.0728	.7380

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LB 460-362182/1-B@5 Acquired: 4/14/2016 0:12:49 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0446	-.8594	.2891	2.344	1.629	-.5853
Stddev	2.406	1.365	.1922	.304	.398	.1141
%RSD	5393.	158.8	66.47	12.96	24.41	19.49
#1	2.451	.2144	.0703	2.381	1.593	-.6375
#2	-2.350	-.3974	.3667	2.628	1.251	-.4545
#3	-.2348	-2.395	.4303	2.024	2.043	-.6640

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1659	-.0770	-.0064	29.54
Stddev	.6674	.0397	.1796	11.10
%RSD	402.3	51.59	2802.	37.59
#1	-.4084	-.0961	-.0536	29.88
#2	.0080	-.0313	-.1577	18.27
#3	.8981	-.1035	.1921	40.47

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3050.2	37857.	5620.2
Stddev	2.3	155.	20.7
%RSD	.07628	.40899	.36865
#1	3049.6	37681.	5597.6
#2	3048.2	37973.	5638.3
#3	3052.8	37917.	5624.8

Sample Name: LCS 460-362058/2-A@2 Acquired: 4/14/2016 0:21:04 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2423.	2297.	243.4	4994.	k 492.5	9706.
Stddev	30.	7.	.6	10.	4.5	18.
%RSD	1.228	.3111	.2422	.1948	.9194	.1900

#1	2390.	2297.	244.1	4990.	k 487.2	9691.
#2	2447.	2290.	242.9	4986.	495.1	9701.
#3	2432.	2304.	243.3	5005.	495.0	9727.

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	514.0	528.1	2462.	k 489.7	k 486.5	k 9330.
Stddev	1.6	1.3	7.	.4	10.2	64.
%RSD	.3180	.2432	.2740	.0734	2.090	.6906

#1	513.0	527.2	2458.	k 489.3	k 493.2	k 9258.
#2	513.2	527.6	2458.	489.8	474.8	9381.
#3	515.9	529.6	2470.	490.0	491.5	9352.

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	k 9489.	525.6	9533.	k 529.8	k 2531.	k 476.7
Stddev	20.	1.4	76.	1.2	10.	5.5
%RSD	.2078	.2625	.7984	.2247	.3859	1.164

#1	k 9498.	525.0	9446.	k 529.6	k 2521.	k 470.9
#2	9467.	524.6	9584.	528.7	2531.	477.5
#3	9503.	527.2	9570.	531.1	2541.	481.9

Check ?	None	None	None	Chk Pass	Chk Pass	None
Value						
Range						

Sample Name: LCS 460-362058/2-A@2 Acquired: 4/14/2016 0:21:04 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	k 487.3	k 536.6	k 256.4	k 532.9	k 499.9	k 510.2
Stddev	2.0	6.6	2.3	4.5	6.3	4.8
%RSD	.4182	1.232	.8924	.8427	1.254	.9449

#1	k 485.7	k 533.3	k 257.3	k 528.3	k 505.6	k 506.4
#2	486.7	532.2	253.7	533.1	493.2	508.5
#3	489.6	544.2	258.0	537.3	501.0	515.6

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	k 496.4	^ *****	k 507.8	k 39.02
Stddev	5.1	----	1.3	18.20
%RSD	1.031	----	.2520	46.65

#1	k 491.1	^ ----	k 507.5	k 57.08
#2	496.8	498.6	506.7	20.68
#3	501.3	499.3	509.2	39.29

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	3144.9	39450.	5718.8
Stddev	1.5	185.	28.8
%RSD	.04923	.46834	.50317

#1	3146.6	39453.	5692.7
#2	3144.7	39264.	5714.0
#3	3143.5	39633.	5749.7

Sample Name: 460-111840-J-16-C DU Acquired: 4/14/2016 0:24:49 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36.41	1.381	.6725	33.00	-.0623	16240.
Stddev	15.70	2.180	.5301	.20	.0663	65.
%RSD	43.13	157.9	78.83	.5988	106.5	.3993
#1	18.30	3.731	1.272	32.83	-.1248	16200.
#2	46.18	.9883	.2649	32.96	.0073	16200.
#3	44.75	-.5765	.4808	33.22	-.0693	16310.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0662	.1369	.1351	2.175	471.9	9979.
Stddev	.0347	.0990	.3618	.167	3.5	170.
%RSD	52.49	72.29	267.8	7.685	.7477	1.700
#1	-.0262	.0253	.1031	2.157	467.9	9783.
#2	-.0834	.1713	.5119	2.351	474.8	10060.
#3	-.0889	.2141	-.2096	2.018	472.8	10090.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2554.	145.9	^ *****	4.428	-.2363	.4879
Stddev	6.	.2	-----	.222	2.667	.6432
%RSD	.2490	.1420	-----	5.022	1128.	131.8
#1	2559.	145.6	^ -----	4.277	-.0875	.1143
#2	2557.	146.0	226200.	4.683	-2.975	1.231
#3	2547.	146.0	223700.	4.324	2.353	.1190

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111840-J-16-C DU Acquired: 4/14/2016 0:24:49 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {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	1.742	1.052	3.725	30.71	1.456
Stddev	2.043	.632	.060	.115	.24	.177
%RSD	114.8	36.30	5.668	3.088	.7655	12.16
#1	-2.957	2.132	1.120	3.783	30.77	1.654
#2	-2.962	2.081	1.026	3.800	30.44	1.401
#3	.5791	1.012	1.009	3.593	30.90	1.312

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1209	149.2	1.747	975.6
Stddev	.6736	1.3	.223	28.3
%RSD	557.4	.9014	12.78	2.899
#1	.6217	147.7	1.503	942.9
#2	-.6928	150.0	1.941	991.3
#3	-.2915	150.1	1.796	992.4

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	3065.1	38155.	5712.3
Stddev	9.1	111.	35.0
%RSD	.29688	.29112	.61297
#1	3074.1	38224.	5714.6
#2	3065.3	38215.	5676.2
#3	3055.9	38027.	5746.2

Sample Name: sd 460-111840-J-16-B Acquired: 4/14/2016 0:33:04 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.478	-1.571	.2618	6.318	-.0967	3197.
Stddev	4.581	.808	.1299	.147	.0696	8.
%RSD	184.9	51.47	49.61	2.324	71.99	.2395
#1	2.756	-.7254	.2371	6.419	-.1407	3189.
#2	-5.757	-1.650	.4022	6.384	-.0164	3204.
#3	-4.432	-2.336	.1460	6.149	-.1330	3199.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0261	.1178	-.3516	.5294	92.99	1958.
Stddev	.0212	.2366	.0799	.2495	5.96	38.
%RSD	81.11	200.9	22.73	47.12	6.408	1.941
#1	-.0453	-.0468	-.2828	.4404	94.08	1918.
#2	-.0296	.3889	-.4393	.8111	86.56	1993.
#3	-.0034	.0112	-.3328	.3366	98.33	1962.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	504.7	28.53	44380.	1.305	.3489	.2185
Stddev	2.6	.12	319.	.108	1.328	.6970
%RSD	.5195	.4142	.7182	8.273	380.6	319.0
#1	507.3	28.56	44020.	1.430	-1.024	-.3243
#2	504.6	28.63	44460.	1.247	.4436	-.0247
#3	502.1	28.40	44650.	1.239	1.627	1.004

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-111840-J-16-B Acquired: 4/14/2016 0:33:04 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.327	-.3072	.0854	1.235	5.245	-.4246
Stddev	.367	.9859	.4633	.134	.513	.1359
%RSD	6.887	320.9	542.2	10.88	9.779	32.01
#1	-4.957	-.1749	.6187	1.083	4.658	-.2742
#2	-5.690	.6058	-.1448	1.287	5.606	-.5387
#3	-5.334	-1.353	-.2176	1.337	5.472	-.4610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1170	29.90	.2342	197.0
Stddev	.4622	.35	.0919	10.0
%RSD	395.0	1.180	39.26	5.072
#1	-.2860	29.49	.2877	186.1
#2	-.4710	30.15	.1280	199.4
#3	.4059	30.04	.2868	205.6
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	3130.3	38950.	5648.5
Stddev	3.3	95.	41.0
%RSD	.10636	.24318	.72671
#1	3132.3	39049.	5693.6
#2	3126.5	38942.	5638.6
#3	3132.3	38860.	5613.3

Sample Name: CCB Acquired: 4/14/2016 0:40:53 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.663	-2.099	.6119	.3795	.0098	1.624
Stddev	.468	1.544	.1650	.0749	.1179	4.325
%RSD	12.78	73.58	26.96	19.72	1202.	266.3
#1	3.423	-3.877	.5430	.4067	.1344	-.3302
#2	4.202	-1.321	.4925	.4370	-.0051	6.581
#3	3.363	-1.098	.8002	.2949	-.0999	-1.378

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0344	.2058	.1135	.8474	1.375	-4.802
Stddev	.1510	.0579	.2876	.0898	13.89	16.70
%RSD	439.2	28.11	253.4	10.60	1010.	347.9
#1	.0264	.1520	-.1633	.8240	8.579	.1140
#2	.0768	.2670	.4108	.9467	-14.64	-23.41
#3	-.2063	.1984	.0930	.7717	10.19	8.893

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.084	.1665	49.00	.0281	-.5869	.5299
Stddev	6.233	.0619	11.90	.4957	2.295	.5341
%RSD	152.6	37.15	24.28	1762.	391.0	100.8
#1	6.985	.2349	62.26	-.3734	1.600	.3650
#2	-3.071	.1143	45.48	-.1242	-.3840	1.127
#3	8.339	.1505	39.25	.5821	-2.977	.0977

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/14/2016 0:40:53 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.374	-.3610	-.4327	.0066	.0303	.4393
Stddev	.413	.7555	.0612	.1210	.2191	.4845
%RSD	17.42	209.3	14.15	1837.	723.3	110.3
#1	-2.003	-1.228	-.3697	-.0883	.2748	.9164
#2	-2.300	.1587	-.4921	.1429	-.1485	.4535
#3	-2.820	-.0141	-.4364	-.0349	-.0354	-.0522

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1392	.1417	.6583	12.27
Stddev	.3062	.0792	.2823	15.12
%RSD	220.0	55.90	42.88	123.2
#1	-.1658	.1301	.8092	-4.806
#2	.4466	.0690	.8331	17.66
#3	.1368	.2261	.3327	23.96

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	3133.2	38823.	5609.9
Stddev	8.4	178.	48.4
%RSD	.26917	.45785	.86303
#1	3123.7	38993.	5665.7
#2	3136.0	38837.	5584.8
#3	3139.9	38639.	5579.2

Sample Name: 460-111840-J-16-D MS Acquired: 4/14/2016 0:48:57 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1050.	987.2	104.2	2105.	209.1	20220.
Stddev	22.	.4	.4	2.	2.3	19.
%RSD	2.088	.0399	.3605	.0757	1.109	.0957
#1	1025.	987.6	104.2	2103.	206.7	20200.
#2	1065.	987.2	104.6	2106.	211.4	20230.
#3	1059.	986.9	103.9	2106.	209.1	20230.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	214.7	219.0	1030.	210.6	678.1	14010.
Stddev	.8	1.2	2.	.8	9.2	182.
%RSD	.3797	.5594	.2331	.3675	1.356	1.302
#1	215.3	219.6	1028.	209.9	687.9	13800.
#2	215.0	219.8	1030.	211.5	676.5	14140.
#3	213.8	217.6	1033.	210.5	669.7	14080.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6580.	361.0	231800.	223.2	1048.	201.8
Stddev	19.	.3	2249.	1.0	5.	1.3
%RSD	.2858	.0934	.9703	.4526	.4522	.6288
#1	6597.	361.2	229400.	223.4	1051.	202.1
#2	6560.	360.6	233900.	224.1	1051.	202.8
#3	6583.	361.2	232100.	222.1	1043.	200.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111840-J-16-D MS Acquired: 4/14/2016 0:48:57 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	207.1	219.0	110.5	226.0	238.9	214.2
Stddev	.6	2.1	.9	1.8	1.4	1.1
%RSD	.2907	.9651	.8332	.7811	.5756	.5004
#1	207.1	221.3	109.6	226.3	238.1	214.4
#2	207.7	218.5	110.6	227.6	240.5	215.1
#3	206.5	217.2	111.4	224.1	238.1	213.0

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	206.7	357.1	220.1	1005.
Stddev	2.3	3.5	3.0	23.
%RSD	1.110	.9694	1.352	2.293
#1	207.1	353.2	220.3	989.5
#2	208.7	359.7	217.1	993.8
#3	204.2	358.5	223.0	1031.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3069.2	38284.	5675.6
Stddev	3.4	56.	43.1
%RSD	.11183	.14637	.75968
#1	3068.9	38349.	5696.1
#2	3072.8	38248.	5626.0
#3	3065.9	38256.	5704.5

Sample Name: 460-111840-J-16-B@5 Acquired: 4/14/2016 0:28:56 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29.15	.5661	.2152	32.45	.0100	16400.
Stddev	5.88	1.217	.4298	.28	.0464	46.
%RSD	20.17	215.0	199.7	.8606	466.3	.2791
#1	32.85	1.555	.3830	32.70	-.0342	16420.
#2	32.23	.9364	-.2732	32.51	.0584	16430.
#3	22.37	-.7931	.5357	32.15	.0057	16350.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0224	.3729	.2882	2.115	482.8	10070.
Stddev	.0578	.2224	.5288	.153	12.4	29.
%RSD	257.4	59.65	183.5	7.209	2.576	.2868
#1	-.0205	.5022	.8540	2.122	490.2	10050.
#2	.0881	.1161	.2040	2.264	489.8	10110.
#3	-.0003	.5004	-.1935	1.960	468.4	10060.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2570.	147.1	224500.	4.912	-1.665	.4787
Stddev	14.	.8	3622.	.334	.972	.8951
%RSD	.5304	.5534	1.613	6.797	58.36	187.0
#1	2566.	146.8	226100.	4.551	-.9967	1.506
#2	2585.	148.0	227100.	5.210	-2.779	-.1329
#3	2558.	146.4	220400.	4.975	-1.218	.0629

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111840-J-16-B@5 Acquired: 4/14/2016 0:28:56 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.398	1.183	1.045	3.576	29.17	1.203
Stddev	1.150	1.423	.041	.089	.30	.115
%RSD	47.97	120.3	3.930	2.484	1.021	9.526
#1	-2.404	-1.983	1.005	3.494	29.51	1.268
#2	-1.245	1.104	1.043	3.564	29.07	1.271
#3	-3.546	2.644	1.087	3.671	28.94	1.071

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1418	149.3	1.572	958.2
Stddev	.7157	2.2	.160	11.1
%RSD	504.8	1.506	10.16	1.154
#1	-.6732	150.6	1.560	948.4
#2	.4305	150.5	1.737	956.0
#3	.6680	146.7	1.418	970.1

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	3063.4	37696.	5615.1
Stddev	13.8	128.	65.7
%RSD	.44946	.33848	1.1706
#1	3050.5	37654.	5554.4
#2	3061.7	37595.	5605.9
#3	3077.9	37839.	5684.9

Sample Name: MB 460-361840/1-A@2 Acquired: 4/14/2016 1:00:45 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-8.376	-1.570	.5228	-.0043	.0005	.2693
Stddev	15.10	1.778	.2433	.1043	.0776	1.639
%RSD	180.3	113.2	46.53	2435.	14910.	608.6
#1	-15.46	-2.990	.5510	-.1173	-.0629	.3972
#2	8.965	-2.144	.2666	.0881	-.0226	1.841
#3	-18.64	.4235	.7506	.0164	.0871	-1.430

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0367	.0496	-.5448	-.0658	-5.115	2.347
Stddev	.0212	.1119	.4591	.1236	2.392	25.22
%RSD	57.82	225.5	84.28	187.8	46.77	1074.
#1	-.0396	-.0436	-.0397	.0495	-7.337	-26.05
#2	-.0563	.0188	-.9369	-.0506	-5.423	10.93
#3	-.0142	.1736	-.6577	-.1964	-2.583	22.15

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	.6908	.0356	43.97	.0705	-1.379	.8321
Stddev	2.132	.0601	6.06	.4115	.788	1.157
%RSD	308.5	168.7	13.78	583.9	57.16	139.1
#1	2.997	-.0333	47.37	-.1650	-.6123	-.2908
#2	-1.207	.0627	36.98	.5456	-1.338	2.021
#3	.2819	.0775	47.57	-.1692	-2.188	.7666

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-361840/1-A@2 Acquired: 4/14/2016 1:00:45 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6594	-.9069	-.2335	.4923	-.4049	-.3327
Stddev	2.245	.9715	.4051	.2904	.2853	.1308
%RSD	340.5	107.1	173.5	59.00	70.46	39.33
#1	-2.660	-.9291	.0394	.3837	-.3017	-.3217
#2	-1.087	-1.867	-.6989	.2717	-.1855	-.2076
#3	1.769	.0755	-.0408	.8213	-.7274	-.4686

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2353	-.0456	-.1288	12.99
Stddev	.7423	.0623	.2517	8.18
%RSD	315.5	136.8	195.4	62.94
#1	-.4925	.0262	.0189	12.71
#2	.6014	-.0763	.0141	21.31
#3	-.8147	-.0866	-.4194	4.960

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	3125.6	38753.	5598.0
Stddev	6.1	58.	18.0
%RSD	.19381	.14947	.32072
#1	3125.2	38686.	5577.5
#2	3119.8	38788.	5605.1
#3	3131.9	38786.	5611.3

Sample Name: 460-111474-C-1-D@4 Acquired: 4/14/2016 1:12:28 Type: Unk

Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7550.	30.49	.5284	90.14	.7416	1739.
Stddev	31.	.51	.1698	.51	.0757	6.
%RSD	.4145	1.686	32.12	.5696	10.21	.3257

#1	7519.	31.08	.5628	89.64	.8143	1734.
#2	7549.	30.26	.6784	90.11	.6632	1745.
#3	7582.	30.14	.3441	90.67	.7473	1738.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7456	12.12	31.69	21.34	48710.	1310.
Stddev	.0522	.43	.14	.16	177.	23.
%RSD	7.005	3.549	.4276	.7723	.3637	1.751

#1	-.7373	11.98	31.71	21.36	48510.	1298.
#2	-.6980	11.78	31.54	21.17	48820.	1336.
#3	-.8014	12.61	31.81	21.50	48810.	1295.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3059.	813.4	703.1	24.88	255.0	2.294
Stddev	19.	3.4	4.8	.67	2.3	.928
%RSD	.6316	.4165	.6768	2.708	.8930	40.47

#1	3037.	809.5	704.1	24.25	252.8	1.684
#2	3074.	815.1	698.0	25.59	254.8	3.362
#3	3064.	815.6	707.3	24.80	257.4	1.835

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111474-C-1-D@4 Acquired: 4/14/2016 1:12:28 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.613	-.3241	42.71	225.6	13.21	1.937
Stddev	1.005	1.096	.41	2.3	.28	.146
%RSD	38.46	338.2	.9517	1.033	2.137	7.555
#1	1.472	.7160	42.26	223.0	12.91	1.838
#2	3.367	-.2199	43.05	226.5	13.24	1.868
#3	2.999	-1.468	42.81	227.4	13.47	2.105

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10.87	40.97	293.3	677.2
Stddev	.48	.34	.8	17.3
%RSD	4.440	.8346	.2602	2.551
#1	11.41	40.93	292.4	657.5
#2	10.74	40.65	293.6	684.5
#3	10.47	41.33	293.9	689.6

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	3139.8	39224.	5677.3
Stddev	3.3	166.	42.8
%RSD	.10500	.42411	.75320
#1	3136.0	39079.	5644.1
#2	3141.9	39187.	5725.6
#3	3141.5	39406.	5662.2

Sample Name: sd 460-111474-C-1-D Acquired: 4/14/2016 1:16:24 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1448.	4.852	.2704	17.62	.0951	353.7
Stddev	16.	2.143	.7017	.14	.0646	4.9
%RSD	1.077	44.17	259.5	.8076	67.99	1.379
#1	1435.	6.938	.3927	17.55	.1180	348.9
#2	1465.	4.961	.9029	17.54	.1451	353.6
#3	1444.	2.656	-.4845	17.79	.0221	358.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2780	2.636	5.911	4.609	9800.	262.7
Stddev	.1400	.048	.214	.486	176.	.3
%RSD	50.34	1.804	3.613	10.55	1.791	.1114
#1	-.2304	2.689	5.891	4.114	9721.	263.0
#2	-.1680	2.620	5.707	4.626	9677.	262.7
#3	-.4355	2.597	6.133	5.086	10000.	262.4

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	608.3	164.9	142.0	5.171	50.12	2.288
Stddev	7.1	2.6	5.9	.251	.63	.268
%RSD	1.166	1.569	4.131	4.852	1.252	11.71
#1	607.0	164.3	135.2	5.384	49.52	2.597
#2	602.0	162.7	146.0	4.894	50.07	2.120
#3	616.0	167.8	144.7	5.236	50.77	2.147

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-111474-C-1-D Acquired: 4/14/2016 1:16:24 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.195	-3.093	8.700	45.55	1.971	-0.0508
Stddev	.903	1.482	.522	.82	.638	.1133
%RSD	75.62	479.0	6.001	1.810	32.40	223.2
#1	-2.226	1.011	9.166	44.69	2.192	-.0974
#2	-.8144	-.0275	8.136	45.64	1.251	-.1334
#3	-.5439	-1.912	8.799	46.33	2.469	.0784

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.800	7.986	58.13	136.7
Stddev	1.025	.081	1.19	14.5
%RSD	56.93	1.017	2.044	10.60
#1	2.824	7.918	57.64	130.2
#2	1.801	8.076	57.26	153.3
#3	.7747	7.966	59.48	126.5

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	3163.0	39202.	5745.8
Stddev	18.5	195.	54.0
%RSD	.58621	.49666	.93922
#1	3177.5	39364.	5723.5
#2	3169.5	39256.	5706.7
#3	3142.1	38986.	5807.4

Sample Name: 460-111474-C-1-F MS Acquired: 4/14/2016 1:20:25 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11010.	1005.	25.71	1117.	27.82	11500.
Stddev	165.	1.	.52	5.	.43	102.
%RSD	1.498	.1005	2.032	.4068	1.534	.8870

#1	10830.	1004.	25.54	1118.	27.42	11570.
#2	11150.	1005.	26.30	1112.	28.27	11550.
#3	11040.	1006.	25.30	1121.	27.77	11390.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25.02	284.3	171.3	179.9	83150.	11170.
Stddev	.04	1.0	.4	.6	430.	81.
%RSD	.1467	.3636	.2134	.3352	.5171	.7213

#1	24.99	284.7	171.6	180.5	83070.	11090.
#2	25.00	283.1	171.3	179.3	83620.	11250.
#3	25.06	285.1	170.9	180.0	82770.	11170.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13170.	1398.	10790.	352.8	467.5	210.5
Stddev	99.	7.	114.	.9	3.3	.7
%RSD	.7499	.5046	1.053	.2456	.6990	.3538

#1	13270.	1402.	10670.	353.6	471.1	209.6
#2	13170.	1403.	10880.	351.9	464.7	211.0
#3	13070.	1390.	10830.	353.0	466.7	210.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111474-C-1-F MS Acquired: 4/14/2016 1:20:25 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1003.	1105.	316.4	744.6	260.5	264.6
Stddev	1.	3.	1.4	5.8	1.1	.8
%RSD	.1140	.2430	.4298	.7853	.4187	.2970
#1	1002.	1105.	317.3	751.0	259.2	263.8
#2	1003.	1102.	314.8	739.6	261.3	264.5
#3	1004.	1108.	317.1	743.1	260.9	265.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	275.0	286.0	591.1	1278.
Stddev	1.4	3.4	2.7	27.
%RSD	.5054	1.184	.4609	2.132
#1	275.3	282.6	589.0	1252.
#2	273.5	289.3	594.2	1307.
#3	276.3	286.1	590.2	1276.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3103.0	38394.	5595.1
Stddev	39.0	616.	119.6
%RSD	1.2554	1.6053	2.1370
#1	3059.3	37710.	5486.4
#2	3133.9	38565.	5575.8
#3	3115.9	38907.	5723.2

Sample Name: pds 460-111474-C-1-D Acquired: 4/14/2016 1:24:09 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9567.	1957.	50.34	2157.	52.96	21930.
Stddev	172.	9.	.57	10.	.72	41.
%RSD	1.798	.4777	1.137	.4696	1.351	.1889
#1	9371.	1966.	50.93	2158.	52.13	21890.
#2	9642.	1959.	50.31	2166.	53.38	21970.
#3	9690.	1947.	49.78	2146.	53.36	21940.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.35	537.2	243.3	275.3	49600.	19810.
Stddev	.23	2.8	2.8	2.4	139.	267.
%RSD	.4508	.5258	1.170	.8612	.2804	1.345
#1	50.52	537.6	242.8	274.6	49460.	19510.
#2	50.45	539.8	246.3	278.0	49740.	19920.
#3	50.09	534.2	240.7	273.5	49580.	20000.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22800.	1334.	20730.	552.4	773.1	483.7
Stddev	43.	4.	348.	2.9	5.2	4.4
%RSD	.1882	.2727	1.678	.5211	.6779	.9128
#1	22770.	1330.	20330.	552.7	771.3	485.0
#2	22850.	1338.	20880.	555.2	779.0	487.3
#3	22780.	1334.	20970.	549.4	769.0	478.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-111474-C-1-D Acquired: 4/14/2016 1:24:09 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1972.	2185.	565.9	750.3	516.0	513.9
Stddev	21.	17.	4.8	7.3	4.1	5.1
%RSD	1.084	.7693	.8436	.9795	.7965	.9945
#1	1983.	2199.	563.1	752.3	518.9	515.3
#2	1985.	2189.	571.5	756.4	517.8	518.2
#3	1947.	2166.	563.2	742.1	511.3	508.2

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	531.7	554.8	818.4	713.6
Stddev	5.3	7.0	1.9	21.8
%RSD	1.003	1.255	.2307	3.047
#1	532.1	546.8	816.7	698.6
#2	536.8	558.0	820.4	738.6
#3	526.2	559.5	818.0	703.7

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	3054.2	38064.	5580.5
Stddev	11.0	262.	38.9
%RSD	.35950	.68840	.69795
#1	3048.7	37766.	5573.8
#2	3047.0	38167.	5622.4
#3	3066.8	38259.	5545.3

Sample Name: CCB Acquired: 4/14/2016 1:31:37 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.418	-1.919	.5776	.4254	.0853	13.74
Stddev	11.85	1.477	.2507	.0447	.0157	10.60
%RSD	346.7	76.94	43.41	10.50	18.45	77.15
#1	9.988	-3.250	.2883	.4563	.1015	25.94
#2	-7.749	-2.178	.7324	.4458	.0844	8.552
#3	-12.49	-.3304	.7122	.3742	.0700	6.737

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0787	.1193	-.0437	1.312	-.0787	1.445
Stddev	.1362	.2050	.1888	.520	5.423	22.63
%RSD	173.1	171.8	431.9	39.62	6891.	1566.
#1	.1839	.3021	.0858	1.896	5.471	-17.06
#2	.1273	-.1022	.0435	1.141	-5.365	26.67
#3	-.0752	.1581	-.2604	.8989	-.3415	-5.273

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.429	.3657	28.91	-.1687	-1.178	1.111
Stddev	10.16	.3292	13.27	.1142	2.558	.585
%RSD	120.6	90.03	45.88	67.67	217.1	52.63
#1	20.10	.7388	41.37	-.0369	-1.551	1.783
#2	1.519	.2421	30.41	-.2337	-3.530	.8358
#3	3.668	.1162	14.97	-.2355	1.545	.7151

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/14/2016 1:31:37 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6755	-.2330	.2200	.0087	.2882	.3789
Stddev	2.958	1.173	.2638	.2921	.4434	.5206
%RSD	437.9	503.5	119.9	3347.	153.9	137.4
#1	2.145	1.120	.3328	.1209	.7637	.7443
#2	-2.730	-.9724	-.0815	-.3228	-.1141	.6097
#3	2.612	-.8466	.4087	.2281	.2151	-.2171

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0955	.1073	.8848	9.615
Stddev	.3128	.2161	.7286	20.78
%RSD	327.7	201.3	82.35	216.1
#1	-.3839	.3550	1.725	29.54
#2	-.1395	.0090	.5039	11.22
#3	.2371	-.0421	.4256	-11.92

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	3156.4	39166.	5652.4
Stddev	20.7	497.	110.0
%RSD	.65621	1.2701	1.9457
#1	3179.8	39717.	5769.2
#2	3140.5	38751.	5637.4
#3	3148.9	39030.	5550.7

Sample Name: 460-110491-A-28-A@10 Acquired: 4/14/2016 1:51:00 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14910.	45.49	.2801	108.8	.9331	2435.
Stddev	39.	.55	.4594	.2	.0697	12.
%RSD	.2596	1.214	164.0	.1866	7.466	.4751
#1	14870.	46.04	.4651	108.6	.8804	2439.
#2	14940.	45.48	.6182	108.9	.9069	2422.
#3	14910.	44.94	-.2429	109.0	1.012	2445.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.833	4.843	53.74	25.18	105800.	3518.
Stddev	.076	.152	.14	.26	168.	50.
%RSD	4.130	3.143	.2631	1.036	.1587	1.423
#1	-1.796	4.735	53.66	24.91	105600.	3478.
#2	-1.783	4.777	53.66	25.18	105700.	3574.
#3	-1.920	5.017	53.91	25.43	105900.	3501.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4111.	152.2	71.26	15.48	44.34	.2990
Stddev	37.	1.1	8.02	.59	2.20	.5780
%RSD	.8958	.7117	11.26	3.793	4.961	193.3
#1	4125.	152.5	67.28	14.83	44.02	.7594
#2	4069.	151.0	66.00	15.98	46.68	.4872
#3	4139.	153.1	80.50	15.61	42.31	-.3497

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-110491-A-28-A@10 Acquired: 4/14/2016 1:51:00 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.076	-1.046	109.4	75.06	5.115	.6523
Stddev	2.927	.524	.8	.42	.663	.2079
%RSD	36.24	50.14	.6916	.5553	12.96	31.86
#1	8.880	-.8059	109.8	74.60	5.880	.4305
#2	4.831	-1.647	108.5	75.18	4.753	.6837
#3	10.52	-.6841	109.9	75.40	4.713	.8426

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8351	27.33	186.1	864.7
Stddev	.8113	.34	2.2	14.5
%RSD	97.15	1.227	1.201	1.682
#1	1.533	27.12	186.2	857.9
#2	-.0549	27.72	183.8	854.8
#3	1.027	27.17	188.2	881.4

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	3201.1	39981.	5887.8
Stddev	4.2	94.	31.0
%RSD	.13274	.23505	.52727
#1	3202.8	39921.	5918.0
#2	3196.3	39933.	5856.0
#3	3204.4	40089.	5889.3

Sample Name: 460-111851-E-2-A@4 Acquired: 4/14/2016 2:02:32 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29350.	18.00	.9295	163.0	1.812	7735.
Stddev	61.	.96	.7286	.5	.018	104.
%RSD	.2073	5.354	78.39	.3029	1.019	1.349

#1	29320.	16.91	1.066	162.5	1.803	7833.
#2	29300.	18.36	1.580	163.2	1.800	7745.
#3	29420.	18.74	.1421	163.4	1.833	7625.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.253	30.43	119.9	627.5	114500.	3157.
Stddev	.325	.21	.8	3.9	1135.	16.
%RSD	25.92	.6824	.6469	.6250	.9907	.5051

#1	-1.485	30.33	120.1	630.8	115700.	3168.
#2	-1.393	30.30	120.5	623.1	114400.	3164.
#3	-.8819	30.67	119.0	628.4	113500.	3138.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7298.	1230.	2154.	100.5	155.5	1.135
Stddev	91.	11.	11.	.9	.2	1.064
%RSD	1.244	.8626	.4882	.8545	.1362	93.76

#1	7359.	1241.	2166.	99.73	155.4	.0418
#2	7343.	1228.	2146.	100.4	155.5	1.196
#3	7194.	1220.	2149.	101.4	155.8	2.168

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111851-E-2-A@4 Acquired: 4/14/2016 2:02:32 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.336	-1.542	92.56	339.2	-1.748	4.904
Stddev	1.982	1.426	.77	.9	.339	.037
%RSD	45.72	92.48	.8321	.2673	19.36	.7623
#1	2.443	-2.322	92.96	338.9	-1.685	4.873
#2	4.167	-2.410	93.05	338.4	-2.114	4.946
#3	6.397	.1039	91.67	340.2	-1.446	4.895

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	18.62	40.61	1389.	725.3
Stddev	.95	.12	8.	11.9
%RSD	5.114	.3022	.5624	1.642
#1	19.71	40.52	1398.	712.2
#2	18.15	40.56	1386.	728.2
#3	17.99	40.75	1383.	735.5

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	3208.0	39906.	5757.1
Stddev	23.0	806.	73.6
%RSD	.71725	2.0185	1.2787
#1	3192.8	39223.	5732.4
#2	3196.7	39700.	5699.0
#3	3234.5	40794.	5839.9

Sample Name: 460-111893-C-1-A@4 Acquired: 4/14/2016 2:10:10 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22640.	1.106	.3246	84.98	.5752	3334.
Stddev	129.	1.798	.4708	.98	.1292	34.
%RSD	.5677	162.6	145.1	1.153	22.46	1.025

#1	22500.	3.025	.7187	83.90	.7009	3301.
#2	22700.	.8306	-.1968	85.23	.5819	3333.
#3	22740.	-.5388	.4518	85.82	.4428	3369.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2971	4.615	24.59	11.49	15250.	889.2
Stddev	.0379	.181	.41	.20	117.	15.3
%RSD	12.76	3.924	1.683	1.760	.7636	1.722

#1	-.2681	4.542	24.50	11.36	15170.	887.8
#2	-.2832	4.482	24.24	11.39	15200.	905.1
#3	-.3400	4.822	25.05	11.72	15390.	874.6

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	2204.	147.3	64.43	13.11	71.48	.8825
Stddev	16.	1.0	7.36	.42	1.71	.4816
%RSD	.7052	.7077	11.42	3.185	2.393	54.57

#1	2191.	146.5	65.94	13.47	71.00	1.426
#2	2199.	146.9	56.44	13.21	70.07	.7135
#3	2221.	148.5	70.92	12.65	73.38	.5082

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-111893-C-1-A@4 Acquired: 4/14/2016 2:10:10 Type: Unk
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8235	-.6009	36.35	43.45	2.228	.0433
Stddev	2.265	1.277	.71	.55	.452	.3125
%RSD	275.1	212.6	1.941	1.270	20.30	721.8
#1	-1.531	-2.026	35.85	42.86	2.415	.3147
#2	1.015	.4408	36.04	43.54	1.712	-.2984
#3	2.987	-.2173	37.16	43.95	2.556	.1136

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	14.51	15.25	320.6	726.6
Stddev	.16	.06	1.6	6.0
%RSD	1.112	.4067	.4986	.8278
#1	14.38	15.26	319.0	720.4
#2	14.46	15.18	320.5	726.8
#3	14.69	15.30	322.2	732.5

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	3213.6	40122.	5867.7
Stddev	10.3	233.	19.9
%RSD	.32204	.58015	.33888
#1	3223.4	40314.	5873.1
#2	3214.7	40189.	5884.3
#3	3202.8	39863.	5845.6

Sample Name: CCB Acquired: 4/14/2016 2:17:37 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.980	-2.105	.4063	.4857	-.0132	-5.616
Stddev	8.336	.617	.3577	.0509	.0442	2.114
%RSD	119.4	29.31	88.02	10.48	336.2	37.64

#1	-16.09	-1.584	.0925	.4336	-.0635	-4.206
#2	-5.132	-2.787	.3308	.5352	.0048	-4.595
#3	.2770	-1.944	.7957	.4883	.0193	-8.046

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0420	.1112	-.3143	.2260	5.040	27.50
Stddev	.0622	.1679	.1257	.1362	3.044	25.09
%RSD	148.2	151.0	39.99	60.27	60.40	91.23

#1	-.0059	-.0799	-.2679	.2343	5.008	4.967
#2	-.0062	.2350	-.4566	.0858	2.012	23.00
#3	-.1137	.1784	-.2184	.3577	8.099	54.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.712	.1855	18.63	.0475	-.1273	.0237
Stddev	4.663	.0789	6.76	.0751	2.551	.5587
%RSD	81.63	42.53	36.32	158.0	2003.	2353.

#1	6.286	.2695	25.70	.0893	2.749	-.0978
#2	10.06	.1739	12.22	-.0391	-1.017	.6333
#3	.7891	.1130	17.95	.0924	-2.115	-.4642

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/14/2016 2:17:37 Type: QC
Method: sw04052016(v7) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.912	-.3651	.2303	-.0319	-.2310	.7509
Stddev	2.454	1.205	.3670	.0693	.2763	.4182
%RSD	128.4	330.0	159.4	217.5	119.6	55.70
#1	.4757	1.023	-.1267	-.0438	.0512	1.189
#2	-4.428	-1.142	.6066	-.0945	-.2430	.7086
#3	-1.783	-.9758	.2111	.0426	-.5011	.3554

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2018	.2022	.6323	5.141
Stddev	.9090	.0774	.2392	15.31
%RSD	450.3	38.27	37.83	297.8
#1	-.1404	.2425	.9064	22.76
#2	1.232	.2510	.4658	-2.407
#3	-.4863	.1130	.5246	-4.932

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	3186.6	39392.	5681.3
Stddev	12.8	151.	110.9
%RSD	.40187	.38319	1.9516
#1	3178.2	39254.	5599.3
#2	3180.2	39368.	5637.1
#3	3201.3	39553.	5807.4

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Batch Number: 362066 Batch Start Date: 04/12/16 07:42 Batch Analyst: Chen, MandiBatch Method: 3050B Batch End Date: 04/12/16 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_LCS-int 00055	ME_LCSS_91 00001	
MB 460-362066/1		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-362066/2		3050B, 6010C		CALC NOT SET TO RUN	1.04 g	50 mL		1.04 g	
460-111474-C-4 DU		3050B, 6010C	T	CALC NOT SET TO RUN	1.09 g	50 mL			
460-111474-C-4 MS		3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	50 mL	2 mL		
460-111954-D-1	DRY_WELL	3050B, 6010C	T	CALC NOT SET TO RUN	1.14 g	50 mL			

Batch Notes	
Balance ID	#35
Hydrogen Peroxide ID	0000135237
Logbook ID for diluted Nitric	MPR278
Lot # of Nitric Acid	0000129810
Hot Block ID	#1
Oven, Bath or Block Temperature 1	95c Degrees C
Pipette ID	#63
Thermometer ID	ICP-4 (CF -1)
Digestion Tube/Cup ID	J227204-6407 (50 ml Dg tube)
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: 460-111954-1

SDG No.: _____

Project: DEC Elmont546; Site: E130150

Client Sample ID
DRY_WELL

Lab Sample ID
460-111954-1

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-111954-1
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: 460-111954-1
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.: 460-111954-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/11/2016 18:39 End Date: 04/11/2016 18:39

[illegible]

Prep Types

$$T = \text{Total}/NA$$

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-111954-1

SDG No.: _____

Batch Number: 361961 Batch Start Date: 04/11/16 18:39 Batch Analyst: Hodge, Joshua DBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-111954-D-1	DRY_WELL	Moisture	T	86	1.03 g	7.95 g	7.31 g		
460-111734-D-2 DU		Moisture	T	106	1.01 g	6.85 g	5.90 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	4/11/16
Oven Temp In	108 Degrees C
Time samples were place in the oven	18:53
Date samples were removed from oven	4/12/16
Oven Temp Out	107 Degrees C
Time Samples were removed from oven	08:27
Oven ID	2
Thermometer ID	116941
Uncorrected In Temperature	108 Celsius
Uncorrected Out Temperature	107 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

Page 1 of 1

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Water Metals Filtered (Yes/No)?

TAL - 0016 (0715)

11954

Page 7 of 7

IR: Gun #

	DOV	CORRECTED	SAV	CORRECTED	SAV	CORRECTED	
Cooler #1	22.0 °C	8.0 °C	Cooler #4	1.0 °C	1.0 °C	Cooler #7	1.0 °C
Cooler #2	1.0 °C	1.0 °C	Cooler #5	1.0 °C	1.0 °C	Cooler #8	1.0 °C
Cooler #3	1.0 °C	1.0 °C	Cooler #6	1.0 °C	1.0 °C	Cooler #9	1.0 °C

If pH adjustments are required record the information below:

Preservative Name/Conc.:

Lot # of Preservative(s):

Expiration Date:

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Initials:

Date:

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-111954-1

Login Number: 111954

List Source: TestAmerica Edison

List Number: 1

Creator: Lysy, Susan

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.8°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.	False	See NCM
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.